Songbird Differential Expression Analysis

Differential expression analysis on Hilliard et al., 2012, Neuron, microarray data from songbird Area X

See here for the actual Hilliard et al., 2012, Neuron paper: https://www.sciencedirect.com/science/article/pii/S0896627312000463

Uses preprocessed data from Hilliard et al.,'s preprocessing pipeline: https://www.ibp.ucla.edu/research/white/micorarray preprocessing.R

```
library(easypackages)
libraries("limma", "here")
options(stringsAsFactors = FALSE)

# load in the preprocessed data
load(here("data", "tidy", "exprData_songbird.Rdata"))
```

Run differential expression analysis

```
fdr_thresh = 0.05
# construct model
full_model = model.matrix(~as.factor(SingerGrp), data=labelData)
# make contrast matrix
contrast.matrix = "C1"=c(0,1)
# fit DE limma model
fit = lmFit(exprData,full_model)
# fit contrasts
fitContrasts = contrasts.fit(fit,contrast.matrix)
# use empirical bayes
eb = eBayes(fitContrasts)
# tabulate results
DEresults = topTable(eb,
                     number = dim(geneInfo)[1],
                     adjust.method = "fdr")
geneInfo2 = geneInfo[rownames(DEresults),]
# bind gene information to the results
DEresults = cbind(geneInfo2,DEresults)
# show FDR q<0.05 genes
DEres_subset = DEresults[DEresults$adj.P.Val<=fdr_thresh,]</pre>
cols2display = c("gene_symbols","t","P.Value","adj.P.Val")
# DEres_subset[,cols2display]
knitr::kable(DEres_subset[,cols2display], digits = 4)
```

2762789 FAMSA1 -10.1482 0.0000 0.0000 2782731 FAMSA1 -10.0031 0.0000 0.0000 2760214 PRKRIP1 -9.0904 0.0000 0.0000 278549 CYB5A -9.0838 0.0000 0.0000 2778767 SEC11C -8.3863 0.0000 0.0000 2778745 -8.2966 0.0000 0.0000 2785048 -8.1257 0.0000 0.0000 2766135 PTPR -8.0767 0.0000 0.0001 2790887 DGCR6 -7.9775 0.0000 0.0001 2759469 PSMF1 -7.9515 0.0000 0.0001 2785462 ACTG1 7.8145 0.0000 0.0001 2785462 ACTG1 7.8145 0.000 0.0001 2785472 YPEL5 -7.7711 0.0000 0.0001 2781472 YPEL5 -7.7711 0.0000 0.0001 2781472 YPEL5 -7.6511 0.0000 0.0001 <th></th> <th>gene_symbols</th> <th>t</th> <th>P.Value</th> <th>adj.P.Val</th>		gene_symbols	t	P.Value	adj.P.Val
2760214 PRKRIP1 -9.0904 0.0000 0.0000 2789549 CYB5A -9.0838 0.0000 0.0000 2778767 SEC11C -8.3863 0.0000 0.0000 2778745 -8.2966 0.0000 0.0000 2785048 -8.1257 0.0000 0.0000 2766135 PTPRR -8.0767 0.0000 0.0001 2790887 DGCR6 -7.9775 0.0000 0.0001 2760249 PSMF1 -7.9515 0.0000 0.0001 2760249 PSM8A1 -7.9215 0.0000 0.0001 2785462 ACTG1 7.8145 0.0000 0.0001 2781475 YPEL5 -7.7717 0.0000 0.0001 2781472 STK25 -7.6830 0.0000 0.0001 2781472 STK25 -7.6830 0.0000 0.0001 2779308 YPEL5 -7.6711 0.0000 0.0001 2779419 DLG1 7.5423 0.0000 0.0001	2762789	FAM8A1	-10.1482	0.0000	0.0000
2789549 CYB5A -9.0838 0.0000 0.0000 27764091 8-3.863 0.0000 0.0000 2764091 8.3246 0.0000 0.0000 2778745 -8.2966 0.0000 0.0000 2785048 -8.1257 0.0000 0.0000 2766135 PTPR -8.0767 0.0000 0.0001 2759469 PSMF1 -7.9515 0.0000 0.0001 2760249 FAM8A1 -7.9225 0.0000 0.0001 2785462 ACTG1 7.8145 0.0000 0.0001 2785462 ACTG1 7.8145 0.0000 0.0001 2785462 ACTG1 7.8145 0.000 0.0001 2783415 C8ORF76 -7.7777 0.000 0.0001 278195 YPEL5 -7.6511 0.000 0.0001 278195 YPEL5 -7.6511 0.000 0.0001 2774191 DLG1 7.5423 0.000 0.0001 2795786	2782731	FAM8A1	-10.0031	0.0000	0.0000
2778767 SEC11C -8.3863 0.0000 0.0000 2764091 -8.3246 0.0000 0.0000 2778745 -8.2966 0.0000 0.0000 2785048 -8.1257 0.0000 0.0000 2766135 PTPRR -8.0767 0.0000 0.0001 2799887 DGCR6 -7.9775 0.0000 0.0001 2760249 FAM8A1 -7.9225 0.0000 0.0001 2785462 ACTG1 7.8145 0.0000 0.0001 2787195 YPEL5 -7.7777 0.0000 0.0001 2787195 YPEL5 -7.7771 0.0000 0.0001 2781472 STK25 -7.6830 0.0000 0.0001 2770308 YPEL5 -7.6511 0.0000 0.0001 277308 YPEL5 -7.6511 0.0000 0.0001 2779499 DLG1 7.5423 0.0000 0.0001 277856 VPS8 -7.3849 0.0000 0.0001	2760214	PRKRIP1	-9.0904	0.0000	0.0000
2764091 -8.3246 0.0000 0.0000 2778745 -8.2966 0.0000 0.0000 2785048 -8.1257 0.0000 0.0000 2766135 PTPRR -8.0767 0.0000 0.0001 2790887 DGCR6 -7.9775 0.0000 0.0001 2760249 PSMF1 -7.9515 0.0000 0.0001 2760249 PSMSA1 -7.9225 0.0000 0.0001 2785462 ACTG1 7.8145 0.0000 0.0001 2783415 C80RF76 -7.7777 0.0000 0.0001 2781472 STK25 -7.6830 0.0000 0.0001 2781472 STK25 -7.6671 0.0000 0.0001 2781472 STK25 -7.6671 0.0000 0.0001 2781472 STK25 -7.66511 0.0000 0.0001 2781919 DLG1 7.5423 0.000 0.0001 2795756 VPS8 -7.3849 0.000 0.0001	2789549	CYB5A	-9.0838	0.0000	0.0000
2778745 -8.2966 0.0000 0.0000 2785048 -8.1257 0.0000 0.0000 2766135 PTPRR -8.0767 0.0000 0.0000 2790887 DGCR6 -7.9775 0.0000 0.0001 2759469 PSMF1 -7.9515 0.0000 0.0001 2760249 FAM8A1 -7.9225 0.0000 0.0001 2785462 ACTG1 7.8145 0.0000 0.0001 2783415 C80RF76 -7.7777 0.000 0.0001 2787195 YPEL5 -7.6810 0.000 0.0001 2781472 STK25 -7.6830 0.000 0.0001 2781472 STK25 -7.6810 0.000 0.0001 2781007 -7.5679 0.0000 0.0001 278107 DLG1 7.5423 0.0000 0.0001 278199 DLG1 7.5423 0.0000 0.0001 2789765 VPS8 -7.3849 0.000 0.0001 27	2778767	SEC11C	-8.3863	0.0000	0.0000
2785048 -8.1257 0.0000 0.0000 2766135 PTPRR -8.0767 0.0000 0.0000 2799887 DGCR6 -7.9775 0.0000 0.0001 2759469 PSMF1 -7.9515 0.0000 0.0001 2760249 FAM8A1 -7.9225 0.0000 0.0001 2785462 ACTG1 7.8145 0.0000 0.0001 2787195 YPEL5 -7.77711 0.0000 0.0001 2781472 STK25 -7.6830 0.0000 0.0001 2781472 STK25 -7.6511 0.0000 0.0001 2774191 DLG1 7.5423 0.0000 0.0001 2774191 DLG1 7.3249 0.0000	2764091		-8.3246	0.0000	0.0000
2766135 PTPRR -8.0767 0.0000 0.0000 2790887 DGCR6 -7.9775 0.0000 0.0001 2759469 PSMF1 -7.9515 0.0000 0.0001 2760249 FAM8A1 -7.9225 0.0000 0.0001 2785462 ACTG1 7.8145 0.0000 0.0001 2787195 YPEL5 -7.7771 0.0000 0.0001 2781472 STK25 -7.6830 0.0000 0.0001 2781472 STK25 -7.6511 0.0000 0.0001 2781472 STK25 -7.6511 0.0000 0.0001 2781472 STK25 -7.6511 0.0000 0.0001 2781499 DLG1 -7.5423 0.0000 0.0001 2795786 PEX6 -7.4741 0.0000 0.0001 2788991 ACTG1 7.3298 0.0000 0.0001 2785785 ACTB 7.3183 0.0000 0.0001 276130 SRF 7.2598 <td< td=""><td>2778745</td><td></td><td>-8.2966</td><td>0.0000</td><td>0.0000</td></td<>	2778745		-8.2966	0.0000	0.0000
2790887 DGCR6 -7.9775 0.0000 0.0001 2759469 PSMF1 -7.9515 0.0000 0.0001 2760249 FAM8A1 -7.9225 0.0000 0.0001 2785462 ACTG1 7.8145 0.0000 0.0001 2793415 C8ORF76 -7.7771 0.0000 0.0001 2781195 YPEL5 -7.6830 0.0000 0.0001 2770308 YPEL5 -7.6830 0.0000 0.0001 27761007 -7.5679 0.0000 0.0001 2761007 -7.5679 0.0000 0.0001 2795786 PEX6 -7.4741 0.0000 0.0001 2785976 VPS8 -7.3849 0.0000 0.0001 2785980 ACTG1 7.3298 0.0000 0.0001 27858703 ACTB 7.3183 0.0000 0.0001 276103 SRF 7.2598 0.0000 0.0001 276187 C2ORF44 -7.2686 0.0000 0.0001	2785048		-8.1257	0.0000	0.0000
2759469 PSMF1 -7.9515 0.0000 0.0001 2760249 FAM8A1 -7.9225 0.0000 0.0001 2785462 ACTG1 7.8145 0.0000 0.0001 2783415 C8ORF76 -7.77777 0.0000 0.0001 2787195 YPEL5 -7.6830 0.0000 0.0001 2770308 YPEL5 -7.6511 0.0000 0.0001 2776007 -7.5679 0.0000 0.0001 27774919 DLG1 7.5423 0.0000 0.0001 2795786 PEX6 -7.4741 0.0000 0.0001 2795786 VPS8 -7.3849 0.0000 0.0001 2788793 ACTB 7.3183 0.0000 0.0001 27858703 ACTB 7.3183 0.0000 0.0001 2761137 C2ORF44 -7.2686 0.0000 0.0001 2761030 SRF 7.2598 0.0000 0.0001 2778600 MBNL2 7.22401 0.0000	2766135	PTPRR	-8.0767	0.0000	0.0000
2760249 FAM8A1 -7.9225 0.0000 0.0001 2785462 ACTG1 7.8145 0.0000 0.0001 2783145 CSORF76 -7.77771 0.0000 0.0001 2781472 STR25 -7.6830 0.0000 0.0001 2770308 YPEL5 -7.6511 0.0000 0.0001 2761007 -7.5679 0.0000 0.0001 2774919 DLG1 7.5423 0.0000 0.0001 2797576 PEX6 -7.4741 0.0000 0.0001 2798786 PEX6 -7.4741 0.0000 0.0001 2798787 PEX6 -7.4741 0.0000 0.0001 2788793 ACTG1 7.3298 0.0000 0.0001 27617187 C2ORF44 -7.2686 0.0000 0.0001 2761930 SRF 7.2598 0.0000 0.0001 2784979 MBNL2 7.2318 0.0000 0.0001 2798400 MBNL2 7.2224 0.0000	2790887	DGCR6	-7.9775	0.0000	0.0001
2785462 ACTG1 7.8145 0.0000 0.0001 2783415 C8ORF76 -7.7777 0.0000 0.0001 2781195 YPEL5 -7.7771 0.0000 0.0001 2781472 STK25 -7.6830 0.0000 0.0001 2761007 -7.5679 0.0000 0.0001 2761007 -7.5679 0.0000 0.0001 279419 DLG1 7.5423 0.0000 0.0001 2795765 PEX6 -7.4741 0.0000 0.0001 2788991 ACTG1 7.3298 0.0000 0.0001 2788973 ACTB 7.3183 0.0000 0.0001 2761187 C2ORF44 -7.2686 0.0000 0.0001 276187 C2ORF44 -7.2598 0.0000 0.0001 2778600 MBNL2 7.2318 0.0000 0.0001 2784279 MBNL2 7.22401 0.0000 0.0001 2789733 ACTB 7.1915 0.0000 0.0001 </td <td>2759469</td> <td>PSMF1</td> <td>-7.9515</td> <td>0.0000</td> <td>0.0001</td>	2759469	PSMF1	-7.9515	0.0000	0.0001
2793415 C8ORF76 -7.7777 0.0000 0.0001 2781195 YPEL5 -7.7711 0.0000 0.0001 2781472 STK25 -7.6830 0.0000 0.0001 2770308 YPEL5 -7.6511 0.0000 0.0001 2761007 -7.5679 0.0000 0.0001 2774919 DLG1 7.5423 0.0000 0.0001 2795786 PEX6 -7.4741 0.0000 0.0001 2788991 ACTG1 7.3298 0.0000 0.0001 2758703 ACTB 7.3183 0.0000 0.0001 2761030 SRF 7.2598 0.0000 0.0001 2761030 SRF 7.2598 0.0000 0.0001 278497 -7.2401 0.0000 0.0001 2794279 MBNL2 7.2318 0.0000 0.0001 2794279 MBNL2 7.2224 0.0000 0.0001 2789773 ACTB 7.1915 0.0000 0.0001 <	2760249	FAM8A1	-7.9225	0.0000	0.0001
2787195 YPEL5 -7.7711 0.0000 0.0001 2781472 STK25 -7.6830 0.0000 0.0001 2770308 YPEL5 -7.6511 0.0000 0.0001 2761007 -7.5679 0.0000 0.0001 2774919 DLG1 -7.5423 0.0000 0.0001 2795786 PEX6 -7.4741 0.0000 0.0001 2796765 VPS8 -7.3849 0.0000 0.0001 2788793 ACTG1 7.3298 0.0000 0.0001 27617187 C2ORF44 -7.2686 0.0000 0.0001 2761030 SRF 7.2598 0.0000 0.0001 2788497 -7.2401 0.0000 0.0001 2798497 MBNL2 7.2318 0.0000 0.0001 2778600 MBNL2 7.2224 0.0000 0.0001 27894279 MBNL2 7.2924 0.0000 0.0001 2789473 ACTB 7.1915 0.0000 0.0001 <td>2785462</td> <td>ACTG1</td> <td>7.8145</td> <td>0.0000</td> <td>0.0001</td>	2785462	ACTG1	7.8145	0.0000	0.0001
2781472 STK25 -7.6830 0.0000 0.0001 2770308 YPEL5 -7.6511 0.0000 0.0001 2761007 -7.5679 0.0000 0.0001 2774919 DLG1 7.5423 0.0000 0.0001 2795786 PEX6 -7.4741 0.0000 0.0001 2798791 ACTG1 7.3298 0.0000 0.0001 2788703 ACTB 7.3183 0.0000 0.0001 2761030 SRF 7.2598 0.0000 0.0001 2798497 -7.2401 0.0000 0.0001 2798497 -7.2401 0.0000 0.0001 2794279 MBNL2 7.2318 0.0000 0.0001 2794279 MBNL2 7.2224 0.0000 0.0001 2789773 ACTB 7.1990 0.0000 0.0001 2789475 ACTB 7.1915 0.0000 0.0001 2795471 ACTB 7.1072 0.0000 0.0001 2795773 </td <td>2793415</td> <td>C8ORF76</td> <td>-7.7777</td> <td>0.0000</td> <td>0.0001</td>	2793415	C8ORF76	-7.7777	0.0000	0.0001
2770308 YPEL5 -7.6511 0.0000 0.0001 2761007 -7.5679 0.0000 0.0001 2774919 DLG1 7.5423 0.0000 0.0001 2795786 PEX6 -7.4741 0.0000 0.0001 278797656 VPS8 -7.3298 0.0000 0.0001 2788991 ACTG1 -7.3298 0.0000 0.0001 2758703 ACTB -7.3183 0.0000 0.0001 2761030 SRF -7.2598 0.0000 0.0001 278600 MBNL2 -7.2401 0.0000 0.0001 2794279 MBNL2 -7.2244 0.0000 0.0001 2794279 MBNL2 -7.2224 0.0000 0.0001 2789773 ACTB -7.1990 0.0000 0.0001 2789773 ACTB -7.1915 0.0000 0.0001 2780773 ACTB -7.1072 0.0000 0.0001 2795354 CC22ORF36 -7.1072 0.0000	2787195	YPEL5	-7.7711	0.0000	0.0001
2761007 -7.5679 0.0000 0.0001 2774919 DLG1 7.5423 0.0000 0.0001 2795786 PEX6 -7.4741 0.0000 0.0001 2788991 ACTG1 7.3298 0.0000 0.0001 2758703 ACTB 7.3183 0.0000 0.0001 2767187 C2ORF44 -7.2686 0.0000 0.0001 2761030 SRF 7.2598 0.0000 0.0001 2798497 -7.2401 0.0000 0.0001 2794279 MBNL2 7.2318 0.0000 0.0001 2794279 MBNL2 7.2224 0.0000 0.0001 2784979 MCTB 7.1990 0.0000 0.0001 2781535 WIPH -7.1990 0.0000 0.0001 278247 ACTB 7.1915 0.0000 0.0001 2781541 C22ORF36 -7.1072 0.0000 0.0001 2762047 ACTB 7.0978 0.0000 0.0001	2781472	STK25	-7.6830	0.0000	0.0001
2774919 DLG1 7.5423 0.0000 0.0001 2795786 PEX6 -7.4741 0.0000 0.0001 2797656 VPS8 -7.3849 0.0000 0.0001 2758703 ACTB 7.3183 0.0000 0.0001 2767187 C2ORF44 -7.2686 0.0000 0.0001 2761030 SRF 7.2598 0.0000 0.0001 2798497 -7.2401 0.0000 0.0001 2798409 MBNL2 7.2318 0.0000 0.0001 2794279 MBNL2 7.2244 0.0000 0.0001 2794279 MBNL2 7.2940 0.0000 0.0001 2794279 MBNL2 7.2224 0.0000 0.0001 2794279 MBNL2 7.1990 0.0000 0.0001 2795373 ACTB 7.1915 0.0000 0.0001 2789673 ACTB 7.1915 0.0000 0.0001 2791541 C22ORF36 -7.072 0.0000 0.0	2770308	YPEL5	-7.6511	0.0000	0.0001
2795786 PEX6 -7.4741 0.0000 0.0001 2797656 VPS8 -7.3849 0.0000 0.0001 2788991 ACTG1 7.3298 0.0000 0.0001 2758703 ACTB 7.3183 0.0000 0.0001 2761030 SRF 7.2598 0.0000 0.0001 2798497 -7.2401 0.0000 0.0001 2798497 -7.2401 0.0000 0.0001 2798497 MBNL2 7.2318 0.0000 0.0001 2794279 MBNL2 7.2224 0.0000 0.0001 2794279 MBNL2 7.2224 0.0000 0.0001 2789773 ACTB 7.1990 0.0000 0.0001 2789773 ACTB 7.1082 0.0000 0.0001 2791541 C22ORF36 -7.1072 0.0000 0.0001 2775202 C22ORF36 -7.0978 0.0000 0.0001 2796075 SS18L1 -7.0815 0.0000 0.0001 <td>2761007</td> <td></td> <td>-7.5679</td> <td>0.0000</td> <td>0.0001</td>	2761007		-7.5679	0.0000	0.0001
2797656 VPS8 -7.3849 0.0000 0.0001 2788991 ACTG1 7.3298 0.0000 0.0001 2758703 ACTB 7.3183 0.0000 0.0001 2767187 C2ORF44 -7.2686 0.0000 0.0001 2798497 -7.2401 0.0000 0.0001 2778600 MBNL2 7.2318 0.0000 0.0001 2794279 MBNL2 7.2224 0.0000 0.0001 2794279 MBNL2 7.2224 0.0000 0.0001 2794279 MBNL2 7.2224 0.0000 0.0001 2794279 MBNL2 7.2924 0.0000 0.0001 2787535 WIPI -7.1990 0.0000 0.0001 2789773 ACTB 7.1915 0.0000 0.0001 2791741 C22ORF36 -7.1072 0.0000 0.0001 2792502 C22ORF36 -7.0978 0.0000 0.0001 2767208 RRAGC -7.0836 0.0000	2774919	DLG1	7.5423	0.0000	0.0001
2788991 ACTG1 7.3298 0.0000 0.0001 2758703 ACTB 7.3183 0.0000 0.0001 2767187 C2ORF44 -7.2686 0.0000 0.0001 2761030 SRF 7.2598 0.0000 0.0001 2798497 -7.2401 0.0000 0.0001 2778600 MBNL2 7.2318 0.0000 0.0001 2794279 MBNL2 7.2224 0.0000 0.0001 2794279 MBNL2 7.2224 0.0000 0.0001 2789773 ACTB 7.1915 0.0000 0.0001 2789773 ACTB 7.1082 0.0000 0.0001 2791541 C22ORF36 -7.1072 0.0000 0.0001 2792502 C22ORF36 -7.0978 0.0000 0.0001 2767208 RRAGC -7.0836 0.0000 0.0001 2795354 SRF 7.0439 0.0000 0.0001 2799655 EPB41L4A -7.0220 0.0000 0.0001 2791730 AMFR -7.051 0.0000 0.00	2795786	PEX6	-7.4741	0.0000	0.0001
2758703 ACTB 7.3183 0.0000 0.0001 2767187 C2ORF44 -7.2686 0.0000 0.0001 2761030 SRF 7.2598 0.0000 0.0001 2798497 -7.2401 0.0000 0.0001 2778600 MBNL2 7.2318 0.0000 0.0001 2794279 MBNL2 7.2224 0.0000 0.0001 2789773 ACTB 7.1915 0.0000 0.0001 2762047 ACTB 7.1082 0.0000 0.0001 2791541 C22ORF36 -7.1072 0.0000 0.0001 2772502 C22ORF36 -7.0978 0.0000 0.0001 2767208 RRAGC -7.0836 0.0000 0.0001 2796075 SS18L1 -7.0815 0.0000 0.0001 2799655 EPB41L4A -7.0220 0.0000 0.0001 2791730 AMFR -7.051 0.0000 0.0001 2787360 TTC7B -6.9900 0.0000 0.0001 2761172 EIF5 -6.9717 0.0000 <td< td=""><td>2797656</td><td>VPS8</td><td>-7.3849</td><td>0.0000</td><td>0.0001</td></td<>	2797656	VPS8	-7.3849	0.0000	0.0001
2767187 C2ORF44 -7.2686 0.0000 0.0001 2761030 SRF 7.2598 0.0000 0.0001 2798497 -7.2401 0.0000 0.0001 2778600 MBNL2 7.2318 0.0000 0.0001 2794279 MBNL2 7.2224 0.0000 0.0001 2789773 ACTB 7.1915 0.0000 0.0001 2762047 ACTB 7.1915 0.0000 0.0001 2791541 C22ORF36 -7.1072 0.0000 0.0001 2772502 C22ORF36 -7.0978 0.0000 0.0001 2767208 RRAGC -7.0836 0.0000 0.0001 2795354 SRF 7.0439 0.0000 0.0001 2799655 EPB41L4A -7.0220 0.0000 0.0001 2791730 AMFR -7.0051 0.0000 0.0001 2787360 TTC7B -6.9900 0.0000 0.0001 2761511 PEX6 -6.9727 0.0000	2788991	ACTG1	7.3298	0.0000	0.0001
2761030 SRF 7.2598 0.0000 0.0001 2798497 -7.2401 0.0000 0.0001 2778600 MBNL2 7.2318 0.0000 0.0001 2794279 MBNL2 7.2224 0.0000 0.0001 2789773 ACTB 7.1915 0.0000 0.0001 2762047 ACTB 7.1082 0.0000 0.0001 2791541 C22ORF36 -7.1072 0.0000 0.0001 2767208 RRAGC -7.0836 0.0000 0.0001 2796075 SS18L1 -7.0815 0.0000 0.0001 2799655 EPB41L4A -7.0220 0.0000 0.0001 27974662 YPEL5 -6.9900 0.0000 0.0001 2774662 YPEL5 -6.9727 0.0000 0.0001 2761172 EIF5 -6.9717 0.0000 0.0001 2761511 PEX6 -6.9727 0.0000 0.0001 2763623 GBAS -6.9605 0.0000 0.0001 2783885 ZFYVE27 -6.9423 0.0000 <td< td=""><td>2758703</td><td>ACTB</td><td>7.3183</td><td>0.0000</td><td>0.0001</td></td<>	2758703	ACTB	7.3183	0.0000	0.0001
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2767187	C2ORF44	-7.2686	0.0000	0.0001
2778600 MBNL2 7.2318 0.0000 0.0001 2794279 MBNL2 7.2224 0.0000 0.0001 2771535 WIPI1 -7.1990 0.0000 0.0001 2789773 ACTB 7.1915 0.0000 0.0001 2762047 ACTB 7.1082 0.0000 0.0001 2791541 C22ORF36 -7.1072 0.0000 0.0001 2767208 RRAGC -7.0836 0.0000 0.0001 2796075 SS18L1 -7.0815 0.0000 0.0001 2799655 EPB41L4A -7.0220 0.0000 0.0001 2791730 AMFR -7.0051 0.0000 0.0001 2774662 YPEL5 -6.9727 0.0000 0.0001 2761172 EIF5 -6.9717 0.0000 0.0001 2766623 GBAS -6.9605 0.0000 0.0001 2768421 ZFR 6.9548 0.0000 0.0001 2758434 PIK3IP1 -6.8525 0.0000 0.0002 2768744 6.8439 0.0000 0	2761030	SRF	7.2598	0.0000	0.0001
2794279 MBNL2 7.2224 0.0000 0.0001 2771535 WIPI1 -7.1990 0.0000 0.0001 2789773 ACTB 7.1915 0.0000 0.0001 2762047 ACTB 7.1082 0.0000 0.0001 2791541 C22ORF36 -7.1072 0.0000 0.0001 2767208 RRAGC -7.0836 0.0000 0.0001 2796075 SS18L1 -7.0815 0.0000 0.0001 2799655 SFF 7.0439 0.0000 0.0001 2799655 EPB41L4A -7.0220 0.0000 0.0001 2787360 TTC7B -6.9900 0.0000 0.0001 2761172 EIF5 -6.9727 0.0000 0.0001 2761172 EIF5 -6.9717 0.0000 0.0001 2766623 GBAS -6.9702 0.0000 0.0001 2768421 ZFR 6.9548 0.0000 0.0001 2758434 PIK3IP1 -6.8525 0.0000 0.0002 2768744 6.8439 0.0000 0.0	2798497		-7.2401	0.0000	0.0001
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2778600	MBNL2	7.2318	0.0000	0.0001
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2794279	MBNL2	7.2224	0.0000	0.0001
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2771535	WIPI1	-7.1990	0.0000	0.0001
2791541 C22ORF36 -7.1072 0.0000 0.0001 2772502 C22ORF36 -7.0978 0.0000 0.0001 2767208 RRAGC -7.0836 0.0000 0.0001 2796075 SS18L1 -7.0815 0.0000 0.0001 2799655 EPB41L4A -7.0220 0.0000 0.0001 2791730 AMFR -7.0051 0.0000 0.0001 2787360 TTC7B -6.9900 0.0000 0.0001 2761172 EIF5 -6.9727 0.0000 0.0001 2761511 PEX6 -6.9702 0.0000 0.0001 2766623 GBAS -6.9605 0.0000 0.0001 2768421 ZFR 6.9548 0.0000 0.0001 2768421 ZFR 6.9423 0.0000 0.0001 2758434 PIK3IP1 -6.8525 0.0000 0.0002 2768744 6.8439 0.0000 0.0002 2760427 ACTB 6.8056 0.0000 0.0002 2763345 FUSIP1 -6.7312 0.0000 <	2789773	ACTB	7.1915	0.0000	0.0001
2772502 C22ORF36 -7.0978 0.0000 0.0001 2767208 RRAGC -7.0836 0.0000 0.0001 2796075 SS18L1 -7.0815 0.0000 0.0001 2775354 SRF 7.0439 0.0000 0.0001 2799655 EPB41L4A -7.0220 0.0000 0.0001 2791730 AMFR -7.0051 0.0000 0.0001 2787360 TTC7B -6.9900 0.0000 0.0001 2761172 EIF5 -6.9727 0.0000 0.0001 2761511 PEX6 -6.9717 0.0000 0.0001 2766623 GBAS -6.9605 0.0000 0.0001 2768421 ZFR 6.9548 0.0000 0.0001 2768421 ZFR 6.9548 0.0000 0.0001 2783885 ZFYVE27 -6.9423 0.0000 0.0002 2768744 6.8439 0.0000 0.0002 2760427 ACTB 6.8056 0.0000 0.0002 2763345 FUSIP1 -6.7312 0.0000 0.0	2762047	ACTB	7.1082	0.0000	0.0001
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2791541	C22ORF36	-7.1072	0.0000	0.0001
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2772502	C22ORF36	-7.0978	0.0000	0.0001
2775354 SRF 7.0439 0.0000 0.0001 2799655 EPB41L4A -7.0220 0.0000 0.0001 2791730 AMFR -7.0051 0.0000 0.0001 2787360 TTC7B -6.9900 0.0000 0.0001 2774662 YPEL5 -6.9727 0.0000 0.0001 2761172 EIF5 -6.9717 0.0000 0.0001 276653 GBAS -6.9702 0.0000 0.0001 2791367 KPNA4 -6.9598 0.0000 0.0001 2768421 ZFR 6.9548 0.0000 0.0001 2783885 ZFYVE27 -6.9423 0.0000 0.0001 2758434 PIK3IP1 -6.8525 0.0000 0.0002 2768744 6.8439 0.0000 0.0002 2760427 ACTB 6.8056 0.0000 0.0002 2763345 FUSIP1 -6.7312 0.0000 0.0002	2767208	RRAGC	-7.0836	0.0000	0.0001
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2796075		-7.0815	0.0000	0.0001
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2775354	SRF	7.0439	0.0000	0.0001
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2799655		-7.0220	0.0000	0.0001
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2791730	AMFR	-7.0051	0.0000	0.0001
2761172 EIF5 -6.9717 0.0000 0.0001 2761511 PEX6 -6.9702 0.0000 0.0001 2766623 GBAS -6.9605 0.0000 0.0001 2791367 KPNA4 -6.9598 0.0000 0.0001 2768421 ZFR 6.9548 0.0000 0.0001 2783885 ZFYVE27 -6.9423 0.0000 0.0001 2758434 PIK3IP1 -6.8525 0.0000 0.0002 2768744 6.8439 0.0000 0.0002 2782488 UBE3B -6.8402 0.0000 0.0002 2760427 ACTB 6.8056 0.0000 0.0002 2763345 FUSIP1 -6.7312 0.0000 0.0002	2787360	TTC7B	-6.9900	0.0000	0.0001
2761511 PEX6 -6.9702 0.0000 0.0001 2766623 GBAS -6.9605 0.0000 0.0001 2791367 KPNA4 -6.9598 0.0000 0.0001 2768421 ZFR 6.9548 0.0000 0.0001 2783885 ZFYVE27 -6.9423 0.0000 0.0001 2758434 PIK3IP1 -6.8525 0.0000 0.0002 2768744 6.8439 0.0000 0.0002 2782488 UBE3B -6.8402 0.0000 0.0002 2760427 ACTB 6.8056 0.0000 0.0002 2763345 FUSIP1 -6.7312 0.0000 0.0002	2774662	YPEL5	-6.9727	0.0000	0.0001
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2761172	EIF5	-6.9717	0.0000	0.0001
2791367 KPNA4 -6.9598 0.0000 0.0001 2768421 ZFR 6.9548 0.0000 0.0001 2783885 ZFYVE27 -6.9423 0.0000 0.0001 2758434 PIK3IP1 -6.8525 0.0000 0.0002 2768744 6.8439 0.0000 0.0002 2782488 UBE3B -6.8402 0.0000 0.0002 2760427 ACTB 6.8056 0.0000 0.0002 2763345 FUSIP1 -6.7312 0.0000 0.0002	2761511	PEX6	-6.9702	0.0000	0.0001
2768421 ZFR 6.9548 0.0000 0.0001 2783885 ZFYVE27 -6.9423 0.0000 0.0001 2758434 PIK3IP1 -6.8525 0.0000 0.0002 2768744 6.8439 0.0000 0.0002 2782488 UBE3B -6.8402 0.0000 0.0002 2760427 ACTB 6.8056 0.0000 0.0002 2763345 FUSIP1 -6.7312 0.0000 0.0002	2766623		-6.9605	0.0000	0.0001
2783885 ZFYVE27 -6.9423 0.0000 0.0001 2758434 PIK3IP1 -6.8525 0.0000 0.0002 2768744 6.8439 0.0000 0.0002 2782488 UBE3B -6.8402 0.0000 0.0002 2760427 ACTB 6.8056 0.0000 0.0002 2763345 FUSIP1 -6.7312 0.0000 0.0002	2791367		-6.9598		0.0001
2758434 PIK3IP1 -6.8525 0.0000 0.0002 2768744 6.8439 0.0000 0.0002 2782488 UBE3B -6.8402 0.0000 0.0002 2760427 ACTB 6.8056 0.0000 0.0002 2763345 FUSIP1 -6.7312 0.0000 0.0002	2768421		6.9548	0.0000	0.0001
2768744 6.8439 0.0000 0.0002 2782488 UBE3B -6.8402 0.0000 0.0002 2760427 ACTB 6.8056 0.0000 0.0002 2763345 FUSIP1 -6.7312 0.0000 0.0002	2783885		-6.9423	0.0000	
2782488 UBE3B -6.8402 0.0000 0.0002 2760427 ACTB 6.8056 0.0000 0.0002 2763345 FUSIP1 -6.7312 0.0000 0.0002		PIK3IP1			
2760427 ACTB 6.8056 0.0000 0.0002 2763345 FUSIP1 -6.7312 0.0000 0.0002	2768744		6.8439	0.0000	0.0002
$2763345 \text{FUSIP1} \qquad \qquad -6.7312 \ 0.0000 \ \ 0.0002$					
2799969 -8.0344 0.0000 0.0001		FUSIP1			
	2799969		-8.0344	0.0000	0.0001

	gene_symbols	t	P.Value	adj.P.Val
2766681	C10ORF32	-6.7157	0.0000	0.0002
2780655		-6.6951	0.0000	0.0002
2798919	PEX6	-6.6661	0.0000	0.0002
2780492	1 2110	-6.6456	0.0000	0.0002
2772472		-6.6300	0.0000	0.0002
2763942	SEC11C	-6.6115	0.0000	0.0002
2769182	TAF13	-6.5962	0.0000	0.0002
2766671	1111 10	-6.5696	0.0000	0.0002
2794373	DERL1	-6.5653	0.0000	0.0002
2785325	DENE	6.5652	0.0000	0.0002
2790902	TAF13	-6.5466	0.0000	0.0002
2777980	SUB1	6.5437	0.0000	0.0002
2769232	DGKI	6.4929	0.0000	0.0002
2761443	NTRK2	6.4828	0.0000	0.0003
2765168	UTP15	6.4695	0.0000	0.0003
2783376	ACTN1	6.4670	0.0000	0.0003
2789946	AP3M2	-6.4648	0.0000	0.0003
2759937	TMEM171	-6.4624	0.0000	0.0003
2789415	C22ORF36	-6.4437	0.0000	0.0003
2788978	C22O1t1 30	-6.4435	0.0000	0.0003
2787072	WDR1	6.4323	0.0000	0.0003
2773523	ACTN1	6.4323 6.4276	0.0000	0.0003
2771893	ACINI	-6.4086	0.0000	0.0003
2771393	C5ORF41	-6.3856	0.0000	0.0003
2799037	ZFR	6.3735	0.0000	0.0003
2788275	FBXL20	-6.3538	0.0000	0.0003
2788249	SDHD	-0.3336 -6.7051	0.0000	0.0003
2761611	POF1B	-6.3408	0.0000	0.0002
2765874	PEX6	-6.3321	0.0000	0.0003
2769976	C22ORF36	-6.3153	0.0000	0.0003
2767779	COL4A3BP	-6.2967	0.0000	0.0003
2764293	AMACR	-6.2832	0.0000	0.0004
2791542	UPF1	-6.2649	0.0000	0.0004
2773456	PDDC1	-6.2517	0.0000	0.0004 0.0004
2798158	DLG1	6.2270	0.0000	0.0004 0.0004
2767126	SHC3	6.2175	0.0000	0.0004
2778404	RPS24	-6.2112	0.0000	0.0004
		-6.2112 -6.2067		0.0004 0.0004
2774627	PSMF1		0.0000	
2790259 2794871	RORA KPNA4	-6.2023 -6.1864	0.0000 0.0000	0.0004 0.0004
	PTCH1			0.0004
2781729	SYMENSTGUG00000017592	-6.1860	0.0000	
2765153		-6.1799	0.0000	0.0004
2779184	ACTR3	6.1652	0.0000	0.0004
2775685	RRAGC	-6.1588	0.0000	0.0004
2785826	ATXN3	-6.1584	0.0000	0.0004
2768389	NTRK2	6.1559	0.0000	0.0004
2799010	CIICo	6.1546	0.0000	0.0004
2791392	SHC3	6.1307	0.0000	0.0004
2792208	SUB1	6.1303	0.0000	0.0004
2774234	TPM1	6.1290	0.0000	0.0004
2768948	ATXN7L1	-6.1141	0.0000	0.0004
2788306	FAM8A1	-6.1108	0.0000	0.0004

	gene_symbols	t	P.Value	adj.P.Val
2795154	XP_002188032.1	-6.1019	0.0000	0.0004
2793580	RUSC2	-6.1012	0.0000	0.0004
2799555	WDR1	6.0954	0.0000	0.0004
2787767	ETF1	6.0942	0.0000	0.0004
2780156	ACTG2	6.0856	0.0000	0.0004
2766264	NBN	-6.0853	0.0000	0.0004
2778298	C10ORF32	-6.0787	0.0000	0.0004
2767181	BRD3	-6.0751	0.0000	0.0004
2791025	PLK2	6.0694	0.0000	0.0004
2783284	CUGBP2-1	6.0617	0.0000	0.0004
2768989	NTRK2	6.0503	0.0000	0.0004
2797078		-6.0361	0.0000	0.0005
2795973	RNF19B	6.3370	0.0000	0.0004
2780656	PCSK1	6.0263	0.0000	0.0005
2771640	RAB11FIP4	6.3318	0.0000	0.0004
2767511	AMFR	-6.0227	0.0000	0.0005
2792897	EIF5	-6.0174	0.0000	0.0005
2792908	SERTAD2	6.0099	0.0000	0.0005
2782585	SUB1	6.0082	0.0000	0.0005
2766176	FBXL20	-6.0068	0.0000	0.0005
2797270	ACTB	5.9950	0.0000	0.0005
2775903	PLLP	-5.9929	0.0000	0.0005
2758206	FRAT1	-5.9904	0.0000	0.0005
2789763	KIAA1462	5.9880	0.0000	0.0005
2784646		-5.9874	0.0000	0.0005
2760072		-5.9831	0.0000	0.0005
2767198	HIVEP2	5.9731	0.0000	0.0005
2763783		-5.9691	0.0000	0.0005
2781789	HNRNPD	5.9673	0.0000	0.0005
2796749	C22ORF32	-5.9665	0.0000	0.0005
2786646	PTDSS2	-5.9622	0.0000	0.0005
2793984	NR4A1	6.2592	0.0000	0.0004
2786318	ETF1	5.9583	0.0000	0.0005
2785854	HIVEP2	5.9440	0.0000	0.0005
2778302	ASB3	-5.9435	0.0000	0.0005
2800048		-5.9400	0.0000	0.0005
2774092	ZC3H7A	-5.9373	0.0000	0.0005
2781604	UBXN2A	5.9241	0.0000	0.0005
2772307	SERTAD2	6.2119	0.0000	0.0004
2793291	LIN52	-5.9184	0.0000	0.0005
2769526	MBNL2	5.9169	0.0000	0.0005
2794711	ACTB	5.9061	0.0000	0.0005
2780013	DENND2A	-5.8990	0.0000	0.0005
2761700	SGSM2	5.8892	0.0000	0.0005
2759394		-5.8744	0.0000	0.0005
2770736	NTRK2	5.8693	0.0000	0.0005
2783121	MBNL2	5.8690	0.0000	0.0005
2789669	C1ORF96	-5.8451	0.0000	0.0006
2762021	TXNDC12	-5.8267	0.0000	0.0006
2781527	UCP2	-5.8219	0.0000	0.0006
2789062	MED13	-5.8195	0.0000	0.0006
2765825	-	-5.8131	0.0000	0.0006
555 2 5		0.0101	2.0000	0.0000

2767203 BSDC1 -5.8045 0.0000 0.0006 2757076 NTRK2 5.8007 0.0000 0.0006 2785702 WDYHV1 -5.7907 0.0000 0.0006 2793598 C10ORF104-2 -5.7665 0.0000 0.0006 2762591 -5.7599 0.0000 0.0006 2763575 SHC3 5.7536 0.0000 0.0007 2785515 -5.7531 0.0000 0.0007 278354 DNAJB14 -5.7266 0.0000 0.0007 2763551 PIK3IP1 -5.7255 0.0000 0.0007 2765851 C150RF40 -5.7225 0.0000 0.0007 2784772 TSR1 5.7210 0.0000 0.0007 2784782 RAB11FIP4 5.9801 0.0000 0.0007 2783128 RAB11FIP4 5.9801 0.0000 0.0007 2760394 RAB11FIP4 5.9857 0.0000 0.0007 2762752 HIVEP2 5.6918 0.0000		gene_symbols	t	P.Value	adj.P.Val
2757076 NTRK2 5.8007 0.0000 0.0006 2785702 WDYHV1 -5.7907 0.0000 0.0006 27636675 ATG12 -5.7668 0.0000 0.0006 2763675 ATG12 -5.7668 0.0000 0.0006 275567 SHC3 5.75599 0.0000 0.0007 2782515 -5.7531 0.0000 0.0007 2787596 6.0192 0.0000 0.0007 2765801 PIK3IP1 -5.7296 0.0000 0.0007 2765851 C15ORF40 -5.7225 0.0000 0.0007 2784772 TSR1 5.7210 0.0000 0.0007 2784772 TSR1 5.7210 0.0000 0.0007 2783128 RAB11FIP4 5.9801 0.0000 0.0007 2783128 RAB11FIP4 5.9809 0.0000 0.0007 2762734 RB11FIP4 5.9809 0.0000 0.0007 2762755 NCBP2 -5.7112 0.0000 0.000	2792452	C15ORF40	-5.8092	0.0000	0.0006
2785702 WDYHV1 -5.7907 0.0000 0.0006 2793598 C100RF104-2 -5.7765 0.0000 0.0006 2762591 -5.7668 0.0000 0.0006 2782515 -5.7531 0.0000 0.0007 2787596 6.0192 0.0000 0.0007 2773554 DNAJB14 -5.7296 0.0000 0.0007 27658501 PIK3IP1 -5.7255 0.0000 0.0007 2765851 C15ORF40 -5.7255 0.0000 0.0007 2784772 TSR1 5.7210 0.0000 0.0007 2783128 RAB11FIP4 5.9801 0.0000 0.0007 2760295 NCBP2 -5.7112 0.0000 0.0007 2767394 RAB11FIP4 5.9891 0.0000 0.0007 2762752 HIVEP2 -5.6918 0.0000 0.0007 2772818 RCAN1 -5.6957 0.0000 0.0007 2762752 HIVEP2 -5.618 0.0000 0.0007	2767203	BSDC1	-5.8045	0.0000	0.0006
2793598 C10ORF104-2 -5.7765 0.0000 0.0006 2763675 ATG12 -5.7668 0.0000 0.0006 2762591 -5.7599 0.0000 0.0006 2759567 SHC3 5.7536 0.0000 0.0007 278515 -5.7531 0.0000 0.0007 2787554 DNAJB14 -5.7296 0.0000 0.0007 2765801 PIK3IP1 -5.7225 0.0000 0.0007 2784772 TSR1 5.7210 0.0000 0.0007 2783128 RABL3 -5.7202 0.0000 0.0007 2783128 RAB11FIP4 5.9801 0.0000 0.0007 276394 RAB11FIP4 5.9599 0.0000 0.0007 2767394 RAB11FIP4 5.9599 0.0000 0.0007 2762752 HIVEP2 5.6918 0.0000 0.0007 2762752 HIVEP2 5.6813 0.0000 0.0007 2758456 TANC2 5.6813 0.0000	2757076	NTRK2	5.8007	0.0000	0.0006
2763675 ATG12 -5.7668 0.0000 0.0006 2762591 -5.7599 0.0000 0.0006 2759567 SHC3 5.7536 0.0000 0.0007 2787596 -5.7531 0.0000 0.0007 2787596 6.0192 0.0000 0.0007 2765801 PIK3IP1 -5.7296 0.0000 0.0007 2765851 C150RF40 -5.7225 0.0000 0.0007 2784772 TSR1 5.7210 0.0000 0.0007 2783128 RABL3 -5.7202 0.0000 0.0007 2783128 RAB11FIP4 5.9801 0.0000 0.0007 2760295 NCBP2 -5.7112 0.0000 0.0007 277394 RAB11FIP4 5.9899 0.000 0.0007 2762752 HIVEP2 5.6918 0.0000 0.0007 2762848 ZFR 5.6821 0.000 0.0007 2765488 ZFR 5.6822 0.000 0.0007	2785702	WDYHV1	-5.7907	0.0000	0.0006
2762591 -5.7599 0.0000 0.0006 2759567 SHC3 5.7536 0.0000 0.0007 2782515 -5.7531 0.0000 0.0007 2787596 6.0192 0.0000 0.0007 2765851 DNAJB14 -5.7296 0.0000 0.0007 2765851 C15ORF40 -5.7255 0.0000 0.0007 2784772 TSR1 5.7210 0.0000 0.0007 2783128 RABL3 -5.7202 0.0000 0.0007 2760295 NCBP2 -5.7112 0.0000 0.0007 2767394 RAB11FIP4 5.9599 0.0000 0.0007 2762752 HVEP2 5.6918 0.0000 0.0007 2772818 RCAN1 -5.6954 0.0000 0.0007 2762752 HVEP2 5.6918 0.0000 0.0007 2758966 MED10 -5.6878 0.0000 0.0007 2758966 TANC2 5.6813 0.0000 0.0007	2793598	C10ORF104-2	-5.7765	0.0000	0.0006
2762591 -5.7599 0.0000 0.0006 2759567 SHC3 5.7536 0.0000 0.0007 2782515 -5.7531 0.0000 0.0007 2787596 6.0192 0.0000 0.0007 2765851 DNAJB14 -5.7296 0.0000 0.0007 2765851 PIK3IP1 -5.7255 0.0000 0.0007 2784772 TSR1 5.7210 0.0000 0.0007 2784772 TSR1 5.7210 0.0000 0.0007 2783128 RABL3 -5.7202 0.0000 0.0007 2760295 NCBP2 -5.7112 0.0000 0.0007 2767394 RAB11FIP4 5.9599 0.0000 0.0007 2762752 HVEP2 5.6918 0.0000 0.0007 27752818 RCAN1 -5.6954 0.0000 0.0007 2758966 MED10 -5.6878 0.0000 0.0007 2758966 MED10 -5.6878 0.0000 0.0007					0.0006
2759567 SHC3 5.7536 0.0000 0.0007 2787596 6.0192 0.0000 0.0007 2773554 DNAJB14 -5.7296 0.0000 0.0007 2765801 PIK3IP1 -5.7255 0.0000 0.0007 2765851 C15ORF40 -5.7225 0.0000 0.0007 2784772 TSR1 5.7210 0.0000 0.0007 2783128 RAB13 -5.7220 0.0000 0.0007 2760295 NCBP2 -5.7112 0.0000 0.0007 2760295 NCBP2 -5.7112 0.0000 0.0007 2760394 RAB11FIP4 5.9599 0.0000 0.0007 2779190 5.6957 0.0000 0.0007 2772818 RCAN1 -5.6957 0.0000 0.0007 2759966 MED10 -5.6878 0.0000 0.0007 2758456 TANC2 5.6813 0.0000 0.0007 2758456 TANC2 5.6813 0.0000 0.0007 <td></td> <td></td> <td></td> <td></td> <td>0.0006</td>					0.0006
2782515 -5.7531 0.0000 0.0007 2787596 6.0192 0.0000 0.0005 2773554 DNAJB14 -5.7296 0.0000 0.0007 2765801 PIK3IP1 -5.7255 0.0000 0.0007 2765851 C15ORF40 -5.7225 0.0000 0.0007 2784772 TSR1 5.7210 0.0000 0.0007 2788128 RABL3 -5.7202 0.0000 0.0007 2783128 RAB11FIP4 5.9801 0.0000 0.0007 2760295 NCBP2 -5.7112 0.0000 0.0007 2760394 RAB11FIP4 5.9599 0.0000 0.0007 2790190 5.6957 0.0000 0.0007 2772818 RCAN1 -5.6954 0.0000 0.0007 2755456 HIVEP2 5.6918 0.0000 0.0007 2755458 ZFR 5.6822 0.0000 0.0007 2758456 TANC2 5.6813 0.0000 0.0007		SHC3			
2787596 6.0192 0.0000 0.0005 2773544 DNAJB14 -5.7296 0.0000 0.0007 2765851 PIK3IP1 -5.7255 0.0000 0.0007 2765851 C15ORF40 -5.7225 0.0000 0.0007 2784772 TSR1 5.7210 0.0000 0.0007 2783128 RAB11FIP4 5.9801 0.0000 0.0005 2760295 NCBP2 -5.7112 0.0000 0.0005 27607394 RAB11FIP4 5.9891 0.0000 0.0005 2790190 5.6957 0.0000 0.0007 2772818 RCAN1 -5.6954 0.0000 0.0007 2765488 ZFR 5.6958 0.0000 0.0007 2758456 TANC2 5.6818 0.0000 0.0007 2783665 TANC2 5.6813 0.0000 0.0007 2785666 CCT2 5.6802 0.0000 0.0007 2760625 CDC2L6 -5.6774 0.0000 0.0007 </td <td></td> <td></td> <td></td> <td></td> <td></td>					
2773554 DNAJB14 -5.7296 0.0000 0.0007 2765801 PIK3IP1 -5.7255 0.0000 0.0007 2765851 C15ORF40 -5.7225 0.0000 0.0007 2784772 TSR1 5.7210 0.0000 0.0007 2783128 RABL3 -5.7202 0.0000 0.0005 2760295 NCBP2 -5.7112 0.0000 0.0007 2767394 RAB11FIP4 5.9599 0.0000 0.0007 27790190 5.6957 0.0000 0.0007 2772818 RCAN1 -5.6954 0.0000 0.0007 2762752 HIVEP2 5.6918 0.0000 0.0007 2758456 TANC2 5.6878 0.0000 0.0007 2758456 TANC2 5.6813 0.0000 0.0007 2776506 CCT2 5.6802 0.0000 0.0007 2760625 CDC2L6 -5.6774 0.0000 0.0007 2760821 TMCC2 -5.6737 0.0000 </td <td></td> <td></td> <td></td> <td></td> <td></td>					
2765801 PIK3IP1 -5.7255 0.0000 0.0007 2765851 C15ORF40 -5.7225 0.0000 0.0007 2784772 TSR1 5.7210 0.0000 0.0007 2788662 RABL3 -5.7202 0.0000 0.0005 2783128 RAB11FIP4 5.9801 0.0000 0.0007 2760295 NCBP2 -5.7112 0.0000 0.0007 27607394 RAB11FIP4 5.9599 0.0000 0.0007 2790190 5.6957 0.0000 0.0007 2762752 HIVEP2 5.6918 0.0000 0.0007 2759966 MED10 -5.6878 0.0000 0.0007 2758456 TANC2 5.6813 0.0000 0.0007 2783040 TMEM111 -5.6802 0.0000 0.0007 2776506 CCT2 5.6830 0.0000 0.0007 2796655 CDC2L6 -5.6774 0.0000 0.0007 2789211 DEK -5.6723 0.0000		DNAJB14			
2765851 C15ORF40 -5.7225 0.0000 0.0007 2784772 TSR1 5.7210 0.0000 0.0007 2783128 RABL3 -5.7202 0.0000 0.0007 2763295 NCBP2 -5.7112 0.0000 0.0005 2767394 RAB11FIP4 5.9599 0.0000 0.0007 2779190 5.6957 0.0000 0.0007 2772818 RCAN1 -5.6954 0.0000 0.0007 2752966 MED10 -5.6878 0.0000 0.0007 2759468 ZFR 5.6852 0.0000 0.0007 2758456 TANC2 5.6813 0.0000 0.0007 2758456 TANC2 5.6813 0.0000 0.0007 2765648 ZFR 5.6852 0.0000 0.0007 2758456 TANC2 5.6813 0.0000 0.0007 2758456 TANC2 5.6813 0.0000 0.0007 2776560 CCT2 5.6802 0.0000 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
2784772 TSR1 5.7210 0.0000 0.0007 2788622 RABL3 -5.7202 0.0000 0.0005 2783128 RAB11FIP4 5.9801 0.0000 0.0005 2760295 NCBP2 -5.7112 0.0000 0.0005 2760394 RAB11FIP4 5.9599 0.0000 0.0007 2790190 5.6957 0.0000 0.0007 2762752 HIVEP2 5.6918 0.0000 0.0007 2759966 MED10 -5.6878 0.0000 0.0007 2765488 ZFR 5.6822 0.0000 0.0007 2765485 TANC2 5.6813 0.0000 0.0007 2783040 TMEM111 -5.6803 0.0000 0.0007 2776556 CCT2 5.6802 0.0000 0.0007 27760821 TMCC2 5.6774 0.0000 0.0007 2776153 THUMPD1 -5.6768 0.0000 0.0007 2789211 DEK -5.6723 0.0000					
2798662 RABL3 -5.7202 0.0000 0.0005 2783128 RAB11FIP4 5.9801 0.0000 0.0005 2760295 NCBP2 -5.7112 0.0000 0.0007 2767394 RAB11FIP4 5.9599 0.0000 0.0007 2772818 RCAN1 -5.6954 0.0000 0.0007 2752966 MED10 -5.6878 0.0000 0.0007 2759868 ZFR 5.6822 0.0000 0.0007 2758456 TANC2 5.6813 0.0000 0.0007 2783040 TMEM111 -5.6803 0.0000 0.0007 2776506 CCT2 5.6813 0.0000 0.0007 2786251 TMCC2 5.6774 0.0000 0.0007 2796655 CDC2L6 -5.6774 0.0000 0.0007 2789211 DEK -5.6723 0.0000 0.0007 2789211 DEK -5.6723 0.0000 0.0007 2789937 BSDC1 -5.618					
2783128 RAB11FIP4 5.9801 0.0000 0.0007 2760295 NCBP2 -5.7112 0.0000 0.0007 2767394 RAB11FIP4 5.9599 0.0000 0.0005 2790190 5.6957 0.0000 0.0007 2762752 HIVEP2 5.6918 0.0000 0.0007 2759966 MED10 -5.6878 0.0000 0.0007 2765488 ZFR 5.6822 0.0000 0.0007 2758456 TANC2 5.6813 0.0000 0.0007 2765488 ZFR 5.6802 0.0000 0.0007 2765486 TANC2 5.6813 0.0000 0.0007 2765487 TMEM111 -5.6803 0.0000 0.0007 276560 CCT2 5.6802 0.0000 0.0007 276655 CDC2L6 -5.6774 0.0000 0.0007 2760821 TMCC2 -5.6737 0.0000 0.0007 2789211 DEK -5.6723 0.0000					
2760295 NCBP2 -5.7112 0.0000 0.0007 2767394 RAB11FIP4 5.9599 0.0000 0.0005 2790190 5.6957 0.0000 0.0007 27722818 RCAN1 -5.6954 0.0000 0.0007 2752966 MED10 -5.6878 0.0000 0.0007 2754848 ZFR 5.6822 0.0000 0.0007 2758456 TANC2 5.6813 0.0000 0.0007 2783040 TMEM111 -5.6803 0.0000 0.0007 2796655 CDC2L6 -5.6774 0.0000 0.0007 2760821 TMCC2 -5.6788 0.0000 0.0007 2789211 DEK -5.6723 0.0000 0.0007 2789211 DEK -5.6723 0.0000 0.0007 2761268 KIAA1462 5.6676 0.0000 0.0007 2789937 BSDC1 -5.6418 0.0000 0.0007 2789937 BSDC1 -5.6326 0.0000					
2767394 RAB11FIP4 5.9599 0.0000 0.0007 27790190 5.6957 0.0000 0.0007 2772818 RCAN1 -5.6954 0.0000 0.0007 2759966 MED10 -5.6878 0.0000 0.0007 2758456 TANC2 5.6813 0.0000 0.0007 2758456 TANC2 5.6803 0.0000 0.0007 2765485 CCT2 5.6802 0.0000 0.0007 2776506 CCT2 5.6802 0.0000 0.0007 2776555 CDC2L6 -5.6774 0.0000 0.0007 2776565 CDC2L6 -5.6784 0.0000 0.0007 2760821 TMCC2 -5.6788 0.0000 0.0007 2789211 DEK -5.6723 0.0000 0.0007 2760268 KIAA1462 5.6676 0.0000 0.0007 276096 HNIL -5.6657 0.0000 0.0007 2789937 BSDC1 -5.6418 0.0000 0.0008 2775565 DLG1 5.6326 0.0000 0.					
2790190 5.6957 0.0000 0.0007 2772818 RCAN1 -5.6954 0.0000 0.0007 2762752 HIVEP2 5.6918 0.0000 0.0007 2759966 MED10 -5.6878 0.0000 0.0007 2758486 TANC2 5.6813 0.0000 0.0007 2783040 TMEM111 -5.6803 0.0000 0.0007 2776506 CCT2 5.6802 0.0000 0.0007 2796655 CDC2L6 -5.6774 0.0000 0.0007 2760821 TMCC2 -5.6768 0.0000 0.0007 2761268 KIAA1462 -5.6723 0.0000 0.0007 2760096 HNIL -5.6657 0.0000 0.0007 2761268 KIAA1462 5.6676 0.0000 0.0007 2776511 NOL8 -5.6624 0.0000 0.0007 278937 BSDC1 -5.6418 0.0000 0.0008 2775565 DLG1 5.6382 0.0000					
2772818 RCAN1 -5.6954 0.0000 0.0007 2762752 HIVEP2 5.6918 0.0000 0.0007 2759966 MED10 -5.6878 0.0000 0.0007 2758486 ZFR 5.6822 0.0000 0.0007 2783040 TMEM111 -5.6803 0.0000 0.0007 2776566 CCT2 5.6802 0.0000 0.0007 2776555 CDC2L6 -5.6774 0.0000 0.0007 2760821 TMCC2 -5.6788 0.0000 0.0007 2760821 TMCC2 -5.6774 0.0000 0.0007 2761268 KIAA1462 -5.6723 0.0000 0.0007 2761268 KIAA1462 5.6676 0.0000 0.0007 276096 HN1L -5.6657 0.0000 0.0007 2776511 NOL8 -5.6624 0.0000 0.0008 2775565 DLG1 5.6382 0.0000 0.0008 2760455 TPM4 5.6326		TABIII II 4			
2762752 HIVEP2 5.6918 0.0000 0.0007 2759966 MED10 -5.6878 0.0000 0.0007 2765488 ZFR 5.6822 0.0000 0.0007 2758456 TANC2 5.6813 0.0000 0.0007 2783040 TMEM111 -5.6803 0.0000 0.0007 2776566 CCT2 5.6802 0.0000 0.0007 2796655 CDC2L6 -5.6774 0.0000 0.0007 2760821 TMCC2 -5.6737 0.0000 0.0007 2761268 KIAA1462 5.6676 0.0000 0.0007 276096 HN1L -5.6657 0.0000 0.0007 2761268 KIAA1462 5.6676 0.0000 0.0007 276096 HN1L -5.6657 0.0000 0.0007 2789937 BSDC1 -5.6418 0.0000 0.0008 2761495 C140 5.6326 0.0000 0.0008 2766052 TPM4 5.6323 <		$RC\Delta N1$			
2759966 MED10 -5.6878 0.0000 0.0007 2765488 ZFR 5.6822 0.0000 0.0007 2758456 TANC2 5.6813 0.0000 0.0007 2783040 TMEM111 -5.6803 0.0000 0.0007 2776506 CCT2 5.6802 0.0000 0.0007 2796655 CDC2L6 -5.6774 0.0000 0.0007 2761253 THUMPD1 -5.6768 0.0000 0.0007 2789211 DEK -5.6723 0.0000 0.0007 2761268 KIAA1462 5.6676 0.0000 0.0007 276096 HNIL -5.6626 0.0000 0.0007 276096 HNIL -5.6627 0.0000 0.0007 278937 BSDC1 -5.6418 0.0000 0.0007 2789937 BSDC1 -5.6418 0.0000 0.0008 2761495 C14ORF83 -5.6326 0.0000 0.0008 2766952 TPM4 5.6323					
2765488 ZFR 5.6822 0.0000 0.0007 2758456 TANC2 5.6813 0.0000 0.0007 2783040 TMEM111 -5.6803 0.0000 0.0007 2776506 CCT2 5.6802 0.0000 0.0007 2796655 CDC2L6 -5.6774 0.0000 0.0007 276153 THUMPD1 -5.6768 0.0000 0.0007 2760821 TMCC2 -5.6737 0.0000 0.0007 2789211 DEK -5.6723 0.0000 0.0007 276096 HN1L -5.6676 0.0000 0.0007 276096 HNIL -5.6624 0.0000 0.0007 276096 HNIL -5.6624 0.0000 0.0007 278937 BSDC1 -5.6418 0.0000 0.0008 2775565 DLG1 5.6382 0.0000 0.0008 2761495 C14ORF83 -5.6326 0.0000 0.0008 2769137 PELI1 5.6234 0					
$\begin{array}{cccccccccccccccccccccccccccccccccccc$					
2771553 THUMPD1 -5.6768 0.0000 0.0007 2760821 TMCC2 -5.6737 0.0000 0.0007 2789211 DEK -5.6723 0.0000 0.0007 2761268 KIAA1462 5.6676 0.0000 0.0007 2760096 HN1L -5.6657 0.0000 0.0007 2776511 NOL8 -5.6624 0.0000 0.0007 2789937 BSDC1 -5.6418 0.0000 0.0008 2775565 DLG1 5.6322 0.0000 0.0008 2761495 C14ORF83 -5.6326 0.0000 0.0008 276652 TPM4 5.6323 0.0000 0.0008 2774758 XP_002188032.1 -5.6297 0.0000 0.0008 2782659 RNF19B 5.6216 0.0000 0.0008 2784605 -5.6201 0.0000 0.0008 277552 SYMENSTGUG00000017592 -5.6184 0.0000 0.0008 2780693 ACTR3 5.5988					
$\begin{array}{cccccccccccccccccccccccccccccccccccc$					
2789211 DEK -5.6723 0.0000 0.0007 2761268 KIAA1462 5.6676 0.0000 0.0007 2760096 HN1L -5.6657 0.0000 0.0007 2776511 NOL8 -5.6624 0.0000 0.0007 2789937 BSDC1 -5.6418 0.0000 0.0008 2775565 DLG1 5.6382 0.0000 0.0008 2761495 C14ORF83 -5.6326 0.0000 0.0008 2766052 TPM4 5.6323 0.0000 0.0008 2769137 PELI1 5.6234 0.0000 0.0008 2782659 RNF19B 5.6216 0.0000 0.0008 2784605 -5.6201 0.0000 0.0008 277552 SYMENSTGUG00000017592 -5.6184 0.0000 0.0008 2770568 LOC422221 -5.6156 0.0000 0.0008 2780693 ACTR3 5.5988 0.0000 0.0008 2790875 BAI3 -5.5900 0.0000 0.0008 2768206 GPR12 5.5879 0.0000<					
2761268 KIAA1462 5.6676 0.0000 0.0007 2760096 HN1L -5.6657 0.0000 0.0007 2776511 NOL8 -5.6624 0.0000 0.0008 2789937 BSDC1 -5.6418 0.0000 0.0008 2775565 DLG1 5.6382 0.0000 0.0008 2761495 C14ORF83 -5.6326 0.0000 0.0008 2766052 TPM4 5.6323 0.0000 0.0008 2769137 PELI1 5.6297 0.0000 0.0008 2782659 RNF19B 5.6216 0.0000 0.0008 2784605 -5.6201 0.0000 0.0008 2770568 LOC422221 -5.6184 0.0000 0.0008 2780693 ACTR3 5.5988 0.0000 0.0008 2760224 HIVEP2 5.5938 0.0000 0.0008 2768206 GPR12 5.5879 0.0000 0.0008 2763350 REEP3 -5.5814 0.0000 0.0008 27765456 SUB1 5.5757 0.0000 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
2760096 HN1L -5.6657 0.0000 0.0007 2776511 NOL8 -5.6624 0.0000 0.0007 2789937 BSDC1 -5.6418 0.0000 0.0008 2775565 DLG1 5.6382 0.0000 0.0008 2761495 C14ORF83 -5.6326 0.0000 0.0008 2766052 TPM4 5.6323 0.0000 0.0008 2774758 XP_002188032.1 -5.6297 0.0000 0.0008 2782659 RNF19B 5.6216 0.0000 0.0008 2784605 -5.6201 0.0000 0.0008 2777552 SYMENSTGUG00000017592 -5.6184 0.0000 0.0008 2770568 LOC422221 -5.6156 0.0000 0.0008 2780693 ACTR3 5.5988 0.0000 0.0008 2790875 BAI3 -5.5900 0.0000 0.0008 2768206 GPR12 5.5879 0.0000 0.0008 2763350 REEP3 -5.5814 0.0000 0.0008 2765456 SUB1 5.5757 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
2776511 NOL8 -5.6624 0.0000 0.0007 2789937 BSDC1 -5.6418 0.0000 0.0008 2775565 DLG1 5.6382 0.0000 0.0008 2761495 C14ORF83 -5.6326 0.0000 0.0008 2766052 TPM4 5.6323 0.0000 0.0008 2774758 XP_002188032.1 -5.6297 0.0000 0.0008 2769137 PELI1 5.6234 0.0000 0.0008 2782659 RNF19B 5.6216 0.0000 0.0008 2784605 -5.6201 0.0000 0.0008 2777552 SYMENSTGUG00000017592 -5.6184 0.0000 0.0008 2770568 LOC422221 -5.6156 0.0000 0.0008 2780693 ACTR3 5.5988 0.0000 0.0008 2760224 HIVEP2 5.5938 0.0000 0.0008 2768206 GPR12 5.5879 0.0000 0.0008 2763350 REEP3 -5.5814 0.0000 0.0008 2765456 SUB1 5.5757 <					
2789937 BSDC1 -5.6418 0.0000 0.0008 2775565 DLG1 5.6382 0.0000 0.0008 2761495 C14ORF83 -5.6326 0.0000 0.0008 2766052 TPM4 5.6323 0.0000 0.0008 2774758 XP_002188032.1 -5.6297 0.0000 0.0008 2769137 PELI1 5.6234 0.0000 0.0008 2782659 RNF19B 5.6216 0.0000 0.0008 2784605 -5.6201 0.0000 0.0008 2777552 SYMENSTGUG00000017592 -5.6184 0.0000 0.0008 2770568 LOC422221 -5.6156 0.0000 0.0008 2780693 ACTR3 5.5988 0.0000 0.0008 2790875 BAI3 -5.5900 0.0000 0.0008 2768206 GPR12 5.5879 0.0000 0.0008 2763350 REEP3 -5.5814 0.0000 0.0008 2765456 SUB1 5.5757 0.0000 0.0008 2779868 HOMER1 5.5757 <					
2775565 DLG1 5.6382 0.0000 0.0008 2761495 C14ORF83 -5.6326 0.0000 0.0008 2766052 TPM4 5.6323 0.0000 0.0008 2774758 XP_002188032.1 -5.6297 0.0000 0.0008 2769137 PELI1 5.6234 0.0000 0.0008 2782659 RNF19B 5.6216 0.0000 0.0008 2784605 -5.6201 0.0000 0.0008 2777552 SYMENSTGUG00000017592 -5.6184 0.0000 0.0008 2770568 LOC422221 -5.6156 0.0000 0.0008 2780693 ACTR3 5.5988 0.0000 0.0008 2760224 HIVEP2 5.5938 0.0000 0.0008 2768206 GPR12 5.5879 0.0000 0.0008 2763350 REEP3 -5.5814 0.0000 0.0008 2765456 SUB1 5.5795 0.0000 0.0008 2779868 HOMER1 5.5757 0.0000 0.0008					
2761495 C14ORF83 -5.6326 0.0000 0.0008 2766052 TPM4 5.6323 0.0000 0.0008 2774758 XP_002188032.1 -5.6297 0.0000 0.0008 2769137 PELI1 5.6234 0.0000 0.0008 2782659 RNF19B 5.6216 0.0000 0.0008 2784605 -5.6201 0.0000 0.0008 2770568 LOC422221 -5.6184 0.0000 0.0008 2780693 ACTR3 5.5988 0.0000 0.0008 2760224 HIVEP2 5.5938 0.0000 0.0008 2768206 GPR12 5.5879 0.0000 0.0008 2763350 REEP3 -5.5833 0.0000 0.0008 276040 B3GALT6 -5.5814 0.0000 0.0008 276986 HOMER1 5.5757 0.0000 0.0008					
2766052 TPM4 5.6323 0.0000 0.0008 2774758 XP_002188032.1 -5.6297 0.0000 0.0008 2769137 PELII 5.6234 0.0000 0.0008 2782659 RNF19B 5.6216 0.0000 0.0008 2784605 -5.6201 0.0000 0.0008 2777552 SYMENSTGUG00000017592 -5.6184 0.0000 0.0008 2780693 ACTR3 5.5988 0.0000 0.0008 2760224 HIVEP2 5.5938 0.0000 0.0008 2790875 BAI3 -5.5900 0.0000 0.0008 276320 GPR12 5.5879 0.0000 0.0008 276040 B3GALT6 -5.5814 0.0000 0.0008 2765456 SUB1 5.5795 0.0000 0.0008 2779868 HOMER1 5.5757 0.0000 0.0008					
2774758 XP_002188032.1 -5.6297 0.0000 0.0008 2769137 PELI1 5.6234 0.0000 0.0008 2782659 RNF19B 5.6216 0.0000 0.0008 2784605 -5.6201 0.0000 0.0008 2777552 SYMENSTGUG00000017592 -5.6184 0.0000 0.0008 2780693 ACTR3 5.5988 0.0000 0.0008 2760224 HIVEP2 5.5938 0.0000 0.0008 2790875 BAI3 -5.5900 0.0000 0.0008 2763350 REEP3 -5.5833 0.0000 0.0008 2776040 B3GALT6 -5.5814 0.0000 0.0008 276986 HOMER1 5.5757 0.0000 0.0008					
2769137 PELI1 5.6234 0.0000 0.0008 2782659 RNF19B 5.6216 0.0000 0.0008 2784605 -5.6201 0.0000 0.0008 2777552 SYMENSTGUG00000017592 -5.6184 0.0000 0.0008 2770568 LOC422221 -5.6156 0.0000 0.0008 2780693 ACTR3 5.5988 0.0000 0.0008 2760224 HIVEP2 5.5938 0.0000 0.0008 2790875 BAI3 -5.5900 0.0000 0.0008 2768206 GPR12 5.5879 0.0000 0.0008 2763350 REEP3 -5.5833 0.0000 0.0008 2765456 SUB1 5.5795 0.0000 0.0008 2779868 HOMER1 5.5757 0.0000 0.0008					
2782659 RNF19B 5.6216 0.0000 0.0008 2784605 -5.6201 0.0000 0.0008 2777552 SYMENSTGUG00000017592 -5.6184 0.0000 0.0008 2770568 LOC422221 -5.6156 0.0000 0.0008 2780693 ACTR3 5.5988 0.0000 0.0008 2760224 HIVEP2 5.5938 0.0000 0.0008 2790875 BAI3 -5.5900 0.0000 0.0008 2768206 GPR12 5.5879 0.0000 0.0008 2763350 REEP3 -5.5833 0.0000 0.0008 2776040 B3GALT6 -5.5814 0.0000 0.0008 2765456 SUB1 5.5795 0.0000 0.0008 2779868 HOMER1 5.5757 0.0000 0.0008					
2784605 -5.6201 0.0000 0.0008 2777552 SYMENSTGUG00000017592 -5.6184 0.0000 0.0008 2770568 LOC422221 -5.6156 0.0000 0.0008 2780693 ACTR3 5.5988 0.0000 0.0008 2760224 HIVEP2 5.5938 0.0000 0.0008 2790875 BAI3 -5.5900 0.0000 0.0008 2768206 GPR12 5.5879 0.0000 0.0008 2763350 REEP3 -5.5833 0.0000 0.0008 2776040 B3GALT6 -5.5814 0.0000 0.0008 2765456 SUB1 5.5795 0.0000 0.0008 2779868 HOMER1 5.5757 0.0000 0.0008					
2777552 SYMENSTGUG00000017592 -5.6184 0.0000 0.0008 2770568 LOC422221 -5.6156 0.0000 0.0008 2780693 ACTR3 5.5988 0.0000 0.0008 2760224 HIVEP2 5.5938 0.0000 0.0008 2790875 BAI3 -5.5900 0.0000 0.0008 2768206 GPR12 5.5879 0.0000 0.0008 2763350 REEP3 -5.5833 0.0000 0.0008 2776040 B3GALT6 -5.5814 0.0000 0.0008 2765456 SUB1 5.5795 0.0000 0.0008 2779868 HOMER1 5.5757 0.0000 0.0008		RNF19B			
2770568 LOC422221 -5.6156 0.0000 0.0008 2780693 ACTR3 5.5988 0.0000 0.0008 2760224 HIVEP2 5.5938 0.0000 0.0008 2790875 BAI3 -5.5900 0.0000 0.0008 2768206 GPR12 5.5879 0.0000 0.0008 2763350 REEP3 -5.5833 0.0000 0.0008 2776040 B3GALT6 -5.5814 0.0000 0.0008 2765456 SUB1 5.5795 0.0000 0.0008 2779868 HOMER1 5.5757 0.0000 0.0008					
2780693 ACTR3 5.5988 0.0000 0.0008 2760224 HIVEP2 5.5938 0.0000 0.0008 2790875 BAI3 -5.5900 0.0000 0.0008 2768206 GPR12 5.5879 0.0000 0.0008 2763350 REEP3 -5.5833 0.0000 0.0008 2776040 B3GALT6 -5.5814 0.0000 0.0008 2765456 SUB1 5.5795 0.0000 0.0008 2779868 HOMER1 5.5757 0.0000 0.0008					
2760224 HIVEP2 5.5938 0.0000 0.0008 2790875 BAI3 -5.5900 0.0000 0.0008 2768206 GPR12 5.5879 0.0000 0.0008 2763350 REEP3 -5.5833 0.0000 0.0008 2776040 B3GALT6 -5.5814 0.0000 0.0008 2765456 SUB1 5.5795 0.0000 0.0008 2779868 HOMER1 5.5757 0.0000 0.0008					
2790875 BAI3 -5.5900 0.0000 0.0008 2768206 GPR12 5.5879 0.0000 0.0008 2763350 REEP3 -5.5833 0.0000 0.0008 2776040 B3GALT6 -5.5814 0.0000 0.0008 2765456 SUB1 5.5795 0.0000 0.0008 2779868 HOMER1 5.5757 0.0000 0.0008					
2768206 GPR12 5.5879 0.0000 0.0008 2763350 REEP3 -5.5833 0.0000 0.0008 2776040 B3GALT6 -5.5814 0.0000 0.0008 2765456 SUB1 5.5795 0.0000 0.0008 2779868 HOMER1 5.5757 0.0000 0.0008					
2763350 REEP3 -5.5833 0.0000 0.0008 2776040 B3GALT6 -5.5814 0.0000 0.0008 2765456 SUB1 5.5795 0.0000 0.0008 2779868 HOMER1 5.5757 0.0000 0.0008					
2776040 B3GALT6 -5.5814 0.0000 0.0008 2765456 SUB1 5.5795 0.0000 0.0008 2779868 HOMER1 5.5757 0.0000 0.0008					
2765456 SUB1 5.5795 0.0000 0.0008 2779868 HOMER1 5.5757 0.0000 0.0008					0.0008
2779868 HOMER1 5.5757 0.0000 0.0008					0.0008
					0.0008
2799286 SHC3 5.5744 0.0000 0.0008					0.0008
	2799286	SHC3	5.5744	0.0000	0.0008

	gene_symbols	t	P.Value	adj.P.Val
2792142	NCBP2	-5.5676	0.0000	0.0008
2775953	SF3B14	-5.5586	0.0000	0.0008
2799559	EGR1	5.5559	0.0000	0.0008
2788164	TRPV1	-5.5540	0.0000	0.0008
2772405	GFM2	-5.5469	0.0000	0.0009
2783111	FEM1C	-5.5459	0.0000	0.0009
2787375	PM20D1	-5.5441	0.0000	0.0009
2766722	COL4A3BP	-5.5416	0.0000	0.0009
2790332	PAFAH1B2	-5.5394	0.0000	0.0009
2796310	PTCH1	-5.5362	0.0000	0.0009
2777308		-6.2856	0.0000	0.0004
2767701	NUP188	-5.5302	0.0000	0.0009
2763381	SLC6A6	5.5252	0.0000	0.0009
2797196		-5.5237	0.0000	0.0009
2789938	RRAGC	-5.5220	0.0000	0.0009
2766587		-5.5211	0.0000	0.0009
2794357		-6.2594	0.0000	0.0004
2790393	RCJMB04 31O3	-5.4920	0.0000	0.0009
2769883	TAF13	-5.4822	0.0000	0.0010
2790600	HMGN2	-5.4810	0.0000	0.0010
2777016	KCNK2	-5.4737	0.0000	0.0010
2770773	THUMPD1	-6.1979	0.0000	0.0004
2791298	SYT14	-5.4658	0.0000	0.0010
2776018	FAM8A1	-5.4527	0.0000	0.0010
2784556	SIK2	5.4496	0.0000	0.0010
2781522	EGR1	5.4434	0.0000	0.0010
2783004	ACTR3	5.4424	0.0000	0.0010
2776200	C15ORF41	-5.4344	0.0000	0.0010
2769348	FAM92A1	-5.4318	0.0000	0.0010
2783041	PELI1	5.4292	0.0000	0.0010
2773875	C15ORF41	-5.4286	0.0000	0.0010
2794375	EGR1	5.4281	0.0000	0.0010
2787420	CDKN1B	-5.4275	0.0000	0.0010
2772110	ODINIVID	-5.4274	0.0000	0.0010
2782928	ZFR	5.4235	0.0000	0.0010
2759065	FOSL2	5.4168	0.0000	0.0010
2797543	ZC3H8	-6.1047	0.0000	0.0015
2795192	UBE2L3	-6.1038	0.0000	0.0005
2796554	TRIM23	-5.3894	0.0000	0.0011
2786303	MBNL2	5.3873	0.0000	0.0011
2763809	CXCL14	5.3839	0.0000	0.0011
2776120	ACTR3	5.3798	0.0000	0.0011
2798094	EGR1	5.3749	0.0000	0.0011
2763747	ABL2	-5.3715	0.0000	0.0011
2757328	SIK2	5.3708	0.0000	0.0011
2782785	WDR5	-5.3688	0.0000	0.0011
2781238	GDAP1	-5.5892	0.0000	0.0011
2790793	CLDN12	-5.3651	0.0000	0.0009
2781237	ODDIVI2	5.3623	0.0000	0.0011
2766669	GBAS	-6.0549	0.0000	0.0011
2781445	GDAD	-6.0549 -5.3533	0.0000	0.0005 0.0012
2751445	PTPRJ	-9.5955 5.3500	0.0000	0.0012 0.0012
2100041	1 11 11 11 11	0.5000	0.0000	0.0012

2761518 -5.3470 0.0000 0.0012 2795936 PABPC1 -5.3444 0.0000 0.0012 2780227 C15ORF40 -5.3443 0.0000 0.0012 2788781 5.3411 0.0000 0.0012 2776522 TAPI3 -5.3358 0.0000 0.0012 2788987 LPCAT1 -5.3358 0.0000 0.0012 2784218 ACVR2A -5.3180 0.0000 0.0012 2764711 SIRT1 -5.3158 0.0000 0.0012 2761712 CXCL14 5.3188 0.0000 0.0012 2760380 EGR1 5.5144 0.0000 0.0012 2770794 CXCL14 5.514 0.0000 0.0013 2795713 HIVEP 5.5007 0.0000 0.0013 2797074 LVE 5.2865 0.0000 0.0013 2787952 SYMENSTGUG00000003396 5.2827 0.0000 0.0013 27878969 KIAA1462 5.217 0.0000 <		gene_symbols	t	P.Value	adj.P.Val
2780227 C15ORF40 -5.3441 0.0000 0.0012 2788781 5.3411 0.0000 0.0012 2762225 MAPKIIPIL -5.3373 0.0000 0.0012 2776532 TAF13 -5.3358 0.0000 0.0012 2784218 ACVR2A -5.3180 0.0000 0.0012 2764711 SIRT1 -5.3158 0.0000 0.0012 2762294 CXCL14 5.3108 0.0000 0.0012 2761140 5.5114 0.0000 0.0012 2760380 EGR1 5.2941 0.0000 0.0013 2759501 ABCC5 -5.2940 0.0000 0.0013 2759713 HIVEP2 5.2865 0.0000 0.0013 2787962 SYMENSTGUG0000003396 5.2827 0.0000 0.0013 2787973 HIVEP2 5.2865 0.0000 0.0013 2788901 -5.2817 0.0000 0.0013 2789792 SYMENSTGUG00000003396 5.2827 0.0000 0.	2761518		-5.3470	0.0000	0.0012
2788781 5.3411 0.0000 0.0012 2762225 MAPK1IP1L -5.3373 0.0000 0.0012 2776532 TAF13 -5.3358 0.0000 0.0012 2788897 LPCAT1 -5.3305 0.0000 0.0012 2784218 ACVR2A -5.3180 0.0000 0.0012 276274 CXCL14 5.3188 0.0000 0.0012 276274 CXCL14 5.3188 0.0000 0.0012 2771140 5.5114 0.0000 0.0012 2760380 EGR1 5.2941 0.0000 0.0013 2759501 ABCC5 -5.2940 0.0000 0.0013 2775794 5.5007 0.0000 0.0013 2785751 HIVEP2 5.2865 0.0000 0.0013 2785762 SYMENSTGUG0000003396 5.2827 0.0000 0.0013 27860115 -5.2817 0.0000 0.0013 2785889 -5.2817 0.0000 0.0013 2781896 <td< td=""><td>2795936</td><td>PABPC1</td><td>-5.3444</td><td>0.0000</td><td>0.0012</td></td<>	2795936	PABPC1	-5.3444	0.0000	0.0012
2762225 MAPKIIPIL -5.3373 0.0000 0.0012 2776532 TAF13 -5.3358 0.0000 0.0012 2788987 LPCAT1 -5.3358 0.0000 0.0012 2784218 ACVR2A -5.3180 0.0000 0.0012 2762294 CXCL14 5.3108 0.0000 0.0012 2762294 CXCL14 5.3108 0.0000 0.0010 2760380 EGR1 5.5114 0.0000 0.0013 2769713 HIVEP2 5.5007 0.0000 0.0013 2795713 HIVEP2 5.2865 0.0000 0.0013 2787962 SYMENSTGUG0000003396 5.2827 0.0000 0.0013 2787972 SYMENSTGUG0000003396 5.2827 0.0000 0.0013 2787980 5.2827 0.0000 0.0013 2785733 KIAA1462 5.2714 0.0000 0.0013 2784594 NAPC2 5.2647 0.000 0.0013 278573 DAYAPC2 5.2647	2780227	C15ORF40	-5.3443	0.0000	0.0012
2776532 TAF13 -5.3358 0.0000 0.0012 2788987 LPCAT1 -5.3355 0.0000 0.0012 2784218 ACVR2A -5.3180 0.0000 0.0012 2764711 SIRT1 -5.3158 0.0000 0.0012 2762294 CXCL14 5.3108 0.0000 0.0012 2761300 EGR1 5.5114 0.0000 0.0013 2769301 ABCC5 -5.2940 0.0000 0.0013 2779713 HIVEP2 5.5007 0.0000 0.0013 2787962 SYMENSTGUG0000003396 5.2827 0.0000 0.0013 27879713 HIVEP2 5.2865 0.0000 0.0013 27879728 SYMENSTGUG0000003396 5.2827 0.0000 0.0013 27878969 SYMENSTGUG00000003396 5.2827 0.0000 0.0013 2768899 -5.2817 0.0000 0.0013 2781896 NR4A3 5.7404 0.0000 0.0013 2781896 NR4A3	2788781		5.3411	0.0000	0.0012
2788987 LPCAT1 -5.3305 0.0000 0.0012 2784218 ACVR2A -5.3180 0.0000 0.0012 2764711 SIRT1 -5.3158 0.0000 0.0012 2762294 CXCL14 5.3108 0.0000 0.0012 2760380 EGR1 5.2941 0.0000 0.0013 2759501 ABCC5 -5.2940 0.0000 0.0013 2770794 - 5.5007 0.0000 0.0013 2787962 SYMENSTGUG0000003396 5.2827 0.0000 0.0013 2780014 C8ORF76 -5.2817 0.0000 0.0013 2768899 -5.2817 0.0000 0.0013 2785858 KIAA1462 5.2714 0.0000 0.0013 27858969 NR4A3 5.7404 0.000 0.0013 278313 EGR1 5.2670 0.000 0.0013 2784693 DRP2 -5.2637 0.000 0.0013 2781896 NAAC2 -5.2467 0.000 </td <td>2762225</td> <td>MAPK1IP1L</td> <td>-5.3373</td> <td>0.0000</td> <td>0.0012</td>	2762225	MAPK1IP1L	-5.3373	0.0000	0.0012
2784218 ACVR2A -5.3180 0.0000 0.0012 2764711 SIRT1 -5.3158 0.0000 0.0012 2762294 CXCL14 5.3108 0.0000 0.0012 2771140 5.5114 0.0000 0.0013 2759501 ABCC5 -5.2940 0.0000 0.0013 2770794 5.5007 0.0000 0.0013 2785762 SYMENSTGUG00000003396 5.28265 0.0000 0.0013 2800014 C8ORF76 -5.2817 0.0000 0.0013 2768899 -5.2782 0.0000 0.0013 2785868 KIAA1462 5.2714 0.0000 0.0013 2781896 NR4A3 5.7404 0.0000 0.0013 2785891 EGRI 5.2670 0.0000 0.0013 2784093 SHROOM2 -5.2647 0.0000 0.0013 2785891 -5.263 0.0000 0.0013 2784917 NINL -5.2666 0.0000 0.0014 <td< td=""><td>2776532</td><td>TAF13</td><td>-5.3358</td><td>0.0000</td><td>0.0012</td></td<>	2776532	TAF13	-5.3358	0.0000	0.0012
2764711 SIRT1 -5.3158 0.0000 0.0012 2762294 CXCL14 5.3108 0.0000 0.0012 2771140 5.3114 0.0000 0.0013 2760380 EGR1 5.2941 0.0000 0.0013 2759501 ABCC5 -5.2940 0.0000 0.0013 27677794 5.5007 0.0000 0.0013 2787962 SYMENSTGUG00000003396 5.2827 0.0000 0.0013 2787962 SYMENSTGUG00000003396 5.2817 0.0000 0.0013 2780115 -5.2817 0.0000 0.0013 2766115 -5.2817 0.0000 0.0013 2782589 KIAA1462 5.2714 0.0000 0.0013 2781896 NR4A3 5.7404 0.0000 0.0013 2784989 -5.26782 0.0000 0.0013 2784093 SHROOM2 -5.2647 0.0000 0.0013 2784093 SHROOM2 -5.2626 0.0000 0.0014 27934	2788987	LPCAT1	-5.3305	0.0000	0.0012
2762294 CXCL14 5.3108 0.0000 0.0012 2771140 5.5114 0.0000 0.0010 2760380 EGR1 5.2941 0.0000 0.0013 2759501 ABCC5 5.2940 0.0000 0.0010 2770794 5.5007 0.0000 0.0013 2787962 SYMENSTGUG0000003396 5.2827 0.0000 0.0013 2760115 5.2817 0.0000 0.0013 2768899 -5.2782 0.0000 0.0013 2768899 -5.2782 0.0000 0.0013 2783513 EGR1 5.2714 0.0000 0.0013 2783513 EGR1 5.2670 0.0000 0.0013 2783513 EGR1 5.2670 0.0000 0.0013 2784969 ANAPC2 5.2647 0.0000 0.0013 2785969 ANAPC2 5.2660 0.0000 0.0013 2784049 RNP1 5.2666 0.0000 0.0014 2793414 RNF145	2784218	ACVR2A	-5.3180	0.0000	0.0012
2771140 5.5114 0.0000 0.0010 2760380 EGR1 5.2941 0.0000 0.0013 2759501 ABCC5 -5.2940 0.0000 0.0013 2770794 - 5.5007 0.0000 0.0013 2787962 SYMENSTGUG0000003396 5.2827 0.0000 0.0013 2800014 C8ORF76 -5.2817 0.0000 0.0013 2760115 -5.2782 0.0000 0.0013 2768899 -5.2782 0.0000 0.0013 2792589 KIAA1462 5.2714 0.0000 0.0013 2781896 NR4A3 5.7404 0.0000 0.0013 2785513 EGR1 5.2670 0.0000 0.0013 2789690 ANAPC2 -5.2647 0.0000 0.0013 2789693 BROOM2 -5.2667 0.0000 0.0013 2789694 ANAPC2 -5.2633 0.0000 0.0013 278951 NEP2 -5.2635 0.0000 0.0014 <	2764711	SIRT1	-5.3158	0.0000	0.0012
2760380 EGR1 5.2941 0.0000 0.0013 27795910 ABCC5 -5.2940 0.0000 0.0013 2770794 5.5007 0.0000 0.0010 2795713 HIVEP2 5.2865 0.0000 0.0013 2787962 SYMENSTGUG00000003396 5.2827 0.0000 0.0013 2800014 C8ORF76 -5.2817 0.0000 0.0013 2768899 -5.2782 0.0000 0.0013 2781896 NR4A3 5.7404 0.0000 0.0013 2781897 NR4A3 5.7404 0.0000 0.0013 2783513 EGR1 5.2670 0.0000 0.0013 2786493 DRP2 -5.2633 0.0000 0.0013 276493 SHROOM2 -5.2626 0.0000 0.0013 2789419 RNF145 -5.2535 0.0000 0.0014 2793419 NINL -5.2466 0.0000 0.0014 2793419 NINI -5.2468 0.0000 0.	2762294	CXCL14	5.3108	0.0000	0.0012
2759501 ABCC5 -5.2940 0.0000 0.0010 2779773 HIVEP2 5.5007 0.0000 0.0010 278762 SYMENSTGUG0000003396 5.2827 0.0000 0.0013 2800014 C8ORF76 -5.2817 0.0000 0.0013 2768899 -5.2817 0.0000 0.0013 2792589 KIAA1462 5.2714 0.0000 0.0013 2783513 EGR1 5.2670 0.0000 0.0013 2784693 DRP2 -5.2637 0.0000 0.0013 2784693 DRP2 -5.2647 0.0000 0.0013 2784693 DRP2 -5.2647 0.0000 0.0013 2784043 SHROOM2 -5.2626 0.0000 0.0013 2784049 RNF145 -5.2535 0.0000 0.0014 2793497 NINL -5.2468 0.0000 0.0014 2794917 NINL -5.2468 0.0000 0.0014 2785867 TRIM23 -5.2466 <td< td=""><td>2771140</td><td></td><td>5.5114</td><td>0.0000</td><td>0.0010</td></td<>	2771140		5.5114	0.0000	0.0010
2770794 5.5007 0.0000 0.0010 2785762 SYMENSTGUG0000003396 5.2865 0.0000 0.0013 2800014 C8ORF76 -5.2817 0.0000 0.0013 2760115 -5.2817 0.0000 0.0013 2768899 -5.2782 0.0000 0.0013 2781896 NR4A3 5.7404 0.0000 0.0013 2783513 EGR1 5.2670 0.0000 0.0013 2786990 ANAPC2 -5.2647 0.0000 0.0013 27864693 DRP2 -5.2633 0.0000 0.0013 2789490 ANAPC2 -5.2647 0.0000 0.0013 2784693 BRPQ -5.2626 0.0000 0.0013 2784991 -5.4696 0.0000 0.0014 2793419 RNF145 -5.2535 0.0000 0.0014 2793863 ATG12 -5.2477 0.0000 0.0014 2793875 TRIM23 -5.2466 0.0000 0.0014	2760380	EGR1	5.2941	0.0000	0.0013
2795713 HIVEP2 5.2865 0.0000 0.0013 2787962 SYMENSTGUG00000003396 5.2827 0.0000 0.0013 2800014 C8ORF76 -5.2817 0.0000 0.0013 2760115 -5.2782 0.0000 0.0013 2768899 -5.2782 0.0000 0.0013 2792589 KIAA1462 5.2714 0.0000 0.0013 2781896 NR4A3 5.7404 0.0000 0.0013 2783513 EGR1 5.2670 0.0000 0.0013 2784693 DRP2 -5.2637 0.0000 0.0013 2764493 BRPOM2 -5.2636 0.0000 0.0013 2778991 -5.4696 0.0000 0.0014 27934149 RNF145 -5.2535 0.0000 0.0014 2793407 NIL -5.2468 0.0000 0.0014 2793407 NIL -5.2468 0.0000 0.0014 2793863 ATG12 -5.2477 0.0000 0.0014	2759501	ABCC5	-5.2940	0.0000	0.0013
2787962 SYMENSTGUG00000003396 5.2827 0.0000 0.0013 2800014 C8ORF76 -5.2817 0.0000 0.0013 276817 0.0000 0.0013 2768899 -5.2782 0.0000 0.0013 278289 KIAA1462 5.2714 0.0000 0.0013 2781896 NR4A3 5.7404 0.0000 0.0008 2783513 EGR1 5.2670 0.0000 0.0013 2764693 DRP2 -5.2633 0.0000 0.0013 2764093 SHROM2 -5.2633 0.0000 0.0013 27934149 RNF145 -5.2535 0.0000 0.0014 2793863 ATG12 -5.2477 0.0000 0.0014 2793097 P4HA1 -5.2468 0.0000 0.0014 2785087 TRIM23 -5.2466 0.0000 0.0014 2785864 DDX3X 5.2442 0.0000 0.0014 2785864 DDX3X 5.2348 0.0000 0.0014 <t< td=""><td>2770794</td><td></td><td>5.5007</td><td>0.0000</td><td>0.0010</td></t<>	2770794		5.5007	0.0000	0.0010
2800014 C8ORF76 -5.2817 0.0000 0.0013 2760115 -5.2817 0.0000 0.0013 2768899 -5.2782 0.0000 0.0013 2792589 KIAA1462 5.2714 0.0000 0.0013 2781896 NR4A3 5.7404 0.0000 0.0018 2783513 EGR1 5.2670 0.0000 0.0013 2784693 DRP2 -5.2647 0.0000 0.0013 2764693 DRP2 -5.2633 0.0000 0.0013 2764493 SHROOM2 -5.2626 0.0000 0.0013 2784149 RNF145 -5.2535 0.0000 0.0014 2793863 ATG12 -5.2477 0.0000 0.0014 2794917 NINL -5.2468 0.0000 0.0014 2785087 TRIM23 -5.2466 0.0000 0.0014 2785087 TRIM23 -5.2466 0.0000 0.0014 2785087 TRIM23 -5.2460 0.0000 0.0014 </td <td>2795713</td> <td>HIVEP2</td> <td>5.2865</td> <td>0.0000</td> <td>0.0013</td>	2795713	HIVEP2	5.2865	0.0000	0.0013
2760115 -5.2817 0.0000 0.0013 2768899 -5.2782 0.0000 0.0013 2792589 KIAA1462 5.2714 0.0000 0.0013 2781896 NR4A3 5.7404 0.0000 0.0008 2783513 EGR1 5.2670 0.0000 0.0013 2786693 DRP2 -5.2633 0.0000 0.0013 2766493 DRP2 -5.2633 0.0000 0.0013 2778991 -5.4696 0.0000 0.0010 2794149 RNF145 -5.2535 0.0000 0.0014 2793863 ATG12 -5.2477 0.0000 0.0014 2793977 P4HA1 -5.2468 0.0000 0.0014 2793097 P4HA1 -5.2456 0.0000 0.0014 2785864 DDX3X 5.2348 0.0000 0.0014 2785864 DDX3X 5.2348 0.0000 0.0014 2785864 DDX3X 5.2348 0.0000 0.0014 <	2787962	SYMENSTGUG00000003396	5.2827	0.0000	0.0013
2768899 -5.2782 0.0000 0.0013 2792589 KIAA1462 5.2714 0.0000 0.0013 2781896 NR4A3 5.7404 0.0000 0.0008 2783513 EGR1 5.2670 0.0000 0.0013 2786990 ANAPC2 -5.2647 0.0000 0.0013 2764693 DRP2 -5.2633 0.0000 0.0013 2778991 -5.4696 0.0000 0.0010 2794149 RNF145 -5.2535 0.0000 0.0014 2793863 ATG12 -5.2477 0.0000 0.0014 2793097 P4HA1 -5.2468 0.0000 0.0014 2793097 P4HA1 -5.2451 0.0000 0.0014 2785864 DDX3X 5.2486 0.0000 0.0014 27858654 DDX3X 5.248 0.0000 0.0014 2786964 USP37 5.2442 0.0000 0.0014 278798 NUP188 -5.2197 0.0000 0.0014 278691 ZFYVE21 -5.2184 0.0000 0.0015 <td>2800014</td> <td>C8ORF76</td> <td>-5.2817</td> <td>0.0000</td> <td>0.0013</td>	2800014	C8ORF76	-5.2817	0.0000	0.0013
2768899 -5.2782 0.0000 0.0013 2792589 KIAA1462 5.2714 0.0000 0.0013 2781896 NR4A3 5.7404 0.0000 0.0008 2783513 EGR1 5.2670 0.0000 0.0013 2789690 ANAPC2 -5.2647 0.0000 0.0013 2760493 DRP2 -5.2633 0.0000 0.0013 2778991 -5.4696 0.0000 0.0010 2794149 RNF145 -5.2535 0.0000 0.0014 2793863 ATG12 -5.2477 0.0000 0.0014 279417 NINL -5.2468 0.0000 0.0014 2793097 P4HA1 -5.2468 0.0000 0.0014 2785087 TRIM23 -5.2466 0.0000 0.0014 2785864 DDX3X 5.2442 0.0000 0.0014 2785864 DDX3X 5.2348 0.0000 0.0014 278691 ZFYVE21 -5.2184 0.0000 0.0014	2760115		-5.2817	0.0000	0.0013
2792589 KIAA1462 5.2714 0.0000 0.0008 2781896 NR4A3 5.7404 0.0000 0.0008 2783513 EGR1 5.2670 0.0000 0.0013 2789690 ANAPC2 -5.2647 0.0000 0.0013 2760493 SHROOM2 -5.2626 0.0000 0.0013 2778991 -5.4696 0.0000 0.0014 2794149 RNF145 -5.2535 0.0000 0.0014 2793863 ATG12 -5.2477 0.0000 0.0014 2794917 NINL -5.2468 0.0000 0.0014 2793097 P4HA1 -5.2451 0.0000 0.0014 2793864 USP37 5.2442 0.0000 0.0014 2785864 DDX3X 5.2348 0.0000 0.0014 2785789 NUP188 -5.2197 0.0000 0.0014 2786511 ZFYVE21 -5.2184 0.0000 0.0014 2785887 SLC38A2 -5.2160 0.0000 </td <td>2768899</td> <td></td> <td></td> <td>0.0000</td> <td>0.0013</td>	2768899			0.0000	0.0013
2783513 EGR1 5.2670 0.0000 0.0013 2789690 ANAPC2 -5.2647 0.0000 0.0013 2764693 DRP2 -5.2633 0.0000 0.0013 2760493 SHROOM2 -5.2626 0.0000 0.0010 2778991 -5.4696 0.0000 0.0010 2794149 RNF145 -5.2535 0.0000 0.0014 2793863 ATG12 -5.2477 0.0000 0.0014 2794917 NINL -5.2468 0.0000 0.0014 2785087 TRIM23 -5.2466 0.0000 0.0014 2793097 P4HA1 -5.2451 0.0000 0.0014 2793097 P4HA1 -5.2442 0.0000 0.0014 2785864 DDX3X 5.2348 0.0000 0.0014 2769330 PTPRJ 5.2291 0.0000 0.0014 278798 NUP188 -5.2197 0.0000 0.0014 2786906 NUP88 -5.2160 0.0000 0.0015 2793887 SLC38A2 -5.2109 0.0000		KIAA1462		0.0000	0.0013
2783513 EGR1 5.2670 0.0000 0.0013 2789690 ANAPC2 -5.2647 0.0000 0.0013 2764693 DRP2 -5.2633 0.0000 0.0013 2760493 SHROOM2 -5.2626 0.0000 0.0010 2778991 -5.4696 0.0000 0.0010 2794149 RNF145 -5.2535 0.0000 0.0014 2793863 ATG12 -5.2477 0.0000 0.0014 2794917 NINL -5.2468 0.0000 0.0014 2785087 TRIM23 -5.2466 0.0000 0.0014 2793097 P4HA1 -5.2451 0.0000 0.0014 2793097 P4HA1 -5.2442 0.0000 0.0014 2785864 DDX3X 5.2348 0.0000 0.0014 2769330 PTPRJ 5.2291 0.0000 0.0014 278798 NUP188 -5.2197 0.0000 0.0014 2786906 NUP88 -5.2160 0.0000 0.0015 2793887 SLC38A2 -5.2109 0.0000					
2789690 ANAPC2 -5.2647 0.0000 0.0013 2764693 DRP2 -5.2633 0.0000 0.0013 2760493 SHROOM2 -5.2626 0.0000 0.0010 2778991 -5.4696 0.0000 0.0010 2794149 RNF145 -5.2535 0.0000 0.0014 2793863 ATG12 -5.2477 0.0000 0.0014 2794917 NINL -5.2468 0.0000 0.0014 2785087 TRIM23 -5.2466 0.0000 0.0014 2793097 P4HA1 -5.2451 0.0000 0.0014 276964 USP37 5.2442 0.0000 0.0014 2768584 DDX3X 5.2348 0.0000 0.0014 27678798 NUP188 -5.2197 0.0000 0.0014 2788798 NUP88 -5.2160 0.0000 0.0014 2761221 BSDC1 -5.2134 0.0000 0.0015 2793887 SLC38A2 -5.2109 0.0000 <td></td> <td></td> <td></td> <td></td> <td></td>					
2764693 DRP2 -5.2633 0.0000 0.0013 2760493 SHROOM2 -5.2626 0.0000 0.0010 2778991 -5.4696 0.0000 0.0010 2794149 RNF145 -5.2535 0.0000 0.0014 2793863 ATG12 -5.2477 0.0000 0.0014 2794917 NINL -5.2468 0.0000 0.0014 2785087 TRIM23 -5.2466 0.0000 0.0014 2793097 P4HA1 -5.2451 0.0000 0.0014 2769964 USP37 5.2442 0.0000 0.0014 2763330 PTPRJ 5.2291 0.0000 0.0014 2785864 DDX3X 5.2348 0.0000 0.0014 2785798 NUP188 -5.2197 0.0000 0.0014 2786511 ZFYVE21 -5.2184 0.0000 0.0014 2766521 BSDC1 -5.2134 0.0000 0.0015 2793887 SLC38A2 -5.2109 0.0000 <td></td> <td>ANAPC2</td> <td></td> <td></td> <td></td>		ANAPC2			
2760493 SHROOM2 -5.2626 0.0000 0.0010 2778991 -5.4696 0.0000 0.0010 2794149 RNF145 -5.2535 0.0000 0.0014 2793863 ATG12 -5.2477 0.0000 0.0014 2794917 NINL -5.2468 0.0000 0.0014 2785087 TRIM23 -5.2466 0.0000 0.0014 2793097 P4HA1 -5.2451 0.0000 0.0014 2769964 USP37 5.2442 0.0000 0.0014 2763330 PTPRJ 5.2291 0.0000 0.0014 278798 NUP188 -5.2197 0.0000 0.0014 2786511 ZFYVE21 -5.2184 0.0000 0.0014 2786906 NUP88 -5.2197 0.0000 0.0014 2793887 SLC38A2 -5.2190 0.0000 0.0015 2793887 SLC38A2 -5.2109 0.0000 0.0015 278599 RAB11FIP4 5.4126 0.0000 0.0015 27765635 NTRK2 5.2026 0.0000 <td></td> <td></td> <td></td> <td></td> <td></td>					
2778991 -5.4696 0.0000 0.0010 2794149 RNF145 -5.2535 0.0000 0.0014 2793863 ATG12 -5.2477 0.0000 0.0014 2794917 NINL -5.2468 0.0000 0.0014 2785087 TRIM23 -5.2466 0.0000 0.0014 2793097 P4HA1 -5.2451 0.0000 0.0014 2769964 USP37 5.2442 0.0000 0.0014 2785864 DDX3X 5.2348 0.0000 0.0014 2763330 PTPRJ 5.2291 0.0000 0.0014 278798 NUP188 -5.2197 0.0000 0.0014 2786906 NUP88 -5.2160 0.0000 0.0014 2761221 BSDC1 -5.2134 0.0000 0.0015 2793887 SLC38A2 -5.2109 0.0000 0.0015 2798599 RAB11FIP4 5.4126 0.0000 0.0015 276628 TMCC2 -5.2027 0.0000 0.0015 2791590 RBM14 -5.1994 0.0000				0.0000	0.0013
2793863 ATG12 -5.2477 0.0000 0.0014 2794917 NINL -5.2468 0.0000 0.0014 2785087 TRIM23 -5.2466 0.0000 0.0014 2793097 P4HA1 -5.2451 0.0000 0.0014 2769964 USP37 5.2442 0.0000 0.0014 2785864 DDX3X 5.2348 0.0000 0.0014 2763330 PTPRJ 5.2291 0.0000 0.0014 2778798 NUP188 -5.2197 0.0000 0.0014 2786511 ZFYVE21 -5.2184 0.0000 0.0014 2786906 NUP88 -5.2160 0.0000 0.0014 2793887 SLC38A2 -5.2134 0.0000 0.0015 2793887 SLC38A2 -5.2109 0.0000 0.0015 2798599 RAB11FIP4 5.4126 0.0000 0.0015 2776828 TMCC2 -5.2027 0.0000 0.0015 2791590 RBM14 -5.1994 0.0000 0.0015 2799568 -5.8331 0.0000	2778991		-5.4696	0.0000	0.0010
2793863 ATG12 -5.2477 0.0000 0.0014 2794917 NINL -5.2468 0.0000 0.0014 2785087 TRIM23 -5.2466 0.0000 0.0014 2793097 P4HA1 -5.2451 0.0000 0.0014 2769964 USP37 5.2442 0.0000 0.0014 2785864 DDX3X 5.2348 0.0000 0.0014 2763330 PTPRJ 5.2291 0.0000 0.0014 2778798 NUP188 -5.2197 0.0000 0.0014 2786511 ZFYVE21 -5.2184 0.0000 0.0014 2786906 NUP88 -5.2160 0.0000 0.0014 2761221 BSDC1 -5.2134 0.0000 0.0015 2793887 SLC38A2 -5.2109 0.0000 0.0015 2798599 RAB11FIP4 5.4126 0.0000 0.0015 2776828 TMCC2 -5.2027 0.0000 0.0015 2795590 RBM14 -5.1994 0.0000 0.0015 2799568 -5.8331 0.0000		RNF145		0.0000	0.0014
2785087 TRIM23 -5.2466 0.0000 0.0014 2793097 P4HA1 -5.2451 0.0000 0.0014 2769964 USP37 5.2442 0.0000 0.0014 2785864 DDX3X 5.2348 0.0000 0.0014 2763330 PTPRJ 5.2291 0.0000 0.0014 2778798 NUP188 -5.2197 0.0000 0.0014 2786511 ZFYVE21 -5.2184 0.0000 0.0014 2786906 NUP88 -5.2160 0.0000 0.0014 2761221 BSDC1 -5.2134 0.0000 0.0015 2793887 SLC38A2 -5.2109 0.0000 0.0015 2798599 RAB11FIP4 5.4126 0.0000 0.0015 2776828 TMCC2 -5.2027 0.0000 0.0015 2775590 CPNE1 -5.1994 0.0000 0.0015 2799568 -5.8331 0.0000 0.0015 2777791 LANCL1 -5.1908 0.0000 0.0015 2762738 -5.1870 0.0000 0.0015	2793863	ATG12	-5.2477	0.0000	0.0014
2793097 P4HA1 -5.2451 0.0000 0.0014 2769964 USP37 5.2442 0.0000 0.0014 2785864 DDX3X 5.2348 0.0000 0.0014 2763330 PTPRJ 5.2291 0.0000 0.0014 2778798 NUP188 -5.2197 0.0000 0.0014 2786511 ZFYVE21 -5.2184 0.0000 0.0014 2786906 NUP88 -5.2160 0.0000 0.0014 2761221 BSDC1 -5.2134 0.0000 0.0015 2793887 SLC38A2 -5.2109 0.0000 0.0015 2798599 RAB11FIP4 5.4126 0.0000 0.0015 2776828 TMCC2 -5.2027 0.0000 0.0015 2765635 NTRK2 5.2026 0.0000 0.0015 2791590 RBM14 -5.1994 0.0000 0.0015 2799568 -5.8331 0.0000 0.0015 2771791 LANCL1 -5.1908 0.0000 0.0015 2762738 -5.1823 0.0000 0.0015	2794917	NINL	-5.2468	0.0000	0.0014
2769964 USP37 5.2442 0.0000 0.0014 2785864 DDX3X 5.2348 0.0000 0.0014 2763330 PTPRJ 5.2291 0.0000 0.0014 2778798 NUP188 -5.2197 0.0000 0.0014 2786511 ZFYVE21 -5.2184 0.0000 0.0014 2786906 NUP88 -5.2160 0.0000 0.0014 2761221 BSDC1 -5.2134 0.0000 0.0015 2793887 SLC38A2 -5.2109 0.0000 0.0015 2798599 RAB11FIP4 5.4126 0.0000 0.0015 2776828 TMCC2 -5.2027 0.0000 0.0015 2776828 TMCC2 -5.2027 0.0000 0.0015 2791590 RBM14 -5.1994 0.0000 0.0015 2795590 CPNE1 -5.1984 0.0000 0.0015 2799568 -5.8331 0.0000 0.0015 2771791 LANCL1 -5.1908 0.0000 0.0015 2762738 -5.1823 0.0000 0.0015	2785087	TRIM23	-5.2466	0.0000	0.0014
2785864 DDX3X 5.2348 0.0000 0.0014 2763330 PTPRJ 5.2291 0.0000 0.0014 2778798 NUP188 -5.2197 0.0000 0.0014 2786511 ZFYVE21 -5.2184 0.0000 0.0014 2786906 NUP88 -5.2160 0.0000 0.0014 2761221 BSDC1 -5.2134 0.0000 0.0015 2793887 SLC38A2 -5.2109 0.0000 0.0015 2798599 RAB11FIP4 5.4126 0.0000 0.0011 2783778 SMEK2 5.2068 0.0000 0.0015 2776828 TMCC2 -5.2027 0.0000 0.0015 2791590 RBM14 -5.1994 0.0000 0.0015 279568 -5.1994 0.0000 0.0015 2799568 -5.8331 0.0000 0.0015 2762738 -5.1870 0.0000 0.0015 2762738 -5.1870 0.0000 0.0015 2791028 TTC33 5.1731 0.0000 0.0015 2769284	2793097	P4HA1	-5.2451	0.0000	0.0014
2763330 PTPRJ 5.2291 0.0000 0.0014 2778798 NUP188 -5.2197 0.0000 0.0014 2786511 ZFYVE21 -5.2184 0.0000 0.0014 2786906 NUP88 -5.2160 0.0000 0.0014 2761221 BSDC1 -5.2134 0.0000 0.0015 2793887 SLC38A2 -5.2109 0.0000 0.0015 2798599 RAB11FIP4 5.4126 0.0000 0.0011 2783778 SMEK2 5.2068 0.0000 0.0015 2776828 TMCC2 -5.2027 0.0000 0.0015 2791590 RBM14 -5.1994 0.0000 0.0015 2799568 -5.1984 0.0000 0.0015 2799568 -5.8331 0.0000 0.0015 2762738 -5.1870 0.0000 0.0015 2766676 ORC5L -5.1823 0.0000 0.0015 2791028 TTC33 5.1731 0.0000 0.0015 2769284 BPGM -5.1725 0.0000 0.0015 </td <td>2769964</td> <td>USP37</td> <td>5.2442</td> <td>0.0000</td> <td>0.0014</td>	2769964	USP37	5.2442	0.0000	0.0014
2778798 NUP188 -5.2197 0.0000 0.0014 2786511 ZFYVE21 -5.2184 0.0000 0.0014 2786906 NUP88 -5.2160 0.0000 0.0014 2761221 BSDC1 -5.2134 0.0000 0.0015 2793887 SLC38A2 -5.2109 0.0000 0.0015 2798599 RAB11FIP4 5.4126 0.0000 0.0011 2783778 SMEK2 5.2068 0.0000 0.0015 2776828 TMCC2 -5.2027 0.0000 0.0015 2765635 NTRK2 5.2026 0.0000 0.0015 2791590 RBM14 -5.1994 0.0000 0.0015 2799568 -5.8331 0.0000 0.0005 2771791 LANCL1 -5.1908 0.0000 0.0015 2762738 -5.1870 0.0000 0.0015 2766676 ORC5L -5.1823 0.0000 0.0015 2791028 TTC33 5.1731 0.0000 0.0015 2769284 BPGM -5.1725 0.0000 0.0015	2785864	DDX3X	5.2348	0.0000	0.0014
2786511 ZFYVE21 -5.2184 0.0000 0.0014 2786906 NUP88 -5.2160 0.0000 0.0014 2761221 BSDC1 -5.2134 0.0000 0.0015 2793887 SLC38A2 -5.2109 0.0000 0.0015 2798599 RAB11FIP4 5.4126 0.0000 0.0011 2783778 SMEK2 5.2068 0.0000 0.0015 2765828 TMCC2 -5.2027 0.0000 0.0015 2791590 RBM14 -5.1994 0.0000 0.0015 27795968 -5.1984 0.0000 0.0015 2799568 -5.8331 0.0000 0.0015 2771791 LANCL1 -5.1908 0.0000 0.0015 2762738 -5.1870 0.0000 0.0015 2766676 ORC5L -5.1823 0.0000 0.0015 2791028 TTC33 5.1731 0.0000 0.0015 2769284 BPGM -5.1725 0.0000 0.0015	2763330	PTPRJ	5.2291	0.0000	0.0014
2786906 NUP88 -5.2160 0.0000 0.0014 2761221 BSDC1 -5.2134 0.0000 0.0015 2793887 SLC38A2 -5.2109 0.0000 0.0015 2798599 RAB11FIP4 5.4126 0.0000 0.0011 2783778 SMEK2 5.2068 0.0000 0.0015 2776828 TMCC2 -5.2027 0.0000 0.0015 2791590 RBM14 -5.1994 0.0000 0.0015 2775590 CPNE1 -5.1984 0.0000 0.0015 2799568 -5.8331 0.0000 0.0006 2771791 LANCL1 -5.1908 0.0000 0.0015 2762738 -5.1870 0.0000 0.0015 2766676 ORC5L -5.1823 0.0000 0.0015 2791028 TTC33 5.1731 0.0000 0.0015 2769284 BPGM -5.1725 0.0000 0.0015	2778798	NUP188	-5.2197	0.0000	0.0014
2761221 BSDC1 -5.2134 0.0000 0.0015 2793887 SLC38A2 -5.2109 0.0000 0.0015 2798599 RAB11FIP4 5.4126 0.0000 0.0011 2783778 SMEK2 5.2068 0.0000 0.0015 2776828 TMCC2 -5.2027 0.0000 0.0015 2791590 RBM14 -5.1994 0.0000 0.0015 2779590 CPNE1 -5.1984 0.0000 0.0015 2799568 -5.8331 0.0000 0.0006 2771791 LANCL1 -5.1908 0.0000 0.0015 2762738 -5.1870 0.0000 0.0015 2791028 TTC33 5.1731 0.0000 0.0015 2769284 BPGM -5.1725 0.0000 0.0015	2786511	ZFYVE21	-5.2184	0.0000	0.0014
2793887 SLC38A2 -5.2109 0.0000 0.0015 2798599 RAB11FIP4 5.4126 0.0000 0.0011 2783778 SMEK2 5.2068 0.0000 0.0015 2776828 TMCC2 -5.2027 0.0000 0.0015 2765635 NTRK2 5.2026 0.0000 0.0015 2791590 RBM14 -5.1994 0.0000 0.0015 2779568 -5.1984 0.0000 0.0015 2799568 -5.8331 0.0000 0.0015 2762738 -5.1908 0.0000 0.0015 2766676 ORC5L -5.1823 0.0000 0.0015 2791028 TTC33 5.1731 0.0000 0.0015 2769284 BPGM -5.1725 0.0000 0.0015	2786906	NUP88	-5.2160	0.0000	0.0014
2798599 RAB11FIP4 5.4126 0.0000 0.0011 2783778 SMEK2 5.2068 0.0000 0.0015 2776828 TMCC2 -5.2027 0.0000 0.0015 2765635 NTRK2 5.2026 0.0000 0.0015 2791590 RBM14 -5.1994 0.0000 0.0015 2775590 CPNE1 -5.1984 0.0000 0.0015 2799568 -5.8331 0.0000 0.0006 2771791 LANCL1 -5.1908 0.0000 0.0015 2762738 -5.1870 0.0000 0.0015 2766676 ORC5L -5.1823 0.0000 0.0015 2791028 TTC33 5.1731 0.0000 0.0015 2769284 BPGM -5.1725 0.0000 0.0015	2761221	BSDC1	-5.2134	0.0000	0.0015
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2793887	SLC38A2	-5.2109	0.0000	0.0015
2776828 TMCC2 -5.2027 0.0000 0.0015 2765635 NTRK2 5.2026 0.0000 0.0015 2791590 RBM14 -5.1994 0.0000 0.0015 2775590 CPNE1 -5.1984 0.0000 0.0015 2799568 -5.8331 0.0000 0.0006 2771791 LANCL1 -5.1908 0.0000 0.0015 2762738 -5.1870 0.0000 0.0015 2766676 ORC5L -5.1823 0.0000 0.0015 2791028 TTC33 5.1731 0.0000 0.0015 2769284 BPGM -5.1725 0.0000 0.0015	2798599	RAB11FIP4	5.4126	0.0000	0.0011
2765635 NTRK2 5.2026 0.0000 0.0015 2791590 RBM14 -5.1994 0.0000 0.0015 2775590 CPNE1 -5.1984 0.0000 0.0015 2799568 -5.8331 0.0000 0.0006 2771791 LANCL1 -5.1908 0.0000 0.0015 2762738 -5.1870 0.0000 0.0015 2766676 ORC5L -5.1823 0.0000 0.0015 2791028 TTC33 5.1731 0.0000 0.0015 2769284 BPGM -5.1725 0.0000 0.0015	2783778	SMEK2	5.2068	0.0000	0.0015
2791590 RBM14 -5.1994 0.0000 0.0015 2775590 CPNE1 -5.1984 0.0000 0.0015 2799568 -5.8331 0.0000 0.0006 2771791 LANCL1 -5.1908 0.0000 0.0015 2762738 -5.1870 0.0000 0.0015 2766676 ORC5L -5.1823 0.0000 0.0015 2791028 TTC33 5.1731 0.0000 0.0015 2769284 BPGM -5.1725 0.0000 0.0015	2776828	TMCC2	-5.2027	0.0000	0.0015
2775590 CPNE1 -5.1984 0.0000 0.0015 2799568 -5.8331 0.0000 0.0006 2771791 LANCL1 -5.1908 0.0000 0.0015 2762738 -5.1870 0.0000 0.0015 2766676 ORC5L -5.1823 0.0000 0.0015 2791028 TTC33 5.1731 0.0000 0.0015 2769284 BPGM -5.1725 0.0000 0.0015	2765635	NTRK2	5.2026	0.0000	0.0015
2799568 -5.8331 0.0000 0.0006 2771791 LANCL1 -5.1908 0.0000 0.0015 2762738 -5.1870 0.0000 0.0015 2766676 ORC5L -5.1823 0.0000 0.0015 2791028 TTC33 5.1731 0.0000 0.0015 2769284 BPGM -5.1725 0.0000 0.0015	2791590	RBM14	-5.1994	0.0000	0.0015
2799568 -5.8331 0.0000 0.0006 2771791 LANCL1 -5.1908 0.0000 0.0015 2762738 -5.1870 0.0000 0.0015 2766676 ORC5L -5.1823 0.0000 0.0015 2791028 TTC33 5.1731 0.0000 0.0015 2769284 BPGM -5.1725 0.0000 0.0015					
2771791 LANCL1 -5.1908 0.0000 0.0015 2762738 -5.1870 0.0000 0.0015 2766676 ORC5L -5.1823 0.0000 0.0015 2791028 TTC33 5.1731 0.0000 0.0015 2769284 BPGM -5.1725 0.0000 0.0015	2799568				
2762738 -5.1870 0.0000 0.0015 2766676 ORC5L -5.1823 0.0000 0.0015 2791028 TTC33 5.1731 0.0000 0.0015 2769284 BPGM -5.1725 0.0000 0.0015	2771791	LANCL1			
2766676 ORC5L -5.1823 0.0000 0.0015 2791028 TTC33 5.1731 0.0000 0.0015 2769284 BPGM -5.1725 0.0000 0.0015					
2791028 TTC33 5.1731 0.0000 0.0015 2769284 BPGM -5.1725 0.0000 0.0015		ORC5L			
$2769284 \text{BPGM} \qquad \qquad -5.1725 \ 0.0000 \qquad \ 0.0015$					

	gene_symbols	t	P.Value	adj.P.Val
0700005				
2790205	AGTPBP1	5.1668	0.0000	0.0015
2781017	C2ORF44	-5.7834	0.0000	0.0007
2766933	FOSL2	5.1505	0.0000	0.0016
2771023		5.1455	0.0000	0.0016
2791183	PELI1	5.1451	0.0000	0.0016
2758601	PTPRR	-5.1444	0.0000	0.0016
2758022	PAM	5.1437	0.0000	0.0016
2782601	TET2	5.1424	0.0000	0.0016
2785977		-5.1414	0.0000	0.0016
2776367	DLG3	5.1397	0.0000	0.0016
2781399	SFPQ	5.1396	0.0000	0.0016
2759852	TRIP13	-5.1387	0.0000	0.0016
2789433		-5.7569	0.0000	0.0007
2765876	GBAS	-5.7562	0.0000	0.0007
2799313	NTRK2	5.1350	0.0000	0.0016
2785358	EIF2AK3	-5.1340	0.0000	0.0016
2789183	SERTAD2	5.1338	0.0000	0.0016
2770625	TRIM36-1	-5.1322	0.0000	0.0016
2764626	JARID2	-5.1300	0.0000	0.0016
2767927	CUGBP2-1	5.1284	0.0000	0.0016
2784768	ANKS3	-5.1280	0.0000	0.0016
2790899	SETBP1	5.1248	0.0000	0.0016
2776868	EGR2	5.1147	0.0000	0.0017
2764795	ISL1	5.1141	0.0000	0.0017
2770904	DDX18	5.1107	0.0000	0.0017
2772859	SLC25A25	5.1097	0.0000	0.0017
2757971	GBAS	-5.7221	0.0000	0.0007
2778230	HINT3	-5.1057	0.0000	0.0017
2795259	EGR1	5.1037	0.0000	0.0017
2784175	RAB11FIP4	5.2952	0.0000	0.0014
2780198	KCNC1	-5.2905	0.0000	0.0014
2799219	HS3ST4	-5.0969	0.0000	0.0017
2778389	EGR1	5.0959	0.0000	0.0017
2791016	MEA1	-5.0955	0.0000	0.0017
2793447	C1ORF57	-5.0910	0.0000	0.0017
2774782		-5.0909	0.0000	0.0017
2766314	PSPC1	5.0867	0.0000	0.0017
2775938	SYMENSTGUG00000017606	-5.0861	0.0000	0.0017
2762629		5.0814	0.0000	0.0017
2763017	HMGB3	-5.0736	0.0000	0.0018
2776710	UPRT	-5.0730	0.0000	0.0018
2784060	ASAP1	5.0685	0.0000	0.0018
2781138	TXNDC12	-5.0642	0.0000	0.0018
2766842	1111.15 012	-5.0629	0.0000	0.0018
2791372	DEK	-5.2433	0.0000	0.0015
2780630	KCNAB2	-5.0391	0.0000	0.0019
2763570	ANAPC13	-5.0382	0.0000	0.0019
2776390	TET2	5.0378	0.0000	0.0019
2761140	ZBTB17	5.0378 5.0372	0.0000	0.0019
2787029	201011	-5.2215	0.0000	0.0015
2796466	DCLK1	5.0348	0.0000	0.0019
2784506	REV3L	-5.2155	0.0000	0.0019
4104000	TOD A OD	-0.2100	0.0000	0.0019

	gene_symbols	t	P.Value	adj.P.Val
2799759	EGR1	5.0269	0.0000	0.0019
2760709	LRRTM1	-5.0265	0.0000	0.0019
2781345	GSTO1	-5.0260	0.0000	0.0019
2790713	DUSP6	5.0220	0.0000	0.0019
2798375	KCNC1	-5.0217	0.0000	0.0019
2773512	CUGBP2-1	5.0136	0.0000	0.0020
2779351	TRIM37	5.0124	0.0000	0.0020
2778938	ABCC5	-5.0093	0.0000	0.0020
2766259		-5.0093	0.0000	0.0020
2792710	FSCN1	-5.0045	0.0000	0.0020
2779726	VPS39	-5.0023	0.0000	0.0020
2797698	TRIM9	4.9971	0.0000	0.0020
2787300	TMEM123	-5.1750	0.0000	0.0016
2776778	SUB1	4.9839	0.0000	0.0021
2788989	GDAP1	-4.9827	0.0000	0.0021
2793033	PPP2CA	4.9812	0.0000	0.0021
2793725		-4.9779	0.0000	0.0021
2763494	RYBP	-4.9767	0.0000	0.0021
2777527	PTPN9	5.1513	0.0000	0.0017
2766441	GSTO1	-5.1484	0.0000	0.0017
2788137	ILK	-4.9653	0.0000	0.0021
2759489	UNC80	-4.9641	0.0000	0.0021
2776693	RRP9	4.9570	0.0000	0.0022
2778345	CXCL14	4.9560	0.0000	0.0022
2785723	TCTE1	-4.9489	0.0000	0.0022
2799153		-4.9472	0.0000	0.0022
2777802		-5.5096	0.0000	0.0010
2779689	BZW2	4.9427	0.0000	0.0022
2787101	TET2	4.9417	0.0000	0.0022
2797439	RPS6KA6	4.9414	0.0000	0.0022
2768243	CPEB1	-4.9394	0.0000	0.0022
2775630	RAB4A	-4.9277	0.0000	0.0023
2792108	CCDC53	-5.4862	0.0000	0.0010
2783512	MCAT	-4.9259	0.0000	0.0023
2757294	PPIG	4.9254	0.0000	0.0023
2772008	SLMO1	5.0962	0.0000	0.0018
2779605	C9ORF89	-4.9208	0.0000	0.0023
2777316	XP 002200388.1	-4.9207	0.0000	0.0023
2762698	SGSM2	4.9115	0.0000	0.0024
2757463	DCLK1	4.9090	0.0000	0.0024
2790019	SLC25A25	4.9075	0.0000	0.0024
2765597	FBXW11	-4.9061	0.0000	0.0024
2784323	NETO1	4.8987	0.0001	0.0024
2765138	EIF2C3	4.8980	0.0001	0.0024
2791651	CDC2L6	-4.8921	0.0001	0.0024
2795403	UBFD1	-5.4403	0.0000	0.0011
2765330		5.0595	0.0000	0.0020
2765280	KLC4	-4.8862	0.0001	0.0025
2794916	IRS2	4.8849	0.0001	0.0025
2795281	SMPD3	-4.8847	0.0001	0.0025
2771546	-	5.0511	0.0000	0.0020
2784956	ACTA2	4.8772	0.0001	0.0025
		2.0.12	J.JUU1	5.00 2 0

	gene_symbols	t	P.Value	adj.P.Val
2784593	IRS4	-4.8753	0.0001	0.0025
2793695		-4.8709	0.0001	0.0025
2792060	WNK1	4.8697	0.0001	0.0025
2795822	RBM14	-4.8692	0.0001	0.0025
2795022	CREM	4.8691	0.0001	0.0025
2761950		-4.8662	0.0001	0.0025
2792280	KIAA0652	-4.8659	0.0001	0.0025
2761589	PLK2	4.8649	0.0001	0.0025
2773061	SF3B14	-4.8648	0.0001	0.0025
2778224		-4.8627	0.0001	0.0025
2792167	INO80C	-4.8613	0.0001	0.0025
2762777	FBXO21	-4.8611	0.0001	0.0025
2784178	TRAPPC10	-4.8601	0.0001	0.0025
2780362	RAC3	-4.8576	0.0001	0.0026
2797472	PROSC	-4.8542	0.0001	0.0026
2768730	IRS2	4.8537	0.0001	0.0026
2792667		-4.8511	0.0001	0.0026
2775598	BAIAP2	4.8482	0.0001	0.0026
2762128	DNAJB5	4.8443	0.0001	0.0026
2774097	NLK	4.8431	0.0001	0.0026
2758217		-4.8415	0.0001	0.0026
2788506	PLEKHA3	-4.8411	0.0001	0.0026
2780095	JHDM1D	5.0086	0.0000	0.0021
2757981	NTRK2	4.8384	0.0001	0.0026
2798063	ETF1	4.8344	0.0001	0.0027
2799855	KIAA1462	4.8322	0.0001	0.0027
2792713	PTPN9	4.9936	0.0000	0.0022
2761494	MCAT	-4.8239	0.0001	0.0027
2772623	ACTB	4.8239	0.0001	0.0027
2761150	ZBTB8OS	-4.8213	0.0001	0.0027
2793201	TELO2	-4.8201	0.0001	0.0027
2778756		-4.8187	0.0001	0.0027
2769109	SOX11	-4.8151	0.0001	0.0027
2758261		4.8138	0.0001	0.0027
2769608	FBXO7	-4.8127	0.0001	0.0027
2757108	DHDDS	4.8079	0.0001	0.0028
2790865	MRAS	-4.8027	0.0001	0.0028
2783737	FNDC4	-4.7966	0.0001	0.0028
2758693	DBC1	4.7952	0.0001	0.0029
2775585	MKL1	4.7884	0.0001	0.0029
2764391	CREM	4.7860	0.0001	0.0029
2798876	DLG3	4.7857	0.0001	0.0029
2773636	ARPP19	4.7815	0.0001	0.0029
2778885	KIAA0895L	-4.7808	0.0001	0.0029
2791199	CUGBP2-1	4.7803	0.0001	0.0029
2770721	C5ORF41	-4.7794	0.0001	0.0029
2770621	WNT5A	-5.5123	0.0000	0.0011
2783429	TMEM111	-4.7752	0.0001	0.0029
2759705	BBX	-4.7727	0.0001	0.0030
2761770	EGDo	-4.7703	0.0001	0.0030
2786357	EGR2	4.7685	0.0001	0.0030
2759761	TRIM9	4.7678	0.0001	0.0030

	gene_symbols	t	P.Value	adj.P.Val
2763130	NPDC1	-4.7652	0.0001	0.0030
2759201	ACTR3	4.7646	0.0001	0.0030
2770783	FOXO3	-4.7635	0.0001	0.0030
2794530	TLN2	4.7631	0.0001	0.0030
2777718		-4.7576	0.0001	0.0030
2778070	AQP7	-4.7546	0.0001	0.0030
2785518	B5FZ53 TAEGU	-4.7527	0.0001	0.0030
2781397	TTC38	-4.7475	0.0001	0.0031
2791346	TTC32	-4.7467	0.0001	0.0031
2799537	BCL9L	-4.9013	0.0001	0.0025
2781032	CDH11	4.7402	0.0001	0.0031
2797086	MED9	-4.7382	0.0001	0.0031
2765294	DIP2C	4.7359	0.0001	0.0031
2784095	CDK8	4.7352	0.0001	0.0031
2763318	CUL4B	-4.7326	0.0001	0.0032
2763895	NFE2L2	-4.7252	0.0001	0.0032
2779508	PCDH19	-4.7239	0.0001	0.0032
2766632		-5.2241	0.0000	0.0015
2760814	LGR4	-4.7206	0.0001	0.0032
2788543		-4.7184	0.0001	0.0032
2795117	KCNC1	-4.7173	0.0001	0.0033
2781439	KIAA1462	4.7149	0.0001	0.0033
2772114	ABL2	-4.7149	0.0001	0.0033
2773979	DDX3X	4.7083	0.0001	0.0033
2799751	SPAST	-4.7078	0.0001	0.0033
2792392	SNX4	-4.7073	0.0001	0.0033
2761497	CPSF6	4.7012	0.0001	0.0033
2758076	AGFG1	-4.6984	0.0001	0.0034
2791765	PELI1	4.6944	0.0001	0.0034
2799343	I EEII	4.6908	0.0001	0.0034
2766443	ETV3	4.6892	0.0001	0.0034
2760265	XKR8	-4.6855	0.0001	0.0034
2796738	CRYL1	-4.6853	0.0001	0.0034
2774636	CIVIEI	4.6853	0.0001	0.0034
2760646	LRRC4C	4.6837	0.0001	0.0034
2769575		-4.6812	0.0001	0.0035
2783549	SGK1	-4.6803	0.0001	0.0035
2785314	ANKMY2	4.6801	0.0001	0.0035
2759618	GRAMD1B	4.6798	0.0001	0.0035
2767192	GIGINIDIB	-4.6769	0.0001	0.0035
2778881	SYMENSTGUG00000011132	4.6717	0.0001	0.0035
2773479	RUNX1T1	-4.8230	0.0001	0.0029
2796733	1001020111	-4.6706	0.0001	0.0025
2786275		-4.6689	0.0001	0.0035
2788225	DDX3X	$\frac{-4.0089}{4.6668}$	0.0001	0.0035
2797162	TRIM37	4.6647	0.0001	0.0035 0.0035
2758083	SLC9A7	-4.6597	0.0001	0.0036
2779757	DLGAP2	$\frac{-4.6597}{4.6594}$	0.0001	0.0036
2773975	DDX3X	4.6578	0.0001	0.0036
2788769	BSDC1	-4.6562	0.0001	0.0036
2788157	OSBPL6	-4.0502 4.6551	0.0001	0.0036
2789568	ODDI EU	-4.6536	0.0001	0.0036
Z109008		-4.0550	0.0001	0.0036

	gene_symbols	t	P.Value	adj.P.Val
2762143		-4.6514	0.0001	0.0036
2767847	KLHL12	-4.6500	0.0001	0.0036
2768240	ST3GAL3	-4.6494	0.0001	0.0036
2791315	CABC1	-4.6491	0.0001	0.0036
2773782	MPPE1	-4.6465	0.0001	0.0036
2768709		-4.6450	0.0001	0.0036
2772105	CDK2AP1	-4.6446	0.0001	0.0036
2796631	UPB1	-4.6445	0.0001	0.0036
2781859	C1ORF144	-4.6404	0.0001	0.0036
2778393	C19ORF44	-5.1191	0.0000	0.0018
2779202	MBNL1	-4.6367	0.0001	0.0037
2771417	YPEL2	-4.6343	0.0001	0.0037
2762806	PDCD4	-4.6331	0.0001	0.0037
2765008		4.6307	0.0001	0.0037
2757547	ARC	4.7776	0.0001	0.0031
2799179	STRADB	-4.6283	0.0001	0.0037
2794775	TCF20	-4.6253	0.0001	0.0037
2767369		4.6142	0.0001	0.0038
2790740	PNLDC1	-4.6138	0.0001	0.0038
2763593	ERMP1	-4.6136	0.0001	0.0038
2784274	TMEM5	-4.6122	0.0001	0.0038
2759848	PTDSS1	-4.6120	0.0001	0.0038
2766043		4.6101	0.0001	0.0038
2791267	KCNC1	-4.6095	0.0001	0.0038
2792545	METTL9	-4.6064	0.0001	0.0039
2773908	ARPP19	4.6054	0.0001	0.0039
2790296		-4.6043	0.0001	0.0039
2778643	PPP3CA	-4.6026	0.0001	0.0039
2791729	DNAJB5	4.6001	0.0001	0.0039
2774949		4.5997	0.0001	0.0039
2768655	DUSP5	4.5971	0.0001	0.0039
2760601	DIP2C	4.5952	0.0001	0.0039
2777674	HEXDC	-4.5925	0.0001	0.0039
2798598	DNAJB5	4.5903	0.0001	0.0039
2760980	CDAN1	-4.5902	0.0001	0.0039
2771419	CEBPZ	-4.5896	0.0001	0.0039
2787096	SOD1	-4.5844	0.0001	0.0040
2766488	RANBP2	4.5814	0.0001	0.0040
2762406	DIIGGO	-4.5771	0.0001	0.0040
2776476	RUSC2	-4.5746	0.0001	0.0040
2787309	SUB1	4.5739	0.0001	0.0040
2771712	FAR1	-4.5727	0.0001	0.0041
2785966	CNNM1	-4.5694	0.0001	0.0041
2764704	SAMD14	-4.5595	0.0001	0.0042
2774870	SLC38A7	-4.5578	0.0001	0.0042
2769510	RUFY3	-4.5575	0.0001	0.0042
2763398	SYT4	4.5544	0.0001	0.0042
2768113	BOC	4.5517	0.0001	0.0042
2765011	ARHGEF18	-4.5509 5.0000	0.0001	0.0042
2772555	DDX26B	-5.0099 4.5489	0.0000	0.0021
2759463	SHC3 GABBR2	4.5482	0.0001 0.0001	0.0042 0.0042
2784875	GADDR2	-4.5482	0.0001	0.0042

	gene_symbols	t	P.Value	adj.P.Val
2775794	MAPK1IP1L	-4.5468	0.0001	0.0042
2787743	R3HDM1	4.5415	0.0001	0.0043
2788342	XKR8	-4.5406	0.0001	0.0043
2781112	TCF20	-4.5379	0.0001	0.0043
2798679	GAD2	4.5373	0.0001	0.0043
2792951		-4.6776	0.0001	0.0036
2788173	CUGBP2	4.5343	0.0001	0.0043
2775355	R3HDM1	4.5342	0.0001	0.0043
2775836	TMEM97	4.5319	0.0001	0.0043
2797912		4.6720	0.0001	0.0037
2763953	TAGLN	4.6674	0.0001	0.0037
2774454	TIMM9	-4.5253	0.0001	0.0044
2790025	C10ORF104	-4.9673	0.0000	0.0023
2789471	SMEK2	4.5129	0.0001	0.0045
2789273	SLC38A7	-4.5103	0.0001	0.0046
2791294	CHD9	4.5094	0.0001	0.0046
2792752		-4.5074	0.0001	0.0046
2782094	C13ORF37	-4.5067	0.0001	0.0046
2767539	LOC415511	4.5052	0.0001	0.0046
2759373	UBXN4	4.5051	0.0001	0.0046
2780628		-4.5048	0.0001	0.0046
2796879	SOD1	-4.5044	0.0001	0.0046
2789277	EZH1	-4.5024	0.0001	0.0046
2768028		4.6401	0.0001	0.0039
2784083	SYBL1	-4.5018	0.0001	0.0046
2798999	MBNL2	4.4966	0.0001	0.0046
2757233	YARS	-4.4960	0.0001	0.0046
2797742		-4.4949	0.0001	0.0046
2764661	FAM173B	-4.4943	0.0001	0.0046
2787814	SETMAR	-4.4932	0.0001	0.0046
2760896	MRPL23	-4.4916	0.0001	0.0046
2782046	RYBP	-4.4877	0.0001	0.0047
2766566	LRRC4C	4.6197	0.0001	0.0040
2796267	TDP1	-4.4818	0.0001	0.0047
2761846	FAM65A	-4.4816	0.0001	0.0047
2797297	SLC35F4	-4.4809	0.0001	0.0047
2766821	FBXW7	4.4787	0.0001	0.0047
2796246	NR4A1	4.6135	0.0001	0.0040
2771785	RNPC3	-4.4769	0.0001	0.0048
2782184	NFKBIE	-4.4727	0.0001	0.0048
2775871	KPNA4	-4.4719	0.0002	0.0048
2779151	EFNB1	4.6069	0.0002	0.0041
2786794	CFH	-4.4703	0.0001	0.0041
2758839	A2BP1	-4.4688	0.0002	0.0048
2783844	UBASH3B	4.4623	0.0002 0.0002	0.0048
2776711	ODMORIOD	-4.4584	0.0002 0.0002	0.0049
2785874	BZW2	$\frac{-4.4564}{4.4560}$	0.0002 0.0002	0.0049 0.0050
2762966	DUVVA	4.4500 4.5868	0.0002 0.0001	0.0030 0.0042
2763987		-4.4524	0.0001 0.0002	0.0042 0.0050
2786530	BAIAP2	-4.4524 4.4518	0.0002 0.0002	0.0050
	ZC3H7B			
2795481		-4.4514 4.5945	0.0002	0.0050
2791058	PEX14	-4.5845	0.0001	0.0042

	gene_symbols	t	P.Value	adj.P.Val
2799624	ACOX1	-4.4507	0.0002	0.0050
2770852	RALGAPB	4.4494	0.0002	0.0050
2796227	RTCD1	4.4454 4.4452	0.0002	0.0050
2762561	DDX3X	4.4432 4.4430	0.0002	0.0050
2779780	ADRM1	4.4430 4.4421	0.0002 0.0002	0.0051 0.0051
2791461	RBM16	4.4421 4.4421	0.0002 0.0002	0.0051 0.0051
2761205	CKB	-4.4412	0.0002	0.0051
2782807	LRRC4C	4.4382	0.0002	0.0051 0.0051
2759764	MAPK10	-4.4381	0.0002	0.0051 0.0051
2783899	DHDDS	$\frac{-4.4361}{4.4371}$	0.0002 0.0002	0.0051 0.0051
2794669	GRM4	-4.4344	0.0002	0.0051 0.0051
2794009	GnM4	-4.4344 4.4344	0.0002 0.0002	0.0051 0.0051
2764277	ACVR1B	-4.4339	0.0002 0.0002	0.0051 0.0051
2758674	KCNAB2	-4.4318	0.0002 0.0002	0.0051 0.0051
2794595	ARL4C	-4.4318 4.4316	0.0002 0.0002	0.0051 0.0051
2794393	TCF12	-4.4289	0.0002 0.0002	0.0051 0.0051
2773748	NAA25	-4.4289 4.4283	0.0002 0.0002	0.0051 0.0051
2790055	NAA29	4.4265 4.4247		0.0051 0.0052
			0.0002	
2790165	SIK2	-4.8532	$0.0001 \\ 0.0002$	0.0027
2788930	SGK1	4.4219		0.0052
2787447		-4.5527 -4.4170	0.0001 0.0002	0.0045
2798729	TBC1D9B			0.0053
2760067	TIMM22	-4.4169	0.0002	0.0053
2792651	SYMENSTGUG00000017592	-4.4158	0.0002	0.0053
2790021	VLDLR SORBS1	-4.4151	0.0002	0.0053
2782125 2759270	SORBSI	4.4124 4.4116	0.0002 0.0002	0.0053
2783850	ANKRD10	-4.4110 -4.4103		0.0053
2769267	GRAMD4	-4.4103 4.4099	0.0002 0.0002	0.0053 0.0053
2768909	SGSM2	4.4099 4.5383	0.0002 0.0001	0.0035 0.0046
2762484	DTD1	-4.4024	0.0001 0.0002	0.0040 0.0054
2796685	TBC1D24	-4.4024 -4.4019	0.0002 0.0002	0.0054 0.0054
2795165	TMEM151B	-4.4019 -4.4019	0.0002 0.0002	0.0054 0.0054
2799150	I MEM191B	-4.4019 -4.4012	0.0002 0.0002	0.0054 0.0054
2799130	LFNG	$\frac{-4.4012}{4.5291}$	0.0002 0.0001	0.0034 0.0046
2773002	EIF2C3	4.3291 4.3991	0.0001	0.0040 0.0054
2779356	E1F 2C3	-4.3991 -4.3990	0.0002 0.0002	0.0054 0.0054
2788686	TAF7	-4.3990 -4.3977	0.0002 0.0002	0.0054 0.0054
2767588	PPP1R16B	4.3961	0.0002 0.0002	0.0054 0.0054
2795349	COG4	-4.3956	0.0002 0.0002	0.0054 0.0054
2762131	LOC418729	-4.3930 -4.3920	0.0002	0.0054 0.0055
2771111	KIAA1462	$\frac{-4.3920}{4.3894}$	0.0002 0.0002	0.0055
2769870	ABTB2	-4.3868	0.0002 0.0002	0.0055
2786907	SLITRK2	-4.3858	0.0002 0.0002	0.0055
	SLITKK2		0.0002 0.0002	
2779734	CALM1	-4.3856 -4.3833		0.0055
2776609	ZC4H2		0.0002	0.0055
2764716		-4.6648 4.3800	0.0001	0.0039
2798271	NFKBIE PPD0	-4.3809 4.3786	0.0002	0.0055
2780372	RRP9	4.3786	0.0002	0.0056
2784942	EIF5	-4.3764 -4.3753	0.0002	0.0056
2757366			0.0002 0.0002	0.0056
2778170		-4.3750	0.0002	0.0056

2787172 TBC1D30 4.3747 0.0002 0.056 2791737 MBNL1 -4.3744 0.0002 0.0056 2793246 BBP6 -4.3731 0.0002 0.056 2779582 EEFSEC -4.3705 0.0002 0.056 2770579 SETBP1 4.3694 0.0002 0.057 2788446 DDX18 4.4897 0.0002 0.057 2787449 RGS7 -4.3611 0.0002 0.057 2777643 RGS7 -4.3611 0.0002 0.057 2777643 RGS7 -4.3611 0.0002 0.057 2777663 SNTG1 4.3601 0.0002 0.057 2776374 TGI188 4.3579 0.0002 0.057 2764032 PSME4 4.3559 0.0002 0.057 2764032 PSME4 4.3549 0.0002 0.057 2764032 PSME4 4.3549 0.0002 0.058 27764032 TSME4 4.3549 0.0002 <th></th> <th>gene_symbols</th> <th>t</th> <th>P.Value</th> <th>adj.P.Val</th>		gene_symbols	t	P.Value	adj.P.Val
2793246 RBBP6 -4.3731 0.0002 0.0056 2779582 EEFSEC -4.3705 0.0002 0.0056 2770579 SETBP1 4.3694 0.0002 0.0056 2768482 LOC421379 -4.3639 0.0002 0.0057 2788446 DDX18 4.4897 0.0002 0.0057 2777449 RGS7 -4.3611 0.0002 0.0057 27772221 -4.3602 0.0002 0.0057 2777663 SNTGI 4.3601 0.0002 0.0057 27763784 CD164 4.3598 0.0002 0.0057 27764032 PSME4 4.3559 0.0002 0.0057 2764388 4.3549 0.0002 0.0057 2764477 GRSF1 -4.3540 0.0002 0.0058 2772541 UAP1 4.3506 0.0002 0.0058 27752541 UAP1 4.3506 0.0002 0.0058 2766429 BZW2 4.3467 0.0002 0.058 27656140 NEDD1 -4.711 0.0002 0.059	2787172	TBC1D30	4.3747	0.0002	0.0056
2779582 EEFSEC	2791737	MBNL1	-4.3744	0.0002	0.0056
2770579 SETBP1	2793246	RBBP6	-4.3731	0.0002	0.0056
2768482 LOC421379 -4.3639 0.0002 0.0057 2788446 DDX18 4.4897 0.0002 0.0057 2777228 TET2 4.3626 0.0002 0.0057 27777449 RGS7 -4.3601 0.0002 0.0057 2777663 SNTG1 4.3601 0.0002 0.0057 2776924 TRM37 4.3559 0.0002 0.0057 2764032 PSME4 4.3559 0.0002 0.0057 2764477 GRSF1 -4.3549 0.0002 0.0057 2759273 TIMM9 -4.3511 0.0002 0.0058 2785296 TIMM22 -4.3467 0.0002 0.0058 2785264 BZW2 4.3466 0.0002 0.0058 2785973 TIMM9 -4.3511 0.0002 0.0058 2785964 HAP1 4.3566 0.0002 0.0058 2785978 BZW2 4.3466 0.0002 0.0058 278619 NEDD1 -4.4711 <t< td=""><td>2779582</td><td>EEFSEC</td><td>-4.3705</td><td>0.0002</td><td>0.0056</td></t<>	2779582	EEFSEC	-4.3705	0.0002	0.0056
2788446 DDX18 4.4897 0.0002 0.0050 2791228 TET2 4.3626 0.0002 0.0057 2777249 RGS7 -4.3611 0.0002 0.0057 2777663 SNTG1 4.3601 0.0002 0.0057 2776924 TRIM37 4.3598 0.0002 0.0057 2764032 PSME4 4.3559 0.0002 0.0057 2761388 4.3549 0.0002 0.0057 2761388 4.3549 0.0002 0.0057 2764477 GRSF1 -4.3540 0.0002 0.0058 27759273 TIMM9 -4.3511 0.0002 0.0058 2788296 TIMM22 -4.3467 0.0002 0.0058 2786194 NEDD1 -4.4711 0.0002 0.0058 2786198 TRIM9 4.3406 0.0002 0.0058 2787575 COROIC 4.3394 0.0002 0.0059 27756619 TRIM9 4.34404 0.0002 0.0059 2775757 COROIC 4.3307 0.0002 0.0060	2770579	SETBP1	4.3694	0.0002	0.0056
2791228 TET2 4.3626 0.0002 0.0057 2777449 RGS7 -4.3611 0.0002 0.0057 27772221 -4.3602 0.0002 0.0057 2777663 SNTG1 4.3601 0.0002 0.0057 2793784 CD164 4.3598 0.0002 0.0057 2764032 PSME4 4.3559 0.0002 0.0057 2761388 4.3549 0.0002 0.0057 2764477 GRSF1 -4.3540 0.0002 0.0057 2765273 TIMM9 -4.3511 0.0002 0.0058 2785296 TIMM22 -4.3467 0.0002 0.0058 2785261 UAP1 4.3506 0.0002 0.0058 2765412 BZW2 4.3467 0.0002 0.0058 2765542 BZW2 4.3466 0.0002 0.0058 2766194 NEDD1 -4.4711 0.0002 0.0059 2775757 CORO1C 4.3307 0.0002 0.0059	2768482	LOC421379	-4.3639	0.0002	0.0057
2777449 RGS7 -4.3611 0.0002 0.0057 2772221 -4.3602 0.0002 0.0057 277663 SNTG1 4.3601 0.0002 0.0057 2793784 CD164 4.3598 0.0002 0.0057 2764032 PSME4 4.3559 0.0002 0.0057 2761388 4.3549 0.0002 0.0057 2764477 GRSF1 -4.3540 0.0002 0.0057 2759273 TIMM9 -4.3511 0.0002 0.0058 2765421 UAP1 4.3506 0.0002 0.0058 2785293 TIMM9 -4.3467 0.0002 0.0058 276542 BZW2 4.3466 0.0002 0.0058 2785961 NEDD1 -4.4711 0.0002 0.0058 2766124 NEDD1 -4.4711 0.0002 0.0059 2775060 PHIP -4.3357 0.0002 0.0059 2775757 CORO1C 4.3307 0.0002 0.0060	2788446	DDX18	4.4897	0.0002	0.0050
27772221 -4.3602 0.0002 0.0057 2777663 SNTG1 4.3601 0.0002 0.0057 27763784 CD164 4.3598 0.0002 0.0057 2776924 TRIM37 4.3579 0.0002 0.0057 2764032 PSME4 4.3559 0.0002 0.0057 2761388 4.3549 0.0002 0.0057 2764477 GRSF1 -4.3540 0.0002 0.0058 275273 TIMM9 -4.3511 0.0002 0.0058 2772541 UAP1 4.3506 0.0002 0.0058 2788296 TIMM22 -4.3467 0.0002 0.0058 2786598 TRIM9 4.3406 0.0002 0.0058 2786198 TRIM9 4.3404 0.0002 0.0059 2786998 TRIM9 4.3344 0.0002 0.0059 2799748 ARPC1A 4.3394 0.0002 0.0059 2775757 CORO1C 4.3307 0.0002 0.0060 <td>2791228</td> <td>TET2</td> <td>4.3626</td> <td>0.0002</td> <td>0.0057</td>	2791228	TET2	4.3626	0.0002	0.0057
2777663 SNTG1 4.3601 0.0002 0.0057 2793784 CD164 4.3598 0.0002 0.0057 27769032 TRIM37 4.3579 0.0002 0.0057 2761032 PSME4 4.3559 0.0002 0.0057 2764477 GRSF1 -4.3540 0.0002 0.0057 2759273 TIMM9 -4.3511 0.0002 0.0058 2772541 UAP1 4.3506 0.0002 0.0058 2768266 TIMM22 -4.3467 0.0002 0.0058 2765642 BZW2 4.3466 0.0002 0.0058 2766194 NEDD1 -4.4711 0.0002 0.0058 2766194 NEDD1 -4.4711 0.0002 0.0059 27790760 PHIP -4.3357 0.0002 0.0059 2775757 CORO1C 4.3307 0.0002 0.0060 2764252 KIAA0922 4.3273 0.0002 0.0060 2765228 SERPINB8 4.3260	2777449	RGS7	-4.3611	0.0002	0.0057
2793784 CD164 4.3598 0.0002 0.0057 2776924 TRIM37 4.3579 0.0002 0.0057 2764032 PSME4 4.3559 0.0002 0.0057 2761388 4.3549 0.0002 0.0057 2764477 GRSF1 -4.3540 0.0002 0.0057 2759273 TIMM9 -4.3511 0.0002 0.0058 276542 UAP1 4.3506 0.0002 0.0058 2765642 BZW2 4.3466 0.0002 0.0058 2765642 BZW2 4.3466 0.0002 0.0058 2766649 NEDD1 -4.4711 0.0002 0.0059 2765698 TRIM9 4.3404 0.0002 0.0059 2779260 PHIP -4.337 0.0002 0.0059 2775757 COROIC 4.3307 0.0002 0.0060 2766425 KIAA0922 4.3273 0.0002 0.0060 2765228 SERPINB8 4.3260 0.0002 <t< td=""><td>2772221</td><td></td><td>-4.3602</td><td>0.0002</td><td>0.0057</td></t<>	2772221		-4.3602	0.0002	0.0057
2776924 TRIM37 4.3579 0.0002 0.0057 2764032 PSME4 4.3559 0.0002 0.0057 2761388 4.3549 0.0002 0.0057 2764477 GRSF1 -4.3540 0.0002 0.0058 2759273 TIMM9 -4.3511 0.0002 0.0058 2772541 UAP1 4.3506 0.0002 0.0058 2788296 TIMM22 -4.3467 0.0002 0.0058 2766194 NEDD1 -4.4711 0.0002 0.0059 2786998 TRIM9 4.3404 0.0002 0.0059 27899748 ARPC1A 4.3394 0.0002 0.0059 2772060 PHIP -4.3357 0.0002 0.0059 2775575 COROIC 4.3307 0.0002 0.0060 2766425 KIAA0922 4.3373 0.0002 0.0060 2766425 KIAA0922 4.3273 0.0002 0.0061 2765228 SERPINB8 4.3260 0.0002	2777663	SNTG1	4.3601	0.0002	0.0057
2764032 PSME4 4.3559 0.0002 0.0057 2761388 4.3549 0.0002 0.0057 2764477 GRSF1 -4.3540 0.0002 0.0057 27759273 TIMM9 -4.3511 0.0002 0.0058 2772541 UAP1 4.3506 0.0002 0.0058 2788296 TIMM22 -4.3467 0.0002 0.0058 2765642 BZW2 4.3466 0.0002 0.0058 27666194 NEDD1 -4.4711 0.0002 0.0059 2786998 TRIM9 4.3404 0.0002 0.0059 2779748 ARPC1A 4.3394 0.0002 0.0059 2772060 PHIP -4.3357 0.0002 0.0059 2775757 CORO1C 4.3307 0.0002 0.0060 2766425 KIAA0922 4.3273 0.0002 0.0060 2765228 SERPINB8 4.3260 0.0002 0.0061 2759029 NCKIPSD -4.3228 0.0002	2793784	CD164	4.3598	0.0002	0.0057
2761388 4.3549 0.0002 0.0057 2764477 GRSF1 -4.3540 0.0002 0.0057 2759273 TIMM9 -4.3511 0.0002 0.0058 2772541 UAP1 4.3506 0.0002 0.0058 2785296 TIMM22 -4.3467 0.0002 0.0058 2765642 BZW2 4.3466 0.0002 0.0058 2766194 NEDD1 -4.4711 0.0002 0.0059 2799748 ARPC1A 4.3394 0.0002 0.0059 2799748 ARPC1A 4.3394 0.0002 0.0059 2772060 PHIP -4.3357 0.0002 0.0059 2775757 CORO1C 4.3307 0.0002 0.0060 2766425 KIAA0922 4.3273 0.0002 0.0060 2766425 KIAA0922 4.3273 0.0002 0.0060 2765228 SERPINB8 4.3260 0.0002 0.0061 278929 NCKIPSD -4.3228 0.0002 0.0061 2783529 -4.3169 0.0002 0.0061	2776924	TRIM37	4.3579	0.0002	0.0057
2764477 GRSF1 -4.3540 0.0002 0.0057 2759273 TIMM9 -4.3511 0.0002 0.0058 2772541 UAP1 4.3506 0.0002 0.0058 2785296 TIMM22 -4.3467 0.0002 0.0058 2766194 NEDD1 -4.4711 0.0002 0.0051 2786998 TRIM9 4.3404 0.0002 0.0059 2799748 ARPC1A 4.3394 0.0002 0.0059 2772060 PHIP -4.3357 0.0002 0.0059 2775757 CORO1C 4.3307 0.0002 0.0060 2766425 KIAA0922 4.3273 0.0002 0.0060 2766425 KIAA0922 4.3273 0.0002 0.0060 2766425 KIAA0922 4.3273 0.0002 0.0061 2765228 SERPINB8 4.3260 0.0002 0.0061 2759029 NCKIPSD -4.3228 0.0002 0.0061 2788276 CAT -4.3215 0.0002 0.0061 2788279 -4.3169 0.0002	2764032	PSME4	4.3559	0.0002	0.0057
2759273 TIMM9 -4.3511 0.0002 0.0058 2772541 UAP1 4.3506 0.0002 0.0058 2788296 TIMM22 -4.3467 0.0002 0.0058 2766194 NEDD1 -4.4711 0.0002 0.0051 2786998 TRIM9 4.3404 0.0002 0.0059 2799748 ARPC1A 4.3394 0.0002 0.0059 2772060 PHIP -4.3357 0.0002 0.0060 2761496 C7ORF20 -4.3300 0.0002 0.0060 2766425 KIAA0922 4.3273 0.0002 0.0060 2766425 KIAA0922 4.3273 0.0002 0.0060 2765228 SERPINB8 4.3260 0.0002 0.0061 2759029 NCKIPSD -4.3228 0.0002 0.0061 2783529 -4.3169 0.0002 0.0061 2783529 -4.3169 0.0002 0.0061 2783529 -4.3169 0.0002 0.0061 <t< td=""><td>2761388</td><td></td><td>4.3549</td><td>0.0002</td><td>0.0057</td></t<>	2761388		4.3549	0.0002	0.0057
2772541 UAP1 4.3506 0.0002 0.0058 2788296 TIMM22 -4.3467 0.0002 0.0058 2765642 BZW2 4.3466 0.0002 0.0058 27666194 NEDD1 -4.4711 0.0002 0.0051 2786998 TRIM9 4.3404 0.0002 0.0059 2779060 PHIP -4.3357 0.0002 0.0059 2775757 CORO1C 4.3307 0.0002 0.0060 2761496 C7ORF20 -4.3300 0.0002 0.0060 2766425 KIAA0922 4.3273 0.0002 0.0060 2765228 SERPINB8 4.3260 0.0002 0.0061 2759029 NCKIPSD -4.3228 0.0002 0.0061 2788276 CAT -4.3215 0.0002 0.0061 2780819 KDSR -4.3215 0.0002 0.0061 27867929 EGR1 4.3156 0.0002 0.0061 27587358 APMII 4.3152	2764477	GRSF1	-4.3540	0.0002	0.0057
2788296 TIMM22 -4.3467 0.0002 0.0058 2765642 BZW2 4.3466 0.0002 0.0058 2766194 NEDD1 -4.4711 0.0002 0.0051 2786998 TRIM9 4.3404 0.0002 0.0059 2799748 ARPC1A 4.3394 0.0002 0.0059 2772060 PHIP -4.3357 0.0002 0.0060 2761496 C7ORF20 -4.3300 0.0002 0.0060 2766425 KIAA0922 4.3273 0.0002 0.0060 2765228 SERPINB8 4.3260 0.0002 0.0061 2759029 NCKIPSD -4.3228 0.0002 0.0061 2788276 CAT -4.3215 0.0002 0.0061 27883529 -4.3169 0.0002 0.0061 2760929 EGR1 4.3156 0.0002 0.0061 2757748 FAM43A -4.4384 0.0002 0.0061 27598710 MCAT -4.3142 0.0002 <td>2759273</td> <td>TIMM9</td> <td>-4.3511</td> <td>0.0002</td> <td>0.0058</td>	2759273	TIMM9	-4.3511	0.0002	0.0058
2765642 BZW2 4.3466 0.0002 0.0058 2766194 NEDD1 -4.4711 0.0002 0.0051 2786998 TRIM9 4.3404 0.0002 0.0059 2799748 ARPC1A 4.3394 0.0002 0.0059 2772060 PHIP -4.3357 0.0002 0.0060 2761496 C7ORF20 -4.3300 0.0002 0.0060 2766425 KIAA0922 4.3273 0.0002 0.0060 2766425 SERPINB8 4.3260 0.0002 0.0060 2765228 SERPINB8 4.3260 0.0002 0.0061 2759029 NCKIPSD -4.3228 0.0002 0.0061 2759029 NCKIPSD -4.3221 0.0002 0.0061 2788276 CAT -4.3215 0.0002 0.0061 27883529 -4.3169 0.0002 0.0061 27864353 ADRM1 4.3156 0.0002 0.0061 2757748 FAM43A -4.4384 0.000	2772541	UAP1	4.3506	0.0002	0.0058
2766194 NEDD1 -4.4711 0.0002 0.0051 2786998 TRIM9 4.3404 0.0002 0.0059 2799748 ARPC1A 4.3394 0.0002 0.0059 2772060 PHIP -4.3357 0.0002 0.0060 27651496 C7ORF20 -4.3300 0.0002 0.0060 2766425 KIAA0922 4.3273 0.0002 0.0060 2765228 SERPINB8 4.3260 0.0002 0.0061 2759029 NCKIPSD -4.3236 0.0002 0.0061 2759029 NCKIPSD -4.3215 0.0002 0.0061 2788276 CAT -4.3215 0.0002 0.0061 27883529 -4.3169 0.0002 0.0061 27860929 EGR1 4.3156 0.0002 0.0061 2757748 FAM43A -4.4344 0.0002 0.0061 2757748 FAM43A -4.4384 0.0002 0.0061 2796230 MRAS -4.3113 0.000	2788296	TIMM22	-4.3467	0.0002	0.0058
2766194 NEDD1 -4.4711 0.0002 0.0051 2786998 TRIM9 4.3404 0.0002 0.0059 2799748 ARPC1A 4.3394 0.0002 0.0059 2772060 PHIP -4.3357 0.0002 0.0060 2761496 C7ORF20 -4.3300 0.0002 0.0060 2766425 KIAA0922 4.3273 0.0002 0.0060 2765228 SERPINB8 4.3260 0.0002 0.0061 2759029 NCKIPSD -4.3228 0.0002 0.0061 2759029 NCKIPSD -4.3215 0.0002 0.0061 2788276 CAT -4.3215 0.0002 0.0061 27883529 -4.3169 0.0002 0.0061 2760929 EGR1 4.3156 0.0002 0.0061 2764353 ADRM1 4.3152 0.0002 0.0061 2757748 FAM43A -4.4344 0.0002 0.0061 2796252 JRS -4.3142 0.0002 <td></td> <td></td> <td></td> <td></td> <td></td>					
2786998 TRIM9 4.3404 0.0002 0.0059 2799748 ARPC1A 4.3394 0.0002 0.0059 2772060 PHIP -4.3357 0.0002 0.0060 2775757 CORO1C 4.3307 0.0002 0.0060 2766426 C7ORF20 -4.3300 0.0002 0.0060 2766425 KIAA0922 4.3273 0.0002 0.0060 2768136 CPSF6 4.3236 0.0002 0.0061 2759029 NCKIPSD -4.3228 0.0002 0.0061 2788276 CAT -4.3215 0.0002 0.0061 27883529 -4.3169 0.0002 0.0061 2760929 EGR1 4.3156 0.0002 0.0061 2764353 ADRM1 4.3152 0.0002 0.0061 2757748 FAM43A -4.4384 0.0002 0.0061 2796507 MRAS -4.3113 0.0002 0.0061 2796507 MRAS -4.3113 0.0002 0.0062 27586670 IRS2 4.4328 0.0002	2766194				0.0051
2799748 ARPC1A 4.3394 0.0002 0.0059 2772060 PHIP -4.3357 0.0002 0.0059 2775757 CORO1C 4.3307 0.0002 0.0060 2761496 C7ORF20 -4.3300 0.0002 0.0060 2766425 KIAA0922 4.3273 0.0002 0.0060 2765228 SERPINB8 4.3260 0.0002 0.0061 2798136 CPSF6 4.3236 0.0002 0.0061 2759029 NCKIPSD -4.3228 0.0002 0.0061 2788276 CAT -4.3215 0.0002 0.0061 27883529 -4.3169 0.0002 0.0061 2760929 EGR1 4.3156 0.0002 0.0061 2764353 ADRM1 4.3152 0.0002 0.0061 2757748 FAM43A -4.4384 0.0002 0.0061 2796710 MCAT -4.3142 0.0002 0.0061 2796577 MRAS -4.3113 0.0002 0.0062 27586670 IRS2 4.4328 0.0002 <					
2772060 PHIP -4.3357 0.0002 0.0059 2775757 CORO1C 4.3307 0.0002 0.0060 2761496 C7ORF20 -4.3300 0.0002 0.0060 2766425 KIAA0922 4.3273 0.0002 0.0060 2765228 SERPINB8 4.3260 0.0002 0.0061 2759029 NCKIPSD -4.3228 0.0002 0.0061 27590819 KDSR -4.3215 0.0002 0.0061 2760929 EGR1 -4.3201 0.0002 0.0061 2760929 EGR1 4.3156 0.0002 0.0061 2764353 ADRM1 4.3152 0.0002 0.0061 2757748 FAM43A -4.4384 0.0002 0.0061 2796232 -4.3138 0.0002 0.0061 27965584 LMO7 4.308 0.0002 0.0062 2758670 IRS2 4.4328 0.0002 0.0062 2758927 FOXP2 -4.3069 0.0002 0.0062 2758927 FOXP2 -4.3051 0.0002 <					
2775757 CORO1C 4.3307 0.0002 0.0060 2761496 C7ORF20 -4.3300 0.0002 0.0060 2766425 KIAA0922 4.3273 0.0002 0.0060 2765228 SERPINB8 4.3260 0.0002 0.0061 2759029 NCKIPSD -4.3228 0.0002 0.0061 2758276 CAT -4.3215 0.0002 0.0061 27883529 -4.3169 0.0002 0.0061 2760929 EGR1 4.3156 0.0002 0.0061 2764353 ADRM1 4.3152 0.0002 0.0061 2757748 FAM43A -4.4384 0.0002 0.0061 2798710 MCAT -4.3142 0.0002 0.0061 2796232 -4.3138 0.0002 0.0061 2786670 IRS2 4.4313 0.0002 0.0062 2786670 IRS2 4.4328 0.0002 0.0062 2758691 C14ORF102 -4.3069 0.0002 0.0062 2758733 -4.3037 0.0002 0.0062					
2761496 C7ORF20 -4.3300 0.0002 0.0060 2766425 KIAA0922 4.3273 0.0002 0.0060 2765228 SERPINB8 4.3260 0.0002 0.0060 2798136 CPSF6 4.3236 0.0002 0.0061 2759029 NCKIPSD -4.3228 0.0002 0.0061 2788276 CAT -4.3215 0.0002 0.0061 279819 KDSR -4.3201 0.0002 0.0061 2783529 -4.3169 0.0002 0.0061 2760929 EGR1 4.3156 0.0002 0.0061 2764353 ADRM1 4.3152 0.0002 0.0061 2757748 FAM43A -4.4384 0.0002 0.0061 2796232 -4.3142 0.0002 0.0061 2796537 MRAS -4.3113 0.0002 0.0062 2786670 IRS2 4.4328 0.0002 0.0062 2758691 C14ORF102 -4.3069 0.0002 0.0062 2758927 FOXP2 -4.3051 0.0002 0.0062					
2766425 KIAA0922 4.3273 0.0002 0.0060 2765228 SERPINB8 4.3260 0.0002 0.0060 2798136 CPSF6 4.3236 0.0002 0.0061 2759029 NCKIPSD -4.3228 0.0002 0.0061 2788276 CAT -4.3215 0.0002 0.0061 2790819 KDSR -4.3169 0.0002 0.0061 2783529 -4.3169 0.0002 0.0061 2760929 EGR1 4.3156 0.0002 0.0061 2764353 ADRM1 4.3152 0.0002 0.0061 2757748 FAM43A -4.4384 0.0002 0.0061 2798710 MCAT -4.3142 0.0002 0.0061 2796232 -4.3138 0.0002 0.0061 2796507 MRAS -4.3113 0.0002 0.0062 2786670 IRS2 4.4328 0.0002 0.0062 2758924 C14ORF102 -4.3069 0.0002 0.0062 2758927 FOXP2 -4.3051 0.0002 0.0062 </td <td></td> <td></td> <td></td> <td></td> <td></td>					
2765228 SERPINB8 4.3260 0.0002 0.0060 2798136 CPSF6 4.3236 0.0002 0.0061 2759029 NCKIPSD -4.3228 0.0002 0.0061 2788276 CAT -4.3215 0.0002 0.0061 2790819 KDSR -4.3201 0.0002 0.0061 2783529 -4.3169 0.0002 0.0061 2760929 EGR1 4.3156 0.0002 0.0061 2764353 ADRM1 4.3152 0.0002 0.0061 2757748 FAM43A -4.4384 0.0002 0.0061 2798710 MCAT -4.3142 0.0002 0.0061 2796532 -4.3138 0.0002 0.0061 2796507 MRAS -4.3113 0.0002 0.0062 2786507 IRS2 4.4328 0.0002 0.0062 2758691 C14ORF102 -4.3069 0.0002 0.0062 2758924 C11ORF73 -4.4280 0.0002 0.0062 2758373 -4.3037 0.0002 0.0062 <					
2798136 CPSF6 4.3236 0.0002 0.0061 2759029 NCKIPSD -4.3228 0.0002 0.0061 2788276 CAT -4.3215 0.0002 0.0061 2790819 KDSR -4.3201 0.0002 0.0061 2783529 -4.3169 0.0002 0.0061 2760929 EGR1 4.3156 0.0002 0.0061 2757748 FAM43A -4.4384 0.0002 0.0054 2798710 MCAT -4.3142 0.0002 0.0061 2796232 -4.3138 0.0002 0.0061 2796507 MRAS -4.3113 0.0002 0.0062 2786670 IRS2 4.4328 0.0002 0.0062 2758691 C14ORF102 -4.3069 0.0002 0.0062 2758924 C11ORF73 -4.4280 0.0002 0.0062 2758373 -4.3037 0.0002 0.0062 2799013 MED12 -4.3032 0.0002 0.0062 279861 LRRTM1 -4.3023 0.0002 0.0062 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
2759029 NCKIPSD -4.3228 0.0002 0.0061 2788276 CAT -4.3215 0.0002 0.0061 2790819 KDSR -4.3201 0.0002 0.0061 2783529 -4.3169 0.0002 0.0061 2760929 EGR1 4.3156 0.0002 0.0061 2764353 ADRM1 4.3152 0.0002 0.0061 2757748 FAM43A -4.4384 0.0002 0.0054 2798710 MCAT -4.3142 0.0002 0.0061 2796232 -4.3138 0.0002 0.0061 2796507 MRAS -4.3113 0.0002 0.0062 2786670 IRS2 4.4328 0.0002 0.0062 2758691 C14ORF102 -4.3069 0.0002 0.0062 2778924 C11ORF73 -4.4280 0.0002 0.0062 2758927 FOXP2 -4.3031 0.0002 0.0062 2793650 ARHGEF12 -4.7065 0.0001 0.0035 2759861 LRRTM1 -4.3022 0.0002 0.0062					
2790819 KDSR -4.3201 0.0002 0.0061 2783529 -4.3169 0.0002 0.0061 2760929 EGR1 4.3156 0.0002 0.0061 2764353 ADRM1 4.3152 0.0002 0.0061 2757748 FAM43A -4.4384 0.0002 0.0054 2798710 MCAT -4.3142 0.0002 0.0061 2796232 -4.3138 0.0002 0.0061 2796507 MRAS -4.3113 0.0002 0.0062 2786670 IRS2 4.4328 0.0002 0.0062 2758691 C14ORF102 -4.3069 0.0002 0.0062 2778924 C11ORF73 -4.4280 0.0002 0.0062 2758927 FOXP2 -4.3051 0.0002 0.0062 2790013 MED12 -4.3037 0.0002 0.0062 2793650 ARHGEF12 -4.7065 0.0001 0.0035 2759861 LRRTM1 -4.3023 0.0002 0.0062 2774002 PALM2 -4.3008 0.0002 0.0062	2759029	NCKIPSD	-4.3228	0.0002	0.0061
2790819 KDSR -4.3201 0.0002 0.0061 2783529 -4.3169 0.0002 0.0061 2760929 EGR1 4.3156 0.0002 0.0061 2764353 ADRM1 4.3152 0.0002 0.0061 2757748 FAM43A -4.4384 0.0002 0.0054 2798710 MCAT -4.3142 0.0002 0.0061 2796232 -4.3138 0.0002 0.0061 2796507 MRAS -4.3113 0.0002 0.0062 2786670 IRS2 4.4328 0.0002 0.0062 2758691 C14ORF102 -4.3069 0.0002 0.0062 2778924 C11ORF73 -4.4280 0.0002 0.0062 2758927 FOXP2 -4.3051 0.0002 0.0062 2790013 MED12 -4.3037 0.0002 0.0062 2793650 ARHGEF12 -4.7065 0.0001 0.0035 2759861 LRRTM1 -4.3023 0.0002 0.0062 2774002 PALM2 -4.3008 0.0002 0.0062					
2783529 -4.3169 0.0002 0.0061 2760929 EGR1 4.3156 0.0002 0.0061 2764353 ADRM1 4.3152 0.0002 0.0061 2757748 FAM43A -4.4384 0.0002 0.0054 2798710 MCAT -4.3142 0.0002 0.0061 2796232 -4.3138 0.0002 0.0061 2796507 MRAS -4.3113 0.0002 0.0062 2786670 IRS2 4.4328 0.0002 0.0054 2765584 LMO7 4.3092 0.0002 0.0062 2758691 C14ORF102 -4.3069 0.0002 0.0062 2778924 C11ORF73 -4.4280 0.0002 0.0062 2758927 FOXP2 -4.3051 0.0002 0.0062 2758373 -4.3037 0.0002 0.0062 2793650 ARHGEF12 -4.7065 0.0001 0.0035 2759861 LRRTM1 -4.3023 0.0002 0.0062 2770808 LIFR -4.3022 0.0002 0.0062	2790819	KDSR	-4.3201	0.0002	0.0061
2760929 EGR1 4.3156 0.0002 0.0061 2764353 ADRM1 4.3152 0.0002 0.0061 2757748 FAM43A -4.4384 0.0002 0.0054 2798710 MCAT -4.3142 0.0002 0.0061 2796232 -4.3138 0.0002 0.0061 2796507 MRAS -4.3113 0.0002 0.0062 2786670 IRS2 4.4328 0.0002 0.0054 2765584 LMO7 4.3092 0.0002 0.0062 2758691 C14ORF102 -4.3069 0.0002 0.0062 2778924 C11ORF73 -4.4280 0.0002 0.0062 2758927 FOXP2 -4.3051 0.0002 0.0062 2758373 -4.3037 0.0002 0.0062 2799013 MED12 -4.3032 0.0002 0.0062 2798650 ARHGEF12 -4.7065 0.0001 0.0035 2759861 LRRTM1 -4.3023 0.0002 0.0062 2770808 LIFR -4.3022 0.0002 0.0062					
2764353 ADRM1 4.3152 0.0002 0.0061 2757748 FAM43A -4.4384 0.0002 0.0054 2798710 MCAT -4.3142 0.0002 0.0061 2796232 -4.3138 0.0002 0.0061 2796507 MRAS -4.3113 0.0002 0.0062 2786670 IRS2 4.4328 0.0002 0.0054 2765584 LMO7 4.3092 0.0002 0.0062 2758691 C14ORF102 -4.3069 0.0002 0.0062 2778924 C11ORF73 -4.4280 0.0002 0.0054 2758927 FOXP2 -4.3051 0.0002 0.0062 2758373 -4.3037 0.0002 0.0062 2793650 ARHGEF12 -4.7065 0.0001 0.0035 2759861 LRRTM1 -4.3023 0.0002 0.0062 2770808 LIFR -4.3022 0.0002 0.0062 2774002 PALM2 -4.3008 0.0002 0.0062 2760941 SORBS1 4.2992 0.0002 0.0063		EGR1			
2757748 FAM43A -4.4384 0.0002 0.0054 2798710 MCAT -4.3142 0.0002 0.0061 2796232 -4.3138 0.0002 0.0061 2796507 MRAS -4.3113 0.0002 0.0062 2786670 IRS2 4.4328 0.0002 0.0054 2765584 LMO7 4.3092 0.0002 0.0062 2758691 C14ORF102 -4.3069 0.0002 0.0062 2778924 C11ORF73 -4.4280 0.0002 0.0054 2758927 FOXP2 -4.3051 0.0002 0.0062 2758373 -4.3037 0.0002 0.0062 2790013 MED12 -4.3032 0.0002 0.0062 2793650 ARHGEF12 -4.7065 0.0001 0.0035 2759861 LRRTM1 -4.3023 0.0002 0.0062 2770808 LIFR -4.3022 0.0002 0.0062 2774002 PALM2 -4.3008 0.0002 0.0062 2760941 SORBS1 4.2992 0.0002 0.0063					
2798710 MCAT -4.3142 0.0002 0.0061 2796232 -4.3138 0.0002 0.0061 2796507 MRAS -4.3113 0.0002 0.0062 2786670 IRS2 4.4328 0.0002 0.0054 2765584 LMO7 4.3092 0.0002 0.0062 2758691 C14ORF102 -4.3069 0.0002 0.0062 2778924 C11ORF73 -4.4280 0.0002 0.0054 2758927 FOXP2 -4.3051 0.0002 0.0062 2758373 -4.3037 0.0002 0.0062 2790013 MED12 -4.3032 0.0002 0.0062 2793650 ARHGEF12 -4.7065 0.0001 0.0035 2759861 LRRTM1 -4.3023 0.0002 0.0062 2770808 LIFR -4.3022 0.0002 0.0062 2774002 PALM2 -4.3008 0.0002 0.0062 2760941 SORBS1 4.2992 0.0002 0.0063					
2796232 -4.3138 0.0002 0.0061 2796507 MRAS -4.3113 0.0002 0.0062 2786670 IRS2 4.4328 0.0002 0.0054 2765584 LMO7 4.3092 0.0002 0.0062 2758691 C14ORF102 -4.3069 0.0002 0.0062 2778924 C11ORF73 -4.4280 0.0002 0.0054 2758927 FOXP2 -4.3051 0.0002 0.0062 2758373 -4.3037 0.0002 0.0062 2790013 MED12 -4.3032 0.0002 0.0062 2793650 ARHGEF12 -4.7065 0.0001 0.0035 2759861 LRRTM1 -4.3023 0.0002 0.0062 2770808 LIFR -4.3022 0.0002 0.0062 2774002 PALM2 -4.3008 0.0002 0.0062 2760941 SORBS1 4.2992 0.0002 0.0063					
2796507 MRAS -4.3113 0.0002 0.0062 2786670 IRS2 4.4328 0.0002 0.0054 2765584 LMO7 4.3092 0.0002 0.0062 2758691 C14ORF102 -4.3069 0.0002 0.0062 2778924 C11ORF73 -4.4280 0.0002 0.0054 2758927 FOXP2 -4.3051 0.0002 0.0062 2758373 -4.3037 0.0002 0.0062 2790013 MED12 -4.3032 0.0002 0.0062 2793650 ARHGEF12 -4.7065 0.0001 0.0035 2759861 LRRTM1 -4.3023 0.0002 0.0062 2770808 LIFR -4.3022 0.0002 0.0062 2774002 PALM2 -4.3008 0.0002 0.0062 2760941 SORBS1 4.2992 0.0002 0.0063				0.0002	
2786670 IRS2 4.4328 0.0002 0.0054 2765584 LMO7 4.3092 0.0002 0.0062 2758691 C14ORF102 -4.3069 0.0002 0.0062 2778924 C11ORF73 -4.4280 0.0002 0.0054 2758927 FOXP2 -4.3051 0.0002 0.0062 2758373 -4.3037 0.0002 0.0062 2790013 MED12 -4.3032 0.0002 0.0062 2793650 ARHGEF12 -4.7065 0.0001 0.0035 2759861 LRRTM1 -4.3023 0.0002 0.0062 2770808 LIFR -4.3022 0.0002 0.0062 2774002 PALM2 -4.3008 0.0002 0.0062 2760941 SORBS1 4.2992 0.0002 0.0063		MRAS			
2765584 LMO7 4.3092 0.0002 0.0062 2758691 C14ORF102 -4.3069 0.0002 0.0062 2778924 C11ORF73 -4.4280 0.0002 0.0054 2758927 FOXP2 -4.3051 0.0002 0.0062 2758373 -4.3037 0.0002 0.0062 2790013 MED12 -4.3032 0.0002 0.0062 2793650 ARHGEF12 -4.7065 0.0001 0.0035 2759861 LRRTM1 -4.3023 0.0002 0.0062 2770808 LIFR -4.3022 0.0002 0.0062 2774002 PALM2 -4.3008 0.0002 0.0062 2760941 SORBS1 4.2992 0.0002 0.0063					
2758691 C14ORF102 -4.3069 0.0002 0.0062 2778924 C11ORF73 -4.4280 0.0002 0.0054 2758927 FOXP2 -4.3051 0.0002 0.0062 2758373 -4.3037 0.0002 0.0062 2790013 MED12 -4.3032 0.0002 0.0062 2793650 ARHGEF12 -4.7065 0.0001 0.0035 2759861 LRRTM1 -4.3023 0.0002 0.0062 2770808 LIFR -4.3022 0.0002 0.0062 2774002 PALM2 -4.3008 0.0002 0.0062 2760941 SORBS1 4.2992 0.0002 0.0063					
2778924 C11ORF73 -4.4280 0.0002 0.0054 2758927 FOXP2 -4.3051 0.0002 0.0062 2758373 -4.3037 0.0002 0.0062 2790013 MED12 -4.3032 0.0002 0.0062 2793650 ARHGEF12 -4.7065 0.0001 0.0035 2759861 LRRTM1 -4.3023 0.0002 0.0062 2770808 LIFR -4.3022 0.0002 0.0062 2774002 PALM2 -4.3008 0.0002 0.0062 2760941 SORBS1 4.2992 0.0002 0.0063					
2758927 FOXP2 -4.3051 0.0002 0.0062 2758373 -4.3037 0.0002 0.0062 2790013 MED12 -4.3032 0.0002 0.0062 2793650 ARHGEF12 -4.7065 0.0001 0.0035 2759861 LRRTM1 -4.3023 0.0002 0.0062 2770808 LIFR -4.3022 0.0002 0.0062 2774002 PALM2 -4.3008 0.0002 0.0062 2760941 SORBS1 4.2992 0.0002 0.0063					
2758373 -4.3037 0.0002 0.0062 2790013 MED12 -4.3032 0.0002 0.0062 2793650 ARHGEF12 -4.7065 0.0001 0.0035 2759861 LRRTM1 -4.3023 0.0002 0.0062 2770808 LIFR -4.3022 0.0002 0.0062 2774002 PALM2 -4.3008 0.0002 0.0062 2760941 SORBS1 4.2992 0.0002 0.0063					
2790013 MED12 -4.3032 0.0002 0.0062 2793650 ARHGEF12 -4.7065 0.0001 0.0035 2759861 LRRTM1 -4.3023 0.0002 0.0062 2770808 LIFR -4.3022 0.0002 0.0062 2774002 PALM2 -4.3008 0.0002 0.0062 2760941 SORBS1 4.2992 0.0002 0.0063					
2793650 ARHGEF12 -4.7065 0.0001 0.0035 2759861 LRRTM1 -4.3023 0.0002 0.0062 2770808 LIFR -4.3022 0.0002 0.0062 2774002 PALM2 -4.3008 0.0002 0.0062 2760941 SORBS1 4.2992 0.0002 0.0063		MED12			
2759861 LRRTM1 -4.3023 0.0002 0.0062 2770808 LIFR -4.3022 0.0002 0.0062 2774002 PALM2 -4.3008 0.0002 0.0062 2760941 SORBS1 4.2992 0.0002 0.0063					
2770808 LIFR -4.3022 0.0002 0.0062 2774002 PALM2 -4.3008 0.0002 0.0062 2760941 SORBS1 4.2992 0.0002 0.0063					
2774002 PALM2 -4.3008 0.0002 0.0062 2760941 SORBS1 4.2992 0.0002 0.0063					
2760941 SORBS1 4.2992 0.0002 0.0063					
	2776186		4.4196	0.0002	0.0055

	gene_symbols	t	P.Value	adj.P.Val
2776661	SMEK2	4.2975	0.0002	0.0063
2797534	PIK3C2A	-4.6991	0.0001	0.0036
2790643	A2BP1	-4.2962	0.0002	0.0063
2797200	UNC80	-4.2961	0.0002	0.0063
2761338	SYMENSTGUG00000010594	-4.2952	0.0002	0.0063
2777022	LANCL1	-4.2945	0.0002	0.0063
2757997	NCBP2	-4.2942	0.0002	0.0063
2782280	CIDEC	-4.4144	0.0002	0.0055
2778635	EFNB1	4.4095	0.0002	0.0056
2784580	CUGBP2-1	4.2877	0.0002	0.0064
2762434	R3HDM1	4.2856	0.0002	0.0064
2785965		-4.6844	0.0001	0.0036
2769862	KCNK5	4.4054	0.0002	0.0056
2779765	CALM1	-4.2837	0.0002	0.0064
2762153	MBD3	-4.2814	0.0002	0.0064
2788316	REV3L	-4.2803	0.0002	0.0064
2789296	SYMENSTGUG00000017925	-4.4000	0.0002	0.0056
2792014	COG4	-4.2794	0.0002	0.0064
2770372	CCT5	4.2773	0.0002	0.0065
2766554	RUFY2	-4.3975	0.0002	0.0057
2769066	UBE2A	4.2764	0.0002	0.0065
2783804	AKAP7	-4.2762	0.0002	0.0065
2772163	CEP170	4.2738	0.0003	0.0065
2774331	GSTO2	-4.2726	0.0003	0.0065
2757886	USP39	4.2726	0.0003	0.0065
2798687		-4.2722	0.0003	0.0065
2789659	MBNL1	-4.2708	0.0003	0.0065
2794031	HINT3	-4.2686	0.0003	0.0065
2791359	ILK	-4.2671	0.0003	0.0065
2781771	ARPP19	4.2665	0.0003	0.0065
2791679	SPAST	-4.2648	0.0003	0.0066
2769654	ADRM1	4.2643	0.0003	0.0066
2778341		-4.3832	0.0002	0.0058
2774236		-4.2628	0.0003	0.0066
2763421		4.2622	0.0003	0.0066
2763131	PKIA	-4.2620	0.0003	0.0066
2794006	PHF6	-4.2614	0.0003	0.0066
2769540	DRP2	-4.2606	0.0003	0.0066
2761540	SYMENSTGUG00000008883	-4.2593	0.0003	0.0066
2791485	B3GNT1	4.2569	0.0003	0.0066
2768156	SRGAP2	-4.3743	0.0002	0.0059
2784154	C9ORF72	-4.2547	0.0003	0.0066
2798907	ARPC1A	4.2545	0.0003	0.0066
2777569	URB1	4.2541	0.0003	0.0066
2799686	EGR1	4.2530	0.0003	0.0067
2760550	MNT	-4.2516	0.0003	0.0067
2770681	PSME4	4.2495	0.0003	0.0067
2770740	SLC25A5	4.2482	0.0003	0.0067
2771619	GRB10	-4.2479	0.0003	0.0067
2782469	P4HA1	-4.2479	0.0003	0.0067
2758109	BTF3L4	4.2478	0.0003	0.0067
2759909	PTPN9	4.3659	0.0003	0.0059
<u> </u>	I IIIVO	4.0003	0.0002	0.0099

2794642 -4.2477 0.0003 0.0067 2771851 PCMT1 -4.2469 0.0003 0.0067 2794826 CAPZA2 4.2464 0.0003 0.0067 2769373 IAPP 4.2450 0.0003 0.0067 2782762 PPP2R5C 4.2448 0.0003 0.0067 2781940 ALC -4.2418 0.0003 0.0067 2782740 DEGS1 4.2419 0.0003 0.0067 27899403 ADPRHL2 -4.2403 0.0003 0.0067 2799410 IAPP 4.2397 0.0003 0.0067 2764928 ANKRD10 -4.2392 0.0003 0.0067 2788499 IMG1 -4.2386 0.0003 0.0067 2788499 ING1 -4.2386 0.0003 0.0067 2789819 MAPKSIP1 4.2386 0.0003 0.0068 2768154 TMEM189 -4.2358 0.0003 0.0068 2768155 TMEM189 -4.2358 0.0003 <th></th> <th>gene_symbols</th> <th>t</th> <th>P.Value</th> <th>adj.P.Val</th>		gene_symbols	t	P.Value	adj.P.Val
2794826 CAPZA2 4.2464 0.0003 0.0067 2769373 IAPP 4.2450 0.0003 0.0067 2782762 PPP2R5C 4.2448 0.0003 0.0067 2761938 XTIC 4.2418 0.0003 0.0067 2782740 DEGS1 4.2409 0.0003 0.0067 2789403 ADPRHL2 4.2403 0.0003 0.0067 2799403 ADPRHL2 4.2397 0.0003 0.0067 2764928 ANKRD10 4.2392 0.0003 0.0067 2789819 MAPK8IP1 4.6280 0.0001 0.033 2784928 NKTO1 4.2378 0.0003 0.0067 2788499 ING1 4.6280 0.0001 0.033 2771282 NETO1 4.2378 0.0003 0.0067 2788499 INGI 4.2280 0.0001 0.032 2765156 EGR1 4.3456 0.0003 0.0062 2768154 TMEM189 4.2352 <td< td=""><td>2794642</td><td></td><td>-4.2477</td><td>0.0003</td><td>0.0067</td></td<>	2794642		-4.2477	0.0003	0.0067
2769373 IAPP 4.2450 0.0003 0.0067 2767938 SYMENSTGUG00000010884 4.2448 0.0003 0.0067 2782762 PPP2R5C 4.2422 0.0003 0.0067 2761974 4.2418 0.0003 0.0067 2782740 DEGS1 4.2409 0.0003 0.0067 2799403 ADPRHL2 4.2409 0.0003 0.0067 2764928 ANKRD10 4.2397 0.0003 0.0067 2788499 ING1 4.6280 0.0003 0.0067 2788499 ING1 4.6280 0.0003 0.0067 2789813 MAPKRIP1 4.2378 0.0003 0.0067 2788499 ING1 4.6280 0.0003 0.0067 2789819 MAPKRIP1 4.2378 0.0003 0.0067 2789853 ARPP21 4.2378 0.0003 0.0062 2789653 ARPP21 4.2358 0.0003 0.0062 2765196 EGR1 4.3456 0.0	2771851	PCMT1	-4.2469	0.0003	0.0067
2767938 SYMENSTGUG0000010884 -4.2448 0.0003 0.0067 2782762 PPP2R5C 4.2422 0.0003 0.0067 2761974 4.2418 0.0003 0.0067 2792098 ATIC -4.2413 0.0003 0.0067 2782740 DEGS1 4.2409 0.0003 0.0067 2799403 ADPRHL2 -4.2403 0.0003 0.0067 2764928 ANKRD10 -4.2392 0.0003 0.0067 2798499 ING1 -4.6280 0.0001 0.0032 2788499 ING1 -4.6280 0.0001 0.0032 2788499 ING1 -4.6280 0.0001 0.0032 2788499 ING1 -4.2378 0.0003 0.0067 2788499 ING1 -4.2378 0.0003 0.0068 2768154 TMEM189 -4.2325 0.0003 0.0068 2768156 EGR1 4.3456 0.0002 0.0061 2783840 C10RF149 -4.2250 <t< td=""><td>2794826</td><td>CAPZA2</td><td>4.2464</td><td>0.0003</td><td>0.0067</td></t<>	2794826	CAPZA2	4.2464	0.0003	0.0067
2782762 PPP2R5C 4.2412 0.0003 0.0067 2761974 4.2418 0.0003 0.0067 2782740 DEGS1 4.2419 0.0003 0.0067 2789403 ADPRHL2 4.2403 0.0003 0.0067 2779261 IAPP 4.2397 0.0003 0.0067 2764928 ANKRD10 4.2392 0.0003 0.0067 2789819 MAPK8IP1 4.2386 0.0003 0.0067 2788498 ING1 4.6280 0.0001 0.039 2771282 NETO1 4.2378 0.0003 0.0067 2788653 ARPP21 4.2353 0.0003 0.0068 2768154 TMEM189 -4.2325 0.0003 0.0068 2768154 TMEM189 -4.2235 0.0003 0.0069 27678596 EGR1 4.3456 0.0002 0.0061 27783840 CHSF149 -4.2285 0.0003 0.0069 2767052 DGKI 4.2273 0.0003	2769373	IAPP	4.2450	0.0003	0.0067
2761974 4.2418 0.0003 0.0067 2792098 ATIC -4.2413 0.0003 0.0067 2789403 ADPRHL2 -4.2403 0.0003 0.0067 2799403 ADPRHL2 -4.2403 0.0003 0.0067 2764928 ANKRD10 -4.2392 0.0003 0.0067 2788499 ING1 -4.6280 0.0003 0.0067 2788499 ING1 -4.6280 0.0003 0.0067 2789653 ARPP21 4.2378 0.0003 0.0068 2768154 TMEM189 -4.2325 0.0003 0.0068 2765196 EGR1 4.3456 0.0003 0.0069 2765196 EGR1 4.2353 0.0003 0.0069 2765196 EGR1 4.3456 0.0003 0.0069 2767405 CPSF6 4.2273 0.0003 0.0069 2767052 DGKI 4.2260 0.0003 0.0069 2760378 NECAB1 4.2251 0.0003	2767938	SYMENSTGUG00000010884	-4.2448	0.0003	0.0067
2792098 ATIC -4.2413 0.0003 0.0067 2789740 DEGSI 4.2409 0.0003 0.0067 2799403 ADPRHL2 -4.2403 0.0003 0.0067 2764928 ANKRD10 -4.2392 0.0003 0.0067 279819 MAPK8IP1 4.2386 0.0003 0.0067 2788499 ING1 -4.6280 0.0001 0.0039 2771282 NETO1 4.2378 0.0003 0.0068 2768154 TMEM189 -4.2325 0.0003 0.068 2768154 TMEM189 -4.2325 0.0003 0.068 27681596 EGR1 4.3456 0.0002 0.0061 2783840 C1ORF149 -4.2285 0.0003 0.069 2767052 DGKI 4.2260 0.0003 0.069 2760378 NECAB1 4.2260 0.0003 0.069 2764106 CSNK1G1 4.2251 0.0003 0.069 2767412 -4.2230 0.0003	2782762	PPP2R5C	4.2422	0.0003	0.0067
2782740 DEGS1 4.2409 0.0003 0.0067 2799403 ADPRHL2 -4.2403 0.0003 0.0067 2779261 IAPP 4.2397 0.0003 0.0067 2799819 MAPKSIP1 4.2386 0.0003 0.0067 2789819 ING1 -4.6280 0.0001 0.039 2771282 NETO1 4.2378 0.0003 0.0068 2789653 ARPP21 4.2353 0.0003 0.0068 2768154 TMEM189 -4.2325 0.0003 0.0068 2765196 EGR1 4.3456 0.0002 0.0061 2783853 C1ORF149 -4.2285 0.0003 0.0069 2767052 DGKI 4.2260 0.0003 0.0069 2760406 PSMD9 -4.2260 0.0003 0.0069 2760416 CSNK1G1 4.2250 0.0003 0.0069 2767412 -4.2233 0.0003 0.0069 27694507 TMEM69 -4.2227 0.0003	2761974		4.2418	0.0003	0.0067
2799403 ADPRHL2 -4.2403 0.0003 0.0067 2779261 IAPP 4.2397 0.0003 0.0067 2764928 ANKRD10 -4.2392 0.0003 0.0067 2798819 ING1 -4.6280 0.0001 0.0039 278122 NETO1 4.2378 0.0003 0.0067 2788499 ING1 -4.6280 0.0001 0.0039 2789653 ARPP21 4.2353 0.0003 0.0068 2768154 TMEM189 -4.2325 0.0003 0.0062 2765196 EGR1 4.3456 0.0002 0.0061 2783840 C10RF149 -4.2285 0.0003 0.0069 2767052 DGKI 4.2260 0.0003 0.0069 2760406 PSMD9 -4.2260 0.0003 0.0069 2760378 NECAB1 4.2250 0.0003 0.0069 2767412 -4.2233 0.0003 0.0069 27769412 -4.2233 0.0003 0.0069	2792098	ATIC	-4.2413	0.0003	0.0067
2779261 IAPP 4.2397 0.0003 0.0067 2764928 ANKRD10 -4.2392 0.0003 0.0067 279819 MAPKSIP1 4.2386 0.0001 0.0039 2788499 ING1 -4.6280 0.0001 0.0039 2771282 NETO1 4.2378 0.0003 0.0068 2768153 ARPP21 4.2353 0.0003 0.0068 2765196 EGR1 4.3456 0.0002 0.0061 2763840 CIORF149 -4.2285 0.0003 0.0069 2767495 CPSF6 4.2273 0.0003 0.0069 2760406 PSMD9 -4.2260 0.0003 0.0069 2760416 CSNK1G1 4.2250 0.0003 0.0069 2764196 CSNK1G1 4.2250 0.0003 0.0069 2764197 EIF2C3 4.2238 0.0003 0.0069 27694507 TMEM69 -4.2227 0.0003 0.0069 2768965 HSGST1 4.2185	2782740	DEGS1	4.2409	0.0003	0.0067
2764928 ANKRD10 -4.2392 0.0003 0.0067 2798499 ING1 -4.6280 0.0001 0.0039 278499 ING1 -4.6280 0.0001 0.0039 2789653 ARPP21 4.2378 0.0003 0.0068 2768154 TMEM189 -4.2325 0.0003 0.0068 2768150 EGR1 4.3456 0.0002 0.0061 2783840 C10RF149 -4.2285 0.0003 0.0069 2767052 DGKI 4.2260 0.0003 0.0069 2760406 PSMD9 -4.2260 0.0003 0.0069 2760416 CSNK1G1 4.2250 0.0003 0.0069 2764196 CSNK1G1 4.2251 0.0003 0.0069 276794 EIF2C3 4.2238 0.0003 0.0069 2779068 KDSR -4.2227 0.0003 0.0069 2764196 TMEM69 -4.2224 0.0003 0.0069 2764507 TMEM69 -4.2215	2799403	ADPRHL2	-4.2403	0.0003	0.0067
2799819 MAPK8IP1 4.2386 0.0003 0.0067 2788499 ING1 -4.6280 0.0001 0.0039 2771282 NETO1 4.2378 0.0003 0.0067 2788653 ARPP21 4.2353 0.0003 0.0068 2765196 EGR1 4.3456 0.0002 0.0061 2783840 C10RF149 -4.2285 0.0003 0.0069 2767052 DGKI 4.2260 0.0003 0.0069 2760406 PSMD9 -4.2260 0.0003 0.0069 2760378 NECAB1 4.2251 0.0003 0.0069 2764196 CSNK1G1 4.2250 0.0003 0.0069 2764197 EIF2C3 4.238 0.0003 0.0069 2764196 KDSR -4.2227 0.0003 0.0069 2764197 TMEM69 -4.2224 0.0003 0.0069 2768965 HS6ST1 4.211 0.0003 0.0069 2789322 NFYA -4.216	2779261	IAPP	4.2397	0.0003	0.0067
2788499 ING1 -4.6280 0.0001 0.0039 2771282 NETO1 4.2378 0.0003 0.0067 2789653 ARPP21 4.2353 0.0003 0.0068 2765156 EGR1 4.3456 0.0002 0.0061 2783840 C1ORF149 -4.2285 0.0003 0.0669 2767052 DGKI 4.2260 0.0003 0.0669 2760406 PSMD9 -4.2260 0.0003 0.0069 2764196 CSNK1G1 4.2251 0.0003 0.0069 2764196 CSNK1G1 4.2251 0.0003 0.0069 2777694 EIF2C3 4.2238 0.0003 0.0069 2764197 TMEM69 -4.2227 0.0003 0.0069 2768965 HS6ST1 4.2211 0.0003 0.0069 2768965 HS6ST1 4.2211 0.0003 0.0069 2789322 NFYA -4.2116 0.0003 0.0069 2789322 NFYA -4.2156	2764928	ANKRD10	-4.2392	0.0003	0.0067
2771282 NETO1 4.2378 0.0003 0.0067 2789653 ARPP21 4.2353 0.0003 0.0068 2765196 EGR1 4.3456 0.0002 0.0061 2783840 C10RF149 -4.2285 0.0003 0.0069 2767052 DGKI 4.2260 0.0003 0.0069 276052 DGKI 4.2260 0.0003 0.0069 2760752 DGKI 4.2260 0.0003 0.0069 2760378 NECAB1 4.2251 0.0003 0.0069 2764196 CSNK1G1 4.2250 0.0003 0.0069 27674196 EIF2C3 4.2238 0.0003 0.0069 27674196 EIF2C3 4.2238 0.0003 0.0069 27674197 TMEM69 -4.2227 0.0003 0.0069 2764507 TMEM69 -4.2224 0.0003 0.0069 2760184 4.2311 0.0003 0.0062 2760185 NETO1 4.2185 0.0003	2799819	MAPK8IP1	4.2386	0.0003	0.0067
2789653 ARPP21 4.2353 0.0003 0.0068 2768154 TMEM189 -4.2325 0.0003 0.0068 2765196 EGR1 4.3456 0.0002 0.0061 2783840 C1ORF149 -4.2285 0.0003 0.0069 2767052 DGKI 4.2260 0.0003 0.0069 2760406 PSMD9 -4.2260 0.0003 0.0069 2760378 NECAB1 4.2251 0.0003 0.0069 2767494 EIF2C3 4.2238 0.0003 0.0069 2767412 -4.2230 0.0003 0.0069 2764507 TMEM69 -4.2227 0.0003 0.0069 2768965 HS6ST1 4.2211 0.0003 0.0069 2768965 HS6ST1 4.2111 0.0003 0.0069 2769865 HS6ST1 4.2185 0.0003 0.0069 276328 NETO1 4.2185 0.0003 0.0062 2769455 KIAA0895L -4.2150 0.0003 <td>2788499</td> <td>ING1</td> <td>-4.6280</td> <td>0.0001</td> <td>0.0039</td>	2788499	ING1	-4.6280	0.0001	0.0039
2768154 TMEM189 -4.2325 0.0003 0.0068 2765196 EGR1 4.3456 0.0002 0.0061 2783840 C1ORF149 -4.2285 0.0003 0.0069 2777495 CPSF6 4.2273 0.0003 0.0069 2767052 DGKI 4.2260 0.0003 0.0069 2760406 PSMD9 -4.2260 0.0003 0.0069 2760378 NECAB1 4.2251 0.0003 0.0069 2764196 CSNK1G1 4.2250 0.0003 0.0069 2764197 EIF2C3 4.2238 0.0003 0.0069 2767412 -4.2230 0.0003 0.0069 2764507 TMEM69 -4.2227 0.0003 0.0069 2764507 TMEM69 -4.2224 0.0003 0.0069 2768965 HS6ST1 4.2211 0.0003 0.0069 2761184 4.3348 0.0002 0.0062 2770786 NETO1 4.2185 0.0003 0.0070	2771282	NETO1	4.2378	0.0003	0.0067
2765196 EGR1 4.3456 0.0002 0.0061 2783840 C1ORF149 -4.2285 0.0003 0.0069 2767052 DGKI 4.2260 0.0003 0.0069 2790406 PSMD9 -4.2260 0.0003 0.0069 2760378 NECAB1 4.2251 0.0003 0.0069 2764196 CSNK1G1 4.2250 0.0003 0.0069 2767412 -4.2230 0.0003 0.0069 2764507 TMEM69 -4.2227 0.0003 0.0069 2768965 HS6ST1 4.2211 0.0003 0.0069 2761184 4.3348 0.0002 0.0062 2770786 NETO1 4.2185 0.0003 0.0069 2789322 NFYA -4.2176 0.0003 0.0062 2795485 KIAA0895L -4.2150 0.0003 0.0070 2795485 KIAA0895L -4.2150 0.0003 0.0070 2795485 KIAA0895L -4.2150 0.0003 0.	2789653	ARPP21	4.2353	0.0003	0.0068
2783840 C1ORF149 -4.2285 0.0003 0.0069 2777495 CPSF6 4.2273 0.0003 0.0069 2767052 DGKI 4.2260 0.0003 0.0069 2760378 NECAB1 4.2251 0.0003 0.0069 2764196 CSNK1G1 4.2250 0.0003 0.0069 2767412 -4.2230 0.0003 0.0069 2764507 TMEM69 -4.2227 0.0003 0.0069 2768965 HS6ST1 4.2211 0.0003 0.0069 2760786 NETO1 4.2185 0.0003 0.0069 2769322 NFYA -4.2176 0.0003 0.0069 2789322 NFYA -4.2176 0.0003 0.0070 2795485 KIAA0895L -4.2176 0.0003 0.0070 2795485 KIAA0895L -4.2150 0.0003 0.0070 2757686 APOA1BP -4.2144 0.0003 0.0070 2757686 APOA1BP -4.2139 0.	2768154	TMEM189	-4.2325	0.0003	0.0068
2777495 CPSF6 4.2273 0.0003 0.0069 2767052 DGKI 4.2260 0.0003 0.0069 2790406 PSMD9 -4.2260 0.0003 0.0069 2760378 NECAB1 4.2251 0.0003 0.0069 2767419 CSNK1G1 4.2250 0.0003 0.0069 2767412 -4.2230 0.0003 0.0069 27674507 TMEM69 -4.2227 0.0003 0.0069 2764507 TMEM69 -4.2224 0.0003 0.0069 2768965 HS6ST1 4.211 0.0003 0.0069 2761184 4.3348 0.0002 0.0062 276786 NETO1 4.2185 0.0003 0.0069 2789322 NFYA -4.2176 0.0003 0.0070 2795485 KIAA0895L -4.2156 0.0003 0.0070 2799422 TIAL1 -4.2144 0.0003 0.0070 2757686 APOA1BP -4.2139 0.0003 0.0070 <td>2765196</td> <td>EGR1</td> <td>4.3456</td> <td>0.0002</td> <td>0.0061</td>	2765196	EGR1	4.3456	0.0002	0.0061
2767052 DGKI 4.2260 0.0003 0.0069 2790406 PSMD9 -4.2260 0.0003 0.0069 2760378 NECAB1 4.2251 0.0003 0.0069 2764196 CSNK1G1 4.2250 0.0003 0.0069 2767412 -4.2238 0.0003 0.0069 2779068 KDSR -4.2227 0.0003 0.0069 2764507 TMEM69 -4.2224 0.0003 0.0069 2764507 TMEM69 -4.2224 0.0003 0.0069 2764507 TMEM69 -4.2211 0.0003 0.0069 2761184 4.3348 0.0002 0.0062 2767865 HS6ST1 4.2115 0.0003 0.0069 2789322 NFYA -4.2176 0.0003 0.0070 2795485 KIAA0895L -4.2150 0.0003 0.0070 2795485 KIAA0895L -4.2145 0.0003 0.0070 2757686 APOA1BP -4.2139 0.0003 0.0	2783840	C1ORF149	-4.2285	0.0003	0.0069
2790406 PSMD9 -4.2260 0.0003 0.0069 2760378 NECAB1 4.2251 0.0003 0.0069 2764196 CSNK1G1 4.2250 0.0003 0.0069 2777694 EIF2C3 4.2238 0.0003 0.0069 2767412 -4.2230 0.0003 0.0069 2779068 KDSR -4.2227 0.0003 0.0069 2764507 TMEM69 -4.2224 0.0003 0.0069 2761184 4.3348 0.0002 0.0062 2770786 NETO1 4.2185 0.0003 0.0069 2789322 NFYA -4.2176 0.0003 0.0070 2795485 KIAA0895L -4.2150 0.0003 0.0070 2799442 TIAL1 -4.2144 0.0003 0.0070 2757686 APOA1BP -4.2139 0.0003 0.0070 2757866 APOA1BP -4.2139 0.0003 0.0070 2758014 TPM2 4.3288 0.0002 0.0063 </td <td>2777495</td> <td>CPSF6</td> <td>4.2273</td> <td>0.0003</td> <td>0.0069</td>	2777495	CPSF6	4.2273	0.0003	0.0069
2760378 NECAB1 4.2251 0.0003 0.0069 2764196 CSNK1G1 4.2250 0.0003 0.0069 2777694 EIF2C3 4.2238 0.0003 0.0069 2767412 -4.2230 0.0003 0.0069 2779068 KDSR -4.2227 0.0003 0.0069 2764507 TMEM69 -4.2224 0.0003 0.0069 2761184 4.3348 0.0002 0.0062 2770786 NETO1 4.2185 0.0003 0.0069 2789322 NFYA -4.2176 0.0003 0.0070 2795485 KIAA0895L -4.2150 0.0003 0.0070 2799422 TIAL1 -4.2144 0.0003 0.0070 2757686 APOA1BP -4.2139 0.0003 0.0070 2758014 TPM2 4.3288 0.0002 0.0063 2777214 4.2127 0.0003 0.0070 275869 XP_002194193.1 -4.2125 0.0003 0.0070	2767052	DGKI	4.2260	0.0003	0.0069
2764196 CSNK1G1 4.2250 0.0003 0.0069 2777694 EIF2C3 4.2238 0.0003 0.0069 2767412 -4.2230 0.0003 0.0069 2779068 KDSR -4.2227 0.0003 0.0069 2764507 TMEM69 -4.2224 0.0003 0.0069 2768965 HS6ST1 4.2211 0.0003 0.0069 2761184 4.3348 0.0002 0.0062 2770786 NETO1 4.2185 0.0003 0.0070 2789322 NFYA -4.2176 0.0003 0.0070 2795485 KIAA0895L -4.2150 0.0003 0.0070 2795485 KIAA0895L -4.2150 0.0003 0.0070 2799442 TIAL1 -4.2144 0.0003 0.0070 2757686 APOA1BP -4.2139 0.0003 0.0070 27578014 TPM2 4.3288 0.0002 0.0063 2777214 4.2127 0.0003 0.0070 <tr< td=""><td>2790406</td><td>PSMD9</td><td>-4.2260</td><td>0.0003</td><td>0.0069</td></tr<>	2790406	PSMD9	-4.2260	0.0003	0.0069
2777694 EIF2C3 4.2238 0.0003 0.0069 2767412 -4.2230 0.0003 0.0069 2779068 KDSR -4.2227 0.0003 0.0069 2764507 TMEM69 -4.2224 0.0003 0.0069 2768965 HS6ST1 4.2211 0.0003 0.0069 2761184 4.3348 0.0002 0.0062 2770786 NETO1 4.2185 0.0003 0.0069 2789322 NFYA -4.2176 0.0003 0.0070 2795485 KIAA0895L -4.2150 0.0003 0.0070 2792044 -4.2145 0.0003 0.0070 2799422 TIAL1 -4.2144 0.0003 0.0070 2757686 APOA1BP -4.2139 0.0003 0.0070 27578014 TPM2 4.3288 0.0002 0.0063 2777214 4.2127 0.0003 0.0070 276955 XP_002194193.1 -4.2125 0.0003 0.0070 276283	2760378	NECAB1	4.2251	0.0003	0.0069
2767412 -4.2230 0.0003 0.0069 2779068 KDSR -4.2227 0.0003 0.0069 2764507 TMEM69 -4.2224 0.0003 0.0069 2768965 HS6ST1 4.2211 0.0003 0.0069 2761184 4.3348 0.0002 0.0062 2770786 NETO1 4.2185 0.0003 0.0069 2789322 NFYA -4.2176 0.0003 0.0070 2795485 KIAA0895L -4.2150 0.0003 0.0070 2799422 TIAL1 -4.2144 0.0003 0.0070 2757686 APOA1BP -4.2139 0.0003 0.0070 2757686 APOA1BP -4.2139 0.0003 0.0070 27578014 TPM2 4.3288 0.0002 0.0063 2777214 4.2127 0.0003 0.0070 276955 XP_002194193.1 -4.2125 0.0003 0.0070 2762832 PNPT1 4.2114 0.0003 0.0070 2758609 G3BP2 4.2105 0.0003 0.0070	2764196	CSNK1G1	4.2250	0.0003	0.0069
2779068 KDSR -4.2227 0.0003 0.0069 2764507 TMEM69 -4.2224 0.0003 0.0069 2768965 HS6ST1 4.2211 0.0003 0.0069 2761184 4.3348 0.0002 0.0062 2770786 NETO1 4.2185 0.0003 0.0069 2789322 NFYA -4.2176 0.0003 0.0070 2795485 KIAA0895L -4.2150 0.0003 0.0070 2799044 -4.2145 0.0003 0.0070 2757686 APOA1BP -4.2139 0.0003 0.0070 2757686 APOA1BP -4.2139 0.0003 0.0070 27578014 TPM2 4.3288 0.0002 0.0063 2777214 4.2127 0.0003 0.0070 276955 XP_002194193.1 -4.2125 0.0003 0.0070 2762832 PNPT1 4.2114 0.0003 0.0070 2758609 G3BP2 4.2106 0.0003 0.0070	2777694	EIF2C3	4.2238	0.0003	0.0069
2764507 TMEM69 -4.2224 0.0003 0.0069 2768965 HS6ST1 4.2211 0.0003 0.0069 2761184 4.3348 0.0002 0.0062 2770786 NETO1 4.2185 0.0003 0.0070 2789322 NFYA -4.2176 0.0003 0.0070 2771455 NAB1 4.2161 0.0003 0.0070 2792044 -4.2150 0.0003 0.0070 2799422 TIAL1 -4.2144 0.0003 0.0070 2757686 APOA1BP -4.2139 0.0003 0.0070 2758014 TPM2 4.3288 0.0002 0.0063 2777214 4.2127 0.0003 0.0070 2776955 XP_002194193.1 -4.2125 0.0003 0.0070 2762832 PNPT1 4.2118 0.0003 0.0070 2758609 G3BP2 4.2106 0.0003 0.0070 2770348 FAF2 4.2095 0.0003 0.0070 2770348 FAF2 4.2085 0.0003 0.0070	2767412		-4.2230	0.0003	0.0069
2764507 TMEM69 -4.2224 0.0003 0.0069 2768965 HS6ST1 4.2211 0.0003 0.0069 2761184 4.3348 0.0002 0.0062 2770786 NETO1 4.2185 0.0003 0.0070 2789322 NFYA -4.2176 0.0003 0.0070 2771455 NAB1 4.2161 0.0003 0.0070 2792044 -4.2150 0.0003 0.0070 2799422 TIAL1 -4.2144 0.0003 0.0070 2757686 APOA1BP -4.2139 0.0003 0.0070 2758014 TPM2 4.3288 0.0002 0.0063 2777214 4.2127 0.0003 0.0070 2776955 XP_002194193.1 -4.2125 0.0003 0.0070 2762832 PNPT1 4.2118 0.0003 0.0070 2758609 G3BP2 4.2106 0.0003 0.0070 2770348 FAF2 4.2095 0.0003 0.0070 2770348 FAF2 4.2085 0.0003 0.0070	2779068	KDSR		0.0003	0.0069
2761184 4.3348 0.0002 0.0062 2770786 NETO1 4.2185 0.0003 0.0069 2789322 NFYA -4.2176 0.0003 0.0070 2771455 NAB1 4.2161 0.0003 0.0070 2795485 KIAA0895L -4.2150 0.0003 0.0070 2799044 -4.2145 0.0003 0.0070 2799422 TIAL1 -4.2144 0.0003 0.0070 2757686 APOA1BP -4.2139 0.0003 0.0070 27576910 MAP3K3 -4.2139 0.0003 0.0070 2758014 TPM2 4.3288 0.0002 0.063 2777214 4.2127 0.0003 0.0070 276955 XP_002194193.1 -4.2125 0.0003 0.0070 2762832 PNPT1 4.2118 0.0003 0.0070 2758609 G3BP2 4.2106 0.0003 0.0070 2758609 G3BP2 4.2060 0.0003 0.0070 2770348 FAF2 4.2085 0.0003 0.0070	2764507	TMEM69	-4.2224	0.0003	0.0069
2770786 NETO1 4.2185 0.0003 0.0069 2789322 NFYA -4.2176 0.0003 0.0070 2771455 NAB1 4.2161 0.0003 0.0070 2795485 KIAA0895L -4.2150 0.0003 0.0070 2792044 -4.2145 0.0003 0.0070 2799422 TIAL1 -4.2144 0.0003 0.0070 2757686 APOA1BP -4.2139 0.0003 0.0070 2758014 TPM2 4.3288 0.0002 0.063 2777214 4.2127 0.0003 0.0070 276955 XP_002194193.1 -4.2125 0.0003 0.0070 2762832 PNPT1 4.2118 0.0003 0.0070 2769250 -4.2106 0.0003 0.0070 2758609 G3BP2 4.2105 0.0003 0.0070 2770348 FAF2 4.2095 0.0003 0.0070 2771909 ISL1 4.2073 0.0003 0.0070	2768965	HS6ST1	4.2211	0.0003	0.0069
2789322 NFYA -4.2176 0.0003 0.0070 2771455 NAB1 4.2161 0.0003 0.0070 2795485 KIAA0895L -4.2150 0.0003 0.0070 2792044 -4.2145 0.0003 0.0070 2799422 TIAL1 -4.2144 0.0003 0.0070 2757686 APOA1BP -4.2139 0.0003 0.0070 2767010 MAP3K3 -4.2139 0.0003 0.0070 2758014 TPM2 4.3288 0.0002 0.063 2777214 4.2127 0.0003 0.0070 2776955 XP_002194193.1 -4.2125 0.0003 0.0070 2762832 PNPT1 4.2118 0.0003 0.0070 2762832 PNPT1 4.2114 0.0003 0.0070 2758609 G3BP2 4.2105 0.0003 0.0070 2770348 FAF2 4.2095 0.0003 0.0070 2771909 ISL1 4.2073 0.0003 0.0070 2767777 TRIM9 4.2069 0.0003 0.0070 <	2761184		4.3348	0.0002	0.0062
2771455 NAB1 4.2161 0.0003 0.0070 2795485 KIAA0895L -4.2150 0.0003 0.0070 2792044 -4.2145 0.0003 0.0070 2799422 TIAL1 -4.2144 0.0003 0.0070 2757686 APOA1BP -4.2139 0.0003 0.0070 2767010 MAP3K3 -4.2139 0.0003 0.0070 2758014 TPM2 4.3288 0.0002 0.0063 2777214 4.2127 0.0003 0.0070 2776955 XP_002194193.1 -4.2125 0.0003 0.0070 2762832 PNPT1 4.2118 0.0003 0.0070 2769250 -4.2106 0.0003 0.0070 2758609 G3BP2 4.2105 0.0003 0.0070 2770348 FAF2 4.2085 0.0003 0.0070 2771909 ISL1 4.2073 0.0003 0.0070 2767777 TRIM9 4.2069 0.0003 0.0070 2778696 CD164 4.2069 0.0003 0.0070	2770786	NETO1	4.2185	0.0003	0.0069
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2789322	NFYA	-4.2176	0.0003	0.0070
2792044 -4.2145 0.0003 0.0070 2799422 TIAL1 -4.2144 0.0003 0.0070 2757686 APOA1BP -4.2139 0.0003 0.0070 2767010 MAP3K3 -4.2139 0.0003 0.0070 2758014 TPM2 4.3288 0.0002 0.0063 2777214 4.2127 0.0003 0.0070 276955 XP_002194193.1 -4.2125 0.0003 0.0070 2762832 PNPT1 4.2118 0.0003 0.0070 2769250 -4.2106 0.0003 0.0070 2758609 G3BP2 4.2105 0.0003 0.0070 2770348 FAF2 4.2095 0.0003 0.0070 2771909 ISL1 4.2073 0.0003 0.0070 2767777 TRIM9 4.2069 0.0003 0.0070 2778696 CD164 4.2069 0.0003 0.0070 2774723 PHLDA1 -4.2046 0.0003 0.0070	2771455	NAB1	4.2161	0.0003	0.0070
2799422 TIAL1 -4.2144 0.0003 0.0070 2757686 APOA1BP -4.2139 0.0003 0.0070 2767010 MAP3K3 -4.2139 0.0003 0.0070 2758014 TPM2 4.3288 0.0002 0.063 2777214 4.2127 0.0003 0.0070 276955 XP_002194193.1 -4.2125 0.0003 0.0070 2762832 PNPT1 4.2114 0.0003 0.0070 2769250 -4.2106 0.0003 0.0070 2758609 G3BP2 4.2105 0.0003 0.0070 2770348 FAF2 4.2095 0.0003 0.0070 2760266 TMX2 -4.2085 0.0003 0.0070 2767777 TRIM9 4.2069 0.0003 0.0070 2778696 CD164 4.2069 0.0003 0.0070 2774723 PHLDA1 -4.2046 0.0003 0.0070	2795485	KIAA0895L	-4.2150	0.0003	0.0070
2757686 APOA1BP -4.2139 0.0003 0.0070 2767010 MAP3K3 -4.2139 0.0003 0.0070 2758014 TPM2 4.3288 0.0002 0.0063 2777214 4.2127 0.0003 0.0070 2776955 XP_002194193.1 -4.2125 0.0003 0.0070 2794416 C20ORF4 -4.2118 0.0003 0.0070 2762832 PNPT1 4.2114 0.0003 0.0070 2769250 -4.2106 0.0003 0.0070 2758609 G3BP2 4.2105 0.0003 0.0070 2770348 FAF2 4.2095 0.0003 0.0070 2760266 TMX2 -4.2085 0.0003 0.0070 2771909 ISL1 4.2073 0.0003 0.0070 2778696 CD164 4.2069 0.0003 0.0070 2774723 PHLDA1 -4.2046 0.0003 0.0070	2792044		-4.2145	0.0003	0.0070
2767010 MAP3K3 -4.2139 0.0003 0.0070 2758014 TPM2 4.3288 0.0002 0.0063 2777214 4.2127 0.0003 0.0070 2776955 XP_002194193.1 -4.2125 0.0003 0.0070 2794416 C20ORF4 -4.2118 0.0003 0.0070 2762832 PNPT1 4.2114 0.0003 0.0070 2758609 G3BP2 4.2106 0.0003 0.0070 2770348 FAF2 4.2095 0.0003 0.0070 2760266 TMX2 -4.2085 0.0003 0.0070 2771909 ISL1 4.2073 0.0003 0.0070 2778696 CD164 4.2069 0.0003 0.0070 2774723 PHLDA1 -4.2046 0.0003 0.0070	2799422	TIAL1	-4.2144	0.0003	0.0070
2758014 TPM2 4.3288 0.0002 0.0063 2777214 4.2127 0.0003 0.0070 2776955 XP_002194193.1 -4.2125 0.0003 0.0070 2794416 C20ORF4 -4.2118 0.0003 0.0070 2762832 PNPT1 4.2114 0.0003 0.0070 2758609 G3BP2 4.2105 0.0003 0.0070 2770348 FAF2 4.2095 0.0003 0.0070 2771909 ISL1 4.2073 0.0003 0.0070 2767777 TRIM9 4.2069 0.0003 0.0070 2778696 CD164 4.2069 0.0003 0.0070 2774723 PHLDA1 -4.2046 0.0003 0.0070	2757686	APOA1BP	-4.2139	0.0003	0.0070
2758014 TPM2 4.3288 0.0002 0.0063 2777214 4.2127 0.0003 0.0070 2776955 XP_002194193.1 -4.2125 0.0003 0.0070 2794416 C20ORF4 -4.2118 0.0003 0.0070 2762832 PNPT1 4.2114 0.0003 0.0070 2758609 G3BP2 4.2105 0.0003 0.0070 2770348 FAF2 4.2095 0.0003 0.0070 2771909 ISL1 4.2073 0.0003 0.0070 2767777 TRIM9 4.2069 0.0003 0.0070 2778696 CD164 4.2069 0.0003 0.0070 2774723 PHLDA1 -4.2046 0.0003 0.0070	2767010	MAP3K3	-4.2139	0.0003	0.0070
2776955 XP_002194193.1 -4.2125 0.0003 0.0070 2794416 C20ORF4 -4.2118 0.0003 0.0070 2762832 PNPT1 4.2114 0.0003 0.0070 2769250 -4.2106 0.0003 0.0070 2758609 G3BP2 4.2105 0.0003 0.0070 2770348 FAF2 4.2095 0.0003 0.0070 2760266 TMX2 -4.2085 0.0003 0.0070 2771909 ISL1 4.2073 0.0003 0.0070 2767777 TRIM9 4.2069 0.0003 0.0070 2778696 CD164 4.2069 0.0003 0.0070 2774723 PHLDA1 -4.2046 0.0003 0.0070	2758014	TPM2	4.3288	0.0002	
2794416 C20ORF4 -4.2118 0.0003 0.0070 2762832 PNPT1 4.2114 0.0003 0.0070 2769250 -4.2106 0.0003 0.0070 2758609 G3BP2 4.2105 0.0003 0.0070 2770348 FAF2 4.2095 0.0003 0.0070 2760266 TMX2 -4.2085 0.0003 0.0070 2771909 ISL1 4.2073 0.0003 0.0070 2767777 TRIM9 4.2069 0.0003 0.0070 2778696 CD164 4.2069 0.0003 0.0070 2774723 PHLDA1 -4.2046 0.0003 0.0070	2777214		4.2127	0.0003	0.0070
2762832 PNPT1 4.2114 0.0003 0.0070 2769250 -4.2106 0.0003 0.0070 2758609 G3BP2 4.2105 0.0003 0.0070 2770348 FAF2 4.2095 0.0003 0.0070 2760266 TMX2 -4.2085 0.0003 0.0070 2771909 ISL1 4.2073 0.0003 0.0070 2767777 TRIM9 4.2069 0.0003 0.0070 2778696 CD164 4.2069 0.0003 0.0070 2774723 PHLDA1 -4.2046 0.0003 0.0070	2776955	XP_002194193.1	-4.2125	0.0003	0.0070
2769250 -4.2106 0.0003 0.0070 2758609 G3BP2 4.2105 0.0003 0.0070 2770348 FAF2 4.2095 0.0003 0.0070 2760266 TMX2 -4.2085 0.0003 0.0070 2771909 ISL1 4.2073 0.0003 0.0070 2767777 TRIM9 4.2069 0.0003 0.0070 2778696 CD164 4.2069 0.0003 0.0070 2774723 PHLDA1 -4.2046 0.0003 0.0070	2794416	C20ORF4	-4.2118	0.0003	0.0070
2758609 G3BP2 4.2105 0.0003 0.0070 2770348 FAF2 4.2095 0.0003 0.0070 2760266 TMX2 -4.2085 0.0003 0.0070 2771909 ISL1 4.2073 0.0003 0.0070 2767777 TRIM9 4.2069 0.0003 0.0070 2778696 CD164 4.2069 0.0003 0.0070 2774723 PHLDA1 -4.2046 0.0003 0.0070	2762832	PNPT1	4.2114	0.0003	0.0070
2770348 FAF2 4.2095 0.0003 0.0070 2760266 TMX2 -4.2085 0.0003 0.0070 2771909 ISL1 4.2073 0.0003 0.0070 2767777 TRIM9 4.2069 0.0003 0.0070 2778696 CD164 4.2069 0.0003 0.0070 2774723 PHLDA1 -4.2046 0.0003 0.0070	2769250		-4.2106	0.0003	0.0070
2760266 TMX2 -4.2085 0.0003 0.0070 2771909 ISL1 4.2073 0.0003 0.0070 2767777 TRIM9 4.2069 0.0003 0.0070 2778696 CD164 4.2069 0.0003 0.0070 2774723 PHLDA1 -4.2046 0.0003 0.0070	2758609	G3BP2	4.2105	0.0003	0.0070
2771909 ISL1 4.2073 0.0003 0.0070 2767777 TRIM9 4.2069 0.0003 0.0070 2778696 CD164 4.2069 0.0003 0.0070 2774723 PHLDA1 -4.2046 0.0003 0.0070	2770348	FAF2	4.2095	0.0003	0.0070
2767777 TRIM9 4.2069 0.0003 0.0070 2778696 CD164 4.2069 0.0003 0.0070 2774723 PHLDA1 -4.2046 0.0003 0.0070	2760266	TMX2	-4.2085	0.0003	0.0070
2767777 TRIM9 4.2069 0.0003 0.0070 2778696 CD164 4.2069 0.0003 0.0070 2774723 PHLDA1 -4.2046 0.0003 0.0070	2771909	ISL1	4.2073	0.0003	0.0070
2774723 PHLDA1 -4.2046 0.0003 0.0070	2767777	TRIM9	4.2069	0.0003	0.0070
	2778696	CD164	4.2069	0.0003	0.0070
2779171 DGKI 4.3195 0.0002 0.0063	2774723	PHLDA1	-4.2046	0.0003	0.0070
	2779171	DGKI	4.3195	0.0002	0.0063

	gene_symbols	t	P.Value	adj.P.Val
2793734	C1ORF174	-4.3173	0.0002	0.0064
2767704	HSPE1	-4.3173 -4.1977	0.0002	0.0004
2786351	BAZ2B	-4.1977 -4.1970	0.0003	0.0071
2786553	CALM1	-4.1970 -4.1961	0.0003	0.0071 0.0071
2771978	CKS1B	-4.1961 -4.1960	0.0003	0.0071 0.0071
2798315	COL11A1	-4.1960 -4.1955	0.0003	0.0071 0.0071
2762497	SP9	-4.1953 -4.1953	0.0003	0.0071 0.0071
2774619	ZBTB47	-4.1955 -4.1951	0.0003	0.0071
2788572	WNK1	$\frac{-4.1931}{4.1947}$	0.0003	0.0071
2778804	ARPC1A	4.1947 4.1928	0.0003	0.0071 0.0072
2791582	8-Mar	-4.1924	0.0003	0.0072 0.0072
2791382	PDE7B	-4.1924 -4.5721	0.0003	0.0072
2793589	CRK	-4.3721 -4.1890	0.0001	0.0043 0.0072
2789027	SLMO1	-4.1890 4.1879	0.0003	0.0072 0.0072
2799449	UFD1L	-4.1876	0.0003	0.0072 0.0072
2799449	H3F3B	$\frac{-4.1870}{4.1872}$	0.0003	0.0072 0.0072
2798300	MRAS		0.0003	0.0072 0.0072
2774845		-4.1871		
2764760	XP_002194412.1 ARPP19	-4.1850 4.1849	0.0003	0.0072
2772187	ARPP19	4.1849 -4.1843	0.0003	0.0072
2797762	SOD1	-4.1843 -4.1812	0.0003	0.0072
	50D1	-4.1812 -4.1810	0.0003 0.0003	0.0073
2758096 2794935				0.0073
	DOIDM1	4.1801	0.0003	0.0073
2792561	R3HDM1	4.1797	0.0003	0.0073
2797173	ASB3 AAMP	-4.1790	0.0003	0.0073
2786728	CYGB	-4.1785	0.0003	0.0073
2789561 2766393	SYMENSTGUG00000017248	-4.1775	0.0003	0.0073
2778642	ZC3H7A	-4.1772 -4.1765	0.0003 0.0003	0.0073 0.0073
2771728	ST3GAL3	-4.1763 -4.1763	0.0003	0.0073
2775442	SISGALS	-4.1765 -4.1755	0.0003	0.0073
2771059	PPP3CA	-4.1735 -4.1731	0.0003	0.0073
2775971	FFF3CA	-4.1731 -4.1715	0.0003	0.0073
2788436	PSME4	$\frac{-4.1713}{4.1702}$	0.0003	0.0073
2762882	WNT5A	-4.1702 -4.5448	0.0003	0.0074
2786081	ZMYND8	-4.1644	0.0001	0.0040 0.0074
2782069	PPP3CA	-4.1644 -4.1644	0.0003	0.0074 0.0074
2781833	UBE2A	$\frac{-4.1044}{4.1644}$	0.0003	0.0074
2798171	SLC2A3	4.1644 4.1634	0.0003	0.0074
2789983	MRPL38	-4.1595	0.0003	0.0075
2793061	BRI3	-4.1595 -4.1586	0.0003	0.0075
2772335	DI(13	-4.1300 -4.5305	0.0003	0.0013
2770795		-4.3503 -4.1571	0.0001	0.0040
2767613	GRSF1	-4.1571 -4.1545	0.0003	0.0075
2791675	KCNAB2	-4.1545 -4.1526	0.0003	0.0076
2786933	XP_002195769.1	-4.1520 -4.5234	0.0003	0.0070
2798139	EGR1	-4.5254 4.1515	0.0001	0.0047 0.0076
2778788	SF3B3	-4.1515 -4.1508	0.0003	0.0076
2798033	ANKMY2	$\frac{-4.1508}{4.1506}$	0.0003	0.0076
2771744	RAD51	-4.5190	0.0003	0.0070
2775457	SRP54	$\frac{-4.5190}{4.1427}$	0.0001 0.0004	0.0047 0.0077
2758457	NUS1	4.1427 4.1423	0.0004 0.0004	0.0077
2100401	11001	4.1420	0.0004	0.0011

	gene_symbols	t	P.Value	adj.P.Val
2770876	ZNF827	-4.1420	0.0004	0.0077
2795412		4.1415	0.0004	0.0077
2779079		4.1407	0.0004	0.0077
2774479		-4.2472	0.0003	0.0069
2794710	UAP1	4.1364	0.0004	0.0078
2775665	CSNK1G1	4.1344	0.0004	0.0079
2790167	PROSC	-4.1341	0.0004	0.0079
2789668	NSUN2	4.1335	0.0004	0.0079
2775059	ZMYND8	-4.1327	0.0004	0.0079
2778119	SPAST	-4.1317	0.0004	0.0079
2765155	GNG3	-4.1309	0.0004	0.0079
2758972	A2BP1	-4.1304	0.0004	0.0079
2776633	ZBTB6	-4.1295	0.0004	0.0079
2760504	WDR43	4.1277	0.0004	0.0079
2774956	A2BP1	-4.1241	0.0004	0.0080
2793400	BNIP3L	-4.1240	0.0004	0.0080
2764165	C1ORF55	4.1239	0.0004	0.0080
2791005	NCOA2	-4.1228	0.0004	0.0080
2783673	PPP2CA	4.1216	0.0004	0.0080
2758495	PAM	4.1211	0.0004	0.0080
2760818	TLE2	-4.4853	0.0002	0.0050
2780454	HINT3	-4.1200	0.0004	0.0080
2769658	KIAA0922	4.1200	0.0004	0.0080
2795509	TNRC18	-4.1199	0.0004	0.0080
2780498	GRM4	-4.1168	0.0004	0.0081
2771669	NXT2	-4.1167	0.0004	0.0081
2764958	PLK2	4.1157	0.0004	0.0081
2767407	TIMM9	-4.1144	0.0004	0.0081
2795999		4.1116	0.0004	0.0081
2766120		-4.1114	0.0004	0.0081
2779568	RNF126	4.1111	0.0004	0.0081
2790166	SYT4	4.1104	0.0004	0.0081
2790872		-4.1097	0.0004	0.0081
2796971	SYMENSTGUG00000002805	4.2180	0.0003	0.0072
2783316	SYNE1	4.1082	0.0004	0.0082
2792888		-4.1073	0.0004	0.0082
2766925	SERTAD2	4.2151	0.0003	0.0072
2764699		4.1033	0.0004	0.0082
2793679	ACTB	4.0985	0.0004	0.0083
2778590	C14ORF159	-4.0983	0.0004	0.0083
2793867	EIF2AK3	-4.2049	0.0003	0.0073
2763203	SERTAD2	4.2048	0.0003	0.0073
2793588	LFNG	4.2032	0.0003	0.0073
2777792		-4.0940	0.0004	0.0084
2777335	NTRK2	4.0927	0.0004	0.0084
2768420	C10ORF2	4.0917	0.0004	0.0084
2793121	MYL12A	4.0885	0.0004	0.0085
2790709	DIMEG	-4.0877	0.0004	0.0085
2794597	RIMS1	4.0866	0.0004	0.0085
2794783	CACNB4	4.0860	0.0004	0.0085
2762776	MBNL1	-4.0848	0.0004	0.0085
2780956	PPP2R2A	4.0842	0.0004	0.0085

2777085 C9ORF125 -4.4378 0.0002 0.0054 2771000 CAT -4.0807 0.0004 0.0086 2778030 ARHGEF18 -4.0802 0.0004 0.0086 2787522 CXCL14 4.0792 0.0004 0.0086 2779867 PPP3CA -4.0785 0.0004 0.0086 2794062 FBXL10 -4.0783 0.0004 0.0086 2790112 ARPP-21 4.0758 0.0004 0.0086 2776371 ATG5 -4.0753 0.0004 0.0086 2796848 NSUN2 4.0743 0.0004 0.0087		gene_symbols	t	P.Value	adj.P.Val
2771000 CAT	2782348	2/2/11	-4.0837	0.0004	0.0085
2778030 ARHGEF18	2777085	C9ORF125	-4.4378	0.0002	0.0054
2787522 CXCL14 4.0792 0.0004 0.0086 2779867 PPB3CA -4.0785 0.0004 0.0086 279012 ARPP-21 4.0783 0.0004 0.0086 2790112 ARPP-21 4.0758 0.0004 0.0086 2776371 ATG5 -4.0753 0.0004 0.0087 2766403 NLK 4.0743 0.0004 0.0087 2776264 POLRID-2 -4.0734 0.0004 0.0087 27869251 LFNG 4.1789 0.0003 0.0076 2797711 DEGS1 4.0714 0.0004 0.0087 2788994 SLC6A6 4.0714 0.0004 0.0087 2781578 CEBPZ -4.0683 0.0004 0.0087 2781578 CEBPZ -4.0683 0.0004 0.0088 277640 CHST11 4.0650 0.0004 0.0088 2775760 CHST11 4.0650 0.0004 0.0088 2799715 NUCKS1 -4.0629	2771000	CAT	-4.0807	0.0004	0.0086
2779867 PPP3CA -4.0785 0.0004 0.0086 2790112 PBXL10 -4.0783 0.0004 0.0086 2770112 ARPP-21 4.0758 0.0004 0.0086 2776371 ATG5 -4.0753 0.0004 0.0087 2796848 NSUN2 4.0743 0.0004 0.0087 2769624 POLRID-2 -4.0734 0.0004 0.0087 2769251 LFNG 4.1789 0.0003 0.0076 2788994 SLC6A6 4.0714 0.0004 0.0087 2788994 SLC6A6 4.0714 0.0004 0.0087 2776398 MYL12A 4.0693 0.0004 0.0087 2776398 MYL12A 4.0693 0.0004 0.0087 27769488 CBRS 4.0662 0.0004 0.0088 2775376 PPP2CA 4.0643 0.0004 0.0088 277915 NUCKS1 -4.0629 0.0004 0.0088 2799791 MBNL1 -4.0604	2778030	ARHGEF18	-4.0802	0.0004	0.0086
2794062 FBXL10 -4.0783 0.0004 0.0086 2790112 ARPP-21 4.0758 0.0004 0.0086 2776371 ATG5 -4.0753 0.0004 0.0086 2796848 NSUN2 4.0743 0.0004 0.0087 2769403 NLK 4.0739 0.0004 0.0087 2769251 LFNG 4.1789 0.0003 0.0076 2797711 DEGS1 4.0714 0.0004 0.0087 2788994 SLC6A6 4.0714 0.0004 0.0087 2776398 MYL12A 4.0693 0.0004 0.0087 2776398 MYL12A 4.0693 0.0004 0.0087 2781578 CEBPZ -4.0683 0.0004 0.0088 277640 CHST11 4.0662 0.0004 0.0088 2781412 NAA25 4.0633 0.0004 0.0088 2787915 NUCKS1 -4.0629 0.0004 0.0088 2787915 MBNL1 -4.0629 <	2787522	CXCL14	4.0792	0.0004	0.0086
2790112 ARPP-21 4.0758 0.0004 0.0086 2776371 ATG5 -4.0753 0.0004 0.0086 2796848 NSUN2 4.0743 0.0004 0.0087 2769403 NLK 4.0734 0.0004 0.0087 2776264 POLR1D-2 -4.0734 0.0004 0.0087 2797711 DEGS1 4.0714 0.0004 0.0087 2788994 SLC6A6 4.0714 0.0004 0.0087 2786957 NCKIPSD -4.0712 0.0004 0.087 2776398 MYL12A 4.0693 0.0004 0.087 2786948 CDK8 4.0662 0.0004 0.088 2776488 CEBPZ -4.0683 0.0004 0.088 2777640 CHST11 4.06650 0.0004 0.088 277576 PPP2CA 4.0643 0.0004 0.088 2759715 NUCKS1 -4.0629 0.0004 0.088 2759756 PP2CA 4.0640 <td< td=""><td>2779867</td><td>PPP3CA</td><td>-4.0785</td><td>0.0004</td><td>0.0086</td></td<>	2779867	PPP3CA	-4.0785	0.0004	0.0086
2776371 ATG5 -4.0753 0.0004 0.0087 2796848 NSUN2 4.0743 0.0004 0.0087 2769403 NLK 4.0739 0.0004 0.0087 2769251 LFNG 4.1789 0.0003 0.0076 2797711 DEGS1 4.0714 0.0004 0.0087 2788994 SLC6A6 4.0714 0.0004 0.0087 2776398 MYL12A 4.0693 0.0004 0.087 2776398 MYL12A 4.0693 0.0004 0.087 2781578 CEBPZ -4.0683 0.0004 0.088 27776498 CDK8 4.0662 0.0004 0.088 2777640 CHST11 4.0650 0.0004 0.088 2777540 CHST11 4.0664 0.0004 0.088 27757576 PPP2CA 4.0643 0.0004 0.088 2759791 MBNL1 -4.0629 0.0004 0.088 2759791 MBNL1 -4.0629 0.0004	2794062	FBXL10	-4.0783	0.0004	0.0086
2796848 NSUN2 4.0743 0.0004 0.0087 2769403 NLK 4.0739 0.0004 0.0087 2776264 POLR1D-2 -4.0734 0.0004 0.0087 2797511 LFNG 4.1789 0.0003 0.0076 2797711 DEGS1 4.0714 0.0004 0.0087 2788994 SLC6A6 4.0712 0.0004 0.0087 2776398 MYL12A 4.0693 0.0004 0.0087 2781578 CEBPZ -4.0683 0.0004 0.0087 2769488 CDK8 4.0662 0.0004 0.0088 2777640 CHST11 4.0650 0.0004 0.0088 2775376 PPP2CA 4.0643 0.0004 0.0088 2781412 NAA25 4.0629 0.0004 0.0088 2797915 NUCKS1 -4.0629 0.0004 0.0088 2759791 MBNL1 -4.0604 0.0004 0.0088 2795952 ASAP1 -4.0558	2790112	ARPP-21	4.0758	0.0004	0.0086
2769403 NLK 4.0739 0.0004 0.0087 2776264 POLRID-2 -4.0734 0.0004 0.0087 2769251 LFNG 4.1789 0.0003 0.0076 2797711 DEGS1 4.0714 0.0004 0.0087 2788894 SLC6A6 4.0712 0.0004 0.0087 2796957 NCKIPSD -4.0712 0.0004 0.0087 2761578 CEBPZ -4.0683 0.0004 0.0087 2781578 CEBPZ -4.0683 0.0004 0.0088 27769488 CDK8 4.0662 0.0004 0.0088 2777640 CHST11 4.06650 0.0004 0.0088 2775767 PPP2CA 4.0643 0.0004 0.0088 2775715 PPP2CA 4.0643 0.0004 0.0088 2759791 MBNL1 -4.0629 0.0004 0.0088 2759791 MBNL1 -4.0604 0.0004 0.0089 279552 ASAP1 4.0538	2776371	ATG5	-4.0753	0.0004	0.0086
2776264 POLR1D-2 -4.0734 0.0004 0.0087 2769251 LFNG 4.1789 0.0003 0.076 2787711 DEGS1 4.0714 0.0004 0.0087 2788994 SLC6A6 4.0714 0.0004 0.0087 2786957 NCKIPSD -4.0712 0.0004 0.0087 2776398 MYL12A 4.0693 0.0004 0.0087 2781578 CEBPZ -4.0683 0.0004 0.0087 2769488 CDK8 4.0662 0.0004 0.0088 2777640 CHST11 4.0650 0.0004 0.0088 2777640 CHST11 4.0663 0.0004 0.0088 2781412 NAA25 4.0639 0.0004 0.0088 2781412 NAA25 4.0629 0.0004 0.0088 2759791 MBNL1 -4.0604 0.0004 0.0088 2759791 MSL -4.0558 0.0004 0.0089 2797569 C3ORF37 -4.0554	2796848	NSUN2	4.0743	0.0004	0.0087
2769251 LFNG 4.1789 0.0003 0.0076 2797711 DEGS1 4.0714 0.0004 0.0087 2788994 SLC6A6 4.0714 0.0004 0.0087 2776398 MYL12A 4.0693 0.0004 0.0087 2781578 CEBPZ -4.0683 0.0004 0.0087 2769488 CDK8 4.0662 0.0004 0.0088 2777640 CHST11 4.0650 0.0004 0.0088 2775376 PPP2CA 4.0639 0.0004 0.0088 2781412 NAA25 4.0609 0.0004 0.0088 2789791 MBNL1 -4.0604 0.0004 0.0088 2797569 C3ORF37 -4.0558 <t< td=""><td>2769403</td><td>NLK</td><td>4.0739</td><td>0.0004</td><td>0.0087</td></t<>	2769403	NLK	4.0739	0.0004	0.0087
2769251 LFNG 4.1789 0.0003 0.0076 2797711 DEGS1 4.0714 0.0004 0.0087 2788994 SLC6A6 4.0714 0.0004 0.0087 2776398 MYL12A 4.0693 0.0004 0.0087 2781578 CEBPZ -4.0683 0.0004 0.0087 2769488 CDK8 4.0662 0.0004 0.0088 2777640 CHST11 4.0650 0.0004 0.0088 2775376 PPP2CA 4.0639 0.0004 0.0088 2781412 NAA25 4.0609 0.0004 0.0088 2789791 MBNL1 -4.0604 0.0004 0.0088 2797569 C3ORF37 -4.0558 <t< td=""><td>2776264</td><td>POLR1D-2</td><td></td><td>0.0004</td><td></td></t<>	2776264	POLR1D-2		0.0004	
2797711 DEGS1 4.0714 0.0004 0.0087 2788994 SLC6A6 4.0714 0.0004 0.0087 2796957 NCKIPSD -4.0712 0.0004 0.0087 2781578 CEBPZ -4.0683 0.0004 0.0087 2769488 CDK8 4.0662 0.0004 0.0088 2777640 CHST11 4.0650 0.0004 0.0088 2781412 NAA25 4.0639 0.0004 0.0088 2781412 NAA25 4.0639 0.0004 0.0088 278915 NUCKS1 -4.0629 0.0004 0.0088 2789791 MBNL1 -4.0609 0.0004 0.0088 2759791 MBNL1 -4.0604 0.004 0.0088 2759792 TAOK1 -4.0558 0.0004 0.0089 2799527 ASAP1 4.0538 0.0004 0.0089 2785785 PDCD4 -4.0554 0.0004 0.0090 278504 RPP38 4.041 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
2788994 SLC6A6 4.0714 0.0004 0.0087 2796957 NCKIPSD -4.0712 0.0004 0.0087 2776398 MYL12A 4.0693 0.0004 0.0087 2781578 CEBPZ -4.0683 0.0004 0.0088 2769488 CDK8 4.0662 0.0004 0.0088 27777640 CHST11 4.0650 0.0004 0.0088 2775376 PPP2CA 4.0643 0.0004 0.0088 2781412 NAA25 4.0639 0.0004 0.0088 2787915 NUCKS1 -4.0629 0.0004 0.0088 2759791 MBNL1 -4.0604 0.0004 0.0088 2759791 MBNL1 -4.0604 0.0004 0.0088 2765858 DGKZ 4.0604 0.0004 0.0089 2797569 C3ORF37 -4.0554 0.0004 0.0089 2798578 PDCD4 -4.0517 0.0004 0.0092 2784596 AOF1 4.0517					
2796957 NCKIPSD -4.0712 0.0004 0.0087 2776398 MYL12A 4.0693 0.0004 0.0087 2781578 CEBPZ -4.0683 0.0004 0.0087 2769488 CDK8 4.0662 0.0004 0.0088 2777640 CHST11 4.0650 0.0004 0.0088 2775376 PPP2CA 4.0643 0.0004 0.0088 2781412 NAA25 4.0639 0.0004 0.0088 2797915 NUCKS1 -4.0629 0.0004 0.0088 2759791 MBNL1 -4.0604 0.0004 0.0088 2797569 C3ORF37 -4.0558 0.0004 0.0089 279540 AOF1 4.0517 0.0004 0.0090 2785785 PDCD4 -4.0505					
2776398 MYL12A 4.0693 0.0004 0.0087 2781578 CEBPZ -4.0683 0.0004 0.0087 2769488 CDK8 4.0662 0.0004 0.0088 2777640 CHST11 4.0650 0.0004 0.0088 2775376 PPP2CA 4.0643 0.0004 0.0088 2781412 NAA25 4.0639 0.0004 0.0088 2797915 NUCKS1 -4.0629 0.0004 0.0088 2759791 MBNL1 -4.0604 0.0004 0.0088 2759791 MBNL1 -4.0604 0.0004 0.0088 2765858 DGKZ 4.0604 0.0004 0.0088 2797569 C3ORF37 -4.0558 0.0004 0.0089 279527 ASAP1 4.0517 0.0004 0.0090 2784960 AOF1 4.0517 0.0004 0.0090 2785785 PDCD4 -4.0505 0.0004 0.0090 279842 A2BP1 -4.0493 <					
2781578 CEBPZ -4.0683 0.0004 0.0087 2769488 CDK8 4.0662 0.0004 0.0088 2777640 CHST11 4.0650 0.0004 0.0088 2775376 PPP2CA 4.0643 0.0004 0.0088 2781412 NAA25 4.0639 0.0004 0.0088 2797915 NUCKS1 -4.0629 0.0004 0.0088 2759791 MBNL1 -4.0604 0.0004 0.0088 2759791 MBNL1 -4.0604 0.0004 0.0088 2765858 DGKZ 4.0604 0.0004 0.0088 277042 TAOK1 -4.0558 0.0004 0.0089 2797569 C3ORF37 -4.0554 0.0004 0.0089 2799527 ASAP1 4.0538 0.0004 0.0090 2784960 AOF1 4.0517 0.0004 0.0090 2779542 A2BP1 -4.0493 0.0004 0.0090 2779648 RPP38 4.0491 <					
2769488 CDK8 4.0662 0.0004 0.0088 2777640 CHST11 4.0650 0.0004 0.0088 2775376 PPP2CA 4.0643 0.0004 0.0088 2781412 NAA25 4.0639 0.0004 0.0088 2797915 NUCKS1 -4.0629 0.0004 0.0088 2759791 MBNL1 -4.0604 0.0004 0.0088 2765858 DGKZ 4.0604 0.0004 0.0088 2770042 TAOK1 -4.0558 0.0004 0.0089 2799527 ASAP1 4.0538 0.0004 0.0089 2799527 ASAP1 4.0538 0.0004 0.0090 2784960 AOF1 4.0517 0.0004 0.0090 2779542 A2BP1 -4.0493 0.0004 0.0090 2779543 RPP38 4.0491 0.0004 0.0090 2779544 A2BP1 -4.0493 0.0004 0.0090 2772768 MRPL17 -4.0452 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
2777640 CHST11 4.0650 0.0004 0.0088 2775376 PPP2CA 4.0643 0.0004 0.0088 2781412 NAA25 4.0639 0.0004 0.0088 2797915 NUCKS1 -4.0629 0.0004 0.0088 2759791 MBNL1 -4.0604 0.0004 0.0088 2765858 DGKZ 4.0604 0.0004 0.0089 277042 TAOK1 -4.0558 0.0004 0.0089 2797569 C3ORF37 -4.0554 0.0004 0.0089 27984960 AOF1 4.0538 0.0004 0.0090 2784960 AOF1 4.0517 0.0004 0.0090 2785785 PDCD4 -4.0505 0.0004 0.0090 2779542 A2BP1 -4.0493 0.0004 0.0090 2779580 RPP38 4.0491 0.0004 0.0090 2772768 MRPL17 -4.0452 0.0005 0.0091 2779708 ATP1B4-2 -4.0447					
2775376 PPP2CA 4.0643 0.0004 0.0088 2781412 NAA25 4.0639 0.0004 0.0088 2797915 NUCKS1 -4.0629 0.0004 0.0088 2759791 MBNL1 -4.0604 0.0004 0.0088 276042 TAOK1 -4.0558 0.0004 0.0089 2797569 C3ORF37 -4.0554 0.0004 0.0089 279527 ASAP1 4.0538 0.0004 0.0090 2784960 AOF1 4.0517 0.0004 0.0090 2785785 PDCD4 -4.0505 0.0004 0.0090 2785785 PDCD4 -4.0493 0.0004 0.0090 2779542 A2BP1 -4.0493 0.0004 0.0090 2779804 RPP38 4.0491 0.0004 0.0090 2772768 MRPL17 -4.0452 0.0005 0.0091 27797708 ATP1B4-2 -4.0447 0.0005 0.0091 27796790 XRN1 4.0440					
2781412 NAA25 4.0639 0.0004 0.0088 2797915 NUCKS1 -4.0629 0.0004 0.0088 2759791 MBNL1 -4.0604 0.0004 0.0088 2765858 DGKZ 4.0604 0.0004 0.0089 2779769 C3ORF37 -4.0558 0.0004 0.0089 2799527 ASAP1 4.0538 0.0004 0.0090 2784960 AOF1 4.0517 0.0004 0.0090 2785785 PDCD4 -4.0505 0.0004 0.0090 2779804 RP38 4.0491 0.0004 0.0090 2779804 RP38 4.0491 0.0004 0.0090 2772768 MRPL17 -4.0452 0.0005 0.0091 2784519 -4.0451 0.0005 0.0091 27970708 ATP1B4-2 -4.0447 0.0005 0.0091 2796790 XRN1 4.0440 0.0005 0.0091 2798251 SLC36A1 4.0426 0.0005 0.0091 2798251 SLC36A1 -4.0418 0.0005 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
2797915 NUCKS1 -4.0629 0.0004 0.0088 2759791 MBNL1 -4.0604 0.0004 0.0088 2765858 DGKZ 4.0604 0.0004 0.0088 2770042 TAOK1 -4.0558 0.0004 0.0089 2797569 C3ORF37 -4.0554 0.0004 0.0090 2784960 AOF1 4.0517 0.0004 0.0090 2785785 PDCD4 -4.0505 0.0004 0.0090 2779542 A2BP1 -4.0493 0.0004 0.0090 2779804 RP38 4.0491 0.0004 0.0090 2796511 FAM110B 4.0486 0.0004 0.0090 27784519 -4.0452 0.0005 0.0091 2784519 -4.0451 0.0005 0.0091 2796770 ATP1B4-2 -4.0447 0.0005 0.0091 2796790 XRN1 4.0444 0.0005 0.0091 2779802 TBC1D30 4.0426 0.0005 0.0091					
2759791 MBNL1 -4.0604 0.0004 0.0088 2765858 DGKZ 4.0604 0.0004 0.0088 2770042 TAOK1 -4.0558 0.0004 0.0089 2797569 C3ORF37 -4.0554 0.0004 0.0090 2784960 AOF1 4.0517 0.0004 0.0090 2785785 PDCD4 -4.0505 0.0004 0.0090 2779804 RPP38 4.0491 0.0004 0.0090 2796511 FAM110B 4.0486 0.0004 0.0090 2772768 MRPL17 -4.0452 0.0005 0.0091 2784519 -4.0451 0.0005 0.0091 2796790 XRN1 4.0447 0.0005 0.0091 2796790 XRN1 4.0440 0.0005 0.0091 2774151 PSMD11 4.0440 0.0005 0.0091 276092 TBC1D30 4.0426 0.0005 0.0091 2798251 SLC36A1 -4.0418 0.0005 0.0091 2789428 -4.0415 0.0005 0.0091					
2765858 DGKZ 4.0604 0.0004 0.0088 2770042 TAOK1 -4.0558 0.0004 0.0089 2797569 C3ORF37 -4.0554 0.0004 0.0089 2799527 ASAP1 4.0538 0.0004 0.0090 2784960 AOF1 4.0517 0.0004 0.0090 2785785 PDCD4 -4.0505 0.0004 0.0090 2779804 RP938 4.0491 0.0004 0.0090 2779804 RP938 4.0491 0.0004 0.0090 2772768 MRPL17 -4.0452 0.0005 0.0091 2784519 -4.0451 0.0005 0.0091 279708 ATP1B4-2 -4.0447 0.0005 0.0091 2796790 XRN1 4.0444 0.0005 0.0091 2760092 TBC1D30 4.0426 0.0005 0.0091 279802 ZNF326 4.0422 0.0005 0.0091 2784228 -4.0415 0.0005 0.0091 2789142 RANBP9 -4.0389 0.0005 0.0092					
2770042 TAOK1 -4.0558 0.0004 0.0089 2797569 C3ORF37 -4.0554 0.0004 0.0089 2799527 ASAP1 4.0538 0.0004 0.0090 2784960 AOF1 4.0517 0.0004 0.0090 2785785 PDCD4 -4.0505 0.0004 0.0090 2779804 RPP38 4.0491 0.0004 0.0090 2795511 FAM110B 4.0486 0.0004 0.0090 2772768 MRPL17 -4.0452 0.0005 0.0091 2784519 -4.04451 0.0005 0.0091 279708 ATP1B4-2 -4.0447 0.0005 0.0091 2796790 XRN1 4.0444 0.0005 0.0091 2760092 TBC1D30 4.0426 0.0005 0.0091 2799802 ZNF326 4.0422 0.0005 0.0091 2798251 SLC36A1 -4.0418 0.0005 0.0091 2789428 -4.0415 0.0005 0.0092 2799328 FBXO21 -4.0359 0.0005 0.0092					
2797569 C3ORF37 -4.0554 0.0004 0.0089 2799527 ASAP1 4.0538 0.0004 0.0090 2784960 AOF1 4.0517 0.0004 0.0090 2785785 PDCD4 -4.0505 0.0004 0.0090 2779542 A2BP1 -4.0493 0.0004 0.0090 2779804 RPP38 4.0491 0.0004 0.0090 2796511 FAM110B 4.0486 0.0004 0.0090 2772768 MRPL17 -4.0452 0.0005 0.0091 2784519 -4.0451 0.0005 0.0091 2797708 ATP1B4-2 -4.0447 0.0005 0.0091 2796790 XRN1 4.0444 0.0005 0.0091 2774151 PSMD11 4.0440 0.0005 0.0091 276092 TBC1D30 4.0426 0.0005 0.0091 2798251 SLC36A1 -4.0418 0.0005 0.0091 2784228 -4.0415 0.0005 0.0091 27994048 -4.3897 0.0002 0.0057					
2799527 ASAP1 4.0538 0.0004 0.0090 2784960 AOF1 4.0517 0.0004 0.0090 2785785 PDCD4 -4.0505 0.0004 0.0090 2779542 A2BP1 -4.0493 0.0004 0.0090 2779804 RPP38 4.0491 0.0004 0.0090 2796511 FAM110B 4.0486 0.0004 0.0090 2772768 MRPL17 -4.0452 0.0005 0.0091 2784519 -4.0451 0.0005 0.0091 2797708 ATP1B4-2 -4.0447 0.0005 0.0091 2796790 XRN1 4.0444 0.0005 0.0091 2760092 TBC1D30 4.0440 0.0005 0.0091 2799802 ZNF326 4.0422 0.0005 0.0091 2798251 SLC36A1 -4.0418 0.0005 0.0091 2794048 -4.0415 0.0005 0.0092 2799328 FBXO21 -4.0359 0.0005 0.0092 2775724 DCLK1 4.0352 0.0005 0.0092					
2784960 AOF1 4.0517 0.0004 0.0090 2785785 PDCD4 -4.0505 0.0004 0.0090 2779542 A2BP1 -4.0493 0.0004 0.0090 2779804 RPP38 4.0491 0.0004 0.0090 2796511 FAM110B 4.0486 0.0004 0.0090 2772768 MRPL17 -4.0452 0.0005 0.0091 2784519 -4.0451 0.0005 0.0091 279708 ATP1B4-2 -4.0447 0.0005 0.0091 2796790 XRN1 4.0444 0.0005 0.0091 2760092 TBC1D30 4.0426 0.0005 0.0091 2799802 ZNF326 4.0422 0.0005 0.0091 2798251 SLC36A1 -4.0418 0.0005 0.0091 2784228 -4.0415 0.0005 0.0091 27990328 FBXO21 -4.0359 0.0005 0.0092 2778704 HS6ST1 4.0356 0.0005 0.0092 275524 DCLK1 4.0341 0.0005 0.0092					
2785785 PDCD4 -4.0505 0.0004 0.0090 2779542 A2BP1 -4.0493 0.0004 0.0090 2779804 RPP38 4.0491 0.0004 0.0090 2796511 FAM110B 4.0486 0.0004 0.0090 2772768 MRPL17 -4.0452 0.0005 0.0091 2784519 -4.0451 0.0005 0.0091 279708 ATP1B4-2 -4.0447 0.0005 0.0091 2796790 XRN1 4.0444 0.0005 0.0091 2760092 TBC1D30 4.0426 0.0005 0.0091 2799802 ZNF326 4.0422 0.0005 0.0091 2798251 SLC36A1 -4.0418 0.0005 0.0091 2784228 -4.0415 0.0005 0.0091 2794048 -4.3897 0.0002 0.0057 2789142 RANBP9 -4.0383 0.0005 0.0092 2778704 HS6ST1 4.0356 0.0005 0.0092 275524 DCLK1 4.0352 0.0005 0.0092					
2779542 A2BP1 -4.0493 0.0004 0.0090 2779804 RPP38 4.0491 0.0004 0.0090 2796511 FAM110B 4.0486 0.0004 0.0090 2772768 MRPL17 -4.0452 0.0005 0.0091 2784519 -4.0451 0.0005 0.0091 2779708 ATP1B4-2 -4.0447 0.0005 0.0091 2796790 XRN1 4.0444 0.0005 0.0091 2774151 PSMD11 4.0440 0.0005 0.0091 2760092 TBC1D30 4.0426 0.0005 0.0091 2798251 SLC36A1 -4.0418 0.0005 0.0091 2784228 -4.0415 0.0005 0.0091 2794048 -4.3897 0.0002 0.0057 2789142 RANBP9 -4.0383 0.0005 0.0092 279328 FBXO21 -4.0359 0.0005 0.0092 2757524 DCLK1 4.0356 0.0005 0.0092 2757524 DCLK1 4.0341 0.0005 0.0092					
2779804 RPP38 4.0491 0.0004 0.0090 2796511 FAM110B 4.0486 0.0004 0.0090 2772768 MRPL17 -4.0452 0.0005 0.0091 2784519 -4.0451 0.0005 0.0091 2779708 ATP1B4-2 -4.0447 0.0005 0.0091 2796790 XRN1 4.0444 0.0005 0.0091 2774151 PSMD11 4.0440 0.0005 0.0091 2760092 TBC1D30 4.0426 0.0005 0.0091 2798251 SLC36A1 -4.0418 0.0005 0.0091 2798251 SLC36A1 -4.0418 0.0005 0.0091 2794048 -4.0415 0.0005 0.0091 2799328 FBXO21 -4.0383 0.0005 0.0092 2797704 HS6ST1 4.0359 0.0005 0.0092 2757524 DCLK1 4.0352 0.0005 0.0092 2757524 DCLK1 4.0341 0.0005 0.0092 2795042 TMEM93 -4.0339 0.0005 0.0093					
2796511 FAM110B 4.0486 0.0004 0.0090 2772768 MRPL17 -4.0452 0.0005 0.0091 2784519 -4.0451 0.0005 0.0091 2779708 ATP1B4-2 -4.0447 0.0005 0.0091 2796790 XRN1 4.0444 0.0005 0.0091 2774151 PSMD11 4.0440 0.0005 0.0091 2760092 TBC1D30 4.0426 0.0005 0.0091 2798251 SLC36A1 -4.0418 0.0005 0.0091 2784228 -4.0415 0.0005 0.0091 2794048 -4.3897 0.0002 0.057 2789142 RANBP9 -4.0383 0.0005 0.0092 279328 FBXO21 -4.0359 0.0005 0.0092 2778704 HS6ST1 4.0352 0.0005 0.0092 2757524 DCLK1 4.1376 0.0004 0.0081 2779677 4.0341 0.0005 0.0092 2795042 TMEM93 -4.0311 0.0005 0.0093 2779396					
2772768 MRPL17 -4.0452 0.0005 0.0091 2784519 -4.0451 0.0005 0.0091 2779708 ATP1B4-2 -4.0447 0.0005 0.0091 2796790 XRN1 4.0444 0.0005 0.0091 2774151 PSMD11 4.0440 0.0005 0.0091 2760092 TBC1D30 4.0426 0.0005 0.0091 2798251 SLC36A1 -4.0418 0.0005 0.0091 2784228 -4.0415 0.0005 0.0091 2794048 -4.3897 0.0002 0.0057 2789142 RANBP9 -4.0383 0.0005 0.0092 2790328 FBXO21 -4.0359 0.0005 0.0092 2778704 HS6ST1 4.0356 0.0005 0.0092 2757524 DCLK1 4.1376 0.0004 0.0081 2770677 4.0341 0.0005 0.0092 2795042 TMEM93 -4.0311 0.0005 0.0093 2779396 FAM134C -4.0311 0.0005 0.0093					
2784519 -4.0451 0.0005 0.0091 2779708 ATP1B4-2 -4.0447 0.0005 0.0091 2796790 XRN1 4.0444 0.0005 0.0091 2774151 PSMD11 4.0440 0.0005 0.0091 2760092 TBC1D30 4.0426 0.0005 0.0091 2798251 SLC36A1 -4.0418 0.0005 0.0091 2784228 -4.0415 0.0005 0.0091 2794048 -4.3897 0.0002 0.0057 2789142 RANBP9 -4.0383 0.0005 0.0092 2790328 FBXO21 -4.0359 0.0005 0.0092 2778704 HS6ST1 4.0356 0.0005 0.0092 2757524 DCLK1 4.1376 0.0004 0.0081 2770677 4.0341 0.0005 0.0092 2795042 TMEM93 -4.0311 0.0005 0.0093 2779396 FAM134C -4.0311 0.0005 0.0093					
2779708 ATP1B4-2 -4.0447 0.0005 0.0091 2796790 XRN1 4.0444 0.0005 0.0091 2774151 PSMD11 4.0440 0.0005 0.0091 2760092 TBC1D30 4.0426 0.0005 0.0091 2798251 SLC36A1 -4.0418 0.0005 0.0091 2784228 -4.0415 0.0005 0.0091 2794048 -4.3897 0.0002 0.0057 2789142 RANBP9 -4.0383 0.0005 0.0092 2790328 FBXO21 -4.0359 0.0005 0.0092 2778704 HS6ST1 4.0356 0.0005 0.0092 2762767 SIK2 4.0352 0.0005 0.0092 2757524 DCLK1 4.1376 0.0004 0.0081 2795042 TMEM93 -4.0339 0.0005 0.0092 2779396 FAM134C -4.0311 0.0005 0.0093		WIRT LIT			
2796790 XRN1 4.0444 0.0005 0.0091 2774151 PSMD11 4.0440 0.0005 0.0091 2760092 TBC1D30 4.0426 0.0005 0.0091 2799802 ZNF326 4.0422 0.0005 0.0091 2798251 SLC36A1 -4.0418 0.0005 0.0091 2784228 -4.0415 0.0005 0.0091 2794048 -4.3897 0.0002 0.0057 2789142 RANBP9 -4.0383 0.0005 0.0092 2790328 FBXO21 -4.0359 0.0005 0.0092 2778704 HS6ST1 4.0356 0.0005 0.0092 2762767 SIK2 4.0352 0.0005 0.0092 2757524 DCLK1 4.1376 0.0004 0.0081 2779677 4.0341 0.0005 0.0092 2779396 FAM134C -4.0311 0.0005 0.0093		ATD1D4 9			
2774151 PSMD11 4.0440 0.0005 0.0091 2760092 TBC1D30 4.0426 0.0005 0.0091 2799802 ZNF326 4.0422 0.0005 0.0091 2798251 SLC36A1 -4.0418 0.0005 0.0091 2784228 -4.0415 0.0005 0.0091 2794048 -4.3897 0.0002 0.057 2789142 RANBP9 -4.0383 0.0005 0.0092 2790328 FBXO21 -4.0359 0.0005 0.0092 2778704 HS6ST1 4.0356 0.0005 0.0092 2762767 SIK2 4.0352 0.0005 0.0092 2757524 DCLK1 4.1376 0.0004 0.0081 2779677 4.0341 0.0005 0.0092 2779396 FAM134C -4.0311 0.0005 0.0093					
2760092 TBC1D30 4.0426 0.0005 0.0091 2799802 ZNF326 4.0422 0.0005 0.0091 2798251 SLC36A1 -4.0418 0.0005 0.0091 2784228 -4.0415 0.0005 0.0091 2794048 -4.3897 0.0002 0.0057 2789142 RANBP9 -4.0383 0.0005 0.0092 2790328 FBXO21 -4.0359 0.0005 0.0092 2778704 HS6ST1 4.0356 0.0005 0.0092 2762767 SIK2 4.0352 0.0005 0.0092 2757524 DCLK1 4.1376 0.0004 0.0081 2779677 4.0341 0.0005 0.0092 2795042 TMEM93 -4.0339 0.0005 0.0092 2779396 FAM134C -4.0311 0.0005 0.0093					
2799802 ZNF326 4.0422 0.0005 0.0091 2798251 SLC36A1 -4.0418 0.0005 0.0091 2784228 -4.0415 0.0005 0.0091 2794048 -4.3897 0.0002 0.0057 2789142 RANBP9 -4.0383 0.0005 0.0092 2790328 FBXO21 -4.0359 0.0005 0.0092 2778704 HS6ST1 4.0356 0.0005 0.0092 2762767 SIK2 4.0352 0.0005 0.0092 2757524 DCLK1 4.1376 0.0004 0.0081 2770677 4.0341 0.0005 0.0092 2795042 TMEM93 -4.0339 0.0005 0.0092 2779396 FAM134C -4.0311 0.0005 0.0093					
2798251 SLC36A1 -4.0418 0.0005 0.0091 2784228 -4.0415 0.0005 0.0091 2794048 -4.3897 0.0002 0.0057 2789142 RANBP9 -4.0383 0.0005 0.0092 2790328 FBXO21 -4.0359 0.0005 0.0092 2778704 HS6ST1 4.0356 0.0005 0.0092 2762767 SIK2 4.0352 0.0005 0.0092 2757524 DCLK1 4.1376 0.0004 0.0081 2770677 4.0341 0.0005 0.0092 2795042 TMEM93 -4.0339 0.0005 0.0092 2779396 FAM134C -4.0311 0.0005 0.0093					
2784228 -4.0415 0.0005 0.0091 2794048 -4.3897 0.0002 0.0057 2789142 RANBP9 -4.0383 0.0005 0.0092 2790328 FBXO21 -4.0359 0.0005 0.0092 2778704 HS6ST1 4.0356 0.0005 0.0092 2762767 SIK2 4.0352 0.0005 0.0092 2757524 DCLK1 4.1376 0.0004 0.0081 2770677 4.0341 0.0005 0.0092 2795042 TMEM93 -4.0339 0.0005 0.0092 2779396 FAM134C -4.0311 0.0005 0.0093					
2794048 -4.3897 0.0002 0.0057 2789142 RANBP9 -4.0383 0.0005 0.0092 2790328 FBXO21 -4.0359 0.0005 0.0092 2778704 HS6ST1 4.0356 0.0005 0.0092 2762767 SIK2 4.0352 0.0005 0.0092 2757524 DCLK1 4.1376 0.0004 0.0081 2770677 4.0341 0.0005 0.0092 2795042 TMEM93 -4.0339 0.0005 0.0092 2779396 FAM134C -4.0311 0.0005 0.0093		SLC36A1			
2789142 RANBP9 -4.0383 0.0005 0.0092 2790328 FBXO21 -4.0359 0.0005 0.0092 2778704 HS6ST1 4.0356 0.0005 0.0092 2762767 SIK2 4.0352 0.0005 0.0092 2757524 DCLK1 4.1376 0.0004 0.0081 2770677 4.0341 0.0005 0.0092 2795042 TMEM93 -4.0339 0.0005 0.0092 2779396 FAM134C -4.0311 0.0005 0.0093					
2790328 FBXO21 -4.0359 0.0005 0.0092 2778704 HS6ST1 4.0356 0.0005 0.0092 2762767 SIK2 4.0352 0.0005 0.0092 2757524 DCLK1 4.1376 0.0004 0.0081 2770677 4.0341 0.0005 0.0092 2795042 TMEM93 -4.0339 0.0005 0.0092 2779396 FAM134C -4.0311 0.0005 0.0093		D A NIDDO			
2778704 HS6ST1 4.0356 0.0005 0.0092 2762767 SIK2 4.0352 0.0005 0.0092 2757524 DCLK1 4.1376 0.0004 0.0081 2770677 4.0341 0.0005 0.0092 2795042 TMEM93 -4.0339 0.0005 0.0092 2779396 FAM134C -4.0311 0.0005 0.0093					
2762767 SIK2 4.0352 0.0005 0.0092 2757524 DCLK1 4.1376 0.0004 0.0081 2770677 4.0341 0.0005 0.0092 2795042 TMEM93 -4.0339 0.0005 0.0092 2779396 FAM134C -4.0311 0.0005 0.0093					
2757524 DCLK1 4.1376 0.0004 0.0081 2770677 4.0341 0.0005 0.0092 2795042 TMEM93 -4.0339 0.0005 0.0092 2779396 FAM134C -4.0311 0.0005 0.0093					
2770677 4.0341 0.0005 0.0092 2795042 TMEM93 -4.0339 0.0005 0.0092 2779396 FAM134C -4.0311 0.0005 0.0093					
2795042 TMEM93 -4.0339 0.0005 0.0092 2779396 FAM134C -4.0311 0.0005 0.0093		DCLKI			
$2779396 \text{FAM134C} \qquad \qquad -4.0311 0.0005 \qquad 0.0093$					
2765929 BOC 4.1338 0.0004 0.0082					
	2765929	BOC	4.1338	0.0004	0.0082

2795268 DEGS1 4.0288 0.0005 0.002 2793068 FOS 4.0285 0.0005 0.002 2784726 IQGAP1 -4.0269 0.0005 0.002 2762378 NR1D2 -4.0230 0.0005 0.002 2793758 TTC39C -4.3680 0.0002 0.005 2793672 -4.3678 0.0005 0.002 2771505 -4.0223 0.0005 0.005 2764412 KIAA0895L -4.0221 0.0005 0.005 2757840 TET2 4.0170 0.0005 0.005 27792289 4.1191 0.0005 0.002 278383 CLIC3 -4.3596 0.0002 0.006 2789812 FTSJD2 -4.0143 0.0005 0.005 2761381 RIMS1 4.0119 0.0005 0.005 2789522 MNAT1 -4.0098 0.0005 0.005 2789533 MNCRIP 4.0098 0.0005 0.005 2789524<		gene_symbols	t	P.Value	adj.P.Val
2793068 FOS 4.0285 0.0005 0.005 2784726 IQGAP1 -4.0269 0.0005 0.005 2785409 -4.3680 0.0002 0.005 2785409 -4.3680 0.0002 0.005 2785758 TTC39C -4.0225 0.0005 0.002 2766412 KIAA0895L -4.0221 0.0005 0.005 2764412 KIAA0895L -4.0221 0.0005 0.005 2772289 4.1191 0.0004 0.008 2793383 CLIC3 -4.3596 0.0002 0.006 2793383 CLIC3 -4.3596 0.0005 0.005 2768121 -4.0145 0.0005 0.005 2763811 RIMS1 4.0119 0.0005 0.005 276381 RIMS1 4.0119 0.0005 0.005 276381 RIMS1 4.0119 0.0005 0.005 2789522 MNAT1 -4.0098 0.0005 0.005 2795671 SYNC	2775490	LUC7L2	4.0302	0.0005	0.0093
2784726 IQGAP1 -4.0269 0.0005 0.002 2762378 NR1D2 -4.0230 0.0005 0.002 2785409 -4.3680 0.0002 0.005 2793758 TTC39C -4.3678 0.0002 0.005 2796072 -4.3678 0.0005 0.002 2764412 KIAA0895L -4.0221 0.0005 0.002 2757840 TET2 4.0170 0.0005 0.002 2757840 TET2 4.0170 0.0005 0.002 2753338 CLIC3 -4.3596 0.0002 0.006 2768121 -4.0145 0.0005 0.002 2768121 FTSJD2 -4.0143 0.0005 0.002 2761381 RIMS1 4.0119 0.0005 0.002 2795671 SYNCRIP 4.0093 0.0005 0.002 2795671 SYNCRIP 4.0093 0.0005 0.002 2775054 KIAA1107 4.0083 0.0005 0.002 2	2795268	DEGS1	4.0288	0.0005	0.0093
2762378 NRID2 -4.0230 0.0005 0.005 2785409 -4.3680 0.0002 0.005 2793672 -4.3678 0.0005 0.005 2771505 -4.0223 0.0005 0.005 2764412 KIAA0895L -4.0221 0.0005 0.005 2757840 TET2 4.0170 0.0005 0.006 2775229 4.1191 0.0005 0.006 27793383 CLIC3 -4.3596 0.0002 0.006 2786121 -4.0145 0.0005 0.005 2766131 RIMS1 4.0119 0.0005 0.005 2789522 MNAT1 -4.0098 0.0005 0.005 2789532 MNAT1 -4.0098 0.0005 0.005 2795442 ST5 -4.0060 0.0005 0.005 2795442 ST5 -4.0060 0.0005 0.005 2776399 ATIC -4.0057 0.005 0.005 2778442 ST5 -4.0060	2793068	FOS	4.0285	0.0005	0.0093
2785409 -4.3680 0.0002 0.005 2793788 TTC39C -4.0225 0.0005 0.005 2796072 -4.3678 0.0002 0.005 2771505 -4.0223 0.0005 0.005 2764412 KIAA0895L -4.0221 0.0005 0.006 2757840 TET2 4.0170 0.0005 0.006 2772289 4.1191 0.0004 0.008 2793383 CLIC3 -4.3596 0.0005 0.006 2798121 FTSJD2 -4.0145 0.0005 0.006 2761381 RIMS1 4.0119 0.0005 0.006 2789527 SYNCRIP 4.0093 0.0005 0.006 2795671 SYNCRIP 4.0093 0.0005 0.006 2775054 KIAA1107 4.0083 0.0005 0.006 2776399 ATIC -4.0057 0.0005 0.006 2776399 ATIC -4.0057 0.0005 0.006 27829175	2784726	IQGAP1	-4.0269	0.0005	0.0094
2793758 TTC39C -4.0225 0.0005 0.005 2796072 -4.3678 0.0002 0.005 2771505 -4.0223 0.0005 0.005 2764412 KIAA0895L -4.0221 0.0005 0.002 2757840 TET2 4.0170 0.0005 0.002 2772289 4.1191 0.0004 0.008 2763121 -4.0145 0.0005 0.006 2768121 -4.0145 0.0005 0.006 2761381 RIMS1 4.0119 0.0005 0.006 2795671 SYNCRIP 4.0098 0.0005 0.006 2795673 KIAA1107 4.0083 0.0005 0.006 2794442 ST5 -4.0060 0.0005 0.006 2799175 TSC2D3 -4.0057 0.0005 0.006 2784941 -4.0060 0.0005 0.006 2789175 TGFBR1 -4.0040 0.0005 0.006 278281 TSC2D3 -4.0055 <td< td=""><td>2762378</td><td>NR1D2</td><td>-4.0230</td><td>0.0005</td><td>0.0094</td></td<>	2762378	NR1D2	-4.0230	0.0005	0.0094
2796072 -4.3678 0.0002 0.005 2764412 KIAA0895L -4.0223 0.0005 0.002 2757840 TET2 4.0170 0.0005 0.002 2772289 4.1191 0.0004 0.008 2793383 CLIC3 -4.3596 0.0002 0.006 2799812 FTSJD2 -4.0145 0.0005 0.008 2798933 RIMS1 4.0119 0.0005 0.008 2799812 FTSJD2 -4.0143 0.0005 0.008 2789532 MNAT1 -4.0098 0.0005 0.008 27895671 SYNCRIP 4.0093 0.0005 0.008 2795442 ST5 -4.0060 0.0005 0.008 2795442 TS -4.0060 0.0005 0.008 2779544 LAA1107 4.0083 0.0005 0.008 2776399 ATIC -4.0067 0.0005 0.008 27795286 TGFBR1 -4.0044 0.0005 0.008	2785409		-4.3680	0.0002	0.0059
2771505 -4.0223 0.0005 0.002 2764412 KIAA0895L -4.0221 0.0005 0.002 2757840 TET2 4.0170 0.0005 0.002 2772289 4.1191 0.0004 0.008 2793383 CLIC3 -4.3596 0.0002 0.006 2798121 -4.0145 0.0005 0.002 2798122 FTSJD2 -4.0143 0.0005 0.002 2789532 MNAT1 -4.0098 0.0005 0.002 27895671 SYNCRIP 4.0093 0.0005 0.002 2795671 SYNCRIP 4.0083 0.0005 0.002 2795442 ST5 -4.0060 0.0005 0.002 2776399 ATIC -4.0057 0.0005 0.002 2784941 -4.0057 0.0005 0.002 2782981 TESK1 -4.0044 0.0005 0.002 2782981 TESK1 -4.0044 0.0005 0.002 2782982 TES	2793758	TTC39C	-4.0225	0.0005	0.0094
2764412 KIAA0895L -4.0221 0.0005 0.005 2757840 TET2 4.0170 0.0005 0.002 2772289 4.1191 0.0004 0.008 2793383 CLIC3 -4.3596 0.0002 0.006 2768121 -4.0145 0.0005 0.002 2799812 FTSJD2 -4.0143 0.0005 0.002 2761381 RIMS1 4.0119 0.0005 0.002 2789532 MNAT1 -4.0088 0.0005 0.002 2795671 SYNCRIP 4.0093 0.0005 0.002 2775054 KIAA1107 4.0083 0.0005 0.002 2794442 ST5 -4.0060 0.0005 0.002 276393 ATIC -4.0057 0.0005 0.002 2784941 -4.0055 0.0005 0.002 2782981 TESK1 -4.0050 0.0005 0.002 2782986 TESK1 -4.0015 0.0005 0.002 2764612	2796072		-4.3678	0.0002	0.0059
2757840 TET2 4.0170 0.0005 0.002 2772289 4.1191 0.0004 0.008 2763333 CLIC3 4.3596 0.0002 0.006 2769812 FTSJD2 4.0145 0.0005 0.002 2761381 RIMS1 4.0119 0.0005 0.002 2789532 MNAT1 4.0098 0.0005 0.002 2795671 SYNCRIP 4.0083 0.0005 0.002 2775054 KIAA1107 4.0083 0.0005 0.002 2776442 ST5 -4.0060 0.0005 0.002 2776399 ATIC -4.0057 0.0005 0.002 2777265 TGFBR1 -4.0055 0.0005 0.002 2777265 TGFBR1 -4.0044 0.0005 0.002 2775586 4.0024 0.0005 0.002 2782981 TESK1 -4.0015 0.0005 0.002 276142 SESN2 -3.997 0.0005 0.002	2771505		-4.0223	0.0005	0.0094
2772289 4.1191 0.0004 0.008 2793383 CLIC3 -4.3596 0.0002 0.006 2768121 -4.0145 0.0005 0.008 2799812 FTSJD2 -4.0143 0.0005 0.008 2761381 RIMS1 4.0119 0.0005 0.008 2789532 MNAT1 -4.0098 0.0005 0.008 2795671 SYNCRIP 4.0093 0.0005 0.008 2795442 ST5 -4.0060 0.0005 0.008 2776399 ATIC -4.0057 0.0005 0.008 2799175 TSC22D3 -4.0055 0.0005 0.008 2784941 -4.0055 0.0005 0.008 2782981 TESK1 -4.0044 0.0005 0.008 2782981 TESK1 -4.0044 0.0005 0.008 276162 SESN2 -3.9977 0.0005 0.008 27637372 HSPE1 -3.9973 0.0005 0.008 2758807<	2764412	KIAA0895L	-4.0221	0.0005	0.0094
2793383 CLIC3 -4.3596 0.0002 0.006 2768121 -4.0145 0.0005 0.008 2799812 FTSJD2 -4.0143 0.0005 0.008 2761381 RIMS1 4.0119 0.0005 0.008 2789532 MNAT1 -4.0098 0.0005 0.008 2795671 SYNCRIP 4.0093 0.0005 0.008 2775054 KIAA1107 4.0083 0.0005 0.008 27763699 ATIC -4.0057 0.0005 0.008 2784941 -4.0057 0.0005 0.008 2784941 -4.0050 0.0005 0.008 2782981 TESK1 -4.0044 0.0005 0.008 2782981 TESK1 -4.0044 0.0005 0.008 276612 SESN2 -3.9977 0.0005 0.008 276372 HSPE1 -3.9973 0.0005 0.008 2778372 HSPE1 -3.9973 0.0005 0.008 278380	2757840	TET2	4.0170	0.0005	0.0095
2768121 -4.0145 0.0005 0.0005 2799812 FTSJD2 -4.0143 0.0005 0.008 2761381 RIMS1 4.0119 0.0005 0.008 2795671 SYNCRIP 4.0093 0.0005 0.008 2775054 KIAA1107 4.0083 0.0005 0.008 2794442 ST5 -4.0060 0.0005 0.008 2799175 TSC22D3 -4.0057 0.0005 0.008 2784941 -4.0050 0.0005 0.008 2795286 4.0024 0.0005 0.008 2782981 TESK1 -4.0044 0.0005 0.008 2782981 TESK1 -4.0015 0.0005 0.008 276162 SESN2 -3.9997 0.0005 0.008 2763781 HARS -3.9971 0.0005 0.008 276162 SESN2 -3.9997 0.0005 0.008 2763727 HSPE1 -3.3943 0.0005 0.008 2778381	2772289		4.1191	0.0004	0.0084
2799812 FTSJD2 -4.0143 0.0005 0.005 2761381 RIMS1 4.0119 0.0005 0.005 2789532 MNAT1 -4.0098 0.0005 0.005 2795671 SYNCRIP 4.0093 0.0005 0.006 2775054 KIAA1107 4.0083 0.0005 0.005 2794442 ST5 -4.0060 0.0005 0.005 2776399 ATIC -4.0057 0.0005 0.005 2799175 TSC22D3 -4.0055 0.0005 0.005 2784941 -4.0050 0.0005 0.005 2785286 TGFBR1 -4.0044 0.0005 0.005 2782981 TESK1 -4.0015 0.0005 0.005 2776168 H3F3B 4.0015 0.0005 0.005 2761612 SESN2 -3.9997 0.0005 0.005 277372 HSPE1 -3.9973 0.0005 0.005 2778819 HARS -3.9971 0.0005 0.0	2793383	CLIC3	-4.3596	0.0002	0.0060
2761381 RIMS1 4.0119 0.0005 0.002 2789532 MNAT1 -4.0098 0.0005 0.002 2795671 SYNCRIP 4.0093 0.0005 0.002 2775054 KIAA1107 4.0083 0.0005 0.002 2794442 ST5 -4.0060 0.0005 0.002 2779175 TSC22D3 -4.0057 0.0005 0.002 2784941 -4.0050 0.0005 0.002 2785286 4.0024 0.0005 0.002 2782981 TESK1 -4.0015 0.0005 0.002 2764612 SESN2 -3.9997 0.0005 0.002 2761142 -4.3394 0.0002 0.002 2763737 HSPE1 -3.9973 0.0005 0.002 2778819 HARS -3.9971 0.0005 0.002 2785807 CCT2 3.9971 0.0005 0.002 278338 EGR3 3.9942 0.0005 0.002 2784800	2768121		-4.0145	0.0005	0.0096
2789532 MNAT1 -4.0098 0.0005 0.002 2795671 SYNCRIP 4.0093 0.0005 0.002 2775054 KIAA1107 4.0083 0.0005 0.002 2794442 ST5 -4.0060 0.0005 0.002 276399 ATIC -4.0057 0.0005 0.002 2784941 -4.0050 0.0005 0.002 2777265 TGFBR1 -4.0044 0.0005 0.002 2782981 TESK1 -4.0015 0.0005 0.002 2782981 TESK1 -4.0015 0.0005 0.002 2764612 SESN2 -3.997 0.0005 0.002 27634612 SESN2 -3.997 0.0005 0.002 27634612 SESN2 -3.997 0.0005 0.002 2763819 HARS -3.9971 0.0005 0.002 2773372 HSPE1 -3.9973 0.0005 0.002 2758807 CCT2 3.9911 0.0005 0.002 </td <td>2799812</td> <td>FTSJD2</td> <td>-4.0143</td> <td>0.0005</td> <td>0.0096</td>	2799812	FTSJD2	-4.0143	0.0005	0.0096
2795671 SYNCRIP 4.0093 0.0005 0.009 2775054 KIAA1107 4.0083 0.0005 0.009 2794442 ST5 -4.0060 0.0005 0.009 2799175 TSC22D3 -4.0055 0.0005 0.009 2784941 -4.0050 0.0005 0.009 2797265 TGFBR1 -4.0044 0.0005 0.009 2795286 4.0024 0.0005 0.009 2782981 TESK1 -4.0015 0.0005 0.009 276168 H3F3B 4.0015 0.0005 0.009 2764612 SESN2 -3.9997 0.0005 0.009 2763372 HSPE1 -3.9973 0.0005 0.009 2778819 HARS -3.9971 0.0005 0.009 2758807 CCT2 3.9971 0.0005 0.009 2763982 3.9971 0.0005 0.009 2784800 CARS 3.9934 0.0005 0.009 2781249	2761381	RIMS1	4.0119	0.0005	0.0096
2775054 KIAA1107 4.0083 0.0005 0.009 2794442 ST5 -4.0060 0.0005 0.009 2776399 ATIC -4.0057 0.0005 0.009 2789175 TSC22D3 -4.0055 0.0005 0.009 2784941 -4.0050 0.0005 0.009 2777265 TGFBR1 -4.0044 0.0005 0.009 2782981 TESK1 -4.0015 0.0005 0.009 2776168 H3F3B 4.0015 0.0005 0.009 2764612 SESN2 -3.9997 0.0005 0.009 2761142 -4.3394 0.0002 0.006 2778819 HARS -3.9971 0.0005 0.009 2758807 CCT2 3.9971 0.0005 0.009 2763982 3.9935 0.0005 0.009 2784800 CARS 3.9942 0.0005 0.009 2783701 MMACHC -4.0925 0.0004 0.009 2765762 RNF126 3.9841 0.0005 0.009 2763117	2789532	MNAT1	-4.0098	0.0005	0.0097
2775054 KIAA1107 4.0083 0.0005 0.0095 2794442 ST5 -4.0060 0.0005 0.009 2776399 ATIC -4.0057 0.0005 0.009 2789175 TSC22D3 -4.0055 0.0005 0.009 2784941 -4.0050 0.0005 0.009 2777265 TGFBR1 -4.0044 0.0005 0.009 2782981 TESK1 -4.0015 0.0005 0.009 2776168 H3F3B 4.0015 0.0005 0.009 2764612 SESN2 -3.9997 0.0005 0.009 2761142 -4.3394 0.0002 0.006 2778372 HSPE1 -3.9973 0.0005 0.009 2778819 HARS -3.9971 0.0005 0.009 2758807 CCT2 3.9971 0.0005 0.009 2784800 CARS 3.9942 0.0005 0.009 2784800 CARS 3.9934 0.0005 0.009	2795671	SYNCRIP		0.0005	0.0097
2794442 ST5 -4.0060 0.0005 0.0065 2776399 ATIC -4.0057 0.0005 0.0065 2799175 TSC22D3 -4.0055 0.0005 0.0065 2784941 -4.0050 0.0005 0.0065 2775265 TGFBR1 -4.0044 0.0005 0.006 2795286 4.0024 0.0005 0.006 2782981 TESK1 -4.0015 0.0005 0.006 2764612 SESN2 -3.9997 0.0005 0.006 2764612 SESN2 -3.9997 0.0005 0.006 2761142 -4.3394 0.0002 0.006 2773372 HSPE1 -3.9973 0.0005 0.006 2778889 HARS -3.9971 0.0005 0.006 2758807 CCT2 3.9971 0.0005 0.006 2763982 3.9942 0.0005 0.006 2784800 CARS 3.9934 0.0005 0.006 2781249 LONRF1 </td <td>2775054</td> <td>KIAA1107</td> <td>4.0083</td> <td>0.0005</td> <td>0.0097</td>	2775054	KIAA1107	4.0083	0.0005	0.0097
2776399 ATIC -4.0057 0.0005 0.005 2799175 TSC22D3 -4.0055 0.0005 0.008 2784941 -4.0050 0.0005 0.008 2777265 TGFBR1 -4.0044 0.0005 0.008 2795286 4.0024 0.0005 0.008 2782981 TESK1 -4.0015 0.0005 0.008 2764612 SESN2 -3.9997 0.0005 0.008 2764612 SESN2 -3.9997 0.0005 0.008 27637372 HSPE1 -3.9973 0.0005 0.008 2778819 HARS -3.9971 0.0005 0.008 2758807 CCT2 3.9971 0.0005 0.008 2763982 3.9935 0.0005 0.008 2784800 CARS 3.9934 0.0005 0.008 2784800 CARS 3.9921 0.0005 0.008 2781249 LONRF1 -4.3316 0.0002 0.006 2783701 MMACHC -4.0925 0.0004 0.008 2765762		ST5	-4.0060	0.0005	0.0097
2799175 TSC22D3 -4.0055 0.0005 0.0005 2784941 -4.0050 0.0005 0.0005 2777265 TGFBR1 -4.0044 0.0005 0.009 2795286 4.0024 0.0005 0.009 2782981 TESK1 -4.0015 0.0005 0.009 276168 H3F3B 4.0015 0.0005 0.009 2764612 SESN2 -3.9997 0.0005 0.009 2761142 -4.3394 0.0002 0.006 2773372 HSPE1 -3.9973 0.0005 0.009 2778819 HARS -3.9971 0.0005 0.009 2792353 EGR3 3.9942 0.0005 0.009 2763982 3.9935 0.0005 0.009 2784800 CARS 3.9934 0.0005 0.009 2784800 CARS 3.9921 0.0005 0.009 2781249 LONRF1 -4.3316 0.0002 0.006 27871230 RAB8B -3.9907 0.0005 0.006 2763762 RNF126		ATIC			0.0097
2784941 -4.0050 0.0005 0.005 2777265 TGFBR1 -4.0044 0.0005 0.009 2795286 4.0024 0.0005 0.009 2782981 TESK1 -4.0015 0.0005 0.009 2776168 H3F3B 4.0015 0.0005 0.009 2764612 SESN2 -3.9997 0.0005 0.009 2761142 -4.3394 0.0002 0.006 2773372 HSPE1 -3.9973 0.0005 0.009 2778819 HARS -3.9971 0.0005 0.009 2758807 CCT2 3.9971 0.0005 0.009 2763982 3.9935 0.0005 0.009 2784800 CARS 3.9934 0.0005 0.009 2784800 CARS 3.9921 0.0005 0.009 2781249 LONRF1 -4.3316 0.0002 0.006 2771230 RAB8B -3.9907 0.0005 0.006 2765762 RNF126 3.9881 0.0005 0.010 2786368 NEDD4L <t< td=""><td></td><td></td><td></td><td></td><td>0.0097</td></t<>					0.0097
2777265 TGFBR1 -4.0044 0.0005 0.009 2795286 4.0024 0.0005 0.009 2782981 TESK1 -4.0015 0.0005 0.009 2776168 H3F3B 4.0015 0.0005 0.009 2764612 SESN2 -3.9997 0.0005 0.009 2761142 -4.3394 0.0002 0.009 2773372 HSPE1 -3.9973 0.0005 0.009 2778819 HARS -3.9971 0.0005 0.009 2758807 CCT2 3.9971 0.0005 0.009 2763982 3.9935 0.0005 0.009 2784800 CARS 3.9934 0.0005 0.009 2784800 CARS 3.9921 0.0005 0.009 2781249 LONRF1 -4.3316 0.0002 0.006 2783701 MMACHC -4.0925 0.0004 0.008 2765762 RNF126 3.9881 0.0005 0.006 2763117 KIAA0895L -3.9881 0.0005 0.016 278577					0.0097
2795286 4.0024 0.0005 0.006 2782981 TESK1 -4.0015 0.0005 0.006 2776168 H3F3B 4.0015 0.0005 0.006 2764612 SESN2 -3.9997 0.0005 0.006 2761142 -4.3394 0.0002 0.006 2773372 HSPE1 -3.9973 0.0005 0.006 2758807 CCT2 3.9971 0.0005 0.006 2792353 EGR3 3.9942 0.0005 0.006 2763982 3.9935 0.0005 0.006 2784800 CARS 3.9934 0.0005 0.006 2781249 LONRF1 -4.3316 0.0002 0.006 2781249 LONRF1 -4.3316 0.0002 0.006 2771230 RAB8B -3.9907 0.0005 0.006 2765762 RNF126 3.9881 0.0005 0.006 278571 KCTD21 -3.9881 0.0005 0.016 2785757 KCTD21 -4.3259 0.0002 0.006 2765788 <		TGFBR1			0.0097
2782981 TESK1 -4.0015 0.0005 0.009 2776168 H3F3B 4.0015 0.0005 0.009 2764612 SESN2 -3.9997 0.0005 0.009 2761142 -4.3394 0.0002 0.009 2773372 HSPE1 -3.9973 0.0005 0.009 2758807 CCT2 3.9971 0.0005 0.009 2792353 EGR3 3.9942 0.0005 0.009 2763982 3.9935 0.0005 0.009 2784800 CARS 3.9934 0.0005 0.009 2784800 CARS 3.9921 0.0005 0.009 2783701 MMACHC -4.3316 0.0002 0.006 2771230 RAB8B -3.9907 0.0005 0.009 2765762 RNF126 3.9894 0.0005 0.010 2786368 NEDD4L -3.9877 0.0005 0.010 2787571 KCTD21 -4.3259 0.0005 0.010 2767578 RAC1 -3.9857 0.0005 0.010 2					0.0098
2776168 H3F3B 4.0015 0.0005 0.009 2764612 SESN2 -3.9997 0.0005 0.009 2761142 -4.3394 0.0002 0.009 2773372 HSPE1 -3.9973 0.0005 0.009 2758819 HARS -3.9971 0.0005 0.009 2758807 CCT2 3.9971 0.0005 0.009 2763982 3.9932 0.0005 0.009 2785856 PHF20 3.9934 0.0005 0.009 2781249 LONRF1 -4.3316 0.0002 0.006 2783701 MMACHC -4.0925 0.0004 0.008 2765762 RNF126 3.9894 0.0005 0.009 2763117 KIAA0895L -3.9881 0.0005 0.010 2787571 KCTD21 -4.3259 0.0002 0.006 2774275 TMCC3 -3.9860 0.0005 0.010 2780462 PPP2CA 3.9848 0.0005 0.010 2763765 ZNF398 -3.9827 0.0005 0.010		TESK1			0.0098
2764612 SESN2 -3.9997 0.0005 0.009 2761142 -4.3394 0.0002 0.006 2773372 HSPE1 -3.9973 0.0005 0.009 2778819 HARS -3.9971 0.0005 0.009 2758807 CCT2 3.9971 0.0005 0.009 2792353 EGR3 3.9942 0.0005 0.009 2763982 3.9935 0.0005 0.009 2785856 PHF20 3.9934 0.0005 0.009 2784800 CARS 3.9921 0.0005 0.009 2781249 LONRF1 -4.3316 0.0002 0.006 2781249 LONRF1 -4.3316 0.0002 0.006 2771230 RAB8B -3.9907 0.0005 0.006 2765762 RNF126 3.9841 0.0005 0.006 2763117 KIAA0895L -3.9877 0.0005 0.010 278571 KCTD21 -4.3259 0.0002 0.006 2765758 RAC1 -3.9857 0.0005 0.010 <					0.0098
2761142 -4.3394 0.0002 0.006 2773372 HSPE1 -3.9973 0.0005 0.009 2778819 HARS -3.9971 0.0005 0.009 2758807 CCT2 3.9971 0.0005 0.009 2763982 3.9935 0.0005 0.009 2784800 CARS 3.9934 0.0005 0.009 2781249 LONRF1 -4.3316 0.0002 0.006 2783701 MMACHC -4.0925 0.0004 0.008 2765762 RNF126 3.9894 0.0005 0.009 2763117 KIAA0895L -3.9881 0.0005 0.006 2787571 KCTD21 -4.3259 0.0002 0.006 2767578 RAC1 -3.9860 0.0005 0.010 2760613 MPST -3.9833 0.0005 0.010 2763765 ZNF398 -3.9827 0.0005 0.010 276961 C170RF28 -3.9813 0.0005 0.010					0.0098
2773372 HSPE1 -3.9973 0.0005 0.009 2778819 HARS -3.9971 0.0005 0.009 2758807 CCT2 3.9971 0.0005 0.009 2792353 EGR3 3.9942 0.0005 0.009 2763982 3.9935 0.0005 0.009 2784800 CARS 3.9934 0.0005 0.009 2781249 LONRF1 -4.3316 0.0002 0.006 2783701 MMACHC -4.0925 0.0004 0.008 2765762 RNF126 3.9894 0.0005 0.009 2763117 KIAA0895L -3.9881 0.0005 0.010 2787571 KCTD21 -4.3259 0.0002 0.006 2774275 TMCC3 -3.9860 0.0005 0.010 2765778 RAC1 -3.9857 0.0005 0.010 2760613 MPST -3.9833 0.0005 0.010 2763765 ZNF398 -3.9827 0.0005 0.010 276961 C170RF28 -3.9813 0.0005 0.010					0.0062
2778819 HARS -3.9971 0.0005 0.009 2758807 CCT2 3.9971 0.0005 0.009 2792353 EGR3 3.9942 0.0005 0.009 2763982 3.9935 0.0005 0.009 2785856 PHF20 3.9934 0.0005 0.009 2784800 CARS 3.9921 0.0005 0.009 2781249 LONRF1 -4.3316 0.0002 0.006 2783701 MMACHC -4.0925 0.0004 0.008 2771230 RAB8B -3.9907 0.0005 0.009 2763117 KIAA0895L -3.9881 0.0005 0.010 2786368 NEDD4L -3.9877 0.0005 0.010 2787571 KCTD21 -4.3259 0.0002 0.006 2767578 RAC1 -3.9857 0.0005 0.010 2760613 MPST -3.9833 0.0005 0.010 2763765 ZNF398 -3.9827 0.0005 0.010 2763602 ING3 -3.9813 0.0005 0.010	2773372	HSPE1			0.0099
2792353 EGR3 3.9942 0.0005 0.009 2763982 3.9935 0.0005 0.009 2785856 PHF20 3.9934 0.0005 0.009 2784800 CARS 3.9921 0.0005 0.009 2781249 LONRF1 -4.3316 0.0002 0.006 2783701 MMACHC -4.0925 0.0004 0.008 2771230 RAB8B -3.9907 0.0005 0.009 2765762 RNF126 3.9894 0.0005 0.010 2763117 KIAA0895L -3.9881 0.0005 0.010 2786368 NEDD4L -3.9877 0.0005 0.010 2787571 KCTD21 -4.3259 0.0002 0.006 2774275 TMCC3 -3.9860 0.0005 0.010 2780462 PPP2CA 3.9848 0.0005 0.010 2763765 ZNF398 -3.9827 0.0005 0.010 2763602 ING3 -3.9813 0.0005 0.010 2776961 C17ORF28 -3.9813 0.0005 0.010 </td <td></td> <td>HARS</td> <td></td> <td>0.0005</td> <td>0.0099</td>		HARS		0.0005	0.0099
2763982 3.9935 0.0005 0.009 2784800 CARS 3.9934 0.0005 0.009 2784800 CARS 3.9921 0.0005 0.009 2781249 LONRF1 -4.3316 0.0002 0.006 2783701 MMACHC -4.0925 0.0004 0.008 2771230 RAB8B -3.9907 0.0005 0.009 2765762 RNF126 3.9894 0.0005 0.010 2786368 NEDD4L -3.9877 0.0005 0.010 2787571 KCTD21 -4.3259 0.0002 0.006 2774275 TMCC3 -3.9860 0.0005 0.010 2780462 PPP2CA 3.9848 0.0005 0.010 2763765 ZNF398 -3.9833 0.0005 0.010 2763602 ING3 -3.9813 0.0005 0.010 2776961 C17ORF28 -3.9813 0.0005 0.010	2758807	CCT2	3.9971	0.0005	0.0099
2785856 PHF20 3.9934 0.0005 0.009 2784800 CARS 3.9921 0.0005 0.009 2781249 LONRF1 -4.3316 0.0002 0.006 2783701 MMACHC -4.0925 0.0004 0.008 2771230 RAB8B -3.9907 0.0005 0.009 2765762 RNF126 3.9894 0.0005 0.010 2763117 KIAA0895L -3.9881 0.0005 0.010 2786368 NEDD4L -3.9877 0.0005 0.010 2787571 KCTD21 -4.3259 0.0002 0.006 2774275 TMCC3 -3.9860 0.0005 0.010 2780462 PPP2CA 3.9848 0.0005 0.010 2763765 ZNF398 -3.9833 0.0005 0.010 2763602 ING3 -3.9813 0.0005 0.010 2776961 C17ORF28 -3.9813 0.0005 0.010	2792353	EGR3	3.9942	0.0005	0.0099
2784800 CARS 3.9921 0.0005 0.002 2781249 LONRF1 -4.3316 0.0002 0.006 2783701 MMACHC -4.0925 0.0004 0.008 2771230 RAB8B -3.9907 0.0005 0.002 2765762 RNF126 3.9894 0.0005 0.010 2763117 KIAA0895L -3.9881 0.0005 0.010 2786368 NEDD4L -3.9877 0.0005 0.010 2787571 KCTD21 -4.3259 0.0002 0.006 2774275 TMCC3 -3.9860 0.0005 0.010 2780462 PPP2CA 3.9848 0.0005 0.010 2760613 MPST -3.9833 0.0005 0.010 2763765 ZNF398 -3.9827 0.0005 0.010 2763602 ING3 -3.9813 0.0005 0.010 2776961 C17ORF28 -3.9813 0.0005 0.010	2763982		3.9935	0.0005	0.0099
2781249 LONRF1 -4.3316 0.0002 0.006 2783701 MMACHC -4.0925 0.0004 0.008 2771230 RAB8B -3.9907 0.0005 0.009 2765762 RNF126 3.9894 0.0005 0.010 2763117 KIAA0895L -3.9881 0.0005 0.010 2786368 NEDD4L -3.9877 0.0005 0.010 2787571 KCTD21 -4.3259 0.0002 0.006 2774275 TMCC3 -3.9860 0.0005 0.010 2780462 PPP2CA 3.9848 0.0005 0.010 2760613 MPST -3.9833 0.0005 0.010 2763602 ING3 -3.9822 0.0005 0.010 276961 C17ORF28 -3.9813 0.0005 0.010	2785856	PHF20	3.9934	0.0005	0.0099
2783701 MMACHC -4.0925 0.0004 0.008 2771230 RAB8B -3.9907 0.0005 0.009 2765762 RNF126 3.9894 0.0005 0.010 2763117 KIAA0895L -3.9881 0.0005 0.010 2786368 NEDD4L -3.9877 0.0005 0.010 2787571 KCTD21 -4.3259 0.0002 0.006 2774275 TMCC3 -3.9860 0.0005 0.010 27607578 RAC1 -3.9857 0.0005 0.010 2780462 PPP2CA 3.9848 0.0005 0.010 2763765 ZNF398 -3.9827 0.0005 0.010 2763602 ING3 -3.9822 0.0005 0.010 2776961 C17ORF28 -3.9813 0.0005 0.010	2784800	CARS	3.9921	0.0005	0.0099
2771230 RAB8B -3.9907 0.0005 0.009 2765762 RNF126 3.9894 0.0005 0.010 2763117 KIAA0895L -3.9881 0.0005 0.010 2786368 NEDD4L -3.9877 0.0005 0.010 2787571 KCTD21 -4.3259 0.0002 0.006 2774275 TMCC3 -3.9860 0.0005 0.010 2767578 RAC1 -3.9857 0.0005 0.010 2780462 PPP2CA 3.9848 0.0005 0.010 2763765 ZNF398 -3.9833 0.0005 0.010 2763602 ING3 -3.9822 0.0005 0.010 2776961 C17ORF28 -3.9813 0.0005 0.010	2781249	LONRF1	-4.3316	0.0002	0.0062
2771230 RAB8B -3.9907 0.0005 0.009 2765762 RNF126 3.9894 0.0005 0.010 2763117 KIAA0895L -3.9881 0.0005 0.010 2786368 NEDD4L -3.9877 0.0005 0.010 2787571 KCTD21 -4.3259 0.0002 0.006 2774275 TMCC3 -3.9860 0.0005 0.010 2767578 RAC1 -3.9857 0.0005 0.010 2780462 PPP2CA 3.9848 0.0005 0.010 2763765 ZNF398 -3.9833 0.0005 0.010 2763602 ING3 -3.9822 0.0005 0.010 2776961 C17ORF28 -3.9813 0.0005 0.010	2783701	MMACHC			0.0088
2763117 KIAA0895L -3.9881 0.0005 0.010 2786368 NEDD4L -3.9877 0.0005 0.010 2787571 KCTD21 -4.3259 0.0002 0.006 2774275 TMCC3 -3.9860 0.0005 0.010 2767578 RAC1 -3.9857 0.0005 0.010 2780462 PPP2CA 3.9848 0.0005 0.010 2763765 ZNF398 -3.9833 0.0005 0.010 2763602 ING3 -3.9822 0.0005 0.010 2776961 C17ORF28 -3.9813 0.0005 0.010	2771230	RAB8B	-3.9907	0.0005	0.0099
2786368 NEDD4L -3.9877 0.0005 0.010 2787571 KCTD21 -4.3259 0.0002 0.006 2774275 TMCC3 -3.9860 0.0005 0.010 2767578 RAC1 -3.9857 0.0005 0.010 2780462 PPP2CA 3.9848 0.0005 0.010 2760613 MPST -3.9833 0.0005 0.010 2763765 ZNF398 -3.9827 0.0005 0.010 2763602 ING3 -3.9822 0.0005 0.010 2776961 C17ORF28 -3.9813 0.0005 0.010	2765762	RNF126	3.9894	0.0005	0.0100
2787571 KCTD21 -4.3259 0.0002 0.006 2774275 TMCC3 -3.9860 0.0005 0.010 2767578 RAC1 -3.9857 0.0005 0.010 2780462 PPP2CA 3.9848 0.0005 0.010 2760613 MPST -3.9833 0.0005 0.010 2763765 ZNF398 -3.9827 0.0005 0.010 2763602 ING3 -3.9822 0.0005 0.010 2776961 C17ORF28 -3.9813 0.0005 0.010	2763117	KIAA0895L	-3.9881	0.0005	0.0100
2774275 TMCC3 -3.9860 0.0005 0.010 2767578 RAC1 -3.9857 0.0005 0.010 2780462 PPP2CA 3.9848 0.0005 0.010 2760613 MPST -3.9833 0.0005 0.010 2763765 ZNF398 -3.9827 0.0005 0.010 2763602 ING3 -3.9822 0.0005 0.010 2776961 C17ORF28 -3.9813 0.0005 0.010	2786368	NEDD4L	-3.9877	0.0005	0.0100
2767578 RAC1 -3.9857 0.0005 0.010 2780462 PPP2CA 3.9848 0.0005 0.010 2760613 MPST -3.9833 0.0005 0.010 2763765 ZNF398 -3.9827 0.0005 0.010 2763602 ING3 -3.9822 0.0005 0.010 2776961 C17ORF28 -3.9813 0.0005 0.010	2787571	KCTD21	-4.3259	0.0002	0.0063
2780462 PPP2CA 3.9848 0.0005 0.010 2760613 MPST -3.9833 0.0005 0.010 2763765 ZNF398 -3.9827 0.0005 0.010 2763602 ING3 -3.9822 0.0005 0.010 2776961 C17ORF28 -3.9813 0.0005 0.010	2774275	TMCC3	-3.9860	0.0005	0.0100
2780462 PPP2CA 3.9848 0.0005 0.010 2760613 MPST -3.9833 0.0005 0.010 2763765 ZNF398 -3.9827 0.0005 0.010 2763602 ING3 -3.9822 0.0005 0.010 2776961 C17ORF28 -3.9813 0.0005 0.010		RAC1	-3.9857		0.0100
2760613 MPST -3.9833 0.0005 0.010 2763765 ZNF398 -3.9827 0.0005 0.010 2763602 ING3 -3.9822 0.0005 0.010 2776961 C17ORF28 -3.9813 0.0005 0.010					0.0100
2763765 ZNF398 -3.9827 0.0005 0.010 2763602 ING3 -3.9822 0.0005 0.010 2776961 C17ORF28 -3.9813 0.0005 0.010	2760613	MPST			0.0100
2763602 ING3 -3.9822 0.0005 0.010 2776961 C17ORF28 -3.9813 0.0005 0.010		ZNF398			0.0101
2776961 C17ORF28 -3.9813 0.0005 0.010		ING3			0.0101
					0.0101
2781121 DEGS1 3.9802 0.0005 0.010	2781121	DEGS1	3.9802	0.0005	0.0101
					0.0101

	gene_symbols	t	P.Value	adj.P.Val
2770254	UBXN4	3.9795	0.0005	0.0101
2790064	TLN2	3.9787	0.0005	0.0101
2791546		-4.3158	0.0002	0.0064
2784461		-3.9774	0.0005	0.0101
2772991	ZMYND8	-3.9764	0.0005	0.0101
2790524	NLK	3.9756	0.0005	0.0101
2764563	CCDC85C	-3.9756	0.0005	0.0101
2785558		3.9731	0.0005	0.0102
2793464	ROMO1	-3.9727	0.0005	0.0102
2781060	NRG2	-3.9714	0.0005	0.0102
2763871	KCTD15	-4.3059	0.0002	0.0065
2780018	CKB	-3.9684	0.0005	0.0103
2795785	TNRC6A	-3.9674	0.0005	0.0103
2795889	MARK1	3.9665	0.0006	0.0103
2770413	TMEM171	-4.3000	0.0003	0.0065
2791747	HNRPDL	3.9643	0.0006	0.0104
2761122	BRD3	-3.9618	0.0006	0.0104
2796541	C1ORF91	-3.9617	0.0006	0.0104
2777946	DMAP1	3.9616	0.0006	0.0104
2770519	CSNK1G1	3.9604	0.0006	0.0104
2760143	MEIS1	-4.2934	0.0003	0.0066
2773637	MFSD10	-3.9586	0.0006	0.0105
2788003	BTAF1	-3.9585	0.0006	0.0105
2787672	STRA13	-3.9570	0.0006	0.0105
2763818	TARS	3.9569	0.0006	0.0105
2794984	FOS	3.9567	0.0006	0.0105
2776469	RBMX	3.9545	0.0006	0.0105
2764759		-3.9539	0.0006	0.0105
2778340	FBXO33	-3.9537	0.0006	0.0105
2783241		-3.9535	0.0006	0.0105
2784591	DEGS1	3.9525	0.0006	0.0105
2790563	HNRPDL	3.9522	0.0006	0.0105
2781296	DGCR6	-3.9521	0.0006	0.0105
2780909	EGR1	3.9519	0.0006	0.0105
2774169	PCSK1	3.9512	0.0006	0.0105
2762508	S100B	-3.9511	0.0006	0.0105
2768405		-3.9476	0.0006	0.0106
2773026	KIAA0753	-3.9474	0.0006	0.0106
2770510	DDX26B	-4.2751	0.0003	0.0067
2797664	ATP5D	-3.9445	0.0006	0.0107
2792629	MAN1C1	-3.9441	0.0006	0.0107
2772301	CPNE1	-3.9437	0.0006	0.0107
2784084	KIAA1377	-4.0404	0.0005	0.0096
2777202	NONO	-3.9426	0.0006	0.0107
2788042	SYMENSTGUG00000017707	3.9421	0.0006	0.0107
2795928	C3ORF39	-3.9416	0.0006	0.0107
2764237		3.9406	0.0006	0.0107
2765620		0.0100		
	CALM1	-3.9400	0.0006	0.0107
2787217	CALM1 AMOTL2			
2787217 2778810		-3.9400	0.0006	0.0107
	AMOTL2	-3.9400 3.9398	$0.0006 \\ 0.0006$	$0.0107 \\ 0.0107$

	gene_symbols	t	P.Value	adj.P.Val
2762402	MBTPS1			
2762493		-3.9363	0.0006	0.0108
2761250	LRRTM1	-3.9356	0.0006	0.0108
2765587	SPTLC1	-3.9319	0.0006	0.0109
2771334	AMOTL2	3.9314	0.0006	0.0109
2771523	ZC3H7A	-3.9311	0.0006	0.0109
2770545	MAN2B2	3.9302	0.0006	0.0109
2779691	GOD4	-3.9290	0.0006	0.0109
2795102	SOD1	-3.9290	0.0006	0.0109
2789425	CPSF6	3.9288	0.0006	0.0109
2776830	TRIM3	-3.9278	0.0006	0.0109
2775338	RORA	-3.9269	0.0006	0.0109
2780819	C13ORF37	-4.2525	0.0003	0.0069
2761990	FOS	3.9231	0.0006	0.0110
2791277	BAIAP2	3.9217	0.0006	0.0111
2785974	DEGS1	3.9215	0.0006	0.0111
2767265	COIL	-3.9209	0.0006	0.0111
2774817	DDB2	-3.9204	0.0006	0.0111
2766356	URB1	-3.9199	0.0006	0.0111
2777530		3.9199	0.0006	0.0111
2760985	MAP3K7	3.9197	0.0006	0.0111
2760138	MYL12A	3.9194	0.0006	0.0111
2795273	MXD4	-3.9189	0.0006	0.0111
2772269		-3.9184	0.0006	0.0111
2783112		4.0140	0.0005	0.0100
2761779	C4ORF44	3.9156	0.0006	0.0111
2776586		-4.3597	0.0002	0.0063
2763189	RAP2A	3.9153	0.0006	0.0111
2799842	SLC38A2	-3.9143	0.0006	0.0111
2757942	HNRNPH3	3.9142	0.0006	0.0111
2776227	KCNG1	-4.0092	0.0005	0.0100
2776676	OAZ1	-3.9136	0.0006	0.0111
2784982	MSH4	-3.9119	0.0006	0.0112
2774715		-3.9116	0.0006	0.0112
2776992	STARD5	3.9094	0.0006	0.0112
2783887	IFT140	-3.9082	0.0006	0.0113
2787779	XP_002194193.1	-3.9079	0.0006	0.0113
2787324	DLGAP2	3.9076	0.0006	0.0113
2766929	RIMS1	3.9057	0.0006	0.0113
2788903	MAFF	3.9045	0.0006	0.0113
2776631	FAM8A1	-4.2267	0.0003	0.0071
2772228	HDAC4	3.9019	0.0006	0.0114
2792698	EFHA2	-3.9014	0.0007	0.0114
2774778	CCT2	3.9012	0.0007	0.0114
2785359	PDCL	3.9011	0.0007	0.0114
2767712	RANBP2	3.9009	0.0007	0.0114
2784020	SS18L1	-3.9003	0.0007	0.0114
2788581	DPH1	3.8995	0.0007	0.0114
2771696	TRIB1	3.8993	0.0007	0.0114
2777808	SOD1	-3.8990	0.0007	0.0114
2764333	MEF2C	-3.8989	0.0007	0.0114
2759606	MRAS	-3.8987	0.0007	0.0114
2792865	DGKZ	3.8982	0.0007	0.0114
	<u> </u>	0.0002	2.3001	

2769367 RRAD 3.8978 0.0007 0.0114 2790457 CD164 3.8961 0.0007 0.0114 2791722 ACOX1 -3.8950 0.0007 0.0114 2765596 EGR3 3.8944 0.0007 0.0114 2765596 EGR3 3.8937 0.0007 0.0114 2765954 ETV3 3.8932 0.0007 0.0115 2768801 MAFK 3.8911 0.0007 0.0115 2785801 MAFK 3.8911 0.0007 0.0115 2785801 MXD4 -3.8910 0.0007 0.0115 2783807 MXD4 -3.897 0.0007 0.0116 2783957 -3.863 0.0007 0.0116 2783957 -3.8868 0.0007 0.0116 2785935 3.8855 0.0007 0.0116 2785935 3.8853 0.0007 0.0116 2785935 3.8853 0.0007 0.0116 2783957 A.38849 0.0007 </th <th></th> <th>gene_symbols</th> <th>t</th> <th>P.Value</th> <th>adj.P.Val</th>		gene_symbols	t	P.Value	adj.P.Val
2791722 ACOX1 -3.8950 0.0007 0.0114 2774217 RNF145 -3.8948 0.0007 0.0114 2765596 EGR3 3.8944 0.0007 0.0114 2768595 ETV3 3.8932 0.0007 0.0115 2761379 TAGLN3 -3.8916 0.0007 0.0115 2785801 MAFK 3.8911 0.0007 0.0115 2765500 UBE4B -3.8910 0.0007 0.0115 2783807 MXD4 -3.8907 0.0007 0.0116 2788460 3.8863 0.0007 0.0116 2783957 -3.8863 0.0007 0.0116 27859535 -3.8863 0.0007 0.0116 2785954 ACBD3 3.8849 0.0007 0.0116 2785955 -3.8863 0.0007 0.0116 2785955 RAD54L -3.8813 0.0007 0.0117 2784846 PSPC1 3.8803 0.0007 0.0117 2768793	2769367	RRAD	3.8978	0.0007	0.0114
2774217 RNF145 -3.8948 0.0007 0.0114 2765596 EGR3 3.8944 0.0007 0.0114 2765594 ETV3 3.8937 0.0007 0.0115 2765394 ETV3 3.8916 0.0007 0.0115 2788801 MAFK 3.8911 0.0007 0.0115 2785802 UBE4B -3.8910 0.0007 0.0115 2783807 MXD4 -3.8907 0.0007 0.0115 2788460 3.8875 0.0007 0.0116 2785935 -3.8863 0.0007 0.0116 2788759 ACBD3 3.8849 0.0007 0.0116 2788759 RAD54L -3.8813 0.0007 0.0116 2784846 PSPC1 3.8803 0.0007 0.0117 2768793 WDR48 -3.8793 0.0007 0.0117 2768793 WDR48 -3.8793 0.0007 0.0117 2768834 FRMD3 -3.8776 0.0007 0.0118	2790457	CD164	3.8961	0.0007	0.0114
2765596 EGR3 3.8944 0.0007 0.0114 2765954 ETV3 3.8937 0.0007 0.0115 2765954 ETV3 3.8932 0.0007 0.0115 2765954 ETV3 3.8916 0.0007 0.0115 2765500 UBE4B 3.8910 0.0007 0.0115 2783807 MXD4 3.8975 0.0007 0.0116 2765550 UBE4B 3.8910 0.0007 0.0116 2783807 MXD4 3.8863 0.0007 0.0116 2767667 DNAJB14 3.8868 0.0007 0.0116 2783957 3.8863 0.0007 0.0116 2785935 3.8855 0.0007 0.0116 2785951 3.8855 0.0007 0.0116 2785952 3.8803 0.0007 0.0117 2785959 RAD54L 3.8813 0.0007 0.0117 2784846 PSPC1 3.8803 0.0007 0.0117 2784846 PSPC1 <td>2791722</td> <td>ACOX1</td> <td>-3.8950</td> <td>0.0007</td> <td>0.0114</td>	2791722	ACOX1	-3.8950	0.0007	0.0114
2788820 3.8937 0.0007 0.0114 2765954 ETV3 3.8932 0.0007 0.0115 2761379 TAGLN3 3.8916 0.0007 0.0115 2785801 MAFK 3.8911 0.0007 0.0115 2765500 UBE4B -3.8907 0.0007 0.0115 2788460 3.8875 0.0007 0.0116 2785935 -3.8863 0.0007 0.0116 27835935 -3.8863 0.0007 0.0116 2788759 RAD54L -3.8813 0.0007 0.0116 2788759 RAD54L -3.8813 0.0007 0.0117 2759928 3.8803 0.0007 0.0117 2768793 WDR48 -3.8733 0.0007 0.0117 2758928 3.8803 0.0007 0.0117 2768874 PSPC1 3.8873 0.0007 0.0117 2768874 PSPC1 3.8776 0.0007 0.0117 2773776 PTPN2 3.8789	2774217	RNF145	-3.8948	0.0007	0.0114
2765954 ETV3 3.8932 0.0007 0.0115 2761379 TAGLN3 -3.8916 0.0007 0.0115 2788801 MAFK 3.8911 0.0007 0.0115 2765500 UBE4B -3.8910 0.0007 0.0115 2783807 MXD4 -3.8907 0.0007 0.0116 2783860 DNAJB14 -3.8863 0.0007 0.0116 2783957 -3.8863 0.0007 0.0116 2785935 -3.8863 0.0007 0.0116 27858759 RAD54L -3.8813 0.0007 0.0116 2785979 3.8843 0.0007 0.0117 2785939 WDR48 -3.893 0.0007 0.0117 2784846 PSPC1 3.8803 0.0007 0.0117 2768834 FRMD3 -3.8789 0.0007 0.0117 2768834 FRMD3 -3.8776 0.0007 0.0117 2794602 EXTL3 3.8771 0.0007 0.0118	2765596	EGR3	3.8944	0.0007	0.0114
2761379 TAGLN3 -3.8916 0.0007 0.0115 2785801 MAFK 3.8911 0.0007 0.0115 2765500 UBE4B -3.8910 0.0007 0.0115 2783807 MXD4 -3.8907 0.0007 0.0116 2788460 3.8875 0.0007 0.0116 2783957 -3.8863 0.0007 0.0116 2783953 3.8855 0.0007 0.0116 27859535 0.0007 0.0116 0.0007 0.0116 2785751 ACBD3 3.8849 0.0007 0.0116 2788759 RAD54L -3.8813 0.0007 0.0117 2784846 PSPC1 3.8803 0.0007 0.0117 2784846 PSPC1 3.8873 0.0007 0.0117 2768793 WDR48 -3.8739 0.0007 0.0117 2778602 EXTL3 3.8776 0.0007 0.0118 27894030 MEAF6 -3.8759 0.0007 0.0118 <	2788820		3.8937	0.0007	0.0114
2788801 MAFK 3.8911 0.0007 0.0115 2763500 UBE4B -3.8907 0.0007 0.0115 2783807 MXD4 -3.8907 0.0007 0.0116 2788460 -3.8868 0.0007 0.0116 2783957 -3.8863 0.0007 0.0116 2785935 -3.8863 0.0007 0.0116 27857541 ACBD3 3.8849 0.0007 0.0116 2788759 RAD54L -3.8813 0.0007 0.0117 2789928 -3.8803 0.0007 0.0117 2784846 PSPC1 3.8803 0.0007 0.0117 2768793 WDR48 -3.8793 0.0007 0.0117 2768834 PRMD3 -3.8760 0.0007 0.0117 2768834 PRMD3 -3.8776 0.0007 0.0118 2794030 MEAF6 -3.8759 0.0007 0.0118 2778010 MENPL36 -3.8741 0.0007 0.0118 2780522	2765954	ETV3	3.8932	0.0007	0.0115
2765500 UBE4B -3.8910 0.0007 0.0115 2783807 MXD4 -3.8907 0.0007 0.0115 2788460 3.8875 0.0007 0.0116 2767667 DNAJB14 -3.8868 0.0007 0.0116 2785935 -3.8863 0.0007 0.0116 2785954 ACBD3 3.8849 0.0007 0.0116 2785755 RAD54L -3.8813 0.0007 0.0117 2785928 3.8803 0.0007 0.0117 2784846 PSPC1 3.8803 0.0007 0.0117 2768793 WDR48 -3.8793 0.0007 0.0117 2768834 FRMD3 -3.8766 0.0007 0.0117 2768834 FRMD3 -3.8776 0.0007 0.0117 2794030 MEAF6 -3.8759 0.0007 0.0117 2794030 MEAF6 -3.8741 0.0007 0.0118 2776019 PLCXD3 -3.8741 0.0007 0.0118	2761379	TAGLN3	-3.8916	0.0007	0.0115
2783807 MXD4 -3.8907 0.0007 0.0115 2788460 3.8875 0.0007 0.0116 2767667 DNAJB14 -3.8868 0.0007 0.0116 2783957 3.8855 0.0007 0.0116 2785935 3.8855 0.0007 0.0116 27858759 RAD54L -3.8813 0.0007 0.0117 2785928 3.8803 0.0007 0.0117 2768793 WDR48 -3.8793 0.0007 0.0117 2768793 WDR48 -3.8793 0.0007 0.0117 2768834 FRMD3 -3.8766 0.0007 0.0117 2768834 FRMD3 -3.8776 0.0007 0.0117 2796602 EXTL3 3.8776 0.0007 0.0117 2794030 MEAF6 -3.8759 0.0007 0.0118 2778202 MRPL36 -3.8741 0.0007 0.0118 2778222 MRPL36 -3.8738 0.0007 0.0118 2779326	2788801	MAFK	3.8911	0.0007	0.0115
2788460 3.8875 0.0007 0.0116 2767667 DNAJB14 -3.8868 0.0007 0.0116 2783957 -3.8863 0.0007 0.0116 2785935 3.8855 0.0007 0.0116 27873541 ACBD3 3.8849 0.0007 0.0117 2788759 RAD54L -3.8813 0.0007 0.0117 2784846 PSPC1 3.8803 0.0007 0.0117 2768793 WDR48 -3.8793 0.0007 0.0117 2768793 WDR48 -3.8793 0.0007 0.0117 2768834 FRMD3 -3.8789 0.0007 0.0117 2768834 FRMD3 -3.8776 0.0007 0.0117 2768834 FRMD3 -3.8776 0.0007 0.0117 2768834 FRMD3 -3.8771 0.0007 0.0118 27794030 MEAF6 -3.8759 0.0007 0.0118 2778022 MRPL36 -3.8741 0.0007 0.0118	2765500	UBE4B	-3.8910	0.0007	0.0115
2767667 DNAJB14 -3.8868 0.0007 0.0116 2783957 -3.8863 0.0007 0.0116 27839535 3.8859 0.0007 0.0116 2788759 RAD54L -3.8813 0.0007 0.0117 2759928 3.8803 0.0007 0.0117 2768739 WDR48 -3.8793 0.0007 0.0117 2768736 PTPN2 3.8879 0.0007 0.0117 2768834 FRMD3 -3.8776 0.0007 0.0117 2768834 FRMD3 -3.8776 0.0007 0.0117 2768834 FRMD3 -3.8776 0.0007 0.0117 2794030 MEAF6 -3.8759 0.0007 0.0118 2774019 PLCXD3 -3.8741 0.0007 0.0118 2778222 MRPL36 -3.8738 0.0007 0.0118 2778222 MRPL36 -3.8722 0.0007 0.0118 2755961 N6AMT2 -3.8713 0.0007 0.0118	2783807	MXD4	-3.8907	0.0007	0.0115
2783957 -3.8863 0.0007 0.0116 2785935 3.8855 0.0007 0.0116 2788759 RAD54L -3.8813 0.0007 0.0117 2789928 3.8803 0.0007 0.0117 2784846 PSPC1 3.8803 0.0007 0.0117 2768793 WDR48 -3.8793 0.0007 0.0117 2768834 FRMD3 -3.8776 0.0007 0.0117 2796602 EXTL3 3.8771 0.0007 0.0117 2794030 MEAF6 -3.8759 0.0007 0.0118 2774019 PLCXD3 -3.8741 0.0007 0.0118 278222 MRPL36 -3.8738 0.0007 0.0118 2778222 MRPL36 -3.8738 0.0007 0.0118 2767622 HNRNPK 3.8717 0.0007 0.0118 2759961 N6AMT2 -3.8713 0.0007 0.0118 2759962 SHISA5 3.8712 0.0007 0.0118 2759872 JARID2 3.8642 0.0007 0.0118 <t< td=""><td>2788460</td><td></td><td>3.8875</td><td>0.0007</td><td>0.0116</td></t<>	2788460		3.8875	0.0007	0.0116
2785935 3.8855 0.0007 0.0116 2773541 ACBD3 3.8849 0.0007 0.0116 2788759 RAD54L -3.8813 0.0007 0.0117 2759928 3.8803 0.0007 0.0117 2768793 WDR48 -3.8793 0.0007 0.0117 2768793 WDR48 -3.8793 0.0007 0.0117 2768834 FRMD3 -3.8776 0.0007 0.0117 2794030 MEAF6 -3.8759 0.0007 0.0118 2774019 PLCXD3 -3.8747 0.0007 0.0118 2778222 MRPL36 -3.8738 0.0007 0.0118 2778222 MRPL36 -3.8741 0.0007 0.0118 2776622 HNRNPK 3.8717 0.0007 0.0118 2757961 N6AMT2 -3.8713 0.0007 0.0118 275266 JARID2 3.8706 0.0007 0.0118 2782898 TOMM34 -3.8702 0.0007 0.0118 <td>2767667</td> <td>DNAJB14</td> <td>-3.8868</td> <td>0.0007</td> <td>0.0116</td>	2767667	DNAJB14	-3.8868	0.0007	0.0116
2773541 ACBD3 3.8849 0.0007 0.0116 2788759 RAD54L -3.8813 0.0007 0.0117 2784846 PSPC1 3.8803 0.0007 0.0117 2768793 WDR48 -3.8793 0.0007 0.0117 2768834 FRMD3 -3.8776 0.0007 0.0117 2768834 FRMD3 -3.8776 0.0007 0.0117 2794030 MEAF6 -3.8759 0.0007 0.0118 2774019 PLCXD3 -3.8741 0.0007 0.0118 2788050 -3.8741 0.0007 0.0118 2778222 MRPL36 -3.8738 0.0007 0.0118 2775961 N6AMT2 -3.8713 0.0007 0.0118 27793262 SHISA5 3.8712 0.0007 <td>2783957</td> <td></td> <td>-3.8863</td> <td>0.0007</td> <td>0.0116</td>	2783957		-3.8863	0.0007	0.0116
2788759 RAD54L -3.8813 0.0007 0.0117 2759928 3.8803 0.0007 0.0117 2784846 PSPC1 3.8803 0.0007 0.0117 2768793 WDR48 -3.8793 0.0007 0.0117 2768834 FRMD3 -3.8776 0.0007 0.0117 276862 EXTL3 3.8771 0.0007 0.0117 2794030 MEAF6 -3.8759 0.0007 0.0118 2774019 PLCXD3 -3.8747 0.0007 0.0118 278222 MRPL36 -3.8738 0.0007 0.0118 2771032 KCNS1 -3.8722 0.0007 0.0118 2767622 HNRNPK 3.8717 0.0007 0.0118 275961 N6AMT2 -3.8738 0.0007 0.0118 2757961 N6AMT2 -3.8713 0.0007 0.0118 2757964 JARID2 3.8706 0.0007 0.0118 2758989 TOMM34 -3.8702 0.0007 0.0118 27828089 TOMM34 -3.8762 0.0007	2785935		3.8855	0.0007	0.0116
2759928 3.8803 0.0007 0.0117 2784846 PSPC1 3.8803 0.0007 0.0117 2768793 WDR48 -3.8793 0.0007 0.0117 2768834 FRMD3 -3.8776 0.0007 0.0117 2796602 EXTL3 3.8771 0.0007 0.0117 2794030 MEAF6 -3.8759 0.0007 0.0118 2774019 PLCXD3 -3.8747 0.0007 0.0118 2780950 -3.8741 0.0007 0.0118 2778222 MRPL36 -3.8738 0.0007 0.0118 2776222 HNRNPK -3.8712 0.0007 0.0118 276622 HNRNPK 3.8717 0.0007 0.0118 2757961 N6AMT2 -3.8713 0.0007 0.0118 27793262 SHISA5 3.8712 0.0007 0.0118 2779466 JARID2 3.8706 0.0007 0.0118 2782898 TOMM34 -3.8702 0.0007 0.0118 2788039 SLC2A3 3.8642 0.0007 0.0120	2773541	ACBD3	3.8849	0.0007	0.0116
2759928 3.8803 0.0007 0.0117 2784846 PSPC1 3.8803 0.0007 0.0117 2768793 WDR48 -3.8793 0.0007 0.0117 2773776 PTPN2 3.8789 0.0007 0.0117 2768834 FRMD3 -3.8776 0.0007 0.0117 2796030 MEAF6 -3.8759 0.0007 0.0118 2774019 PLCXD3 -3.8747 0.0007 0.0118 2780950 -3.8741 0.0007 0.0118 2778222 MRPL36 -3.8738 0.0007 0.0118 2778222 MRPL36 -3.8738 0.0007 0.0118 276622 HNRNPK 3.8717 0.0007 0.0118 2757961 N6AMT2 -3.8713 0.0007 0.0118 27793262 SHISA5 3.8712 0.0007 0.0118 27793262 SHISA5 3.8712 0.0007 0.0118 2778266 JARID2 3.8766 0.0007 0.0118 2782898 TOMM34 -3.8702 0.0007 0.0118	2788759	RAD54L	-3.8813	0.0007	0.0117
2784846 PSPC1 3.8803 0.0007 0.0117 2768793 WDR48 -3.8793 0.0007 0.0117 2773776 PTPN2 3.8789 0.0007 0.0117 2786834 FRMD3 -3.8776 0.0007 0.0117 2796602 EXTL3 3.8771 0.0007 0.0118 2774019 PLCXD3 -3.8747 0.0007 0.0118 2780950 -3.8741 0.0007 0.0118 278222 MRPL36 -3.8738 0.0007 0.0118 2778222 MRPL36 -3.8738 0.0007 0.0118 27767622 HNRNPK 3.8717 0.0007 0.0118 2757961 N6AMT2 -3.8713 0.0007 0.0118 27593262 SHISA5 3.8712 0.0007 0.0118 2772466 JARID2 3.8706 0.0007 0.0118 2788039 SLC2A3 3.8687 0.0007 0.0118 2788049 TOMM34 -3.872 0.0007	2759928			0.0007	
2768793 WDR48 -3.8793 0.0007 0.0117 2773776 PTPN2 3.8789 0.0007 0.0117 2768834 FRMD3 -3.8776 0.0007 0.0117 2794030 MEAF6 -3.8759 0.0007 0.0118 2774019 PLCXD3 -3.8747 0.0007 0.0118 2780950 -3.8741 0.0007 0.0118 2778222 MRPL36 -3.8738 0.0007 0.0118 2771032 KCNS1 -3.8722 0.0007 0.0118 2767622 HNRNPK 3.8717 0.0007 0.0118 2757961 N6AMT2 -3.8713 0.0007 0.0118 2757962 SHISA5 3.8712 0.0007 0.0118 275266 JARID2 3.8706 0.0007 0.0118 27582898 TOMM34 -3.8702 0.0007 0.0118 276880 -4.1848 0.0003 0.0075 2774239 RNF126 3.8642 0.0007 0.0120 <td>2784846</td> <td>PSPC1</td> <td></td> <td>0.0007</td> <td>0.0117</td>	2784846	PSPC1		0.0007	0.0117
2773776 PTPN2 3.8789 0.0007 0.0117 2768834 FRMD3 -3.8776 0.0007 0.0117 2796602 EXTL3 3.8771 0.0007 0.0117 2794030 MEAF6 -3.8759 0.0007 0.0118 2774019 PLCXD3 -3.8747 0.0007 0.0118 2780950 -3.8741 0.0007 0.0118 2778222 MRPL36 -3.8738 0.0007 0.0118 2771032 KCNS1 -3.8722 0.0007 0.0118 2767622 HNRNPK 3.8717 0.0007 0.0118 2757961 N6AMT2 -3.8713 0.0007 0.0118 275962 SHISA5 3.8712 0.0007 0.0118 2772466 JARID2 3.8706 0.0007 0.0118 2782898 TOMM34 -3.8702 0.0007 0.0118 2786039 SLC2A3 3.8647 0.0007 0.0129 2774239 RNF126 3.8642 0.0007				0.0007	
2768834 FRMD3 -3.8776 0.0007 0.0117 2796602 EXTL3 3.8771 0.0007 0.0117 2794030 MEAF6 -3.8759 0.0007 0.0118 2774019 PLCXD3 -3.8747 0.0007 0.0118 2780950 -3.8741 0.0007 0.0118 2778222 MRPL36 -3.8738 0.0007 0.0118 2767622 HNRNPK 3.8717 0.0007 0.0118 2757961 N6AMT2 -3.8713 0.0007 0.0118 2757961 N6AMT2 -3.8713 0.0007 0.0118 27793262 SHISA5 3.8712 0.0007 0.0118 2782898 TOMM34 -3.8706 0.0007 0.0118 2782898 TOMM34 -3.8706 0.0007 0.0118 2787803 SLC2A3 3.8687 0.0007 0.0119 2767880 -4.1848 0.0003 0.0075 2774239 RNF126 3.8642 0.0007 0.0120 2775282 XP_002188032.1 -4.1757 0.0003 0.0				0.0007	
2796602 EXTL3 3.8771 0.0007 0.0117 2794030 MEAF6 -3.8759 0.0007 0.0118 2774019 PLCXD3 -3.8747 0.0007 0.0118 2780950 -3.8741 0.0007 0.0118 2778222 MRPL36 -3.8738 0.0007 0.0118 2771032 KCNS1 -3.8722 0.0007 0.0118 2767622 HNRNPK 3.8717 0.0007 0.0118 2757961 N6AMT2 -3.8713 0.0007 0.0118 2793262 SHISA5 3.8712 0.0007 0.0118 2772466 JARID2 3.8706 0.0007 0.0118 2782898 TOMM34 -3.8702 0.0007 0.0118 2782898 TOMM34 -3.8702 0.0007 0.0118 2767880 -4.1848 0.0003 0.0075 2774759 ZNF830 3.8642 0.0007 0.0120 2776244 -4.1795 0.0003 0.0076 2778282 XP_002188032.1 -4.1757 0.0003 0.0076					
2794030 MEAF6 -3.8759 0.0007 0.0118 2774019 PLCXD3 -3.8747 0.0007 0.0118 2789950 -3.8741 0.0007 0.0118 2778222 MRPL36 -3.8738 0.0007 0.0118 2771032 KCNS1 -3.8722 0.0007 0.0118 2767622 HNRNPK 3.8717 0.0007 0.0118 2757961 N6AMT2 -3.8713 0.0007 0.0118 2793262 SHISA5 3.8712 0.0007 0.0118 2772466 JARID2 3.8706 0.0007 0.0118 2782898 TOMM34 -3.8702 0.0007 0.0118 2788039 SLC2A3 3.8687 0.0007 0.0119 276780 -4.1848 0.0003 0.0075 2774759 ZNF830 3.8642 0.0007 0.0120 2779244 -4.1795 0.0003 0.0076 2799872 C3ORF37 -3.8632 0.0007 0.0120 2775282 XP_002188032.1 -4.1757 0.0003 0.0076					
2774019 PLCXD3 -3.8747 0.0007 0.0118 2780950 -3.8741 0.0007 0.0118 2778222 MRPL36 -3.8738 0.0007 0.0118 2771032 KCNS1 -3.8722 0.0007 0.0118 2767622 HNRNPK 3.8717 0.0007 0.0118 2757961 N6AMT2 -3.8713 0.0007 0.0118 2793262 SHISA5 3.8712 0.0007 0.0118 2772466 JARID2 3.8706 0.0007 0.0118 2782898 TOMM34 -3.8702 0.0007 0.0118 2788039 SLC2A3 3.8687 0.0007 0.0119 2767880 -4.1848 0.0003 0.0075 2774239 RNF126 3.8642 0.0007 0.0120 2779244 -4.1795 0.0003 0.0076 279872 C3ORF37 -3.8632 0.0007 0.0120 2775282 XP_002188032.1 -4.1757 0.0003 0.0076 2776580 TANC2 3.8579 0.0007 0.0121					
2780950 -3.8741 0.0007 0.0118 2778222 MRPL36 -3.8738 0.0007 0.0118 2771032 KCNS1 -3.8722 0.0007 0.0118 2767622 HNRNPK 3.8717 0.0007 0.0118 2757961 N6AMT2 -3.8713 0.0007 0.0118 2793262 SHISA5 3.8702 0.0007 0.0118 2782898 TOMM34 -3.8702 0.0007 0.0118 2788039 SLC2A3 3.8687 0.0007 0.0119 2767880 -4.1848 0.0003 0.0075 2774239 RNF126 3.8642 0.0007 0.0120 2770244 -4.1795 0.0003 0.0076 2799872 C3ORF37 -3.8632 0.0007 0.0120 2775282 XP_002188032.1 -4.1757 0.0003 0.0076 2776580 TANC2 3.8549 0.0007 0.0121 278724 DLX1 -3.854 0.0007 0.0121 276580 TANC2 3.8579 0.0007 0.0121					
2778222 MRPL36 -3.8738 0.0007 0.0118 2771032 KCNS1 -3.8722 0.0007 0.0118 2767622 HNRNPK 3.8717 0.0007 0.0118 2757961 N6AMT2 -3.8713 0.0007 0.0118 2793262 SHISA5 3.8712 0.0007 0.0118 2782898 TOMM34 -3.8702 0.0007 0.0118 2788039 SLC2A3 3.8687 0.0007 0.0119 2767880 -4.1848 0.0003 0.0075 2774239 RNF126 3.8642 0.0007 0.0120 2770244 -4.1795 0.0003 0.0076 2799872 C3ORF37 -3.8632 0.0007 0.0120 2775282 XP_002188032.1 -4.1757 0.0003 0.0076 2776580 TANC2 3.8549 0.0007 0.0121 278724 DLX1 -3.8584 0.0007 0.0121 276580 TANC2 3.8579 0.0007 0.0121 2763084 KLHDC4 -3.8564 0.0007 0.0121 </td <td></td> <td></td> <td></td> <td></td> <td></td>					
2771032 KCNS1 -3.8722 0.0007 0.0118 2767622 HNRNPK 3.8717 0.0007 0.0118 2757961 N6AMT2 -3.8713 0.0007 0.0118 2793262 SHISA5 3.8712 0.0007 0.0118 2772466 JARID2 3.8706 0.0007 0.0118 2782898 TOMM34 -3.8702 0.0007 0.0118 2788039 SLC2A3 3.8687 0.0007 0.0119 2767880 -4.1848 0.0003 0.0075 2774759 ZNF830 3.8642 0.0007 0.0120 2774239 RNF126 3.8642 0.0007 0.0120 2779244 -4.1795 0.0003 0.0076 2799872 C3ORF37 -3.8632 0.0007 0.0120 2775282 XP_002188032.1 -4.1757 0.0003 0.0076 2776895 FECH -3.8602 0.0007 0.0121 2776580 TANC2 3.8579 0.0007 0.0121 2763084 KLHDC4 -3.8570 0.0007 0.0121		MRPL36			
2767622 HNRNPK 3.8717 0.0007 0.0118 2757961 N6AMT2 -3.8713 0.0007 0.0118 2793262 SHISA5 3.8712 0.0007 0.0118 2772466 JARID2 3.8706 0.0007 0.0118 2782898 TOMM34 -3.8702 0.0007 0.0119 2786039 SLC2A3 3.8687 0.0007 0.0119 2767880 -4.1848 0.0003 0.0075 2774759 ZNF830 3.8642 0.0007 0.0120 2774239 RNF126 3.8642 0.0007 0.0120 2770244 -4.1795 0.0003 0.0076 2799872 C3ORF37 -3.8632 0.0007 0.0120 2775282 XP_002188032.1 -4.1757 0.0003 0.0076 2776895 FECH -3.8602 0.0007 0.0121 2776580 TANC2 3.8579 0.0007 0.0121 2763084 KLHDC4 -3.8570 0.0007 0.0121 2769542 -3.8564 0.0007 0.0121 <					
$\begin{array}{cccccccccccccccccccccccccccccccccccc$					
2793262 SHISA5 3.8712 0.0007 0.0118 2772466 JARID2 3.8706 0.0007 0.0118 2782898 TOMM34 -3.8702 0.0007 0.0118 2788039 SLC2A3 3.8687 0.0007 0.0119 2767880 -4.1848 0.0003 0.0075 2774759 ZNF830 3.8642 0.0007 0.0120 2770244 -4.1795 0.0003 0.0076 2799872 C3ORF37 -3.8632 0.0007 0.0120 2775282 XP_002188032.1 -4.1757 0.0003 0.0076 2776895 FECH -3.8602 0.0007 0.0121 2787724 DLX1 -3.8584 0.0007 0.0121 2782804 FAR1 -3.8579 0.0007 0.0121 2763084 KLHDC4 -3.8579 0.0007 0.0121 2769542 -3.8564 0.0007 0.0121 2783295 3.9475 0.0006 0.0110 2763990 LMBRD1 -3.8552 0.0007 0.0121 2787113 </td <td></td> <td></td> <td></td> <td></td> <td></td>					
2772466 JARID2 3.8706 0.0007 0.0118 2782898 TOMM34 -3.8702 0.0007 0.0118 2788039 SLC2A3 3.8687 0.0007 0.0119 2767880 -4.1848 0.0003 0.0075 2774759 ZNF830 3.8642 0.0007 0.0120 2774239 RNF126 3.8642 0.0007 0.0120 2770244 -4.1795 0.0003 0.0076 2799872 C3ORF37 -3.8632 0.0007 0.0120 2775282 XP_002188032.1 -4.1757 0.0003 0.0076 2776895 FECH -3.8602 0.0007 0.0121 2776580 TANC2 3.8579 0.0007 0.0121 2782804 FAR1 -3.8579 0.0007 0.0121 2763084 KLHDC4 -3.8570 0.0007 0.0121 2769542 -3.8564 0.0007 0.0121 2763990 LMBRD1 -3.8552 0.0007 0.0121 2763990 LMBRD1 -3.8552 0.0007 0.0121 <					
2782898 TOMM34 -3.8702 0.0007 0.0118 2788039 SLC2A3 3.8687 0.0007 0.0119 2767880 -4.1848 0.0003 0.0075 2774759 ZNF830 3.8642 0.0007 0.0120 2774239 RNF126 3.8642 0.0007 0.0120 2770244 -4.1795 0.0003 0.0076 2799872 C3ORF37 -3.8632 0.0007 0.0120 2775282 XP_002188032.1 -4.1757 0.0003 0.0076 2776895 FECH -3.8602 0.0007 0.0121 2787724 DLX1 -3.8584 0.0007 0.0121 2782804 FAR1 -3.8579 0.0007 0.0121 2763084 KLHDC4 -3.8579 0.0007 0.0121 2769542 -3.8564 0.0007 0.0121 2783295 3.9475 0.0006 0.0110 2763990 LMBRD1 -3.8552 0.0007 0.0121 2787113 UQCR11 -4.1689 0.0004 0.0077				0.0007	
2788039 SLC2A3 3.8687 0.0007 0.0119 2767880 -4.1848 0.0003 0.0075 2774759 ZNF830 3.8642 0.0007 0.0120 2774239 RNF126 3.8642 0.0007 0.0120 2770244 -4.1795 0.0003 0.0076 2799872 C3ORF37 -3.8632 0.0007 0.0120 2785046 -3.8616 0.0007 0.0120 2775282 XP_002188032.1 -4.1757 0.0003 0.0076 2776895 FECH -3.8602 0.0007 0.0121 2787724 DLX1 -3.8584 0.0007 0.0121 2776580 TANC2 3.8579 0.0007 0.0121 2763084 KLHDC4 -3.8570 0.0007 0.0121 2769542 -3.8564 0.0007 0.0121 2783295 3.9475 0.0006 0.0110 2763990 LMBRD1 -3.8552 0.0007 0.0121 2787113 UQCR11 -4.1689 0.0004 0.0077					
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		SLC2A3			
2774759 ZNF830 3.8642 0.0007 0.0120 2774239 RNF126 3.8642 0.0007 0.0120 2770244 -4.1795 0.0003 0.0076 2799872 C3ORF37 -3.8632 0.0007 0.0120 2785046 -3.8616 0.0007 0.0120 2775282 XP_002188032.1 -4.1757 0.0003 0.0076 2776895 FECH -3.8602 0.0007 0.0121 2787724 DLX1 -3.8584 0.0007 0.0121 2776580 TANC2 3.8579 0.0007 0.0121 2783084 KLHDC4 -3.8579 0.0007 0.0121 2763084 KLHDC4 -3.8564 0.0007 0.0121 2791860 RAB14 -3.8555 0.0007 0.0121 2783295 3.9475 0.0006 0.0110 2763990 LMBRD1 -3.8552 0.0007 0.0121 2787113 UQCR11 -4.1689 0.0004 0.0077					
2774239 RNF126 3.8642 0.0007 0.0120 2770244 -4.1795 0.0003 0.0076 2799872 C3ORF37 -3.8632 0.0007 0.0120 2785046 -3.8616 0.0007 0.0120 2775282 XP_002188032.1 -4.1757 0.0003 0.0076 2776895 FECH -3.8602 0.0007 0.0121 2787724 DLX1 -3.8584 0.0007 0.0121 2776580 TANC2 3.8579 0.0007 0.0121 2782804 FAR1 -3.8579 0.0007 0.0121 2763084 KLHDC4 -3.8570 0.0007 0.0121 2791860 RAB14 -3.8555 0.0007 0.0121 2783295 3.9475 0.0006 0.0110 2763990 LMBRD1 -3.8552 0.0007 0.0121 2787113 UQCR11 -4.1689 0.0004 0.0077		ZNF830			
$\begin{array}{cccccccccccccccccccccccccccccccccccc$					
2799872 C3ORF37 -3.8632 0.0007 0.0120 2785046 -3.8616 0.0007 0.0120 2775282 XP_002188032.1 -4.1757 0.0003 0.0076 2776895 FECH -3.8602 0.0007 0.0121 2787724 DLX1 -3.8584 0.0007 0.0121 2776580 TANC2 3.8579 0.0007 0.0121 2782804 FAR1 -3.8579 0.0007 0.0121 2763084 KLHDC4 -3.8570 0.0007 0.0121 2791860 RAB14 -3.8555 0.0007 0.0121 2783295 3.9475 0.0006 0.0110 2763990 LMBRD1 -3.8552 0.0007 0.0121 2787113 UQCR11 -4.1689 0.0004 0.0077					
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		C3ORF37			
$\begin{array}{cccccccccccccccccccccccccccccccccccc$					
2776895 FECH -3.8602 0.0007 0.0121 2787724 DLX1 -3.8584 0.0007 0.0121 2776580 TANC2 3.8579 0.0007 0.0121 2782804 FAR1 -3.8579 0.0007 0.0121 2763084 KLHDC4 -3.8570 0.0007 0.0121 2769542 -3.8564 0.0007 0.0121 2791860 RAB14 -3.8555 0.0007 0.0121 2783295 3.9475 0.0006 0.0110 2763990 LMBRD1 -3.8552 0.0007 0.0121 2787113 UQCR11 -4.1689 0.0004 0.0077		XP 002188032.1			
2787724 DLX1 -3.8584 0.0007 0.0121 2776580 TANC2 3.8579 0.0007 0.0121 2782804 FAR1 -3.8579 0.0007 0.0121 2763084 KLHDC4 -3.8570 0.0007 0.0121 2769542 -3.8564 0.0007 0.0121 2791860 RAB14 -3.8555 0.0007 0.0121 2783295 3.9475 0.0006 0.0110 2763990 LMBRD1 -3.8552 0.0007 0.0121 2787113 UQCR11 -4.1689 0.0004 0.0077					
$\begin{array}{cccccccccccccccccccccccccccccccccccc$					
2782804 FAR1 -3.8579 0.0007 0.0121 2763084 KLHDC4 -3.8570 0.0007 0.0121 2769542 -3.8564 0.0007 0.0121 2791860 RAB14 -3.8555 0.0007 0.0121 2783295 3.9475 0.0006 0.0110 2763990 LMBRD1 -3.8552 0.0007 0.0121 2787113 UQCR11 -4.1689 0.0004 0.0077					
2763084 KLHDC4 -3.8570 0.0007 0.0121 2769542 -3.8564 0.0007 0.0121 2791860 RAB14 -3.8555 0.0007 0.0121 2783295 3.9475 0.0006 0.0110 2763990 LMBRD1 -3.8552 0.0007 0.0121 2787113 UQCR11 -4.1689 0.0004 0.0077					
2769542 -3.8564 0.0007 0.0121 2791860 RAB14 -3.8555 0.0007 0.0121 2783295 3.9475 0.0006 0.0110 2763990 LMBRD1 -3.8552 0.0007 0.0121 2787113 UQCR11 -4.1689 0.0004 0.0077					
2791860 RAB14 -3.8555 0.0007 0.0121 2783295 3.9475 0.0006 0.0110 2763990 LMBRD1 -3.8552 0.0007 0.0121 2787113 UQCR11 -4.1689 0.0004 0.0077		v -			
2783295 3.9475 0.0006 0.0110 2763990 LMBRD1 -3.8552 0.0007 0.0121 2787113 UQCR11 -4.1689 0.0004 0.0077		RAB14			
2763990 LMBRD1 -3.8552 0.0007 0.0121 2787113 UQCR11 -4.1689 0.0004 0.0077					
2787113 UQCR11 -4.1689 0.0004 0.0077		LMBRD1			
•					
	2787584	PRRG3	3.8546	0.0007	0.0122

2794772 KCNC1 -3.8517 0.0007 0.0122 2768242 FOS 3.8510 0.0007 0.0122 2766099 3.8497 0.0007 0.0123 2760750 ACTC1 3.8488 0.0007 0.0123 27661222 STAG2 -3.8467 0.0007 0.0123 2780743 NETO1 3.8408 0.0008 0.0125 2767917 ARIH2 3.8377 0.0008 0.0125 2777314 CTCF -3.8373 0.0008 0.0125 27773181 SYTL4 -3.8371 0.0008 0.0125 2782972 P2RY1 -3.8368 0.0008 0.0125 2766944 R3HDM2 3.8366 0.0008 0.0125 2765281 4.3831 -3.836 0.0008 0.0125 2766381 -3.836 0.0008 0.0125 2765252 RY4 3.835 0.0008 0.0126 27762252 RY4 3.8335 0.0008 0.0126		gene_symbols	t	P.Value	adj.P.Val
2768242 FOS 3.8510 0.0007 0.0122 2766099 3.8497 0.0007 0.0123 2760750 ACTC1 3.8488 0.0007 0.0123 2760750 ACTC1 3.8484 0.0007 0.0123 2796621 CAPZB 3.8408 0.0008 0.0125 2780743 NETO1 3.8403 0.0008 0.0125 2788741 LMO7 3.8379 0.0008 0.0125 2767917 ARIH2 3.8377 0.0008 0.0125 2777314 CTCF -3.8373 0.0008 0.0125 27789712 CTCF -3.8373 0.0008 0.0125 27783181 SYTL4 -3.8371 0.0008 0.0125 2782972 P2RY1 -3.8368 0.0008 0.0125 2763881 -3.8360 0.0008 0.0125 2794561 IKBKAP 3.9269 0.0006 0.0125 2796252 RAB32 -3.830 0.0008 0.0126	2793338	CLCA2	-3.8541	0.0007	0.0122
2766099	2794772	KCNC1	-3.8517	0.0007	0.0122
2770698 PTPN2 3.8488 0.0007 0.0123 2760750 ACTC1 3.8484 0.0007 0.0123 2796621 CAPZB 3.8467 0.0007 0.0123 2796621 CAPZB 3.8408 0.0008 0.0125 2780743 NETO1 3.8379 0.0008 0.0125 27678917 ARIH2 3.8379 0.0008 0.0125 27773181 SYTL4 -3.8373 0.0008 0.0125 2773181 SYTL4 -3.8368 0.0008 0.0125 2769944 R3HDM2 3.8366 0.0008 0.0125 2766381 -3.8363 0.0008 0.0125 2766382 CAT -3.8348 0.0008 0.0125 2766382 CAT -3.8349 0.0008 0.0126 2795222 RAB32 -3.8360 0.0008 0.0126 2781131 -3.8330 0.0008 0.0126 2781143 -3.8350 0.0008 0.0126	2768242	FOS	3.8510	0.0007	0.0122
2760750 ACTC1 3.8484 0.0007 0.0123 2761222 STAG2 -3.8467 0.0007 0.0123 2796621 CAPZB 3.8408 0.0008 0.0125 2780743 NETO1 3.8403 0.0008 0.0125 2768874 LMO7 3.8377 0.0008 0.0125 2777314 CTCF -3.8373 0.0008 0.0125 27773181 SYTL4 -3.8373 0.0008 0.0125 27782972 P2RY1 -3.8368 0.0008 0.0125 2763881 -3.8366 0.0008 0.0125 2763881 -3.8363 0.0008 0.0125 2794561 IKBKAP 3.9269 0.0006 0.0113 2795222 RAB32 -3.8360 0.0008 0.0126 2785113 -3.8355 0.0008 0.0126 2785215 SYT4 3.8335 0.0008 0.0126 278545 TSC22D3 -3.8309 0.0008 0.0127 <	2766099		3.8497	0.0007	0.0123
2761222 STAG2 -3.8467 0.0007 0.0123	2770698	PTPN2	3.8488	0.0007	0.0123
2796621	2760750	ACTC1	3.8484	0.0007	0.0123
2780743 NETO1 3.8403 0.0008 0.0125 2768874 LMO7 3.8379 0.0008 0.0125 2767917 ARIH2 3.8377 0.0008 0.0125 2777318 CTCF -3.8373 0.0008 0.0125 2773181 SYTL4 -3.8371 0.0008 0.0125 2769944 R3HDM2 -3.8366 0.0008 0.0125 2763881 -3.8363 0.0008 0.0125 2794561 IKBKAP 3.9269 0.0006 0.0113 2795222 RAB32 -3.8360 0.0008 0.0126 2766382 CAT -3.8348 0.0008 0.0126 278113 -3.8330 0.0008 0.0126 2781113 -3.8335 0.0008 0.0126 2785245 TSC22D3 -3.8390 0.0008 0.0126 2785143 A3.8390 0.0008 0.0127 2766493 RAC1 -3.8276 0.0008 0.0127 2766493	2761222	STAG2	-3.8467	0.0007	0.0123
2768874 LMO7 3.8379 0.0008 0.0125 2767917 ARIH2 3.8377 0.0008 0.0125 2777314 CTCF -3.8373 0.0008 0.0125 2782972 P2RY1 -3.8368 0.0008 0.0125 2769944 R3HDM2 3.8366 0.0008 0.0125 2763881 -3.8363 0.0008 0.0125 2794561 IKBKAP 3.9269 0.0006 0.0113 2795222 RAB32 -3.8360 0.0008 0.0125 2766382 CAT -3.8348 0.0008 0.0126 2781113 -3.8330 0.0008 0.0126 2781113 -3.8330 0.0008 0.0126 2794705 TCF12 -3.8325 0.0008 0.0126 2785245 TSC22D3 -3.8309 0.0008 0.0126 2786413 GPM6B -3.8276 0.0008 0.0127 2766941 JARID2 3.8267 0.0008 0.0127	2796621	CAPZB	3.8408	0.0008	0.0125
2767917	2780743	NETO1	3.8403	0.0008	0.0125
2777314 CTCF -3.8373 0.0008 0.0125 2773181 SYTL4 -3.8371 0.0008 0.0125 2782972 P2RY1 -3.8368 0.0008 0.0125 2766944 R3HDM2 3.8366 0.0008 0.0125 2763881 -3.8363 0.0008 0.0125 2794561 IKBKAP 3.9269 0.0006 0.0113 2795222 RAB32 -3.8360 0.0008 0.0126 2766382 CAT -3.8348 0.0008 0.0126 2762252 SYT4 3.8335 0.0008 0.0126 278113 -3.8330 0.0008 0.0126 2781113 -3.8330 0.0008 0.0126 278113 -3.8330 0.0008 0.0126 278113 -3.8330 0.0008 0.0126 278545 TSC22D3 -3.8399 0.0008 0.0127 2765493 RAC1 3.8276 0.0008 0.0127 2766493 RAC1	2768874	LMO7	3.8379	0.0008	0.0125
2773181 SYTL4 -3.8371 0.0008 0.0125 2782972 P2RY1 -3.8368 0.0008 0.0125 2769844 R3HDM2 3.8366 0.0008 0.0125 2763881 -3.8363 0.0008 0.0125 2794561 IKBKAP 3.9269 0.0006 0.0113 2795222 RAB32 -3.8360 0.0008 0.0125 2766382 CAT -3.8348 0.0008 0.0126 2781113 -3.8330 0.0008 0.0126 2794705 TCF12 -3.8325 0.0008 0.0126 2785245 TSC22D3 -3.8309 0.0008 0.0126 2761643 GPM6B -3.8276 0.0008 0.0127 27669493 RAC1 3.8271 0.0008 0.0127 27666411 JARID2 3.8267 0.0008 0.0127 2762070 CORO1C 3.8267 0.0008 0.0127 277965 DX3X 3.8253 0.0008 0.0129	2767917	ARIH2	3.8377	0.0008	0.0125
2782972 P2RY1 -3.8368 0.0008 0.0125 2769944 R3HDM2 3.8366 0.0008 0.0125 2763881 -3.8363 0.0008 0.0125 2794561 IKBKAP 3.9269 0.0006 0.0113 2795222 RAB32 -3.8360 0.0008 0.0125 2766382 CAT -3.8348 0.0008 0.0126 2762252 SYT4 3.8335 0.0008 0.0126 2781113 -3.8330 0.0008 0.0126 2781705 TCF12 -3.8325 0.0008 0.0126 2785245 TSC22D3 -3.8309 0.0008 0.0126 2761643 GPM6B -3.8276 0.0008 0.0127 2766493 RAC1 3.8271 0.0008 0.0127 2766411 JARID2 3.8267 0.0008 0.0127 2766970 COROIC 3.8260 0.0008 0.0127 2777965 DDX3X 3.8260 0.0008 0.0129 <	2777314	CTCF	-3.8373	0.0008	0.0125
2769944 R3HDM2 3.8366 0.0008 0.0125 2763881 -3.8363 0.0008 0.0125 2794561 IKBKAP 3.9269 0.0006 0.0113 2795222 RAB32 -3.8360 0.0008 0.0125 2766382 CAT -3.8348 0.0008 0.0126 2762252 SYT4 3.8335 0.0008 0.0126 2781113 -3.8330 0.0008 0.0126 2785145 TSC22D3 -3.8309 0.0008 0.0126 2765493 RAC1 3.8276 0.0008 0.0127 2765493 RAC1 3.8274 0.0008 0.0127 2766498 DCUNID5 3.8271 0.0008 0.0127 2766411 JARID2 3.8267 0.0008 0.0127 27783018 WDR5 -3.8267 0.0008 0.0127 27772702 COROIC 3.8260 0.0008 0.0127 2777202 3.9104 0.0007 0.016 <t< td=""><td>2773181</td><td>SYTL4</td><td>-3.8371</td><td>0.0008</td><td>0.0125</td></t<>	2773181	SYTL4	-3.8371	0.0008	0.0125
2763881	2782972	P2RY1	-3.8368	0.0008	0.0125
2794561 IKBKAP 3.9269 0.0006 0.0113 2795222 RAB32 -3.8360 0.0008 0.0125 2762525 SYT4 -3.8348 0.0008 0.0126 2781113 -3.8330 0.0008 0.0126 2794705 TCF12 -3.8325 0.0008 0.0126 2785245 TSC22D3 -3.8309 0.0008 0.0126 2765493 RAC1 3.8274 0.0008 0.0127 2766493 RAC1 3.8274 0.0008 0.0127 2766493 RAC1 3.8267 0.0008 0.0127 2766491 JARID2 3.8267 0.0008 0.0127 2766411 JARID2 3.8267 0.0008 0.0127 2778018 WDR5 -3.8267 0.0008 0.0127 2777965 DDX3X 3.8253 0.0008 0.0127 2777002 3.9104 0.0007 0.0116 2779583 TCP11L2 -3.8197 0.0008 0.0129 27791736 CTCF -3.8182 0.0008 0.0129	2769944	R3HDM2	3.8366	0.0008	0.0125
2795222 RAB32 -3.8360 0.0008 0.0125 2766382 CAT -3.8348 0.0008 0.0126 2762252 SYT4 3.8335 0.0008 0.0126 2781113 -3.8330 0.0008 0.0126 2794705 TCF12 -3.8325 0.0008 0.0126 2785245 TSC22D3 -3.8309 0.0008 0.0126 2761643 GPM6B -3.8276 0.0008 0.0127 2765493 RAC1 3.8274 0.0008 0.0127 2766989 DCUN1D5 3.8271 0.0008 0.0127 2766411 JARID2 3.8267 0.0008 0.0127 2783018 WDR5 -3.8267 0.0008 0.0127 2777965 DDX3X 3.8253 0.0008 0.0127 27772210 SEC61A1 3.8208 0.0008 0.0129 2777022 3.9104 0.0007 0.016 2776438 CAMK2A -3.8197 0.0008 0.0129 2771736 CTCF -3.8182 0.0008 0.0129	2763881		-3.8363	0.0008	0.0125
2766382 CAT -3.8348 0.0008 0.0126 2762252 SYT4 3.8335 0.0008 0.0126 2781113 -3.8330 0.0008 0.0126 2794705 TCF12 -3.8325 0.0008 0.0126 2785245 TSC22D3 -3.8309 0.0008 0.0127 2765493 RAC1 3.8276 0.0008 0.0127 2766989 DCUN1D5 3.8271 0.0008 0.0127 2766411 JARID2 3.8267 0.0008 0.0127 2762070 COROIC 3.8267 0.0008 0.0127 27772210 SEC61A1 3.8208 0.0008 0.0127 27772210 SEC61A1 3.8208 0.0008 0.0127 2776438 CAMK2A -3.8197 0.0008 0.0129 2779583 TCP11L2 -3.8194 0.0008 0.0129 2778136 CTCF -3.8182 0.0008 0.0129 2799583 TCP11L2 -3.8194 0.0008 </td <td>2794561</td> <td>IKBKAP</td> <td>3.9269</td> <td>0.0006</td> <td>0.0113</td>	2794561	IKBKAP	3.9269	0.0006	0.0113
2762252 SYT4 3.8335 0.0008 0.0126 2781113 -3.8330 0.0008 0.0126 2794705 TCF12 -3.8325 0.0008 0.0126 2785245 TSC22D3 -3.8309 0.0008 0.0126 2765493 RAC1 3.8274 0.0008 0.0127 2766989 DCUN1D5 3.8271 0.0008 0.0127 2766411 JARID2 3.8267 0.0008 0.0127 2762070 CORO1C 3.8260 0.0008 0.0127 2777965 DDX3X 3.8253 0.0008 0.0127 2777021 SEC61A1 3.8208 0.0008 0.0129 2770022 3.9104 0.0007 0.0116 2776438 CAMK2A -3.8197 0.0008 0.0129 2771736 CTCF -3.8182 0.0008 0.0129 27789534 H3F3B 3.8175 0.0008 0.0129 27789702 -3.8182 0.0008 0.0129 2771030 -3.8166 0.0008 0.0129 2789137 <	2795222	RAB32	-3.8360	0.0008	0.0125
2781113 -3.8330 0.0008 0.0126 2794705 TCF12 -3.8325 0.0008 0.0126 2785245 TSC22D3 -3.8309 0.0008 0.0126 2766443 GPM6B -3.8276 0.0008 0.0127 2766493 RAC1 3.8274 0.0008 0.0127 2766411 JARID2 3.8267 0.0008 0.0127 2783018 WDR5 -3.8267 0.0008 0.0127 2762070 COROIC 3.8260 0.0008 0.0127 2777965 DDX3X 3.8263 0.0008 0.0127 2777021 SEC61A1 3.8208 0.0008 0.0129 2770022 3.9104 0.0007 0.016 2776438 CAMK2A -3.8197 0.0008 0.0129 27799583 TCP11L2 -3.8194 0.0008 0.0129 27789784 H3F3B 3.8175 0.0008 0.0129 27789784 H3F3B 3.8175 0.0008 0.0129 27789785 GAD2 3.8166 0.0008 0.0129 </td <td>2766382</td> <td>CAT</td> <td>-3.8348</td> <td>0.0008</td> <td>0.0126</td>	2766382	CAT	-3.8348	0.0008	0.0126
2794705 TCF12 -3.8325 0.0008 0.0126 2785245 TSC22D3 -3.8309 0.0008 0.0126 2761643 GPM6B -3.8276 0.0008 0.0127 2765493 RAC1 3.8274 0.0008 0.0127 2766989 DCUN1D5 3.8267 0.0008 0.0127 2766411 JARID2 3.8267 0.0008 0.0127 2783018 WDR5 -3.8267 0.0008 0.0127 2762070 CORO1C 3.8260 0.0008 0.0127 2777965 DDX3X 3.8253 0.0008 0.0127 2777022 3.9104 0.0007 0.0129 27702210 SEC61A1 3.8208 0.0008 0.0129 2776438 CAMK2A -3.8197 0.0008 0.0129 2771736 CTCF -3.8182 0.0008 0.0129 277813 FEZ1 -4.2351 0.0008 0.0129 2778816 GAD2 3.8166 0.0008	2762252	SYT4	3.8335	0.0008	0.0126
2785245 TSC22D3 -3.8309 0.0008 0.0126 2761643 GPM6B -3.8276 0.0008 0.0127 2765493 RAC1 3.8274 0.0008 0.0127 2766989 DCUN1D5 3.8271 0.0008 0.0127 2766411 JARID2 3.8267 0.0008 0.0127 2783018 WDR5 -3.8267 0.0008 0.0127 2762070 CORO1C 3.8260 0.0008 0.0127 2777965 DDX3X 3.8253 0.0008 0.0127 2777022 3.9104 0.0007 0.0116 2776438 CAMK2A -3.8197 0.0008 0.0129 2771736 CTCF -3.8182 0.0008 0.0129 2771736 CTCF -3.8182 0.0008 0.0129 2789344 H3F3B 3.8175 0.0008 0.0129 2778816 GAD2 3.8166 0.0008 0.0129 2778816 GAD2 3.8166 0.0008 0.0129 278917 PMEPA1 -3.8155 0.0008 0.012	2781113		-3.8330	0.0008	0.0126
2761643 GPM6B -3.8276 0.0008 0.0127 2765493 RAC1 3.8274 0.0008 0.0127 2766989 DCUN1D5 3.8271 0.0008 0.0127 2766411 JARID2 3.8267 0.0008 0.0127 2783018 WDR5 -3.8267 0.0008 0.0127 2762070 CORO1C 3.8260 0.0008 0.0127 2777965 DDX3X 3.8253 0.0008 0.0127 27770022 3.9104 0.0007 0.0116 2776438 CAMK2A -3.8197 0.0008 0.0129 2779583 TCP11L2 -3.8182 0.0008 0.0129 2771736 CTCF -3.8182 0.0008 0.0129 277184 H3F3B 3.8175 0.0008 0.0129 278131 FEZ1 -4.2351 0.0008 0.0129 2778816 GAD2 3.8166 0.0008 0.0129 2778816 GAD2 3.8166 0.0008 0.0129 2789187 -3.8148 0.0008 0.0129 <	2794705	TCF12	-3.8325	0.0008	0.0126
2765493 RAC1 3.8274 0.0008 0.0127 2766989 DCUN1D5 3.8271 0.0008 0.0127 2766411 JARID2 3.8267 0.0008 0.0127 2783018 WDR5 -3.8267 0.0008 0.0127 2762070 CORO1C 3.8260 0.0008 0.0127 2777965 DDX3X 3.8253 0.0008 0.0129 2770022 3.9104 0.0007 0.0116 2776438 CAMK2A -3.8197 0.0008 0.0129 2771736 CTCF -3.8182 0.0008 0.0129 2778131 FEZ1 -4.2351 0.0008 0.0129 278876705 IMPAD1 -3.8172 0.0008 0.0129 2778816 GAD2 3.8166 0.0008 0.0129 2789510 PMEPA1 -3.8166 0.0008 0.0129 2789187 -3.8166 0.0008 0.0129 2770807 UBE2D3 3.8153 0.0008 0.0129 2773019 -3.8146 0.0008 0.0129 2	2785245	TSC22D3	-3.8309	0.0008	0.0126
2766989 DCUN1D5 3.8271 0.0008 0.0127 2766411 JARID2 3.8267 0.0008 0.0127 2783018 WDR5 -3.8267 0.0008 0.0127 2762070 CORO1C 3.8260 0.0008 0.0127 2777965 DDX3X 3.8253 0.0008 0.0129 2770022 3.9104 0.0007 0.0116 2776438 CAMK2A -3.8197 0.0008 0.0129 2799583 TCP11L2 -3.8194 0.0008 0.0129 2771736 CTCF -3.8182 0.0008 0.0129 2781913 FEZ1 -4.2351 0.0003 0.0073 2786705 IMPAD1 -3.8172 0.0008 0.0129 2778816 GAD2 3.8166 0.0008 0.0129 2789510 PMEPA1 -3.8165 0.0008 0.0129 2789187 -3.8158 0.0008 0.0129 2770807 UBE2D3 3.8153 0.0008 0.0129	2761643	GPM6B	-3.8276	0.0008	0.0127
2766411 JARID2 3.8267 0.0008 0.0127 2783018 WDR5 -3.8267 0.0008 0.0127 2762070 CORO1C 3.8260 0.0008 0.0127 2777965 DDX3X 3.8253 0.0008 0.0129 2770022 3.9104 0.0007 0.0116 2776438 CAMK2A -3.8197 0.0008 0.0129 2779583 TCP11L2 -3.8189 0.0008 0.0129 2771736 CTCF -3.8182 0.0008 0.0129 2798344 H3F3B 3.8175 0.0008 0.0129 2786705 IMPAD1 -3.8172 0.0008 0.0129 2778816 GAD2 3.8166 0.0008 0.0129 2789510 PMEPA1 -3.8165 0.0008 0.0129 2789187 -3.8158 0.0008 0.0129 27790807 UBE2D3 3.8153 0.0008 0.0129 2773019 -3.8146 0.0008 0.0129 2773019 -3.8145 0.0008 0.0129 27789562	2765493	RAC1	3.8274	0.0008	0.0127
2783018 WDR5 -3.8267 0.0008 0.0127 2762070 CORO1C 3.8260 0.0008 0.0127 2777965 DDX3X 3.8253 0.0008 0.0127 2772210 SEC61A1 3.8208 0.0008 0.0129 2770022 3.9104 0.0007 0.0116 2776438 CAMK2A -3.8197 0.0008 0.0129 2799583 TCP11L2 -3.8194 0.0008 0.0129 2771736 CTCF -3.8182 0.0008 0.0129 2789344 H3F3B 3.8175 0.0008 0.0129 2781913 FEZ1 -4.2351 0.0008 0.0129 278816 GAD2 3.8166 0.0008 0.0129 2778816 GAD2 3.8166 0.0008 0.0129 2789187 -3.8158 0.0008 0.0129 2789187 -3.8158 0.0008 0.0129 2790938 KIAA1919 -3.8148 0.0008 0.0129 2773019 -3.8145 0.0008 0.0129 27789562 <td< td=""><td>2766989</td><td>DCUN1D5</td><td>3.8271</td><td>0.0008</td><td>0.0127</td></td<>	2766989	DCUN1D5	3.8271	0.0008	0.0127
2762070 CORO1C 3.8260 0.0008 0.0127 2777965 DDX3X 3.8253 0.0008 0.0127 2772210 SEC61A1 3.8208 0.0008 0.0129 2770022 3.9104 0.0007 0.0116 2776438 CAMK2A -3.8197 0.0008 0.0129 2799583 TCP11L2 -3.8194 0.0008 0.0129 2771736 CTCF -3.8182 0.0008 0.0129 2788344 H3F3B 3.8175 0.0008 0.0129 2781913 FEZ1 -4.2351 0.0008 0.0129 2778816 GAD2 3.8166 0.0008 0.0129 2778816 GAD2 3.8166 0.0008 0.0129 2789510 PMEPA1 -3.8165 0.0008 0.0129 2789187 -3.8158 0.0008 0.0129 2770807 UBE2D3 3.8153 0.0008 0.0129 2773019 -3.8146 0.0008 0.0129 2771678 PDE4DIP -3.8142 0.0008 0.0129	2766411	JARID2	3.8267	0.0008	0.0127
2777965 DDX3X 3.8253 0.0008 0.0127 2772210 SEC61A1 3.8208 0.0008 0.0129 2770022 3.9104 0.0007 0.0116 2776438 CAMK2A -3.8197 0.0008 0.0129 2799583 TCP11L2 -3.8194 0.0008 0.0129 2771736 CTCF -3.8182 0.0008 0.0129 2798344 H3F3B 3.8175 0.0008 0.0129 2781913 FEZ1 -4.2351 0.0003 0.0073 2786705 IMPAD1 -3.8172 0.0008 0.0129 2778816 GAD2 3.8166 0.0008 0.0129 2789510 PMEPA1 -3.8166 0.0008 0.0129 2789187 -3.8158 0.0008 0.0129 2779807 UBE2D3 3.8153 0.0008 0.0129 2779807 UBE2D3 3.8148 0.0008 0.0129 2773019 -3.8146 0.0008 0.0129 2773019 -3.8145 0.0008 0.0129 2778562 <	2783018	WDR5	-3.8267	0.0008	0.0127
2772210 SEC61A1 3.8208 0.0008 0.0129 2770022 3.9104 0.0007 0.0116 2776438 CAMK2A -3.8197 0.0008 0.0129 2799583 TCP11L2 -3.8194 0.0008 0.0129 2771736 CTCF -3.8182 0.0008 0.0129 2788344 H3F3B 3.8175 0.0008 0.0129 2781913 FEZ1 -4.2351 0.0003 0.0073 2786705 IMPAD1 -3.8172 0.0008 0.0129 2778816 GAD2 3.8166 0.0008 0.0129 2789187 -3.8166 0.0008 0.0129 2789187 -3.8158 0.0008 0.0129 2770807 UBE2D3 3.8153 0.0008 0.0129 2779873019 -3.8148 0.0008 0.0129 2773019 -3.8145 0.0008 0.0129 2789562 BMI1 -3.8139 0.0008 0.0129 2783924 KLF11 -3.9029 0.0007 0.0117 2786451 WASF3	2762070	CORO1C	3.8260	0.0008	0.0127
2770022 3.9104 0.0007 0.0116 2776438 CAMK2A -3.8197 0.0008 0.0129 2799583 TCP11L2 -3.8194 0.0008 0.0129 2771736 CTCF -3.8182 0.0008 0.0129 278344 H3F3B 3.8175 0.0008 0.0129 2781913 FEZ1 -4.2351 0.0003 0.0073 2786705 IMPAD1 -3.8172 0.0008 0.0129 2778816 GAD2 3.8166 0.0008 0.0129 2789510 PMEPA1 -3.8165 0.0008 0.0129 2789187 -3.8158 0.0008 0.0129 2770807 UBE2D3 3.8153 0.0008 0.0129 2799938 KIAA1919 -3.8148 0.0008 0.0129 2773019 -3.8145 0.0008 0.0129 2789562 BMI1 -3.8142 0.0008 0.0129 2783924 KLF11 -3.9029 0.0007 0.0117 2786451 WASF3 -3.8135 0.0008 0.0129 <t< td=""><td>2777965</td><td>DDX3X</td><td>3.8253</td><td>0.0008</td><td>0.0127</td></t<>	2777965	DDX3X	3.8253	0.0008	0.0127
2776438 CAMK2A -3.8197 0.0008 0.0129 2799583 TCP11L2 -3.8194 0.0008 0.0129 2771736 CTCF -3.8182 0.0008 0.0129 2798344 H3F3B 3.8175 0.0008 0.0129 2781913 FEZ1 -4.2351 0.0003 0.0073 2786705 IMPAD1 -3.8172 0.0008 0.0129 2778816 GAD2 3.8166 0.0008 0.0129 2764208 NCOA7 -3.8166 0.0008 0.0129 2789187 -3.8158 0.0008 0.0129 2770807 UBE2D3 3.8153 0.0008 0.0129 2779878 KIAA1919 -3.8148 0.0008 0.0129 2773019 -3.8146 0.0008 0.0129 2771678 PDE4DIP -3.8142 0.0008 0.0129 2783924 KLF11 -3.9029 0.0007 0.0117 2786451 WASF3 -3.8135 0.0008 0.0129 2792707 3.8123 0.0008 0.0130 <td>2772210</td> <td>SEC61A1</td> <td>3.8208</td> <td>0.0008</td> <td>0.0129</td>	2772210	SEC61A1	3.8208	0.0008	0.0129
2799583 TCP11L2 -3.8194 0.0008 0.0129 2771736 CTCF -3.8182 0.0008 0.0129 2798344 H3F3B 3.8175 0.0008 0.0129 2781913 FEZ1 -4.2351 0.0003 0.0073 2786705 IMPAD1 -3.8172 0.0008 0.0129 2778816 GAD2 3.8166 0.0008 0.0129 2764208 NCOA7 -3.8166 0.0008 0.0129 2789510 PMEPA1 -3.8165 0.0008 0.0129 27789787 UBE2D3 3.8153 0.0008 0.0129 2768692 NSBP1 -3.8148 0.0008 0.0129 2773019 -3.8146 0.0008 0.0129 2771678 PDE4DIP -3.8142 0.0008 0.0129 2783924 KLF11 -3.9029 0.0007 0.0117 2786451 WASF3 -3.8135 0.0008 0.0129 2792707 3.8123 0.0008 0.0130	2770022		3.9104	0.0007	0.0116
2771736 CTCF -3.8182 0.0008 0.0129 2798344 H3F3B 3.8175 0.0008 0.0129 2781913 FEZ1 -4.2351 0.0003 0.0073 2786705 IMPAD1 -3.8172 0.0008 0.0129 2778816 GAD2 3.8166 0.0008 0.0129 2764208 NCOA7 -3.8166 0.0008 0.0129 2789510 PMEPA1 -3.8165 0.0008 0.0129 2789187 -3.8158 0.0008 0.0129 2770807 UBE2D3 3.8153 0.0008 0.0129 2768692 NSBP1 -3.8148 0.0008 0.0129 2773019 -3.8146 0.0008 0.0129 2771678 PDE4DIP -3.8142 0.0008 0.0129 2783924 KLF11 -3.9029 0.0007 0.0117 2786451 WASF3 -3.8135 0.0008 0.0129 2792707 3.8123 0.0008 0.0130	2776438	CAMK2A	-3.8197	0.0008	0.0129
2798344 H3F3B 3.8175 0.0008 0.0129 2781913 FEZ1 -4.2351 0.0003 0.0073 2786705 IMPAD1 -3.8172 0.0008 0.0129 2778816 GAD2 3.8166 0.0008 0.0129 2764208 NCOA7 -3.8166 0.0008 0.0129 2789510 PMEPA1 -3.8165 0.0008 0.0129 2789187 -3.8158 0.0008 0.0129 2770807 UBE2D3 3.8153 0.0008 0.0129 2790938 KIAA1919 -3.8148 0.0008 0.0129 2773019 -3.8145 0.0008 0.0129 2771678 PDE4DIP -3.8142 0.0008 0.0129 2783924 KLF11 -3.9029 0.0007 0.0117 2786451 WASF3 -3.8135 0.0008 0.0129 2792707 3.8123 0.0008 0.0130	2799583	TCP11L2	-3.8194	0.0008	0.0129
2781913 FEZ1 -4.2351 0.0003 0.0073 2786705 IMPAD1 -3.8172 0.0008 0.0129 2778816 GAD2 3.8166 0.0008 0.0129 2764208 NCOA7 -3.8166 0.0008 0.0129 2789510 PMEPA1 -3.8165 0.0008 0.0129 2789187 -3.8158 0.0008 0.0129 2770807 UBE2D3 3.8153 0.0008 0.0129 2768692 NSBP1 -3.8148 0.0008 0.0129 27790938 KIAA1919 -3.8146 0.0008 0.0129 2773019 -3.8145 0.0008 0.0129 2771678 PDE4DIP -3.8142 0.0008 0.0129 2783924 KLF11 -3.9029 0.0007 0.0117 2786451 WASF3 -3.8135 0.0008 0.0129 2792707 3.8123 0.0008 0.0130	2771736	CTCF	-3.8182	0.0008	0.0129
2786705 IMPAD1 -3.8172 0.0008 0.0129 2778816 GAD2 3.8166 0.0008 0.0129 2764208 NCOA7 -3.8166 0.0008 0.0129 2789510 PMEPA1 -3.8165 0.0008 0.0129 2789187 -3.8158 0.0008 0.0129 2770807 UBE2D3 3.8153 0.0008 0.0129 2768692 NSBP1 -3.8148 0.0008 0.0129 2790938 KIAA1919 -3.8146 0.0008 0.0129 2773019 -3.8145 0.0008 0.0129 2771678 PDE4DIP -3.8142 0.0008 0.0129 2789562 BMI1 -3.8139 0.0008 0.0129 2786451 WASF3 -3.8135 0.0008 0.0129 2792707 3.8123 0.0008 0.0130	2798344	H3F3B	3.8175	0.0008	0.0129
2778816 GAD2 3.8166 0.0008 0.0129 2764208 NCOA7 -3.8166 0.0008 0.0129 2789510 PMEPA1 -3.8165 0.0008 0.0129 2789187 -3.8158 0.0008 0.0129 2770807 UBE2D3 3.8153 0.0008 0.0129 2768692 NSBP1 -3.8148 0.0008 0.0129 2790938 KIAA1919 -3.8146 0.0008 0.0129 2773019 -3.8145 0.0008 0.0129 2771678 PDE4DIP -3.8142 0.0008 0.0129 2783924 KLF11 -3.9029 0.0007 0.0117 2786451 WASF3 -3.8135 0.0008 0.0129 2792707 3.8123 0.0008 0.0130	2781913	FEZ1	-4.2351	0.0003	0.0073
2764208 NCOA7 -3.8166 0.0008 0.0129 2789510 PMEPA1 -3.8165 0.0008 0.0129 2789187 -3.8158 0.0008 0.0129 2770807 UBE2D3 3.8153 0.0008 0.0129 2768692 NSBP1 -3.8148 0.0008 0.0129 2790938 KIAA1919 -3.8146 0.0008 0.0129 2773019 -3.8145 0.0008 0.0129 2771678 PDE4DIP -3.8142 0.0008 0.0129 2789562 BMI1 -3.8139 0.0008 0.0129 2783924 KLF11 -3.9029 0.0007 0.0117 2786451 WASF3 -3.8135 0.0008 0.0129 2792707 3.8123 0.0008 0.0130	2786705	IMPAD1	-3.8172	0.0008	0.0129
2789510 PMEPA1 -3.8165 0.0008 0.0129 2789187 -3.8158 0.0008 0.0129 2770807 UBE2D3 3.8153 0.0008 0.0129 2768692 NSBP1 -3.8148 0.0008 0.0129 2790938 KIAA1919 -3.8146 0.0008 0.0129 2773019 -3.8145 0.0008 0.0129 2771678 PDE4DIP -3.8142 0.0008 0.0129 2783924 KLF11 -3.9029 0.0007 0.0117 2786451 WASF3 -3.8135 0.0008 0.0129 2792707 3.8123 0.0008 0.0130	2778816	GAD2	3.8166	0.0008	0.0129
2789187 -3.8158 0.0008 0.0129 2770807 UBE2D3 3.8153 0.0008 0.0129 2768692 NSBP1 -3.8148 0.0008 0.0129 2790938 KIAA1919 -3.8146 0.0008 0.0129 2773019 -3.8145 0.0008 0.0129 2771678 PDE4DIP -3.8142 0.0008 0.0129 27839562 BMI1 -3.8139 0.0008 0.0129 2783924 KLF11 -3.9029 0.0007 0.0117 2786451 WASF3 -3.8135 0.0008 0.0129 2792707 3.8123 0.0008 0.0130	2764208	NCOA7	-3.8166	0.0008	0.0129
2770807 UBE2D3 3.8153 0.0008 0.0129 2768692 NSBP1 -3.8148 0.0008 0.0129 2790938 KIAA1919 -3.8146 0.0008 0.0129 2773019 -3.8145 0.0008 0.0129 2771678 PDE4DIP -3.8142 0.0008 0.0129 2789562 BMI1 -3.8139 0.0008 0.0129 2783924 KLF11 -3.9029 0.0007 0.0117 2786451 WASF3 -3.8135 0.0008 0.0129 2792707 3.8123 0.0008 0.0130	2789510	PMEPA1	-3.8165	0.0008	0.0129
2768692 NSBP1 -3.8148 0.0008 0.0129 2790938 KIAA1919 -3.8146 0.0008 0.0129 2773019 -3.8145 0.0008 0.0129 2771678 PDE4DIP -3.8142 0.0008 0.0129 2789562 BMI1 -3.8139 0.0008 0.0129 2783924 KLF11 -3.9029 0.0007 0.0117 2786451 WASF3 -3.8135 0.0008 0.0129 2792707 3.8123 0.0008 0.0130	2789187		-3.8158	0.0008	0.0129
2790938 KIAA1919 -3.8146 0.0008 0.0129 2773019 -3.8145 0.0008 0.0129 2771678 PDE4DIP -3.8142 0.0008 0.0129 2789562 BMI1 -3.8139 0.0008 0.0129 2783924 KLF11 -3.9029 0.0007 0.0117 2786451 WASF3 -3.8135 0.0008 0.0129 2792707 3.8123 0.0008 0.0130	2770807	UBE2D3	3.8153	0.0008	0.0129
2773019 -3.8145 0.0008 0.0129 2771678 PDE4DIP -3.8142 0.0008 0.0129 2789562 BMI1 -3.8139 0.0008 0.0129 2783924 KLF11 -3.9029 0.0007 0.0117 2786451 WASF3 -3.8135 0.0008 0.0129 2792707 3.8123 0.0008 0.0130	2768692	NSBP1	-3.8148	0.0008	0.0129
2771678 PDE4DIP -3.8142 0.0008 0.0129 2789562 BMI1 -3.8139 0.0008 0.0129 2783924 KLF11 -3.9029 0.0007 0.0117 2786451 WASF3 -3.8135 0.0008 0.0129 2792707 3.8123 0.0008 0.0130	2790938	KIAA1919	-3.8146	0.0008	0.0129
2789562 BMI1 -3.8139 0.0008 0.0129 2783924 KLF11 -3.9029 0.0007 0.0117 2786451 WASF3 -3.8135 0.0008 0.0129 2792707 3.8123 0.0008 0.0130	2773019		-3.8145	0.0008	0.0129
2783924 KLF11 -3.9029 0.0007 0.0117 2786451 WASF3 -3.8135 0.0008 0.0129 2792707 3.8123 0.0008 0.0130	2771678	PDE4DIP	-3.8142	0.0008	0.0129
2786451 WASF3 -3.8135 0.0008 0.0129 2792707 3.8123 0.0008 0.0130	2789562	BMI1	-3.8139	0.0008	0.0129
2792707 3.8123 0.0008 0.0130	2783924	KLF11	-3.9029	0.0007	0.0117
	2786451	WASF3	-3.8135	0.0008	0.0129
2775697 TLN2 3.8121 0.0008 0.0130	2792707		3.8123	0.0008	0.0130
	2775697	TLN2	3.8121	0.0008	0.0130

	1 1		D 17.1	1: D.17.1
	gene_symbols	t	P.Value	adj.P.Val
2771567	PCOLCE2	-3.8115	0.0008	0.0130
2784266		3.8110	0.0008	0.0130
2784707	PCSK1	3.8102	0.0008	0.0130
2796745	NKRF	3.8101	0.0008	0.0130
2789645		-3.8099	0.0008	0.0130
2760053	PTCH1	-3.8097	0.0008	0.0130
2786734	PLK2	3.8982	0.0007	0.0118
2793549	PMEPA1	-3.8059	0.0008	0.0131
2799516	C1ORF149	-3.8054	0.0008	0.0131
2758365		-3.8052	0.0008	0.0131
2784975	DNAJB14	-3.8049	0.0008	0.0131
2763042	HS6ST1	3.8037	0.0008	0.0131
2775574	TMEM8B	3.8020	0.0008	0.0132
2790230		-4.1057	0.0004	0.0086
2778564	TMEM5	-3.8001	0.0008	0.0132
2791723	SSB	3.7988	0.0008	0.0132
2758200	TLN2	3.7986	0.0008	0.0132
2770866		3.7985	0.0008	0.0132
2786886	NDUFAF2	-3.7982	0.0008	0.0132
2757750		3.7974	0.0008	0.0133
2781241		-3.8857	0.0007	0.0120
2773244	MIPEP	3.7949	0.0009	0.0133
2787716	FAM109B	-3.7931	0.0009	0.0134
2777650	FAM46A	3.7927	0.0009	0.0134
2783620	RCBTB1	-3.7926	0.0009	0.0134
2766245	XP 002194193.1	-3.7925	0.0009	0.0134
2761600	PHC3	-3.7922	0.0009	0.0134
2760721	KCTD1	-3.7914	0.0009	0.0134
2769117	AP4E1	-3.7912	0.0009	0.0134
2775397	EFHA2	-3.7899	0.0009	0.0134
2762101	PPP2CA	3.7898	0.0009	0.0134
2795540	NCOA7	-3.7882	0.0009	0.0134
2765066	NUP160	-3.7879	0.0009	0.0134
2761604	MRAS	-3.7864	0.0009	0.0135
2788487	SS18L1	-3.7856	0.0009	0.0135
2781827	221021	3.8733	0.0007	0.0122
2759348	ACTC1	3.7837	0.0009	0.0135
2784972	MAGI2	-3.7825	0.0009	0.0136
2764288	OXNAD1	-3.7824	0.0009	0.0136
2782847	POLD3	-3.7817	0.0009	0.0136
2758377	LOC421379	-3.7814	0.0009	0.0136
2781470	CPEB3	-3.7814	0.0009	0.0136
2760783	HS6ST1	3.7791	0.0009	0.0136
2764187	PCNX	3.7787	0.0009	0.0136
2781139	GTLF3B	-3.7785	0.0009	0.0136
2799963	PPP2R2A	-3.7763	0.0009	0.0130 0.0137
2777799	DDX3X	3.7743	0.0009	0.0137 0.0138
2794601	DEGS1	3.7737	0.0009	0.0138
2794001 2797198	DEGOI	-3.7733	0.0009	0.0138
2762108		-3.7733 3.8597	0.0009	0.0138 0.0125
	DDDD1B			
2796559	RPRD1B	-3.7709 3.7704	0.0009 0.0009	0.0138
2761526	UQCRQ	-3.7704	0.0009	0.0139

	gene_symbols	t	P.Value	adj.P.Val
2796119	PM20D1	-3.7681	0.0009	0.0139
2795588	RBBP6	-3.7665	0.0009	0.0140
2768230		-3.7649	0.0009	0.0140
2787185	ZBTB44	-3.8473	0.0008	0.0127
2761780	TMEM135	-3.7607	0.0009	0.0141
2776447	PCSK1	3.7604	0.0009	0.0141
2757259	ARPC1A	3.7587	0.0009	0.0142
2764531	MAFK	3.7575	0.0009	0.0142
2796076	LBH	-4.0538	0.0005	0.0093
2771860	C15ORF40	-3.7564	0.0009	0.0142
2796231	DPF3	-3.7552	0.0009	0.0143
2797251	PTPN5	3.7540	0.0009	0.0143
2763279		3.7539	0.0009	0.0143
2797751	RCCD1	-3.7518	0.0010	0.0144
2762909		-3.7509	0.0010	0.0144
2783698	PDE7B	-3.7506	0.0010	0.0144
2797417	RAB8B	-3.7496	0.0010	0.0144
2761427	PPP3CA	-3.7484	0.0010	0.0145
2760582	DSTN	3.7455	0.0010	0.0145
2781021	PNLDC1	-3.7446	0.0010	0.0146
2757869	RYBP	-3.7432	0.0010	0.0146
2766558	IRF2BP2	3.7426	0.0010	0.0146
2759896	ING2	3.7419	0.0010	0.0146
2772427	FGD4	-3.7411	0.0010	0.0146
2795667	CUGBP2-1	3.7404	0.0010	0.0147
2780015	STARD5	3.7390	0.0010	0.0147
2760893	THAP4	-3.7388	0.0010	0.0147
2796196	CUGBP2-1	3.7382	0.0010	0.0147
2767106	NKRF	3.7379	0.0010	0.0147
2763308	AFF4	3.7375	0.0010	0.0147
2799118	H3F3B	3.7371	0.0010	0.0147
2781759	C7ORF20	-3.7371	0.0010	0.0147
2781026	FAM84A	-3.8209	0.0008	0.0132
2761155	SLC2A3	3.8206	0.0008	0.0132
2780400	DYNC1LI2	-3.7342	0.0010	0.0148
2789355	ROCK2	3.7328	0.0010	0.0148
2792389	PDXK	3.7323	0.0010	0.0148
2792264	LRRN3	-4.0246	0.0005	0.0098
2757297		-3.7315	0.0010	0.0149
2796249		3.7296	0.0010	0.0149
2761858		-4.0200	0.0005	0.0099
2761949	PKIA	-3.7261	0.0010	0.0150
2788177	DUSP11	-3.8104	0.0009	0.0134
2795951	SAAL1	-3.7257	0.0010	0.0150
2758289		3.7251	0.0010	0.0150
2774345	SFRP1	-4.0162	0.0005	0.0099
			0.0010	0.0150
2793638	TNFAIP2	-3.7249	0.0010	0.0100
2793638 2776080	TNFAIP2 CKB	-3.7249 -3.7242	0.0010 0.0010	0.0150 0.0151
2776080	CKB	-3.7242	0.0010	0.0151
2776080 2787972	CKB XP_002188089.1	-3.7242 -3.7240	$0.0010 \\ 0.0010$	$0.0151 \\ 0.0151$

2778588 NONO -3.7206 0.0010 0.015 2769892 NFRKB -3.7203 0.0010 0.015 2788787 C22ORF13 -3.7202 0.0010 0.015 278994 EIF2B3 3.7179 0.0010 0.015 2792906 SLC25A5 3.7156 0.0010 0.015 2792926 SLC25A5 3.7148 0.0010 0.015 2782688 SEC11A 3.7148 0.0010 0.015 2783692 SLC2A3 3.7107 0.0011 0.015 2783692 SLC2A3 3.7107 0.0011 0.015 2766224 SMEK2 3.7104 0.0011 0.015 2763598 3.7089 0.0011 0.015 2773611 PPP1R12A 3.7060 0.0011 0.015 2773913 SOAT1 -3.7089 0.0011 0.015 2773913 SOAT1 -3.7060 0.0011 0.015 278493 TEVA 3.7060 0.0011 0.0		gene_symbols	t	P.Value	adj.P.Val
2769892 NFRKB -3.7203 0.0010 0.015 2788787 C220RF13 -3.7202 0.0010 0.015 2759914 EIF2B3 3.7179 0.0010 0.015 2780683 PTPN5 3.7175 0.0010 0.015 2792906 SLC25A5 3.7156 0.0010 0.015 2772345 AKTIP -3.7148 0.0010 0.015 2782688 SEC11A 3.7148 0.0010 0.015 2782682 SEC1A3 3.7107 0.0011 0.015 2783692 SLC2A3 3.7104 0.0011 0.015 2766224 SMEK2 3.7104 0.0011 0.015 2763598 3.7089 0.0011 0.015 2773611 PPP1R12A 3.7060 0.0011 0.015 2773933 SOAT1 -3.7060 0.0011 0.015 2773931 SOAT1 -3.7020 0.0011 0.015 278090 NUP153 3.7039 0.0011 0	2762431	KPNA4	-3.7208	0.0010	0.0151
2788787 C22ORF13 -3.7202 0.0010 0.015 2789944 EIF2B3 3.7179 0.0010 0.015 2780683 PTPN5 3.7175 0.0010 0.015 2792906 SLC25A5 3.7156 0.0010 0.015 2782688 SEC11A 3.7148 0.0010 0.015 2783692 SLC2A3 3.7107 0.0011 0.015 2783692 SLC2A3 3.7104 0.0011 0.015 276324 SMEK2 3.7049 0.0011 0.015 2763598 3.7089 0.0011 0.015 2794177 BCL7A -3.7089 0.0011 0.015 2773611 PPP1R12A 3.7060 0.0011 0.015 2773913 SOAT1 -3.7060 0.0011 0.015 2773913 SOAT1 -3.7060 0.0011 0.015 2784903 TET2 3.7029 0.0011 0.015 2784903 TET4 3.7029 0.0011 0.015	2778588	NONO	-3.7206	0.0010	0.0151
2759914 EIF2B3 3.7179 0.0010 0.015 2780683 PTPN5 3.7175 0.0010 0.015 2792906 SLC25A5 3.7156 0.0010 0.015 2772345 AKTIP -3.7148 0.0010 0.015 2782688 SEC11A 3.7148 0.0010 0.015 2783692 SLC2A3 3.7107 0.0011 0.015 2766224 SMEK2 3.7104 0.0011 0.015 2763598 3.7089 0.0011 0.015 2794177 BCL7A -3.7089 0.0011 0.015 2773611 PPP1R12A 3.7060 0.0011 0.015 2773913 SOAT1 -3.7060 0.0011 0.015 27784903 TET2 3.7029 0.0011 0.01	2769892	NFRKB	-3.7203	0.0010	0.0151
2780683 PTPN5 3.7175 0.0010 0.015 2792906 SLC25A5 3.7156 0.0010 0.015 2772345 AKTIP -3.7148 0.0010 0.015 2782688 SEC11A 3.7148 0.0010 0.015 2785757 VMA21 -3.7110 0.0011 0.015 2783692 SLC2A3 3.7107 0.0011 0.015 27662524 SMEK2 3.7089 0.0011 0.015 2763598 3.7089 0.0011 0.015 2794177 BCL7A -3.7089 0.0011 0.015 2773611 PPP1R12A 3.7060 0.0011 0.015 2773913 SOAT1 -3.7060 0.0011 0.015 2772977 SYT4 3.7060 0.0011 0.015 2773931 SOAT1 -3.7060 0.0011 0.015 2779297 SYT4 3.7020 0.0011 0.015 27768198 GTPBP2 3.7029 0.0011 0.015	2788787	C22ORF13	-3.7202	0.0010	0.0151
2792906 SLC25A5 3.7156 0.0010 0.015 2772345 AKTIP -3.7148 0.0010 0.015 2782688 SEC11A 3.7148 0.0010 0.015 2795757 VMA21 -3.7110 0.0011 0.015 2783692 SLC2A3 3.7107 0.0011 0.015 2766224 SMEK2 3.7104 0.0011 0.015 2763598 3.7089 0.0011 0.015 2773611 PPP1R12A 3.7089 0.0011 0.015 2773117 BCL7A -3.7089 0.0011 0.015 2773913 SOAT1 -3.7060 0.0011 0.015 2773913 SOAT1 -3.7060 0.0011 0.015 2784903 TET2 3.7029 0.0011 0.015 2784903 TET2 3.7029 0.0011 0.015 2768198 GTPBP2 -3.7026 0.0011 0.015 2768198 GTPBP2 -3.7026 0.0011 0.01	2759914	EIF2B3	3.7179	0.0010	0.0152
2772345 AKTIP -3.7148 0.0010 0.015 2782688 SEC11A 3.7148 0.0010 0.015 2795757 VMA21 -3.7110 0.0011 0.015 2783692 SLC2A3 3.7107 0.0011 0.015 2766224 SMEK2 3.7104 0.0011 0.015 2763598 3.7089 0.0011 0.015 2794177 BCL7A -3.7089 0.0011 0.015 2773913 SOAT1 -3.7060 0.0011 0.015 2773913 SOAT1 -3.7060 0.0011 0.015 27792977 SYT4 3.7060 0.0011 0.015 2770900 NUP153 3.7039 0.0011 0.015 2779132 CHUK -3.7026 0.0011 0.015 2768198 GTPBP2 -3.7026 0.0011 0.015 2766818 CTPBT -3.7021 0.0011 0.015 27658198 CRPBP2 -3.6026 0.0011 0.01	2780683	PTPN5	3.7175	0.0010	0.0152
2782688 SEC11A 3.7148 0.0010 0.015 2795757 VMA21 -3.7110 0.0011 0.015 2783692 SLC2A3 3.7107 0.0011 0.015 2766224 SMEK2 3.7104 0.0011 0.015 2763598 3.7089 0.0011 0.015 2794177 BCL7A -3.7089 0.0011 0.015 2773611 PPP1R12A 3.7060 0.0011 0.015 2773913 SOAT1 -3.7060 0.0011 0.015 27792977 SYT4 3.7060 0.0011 0.015 27792977 SYT4 3.7060 0.0011 0.015 27792977 SYT4 3.7060 0.0011 0.015 2784903 TET2 3.7029 0.0011 0.015 2777132 CHUK -3.7026 0.0011 0.015 2766198 GTPBP2 -3.7026 0.0011 0.015 2765178 RBICC1 -3.7021 0.0011 0.015 </td <td>2792906</td> <td>SLC25A5</td> <td>3.7156</td> <td>0.0010</td> <td>0.0153</td>	2792906	SLC25A5	3.7156	0.0010	0.0153
2795757 VMA21 -3.7110 0.0011 0.015 2783692 SLC2A3 3.7107 0.0011 0.015 2763598 3.7089 0.0011 0.015 2794177 BCL7A -3.7089 0.0011 0.015 2773611 PPP1R12A 3.7060 0.0011 0.015 2773913 SOAT1 -3.7060 0.0011 0.015 2779090 NUP153 3.7060 0.0011 0.015 2777090 NUP153 3.7039 0.0011 0.015 2777132 CHUK -3.7026 0.0011 0.015 2786981 GTBBP2 -3.7026 0.0011 0.015 2785784 RBICC1 -3.7021 0.0011 0.015 2785784 RBICC1 -3.7021 0.0011 0.015 2785784 RBICC1 -3.7021 0.0011 0.015 2772338 XRN1 3.7007 0.0011 0.015 2789523 ZBED4 3.6954 0.0011 0.	2772345	AKTIP	-3.7148	0.0010	0.0153
2783692 SLC2A3 3.7107 0.0011 0.015 2766224 SMEK2 3.7104 0.0011 0.015 2763598 3.7089 0.0011 0.015 2773417 BCL7A -3.7089 0.0011 0.015 2773611 PPPIR12A 3.7060 0.0011 0.015 2773913 SOAT1 -3.7060 0.0011 0.015 27709090 NUP153 3.7060 0.0011 0.015 2784903 TET2 3.7029 0.0011 0.015 2778132 CHUK -3.7026 0.0011 0.015 2768198 GTPBP2 -3.7026 0.0011 0.015 2768198 GTPBP2 -3.7026 0.0011 0.015 2766081 PTPRT -3.7023 0.0011 0.015 2765458 KRB1CC1 -3.7021 0.0011 0.015 2767457 SFPQ 3.6975 0.0011 0.015 2793523 ZBED4 3.6954 0.0011 0.01	2782688	SEC11A	3.7148	0.0010	0.0153
2766224 SMEK2 3.7104 0.0011 0.015 2763598 3.7089 0.0011 0.015 2794177 BCL7A -3.7089 0.0011 0.015 2773611 PPP1R12A 3.7060 0.0011 0.015 2773913 SOAT1 -3.7060 0.0011 0.015 2770090 NUP153 3.7039 0.0011 0.015 2774939 TET2 3.7029 0.0011 0.015 2776132 CHUK -3.7026 0.0011 0.015 2768198 GTPBP2 -3.7026 0.0011 0.015 2766081 PTPRT -3.7023 0.0011 0.015 2785784 RBICC1 -3.7021 0.0011 0.015 2772338 XRN1 3.7007 0.0011 0.015 2772338 XRN1 3.6975 0.0011 0.015 2795732 ZBED4 3.6934 0.0011 0.015 2757132 ZBED4 3.6926 0.0011 0.015	2795757	VMA21	-3.7110	0.0011	0.0154
2763598 3.7089 0.0011 0.015 2794177 BCL7A -3.7089 0.0011 0.015 2773611 PPPR12A 3.7060 0.0011 0.015 2773913 SOAT1 -3.7060 0.0011 0.015 2770090 NUP153 3.7039 0.0011 0.015 2784903 TET2 3.7029 0.0011 0.015 27858198 GTPBP2 -3.7026 0.0011 0.015 2785784 RB1CC1 -3.7021 0.0011 0.015 2785784 RB1CC1 -3.7021 0.0011 0.015 2766081 PTPRT -3.7021 0.0011 0.015 2767457 SFPQ 3.6975 0.0011 0.015 2767457 SFPQ 3.6954 0.0011 0.015 2757132 3.6924 3.6911 0.015 2771254 SMAD7 3.6926 0.0011 0.015 2775132 3.6927 0.0011 0.015 27765602 <td>2783692</td> <td>SLC2A3</td> <td>3.7107</td> <td>0.0011</td> <td>0.0154</td>	2783692	SLC2A3	3.7107	0.0011	0.0154
2794177 BCL7A -3.7089 0.0011 0.015 2773611 PPP1R12A 3.7060 0.0011 0.015 2773913 SOAT1 -3.7060 0.0011 0.015 2792977 SYT4 3.7060 0.0011 0.015 2770090 NUP153 3.7039 0.0011 0.015 2784903 TET2 3.7029 0.0011 0.015 2784903 TET2 3.7026 0.0011 0.015 2768198 GTPBP2 -3.7026 0.0011 0.015 2766081 PTPRT -3.7023 0.0011 0.015 2766487 RB1CC1 -3.7021 0.0011 0.015 2767457 SFPQ 3.6975 0.0011 0.015 2767457 SFPQ 3.6935 0.0011 0.015 2779352 ZBED4 3.6931 0.0011 0.015 2775132 3.6924 3.6911 0.015 2757132 3.6925 0.0011 0.015	2766224	SMEK2	3.7104	0.0011	0.0154
2773611 PPP1R12A 3.7060 0.0011 0.015 2773913 SOAT1 -3.7060 0.0011 0.015 2792977 SYT4 3.7060 0.0011 0.015 2770090 NUP153 3.7039 0.0011 0.015 2784903 TET2 3.7029 0.0011 0.015 2777132 CHUK -3.7026 0.0011 0.015 2768198 GTPBP2 -3.7026 0.0011 0.015 2766081 PTPRT -3.7021 0.0011 0.015 2785784 RB1CC1 -3.7021 0.0011 0.015 2767457 SFPQ 3.6975 0.0011 0.015 2795523 ZBED4 3.6954 0.0011 0.015 2771687 TMEM229B -3.6931 0.0011 0.015 2757132 3.6927 0.0011 0.015 2758137 -3.6936 0.0011 0.015 2758137 -3.68895 0.0011 0.016 27993144	2763598		3.7089	0.0011	0.0155
2773913 SOAT1 -3.7060 0.0011 0.015 2792977 SYT4 3.7060 0.0011 0.015 2770090 NUP153 3.7039 0.0011 0.015 2784903 TET2 3.7029 0.0011 0.015 2777132 CHUK -3.7026 0.0011 0.015 2768198 GTPBP2 -3.7026 0.0011 0.015 2768198 GTPBP2 -3.7023 0.0011 0.015 2766081 PTPRT -3.7021 0.0011 0.015 2785784 RB1CC1 -3.7021 0.0011 0.015 2772338 XRN1 3.7007 0.0011 0.015 2765457 SFPQ 3.6975 0.0011 0.015 2799523 ZBED4 3.6931 0.0011 0.015 2771367 TMEM229B -3.6931 0.0011 0.015 2757132 3.6927 0.0011 0.015 2776562 CEP57 3.6925 0.0011 0.016 <td>2794177</td> <td>BCL7A</td> <td>-3.7089</td> <td>0.0011</td> <td>0.0155</td>	2794177	BCL7A	-3.7089	0.0011	0.0155
2792977 SYT4 3.7060 0.0011 0.015 2770090 NUP153 3.7039 0.0011 0.015 2784903 TET2 3.7029 0.0011 0.015 2768198 GTPBP2 -3.7026 0.0011 0.015 2768198 GTPBP2 -3.7026 0.0011 0.015 2788784 RBICC1 -3.7021 0.0011 0.015 2785784 RBICC1 -3.7021 0.0011 0.015 2767457 SFPQ 3.6975 0.0011 0.015 2799523 ZBED4 3.6954 0.0011 0.015 279132 3.6924 3.6954 0.0011 0.015 275132 3.6927 0.0011 0.015 2757132 3.6926 0.0011 0.015 2757132 3.6926 0.0011 0.015 2755133 -3.6925 0.0011 0.015 2755137 3.6926 0.0011 0.016 2795134 3.6879 0.0011	2773611	PPP1R12A	3.7060	0.0011	0.0155
2770090 NUP153 3.7039 0.0011 0.015 2784903 TET2 3.7029 0.0011 0.015 2777132 CHUK -3.7026 0.0011 0.015 2768198 GTPBP2 -3.7026 0.0011 0.015 2768198 GTPBP2 -3.7023 0.0011 0.015 2785784 RB1CC1 -3.7021 0.0011 0.015 2767457 SFPQ 3.6975 0.0011 0.015 2799523 ZBED4 3.6954 0.0011 0.015 2799523 ZBED4 3.6954 0.0011 0.015 2791687 TMEM229B -3.6931 0.0011 0.015 2757132 3.6927 0.0011 0.015 2757133 3.6926 0.0011 0.015 2758137 3.6926 0.0011 0.015 2758137 3.6895 0.0011 0.016 2799703 CD2 3.6887 0.0011 0.016 2779035 MAF	2773913	SOAT1	-3.7060	0.0011	0.0155
2784903 TET2 3.7029 0.0011 0.015 2777132 CHUK -3.7026 0.0011 0.015 2768198 GTPBP2 -3.7026 0.0011 0.015 2766081 PTPRT -3.7023 0.0011 0.015 2785784 RB1CC1 -3.7021 0.0011 0.015 2772338 XRN1 3.7007 0.0011 0.015 276457 SFPQ 3.6975 0.0011 0.015 2799523 ZBED4 3.6954 0.0011 0.015 2771687 TMEM229B -3.6931 0.0011 0.015 2757132 3.6927 0.0011 0.015 2765602 CEP57 3.6925 0.0011 0.015 2755137 -3.6895 0.0011 0.016 2799144 3.6892 0.0011 0.016 2799703 CD2 3.6887 0.0011 0.016 279055 MAF 3.6879 0.0011 0.016 2766917	2792977	SYT4	3.7060	0.0011	0.0155
2777132 CHUK -3.7026 0.0011 0.015 2768198 GTPBP2 -3.7026 0.0011 0.015 2766081 PTPRT -3.7023 0.0011 0.015 2785784 RB1CC1 -3.7021 0.0011 0.015 2772338 XRN1 3.7007 0.0011 0.015 2767457 SFPQ 3.6975 0.0011 0.015 2799523 ZBED4 3.6954 0.0011 0.015 2771687 TMEM229B -3.6931 0.0011 0.015 2757132 3.6927 0.0011 0.015 2765602 CEP57 3.6925 0.0011 0.015 2758137 -3.6895 0.0011 0.016 2799144 3.6892 0.0011 0.016 2799703 CD2 3.6887 0.0011 0.016 2766815 TLK1 -3.6876 0.0011 0.016 2765917 AKAP7 -3.9718 0.0006 0.010 2786171	2770090	NUP153	3.7039	0.0011	0.0156
2768198 GTPBP2 -3.7026 0.0011 0.015 2766081 PTPRT -3.7023 0.0011 0.015 2785784 RB1CC1 -3.7021 0.0011 0.015 2772338 XRN1 3.7007 0.0011 0.015 2767457 SFPQ 3.6975 0.0011 0.015 2799523 ZBED4 3.6954 0.0011 0.015 2771687 TMEM229B -3.6931 0.0011 0.015 2757132 3.6927 0.0011 0.015 2772454 SMAD7 3.6926 0.0011 0.015 2765602 CEP57 3.6925 0.0011 0.016 2799144 3.6892 0.0011 0.016 2799703 CD2 3.6887 0.0011 0.016 27903144 3.6892 0.0011 0.016 2790389 H3F3B 3.6875 0.0011 0.016 2790389 H3F3B 3.6875 0.0011 0.016 2786171 UBE2A 3.6866 0.0011 0.016 2799588 R	2784903	TET2	3.7029	0.0011	0.0156
2766081 PTPRT -3.7023 0.0011 0.015 2785784 RB1CC1 -3.7021 0.0011 0.015 2772338 XRN1 3.7007 0.0011 0.015 2767457 SFPQ 3.6975 0.0011 0.015 2799523 ZBED4 3.6954 0.0011 0.015 2771687 TMEM229B -3.6931 0.0011 0.015 2757132 3.6927 0.0011 0.015 2772454 SMAD7 3.6926 0.0011 0.015 2765602 CEP57 3.6925 0.0011 0.016 2793144 3.6892 0.0011 0.016 2799703 CD2 3.6887 0.0011 0.016 279055 MAF 3.6879 0.0011 0.016 2790389 H3F3B 3.6875 0.0011 0.016 276517 AKAP7 -3.9718 0.0006 0.010 2786171 UBE2A 3.6866 0.0011 0.016 279588 RPS6KC1 -3.6830 0.0011 0.016 276610<	2777132	CHUK	-3.7026	0.0011	0.0156
2785784 RB1CC1 -3.7021 0.0011 0.015 2772338 XRN1 3.7007 0.0011 0.015 2767457 SFPQ 3.6975 0.0011 0.015 2799523 ZBED4 3.6954 0.0011 0.015 2771687 TMEM229B -3.6931 0.0011 0.015 2757132 3.6927 0.0011 0.015 2765602 CEP57 3.6926 0.0011 0.015 2758137 -3.6895 0.0011 0.016 2793144 3.6892 0.0011 0.016 2799703 CD2 3.6887 0.0011 0.016 2766815 TLK1 -3.6876 0.0011 0.016 2765917 AKAP7 -3.9718 0.0006 0.010 2786171 UBE2A 3.6866 0.0011 0.016 2799588 RPS6KC1 -3.6830 0.0011 0.016 2764631 HMG20A -3.6828 0.0011 0.016 2789293 -3.6810 0.0011 0.016 2789582 PCMT1 <	2768198	GTPBP2	-3.7026	0.0011	0.0156
2772338 XRN1 3.7007 0.0011 0.015 2767457 SFPQ 3.6975 0.0011 0.015 2799523 ZBED4 3.6954 0.0011 0.015 2771687 TMEM229B -3.6931 0.0011 0.015 2757132 3.6927 0.0011 0.015 2772454 SMAD7 3.6926 0.0011 0.015 2765602 CEP57 3.6925 0.0011 0.016 2793144 3.6892 0.0011 0.016 2799703 CD2 3.6887 0.0011 0.016 2790555 MAF 3.6879 0.0011 0.016 2760815 TLK1 -3.6876 0.0011 0.016 2765917 AKAP7 -3.9718 0.0006 0.010 2786171 UBE2A 3.6866 0.0011 0.016 2769588 RPS6KC1 -3.6830 0.0011 0.016 2764631 HMG20A -3.6828 0.0011 0.016 2789293 -3.6810 0.0011 0.016 2790862 PC	2766081	PTPRT	-3.7023	0.0011	0.0156
2767457 SFPQ 3.6975 0.0011 0.015 2799523 ZBED4 3.6954 0.0011 0.015 2771687 TMEM229B -3.6931 0.0011 0.015 2757132 3.6927 0.0011 0.015 2772454 SMAD7 3.6926 0.0011 0.015 2765602 CEP57 3.6925 0.0011 0.015 2758137 -3.6895 0.0011 0.016 2793144 3.6892 0.0011 0.016 2799703 CD2 3.6887 0.0011 0.016 2770055 MAF 3.6879 0.0011 0.016 2790389 H3F3B 3.6876 0.0011 0.016 2765917 AKAP7 -3.9718 0.0006 0.010 2786171 UBE2A 3.6866 0.0011 0.016 2799588 RPS6KC1 -3.6830 0.0011 0.016 2764631 HMG20A -3.6828 0.0011 0.016 2789832 -3.7639 0.0010 0.014 2779293 -3.6810 <t< td=""><td>2785784</td><td>RB1CC1</td><td></td><td>0.0011</td><td>0.0156</td></t<>	2785784	RB1CC1		0.0011	0.0156
2799523 ZBED4 3.6954 0.0011 0.015 2771687 TMEM229B -3.6931 0.0011 0.015 2757132 3.6927 0.0011 0.015 2772454 SMAD7 3.6926 0.0011 0.015 2765602 CEP57 3.6895 0.0011 0.016 2758137 -3.6895 0.0011 0.016 2793144 3.6892 0.0011 0.016 2799703 CD2 3.6887 0.0011 0.016 2770055 MAF 3.6879 0.0011 0.016 2790389 H3F3B 3.6876 0.0011 0.016 2790389 H3F3B 3.6875 0.0011 0.016 2786171 UBE2A 3.6866 0.0011 0.016 2799588 RPS6KC1 -3.6830 0.0011 0.016 276610 -3.6833 0.0011 0.016 2764631 HMG20A -3.6828 0.0011 0.016 2790862 PCMT1 -3.6798 0.0011 0.016 2782508 RCAN2	2772338	XRN1	3.7007	0.0011	0.0156
2799523 ZBED4 3.6954 0.0011 0.015 2771687 TMEM229B -3.6931 0.0011 0.015 2757132 3.6927 0.0011 0.015 2772454 SMAD7 3.6926 0.0011 0.015 2765602 CEP57 3.6925 0.0011 0.016 2758137 -3.6895 0.0011 0.016 2799703 CD2 3.6887 0.0011 0.016 27907055 MAF 3.6879 0.0011 0.016 2790389 H3F3B 3.6876 0.0011 0.016 2790389 H3F3B 3.6875 0.0011 0.016 2786171 UBE2A 3.6866 0.0011 0.016 2789588 RPS6KC1 -3.6860 0.0011 0.016 2766610 -3.6833 0.0011 0.016 2780832 -3.7639 0.0010 0.014 2779293 -3.6810 0.0011 0.016 2782508 RCAN2 3.6792 0.0011 0.016 2784174 ZNF462 -3.7580	2767457	SFPQ	3.6975	0.0011	0.0157
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2799523		3.6954	0.0011	0.0158
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2771687	TMEM229B	-3.6931	0.0011	0.0159
2765602 CEP57 3.6925 0.0011 0.015 2758137 -3.6895 0.0011 0.016 2793144 3.6892 0.0011 0.016 2799703 CD2 3.6887 0.0011 0.016 2760815 MAF 3.6879 0.0011 0.016 2790389 H3F3B 3.6875 0.0011 0.016 2765917 AKAP7 -3.9718 0.0006 0.010 2786171 UBE2A 3.6866 0.0011 0.016 2799588 RPS6KC1 -3.6830 0.0011 0.016 2766610 -3.6833 0.0011 0.016 2763138 TBC1D15 -3.6830 0.0011 0.016 2780832 -3.7639 0.0010 0.014 2790862 PCMT1 -3.6798 0.0011 0.016 279293 -3.6810 0.0011 0.016 2796452 SLTM 3.6765 0.0012 0.016 2784174 ZNF462 -3.7580 0.0010 0.014 2772403 KCNC1 -3.6760 <	2757132		3.6927	0.0011	0.0159
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2772454	SMAD7	3.6926	0.0011	0.0159
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2765602	CEP57	3.6925	0.0011	0.0159
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2758137		-3.6895	0.0011	0.0160
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2793144		3.6892	0.0011	0.0160
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2799703	CD2	3.6887	0.0011	0.0160
2790389 H3F3B 3.6875 0.0011 0.016 2765917 AKAP7 -3.9718 0.0006 0.010 2786171 UBE2A 3.6866 0.0011 0.016 2799588 RPS6KC1 -3.6860 0.0011 0.016 2766610 -3.6833 0.0011 0.016 2763138 TBC1D15 -3.6830 0.0011 0.016 2764631 HMG20A -3.6828 0.0011 0.016 2780832 -3.7639 0.0010 0.014 2779293 -3.6810 0.0011 0.016 2790862 PCMT1 -3.6798 0.0011 0.016 2782508 RCAN2 3.6792 0.0011 0.016 2796452 SLTM 3.6765 0.0012 0.016 2784174 ZNF462 -3.7580 0.0010 0.014 2772403 KCNC1 -3.6760 0.0012 0.016	2770055	MAF	3.6879	0.0011	0.0160
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2766815	TLK1	-3.6876	0.0011	0.0160
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2790389	H3F3B	3.6875	0.0011	0.0160
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2765917	AKAP7	-3.9718	0.0006	0.0106
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2786171	UBE2A	3.6866	0.0011	0.0160
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2799588	RPS6KC1	-3.6860	0.0011	0.0160
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2766610		-3.6833	0.0011	0.0161
2780832 -3.7639 0.0010 0.014 2779293 -3.6810 0.0011 0.016 2790862 PCMT1 -3.6798 0.0011 0.016 2782508 RCAN2 3.6792 0.0011 0.016 2796452 SLTM 3.6765 0.0012 0.016 2784174 ZNF462 -3.7580 0.0010 0.014 2772403 KCNC1 -3.6760 0.0012 0.016	2763138	TBC1D15	-3.6830	0.0011	0.0161
2779293 -3.6810 0.0011 0.016 2790862 PCMT1 -3.6798 0.0011 0.016 2782508 RCAN2 3.6792 0.0011 0.016 2796452 SLTM 3.6765 0.0012 0.016 2784174 ZNF462 -3.7580 0.0010 0.014 2772403 KCNC1 -3.6760 0.0012 0.016	2764631	HMG20A	-3.6828	0.0011	0.0161
2790862 PCMT1 -3.6798 0.0011 0.016 2782508 RCAN2 3.6792 0.0011 0.016 2796452 SLTM 3.6765 0.0012 0.016 2784174 ZNF462 -3.7580 0.0010 0.014 2772403 KCNC1 -3.6760 0.0012 0.016	2780832		-3.7639	0.0010	0.0146
2782508 RCAN2 3.6792 0.0011 0.016 2796452 SLTM 3.6765 0.0012 0.016 2784174 ZNF462 -3.7580 0.0010 0.014 2772403 KCNC1 -3.6760 0.0012 0.016	2779293		-3.6810	0.0011	0.0162
2796452 SLTM 3.6765 0.0012 0.016 2784174 ZNF462 -3.7580 0.0010 0.014 2772403 KCNC1 -3.6760 0.0012 0.016	2790862	PCMT1	-3.6798	0.0011	0.0162
2784174 ZNF462 -3.7580 0.0010 0.014 2772403 KCNC1 -3.6760 0.0012 0.016	2782508	RCAN2	3.6792	0.0011	0.0163
2772403 KCNC1 -3.6760 0.0012 0.016	2796452	SLTM	3.6765	0.0012	0.0163
	2784174	ZNF462	-3.7580	0.0010	0.0147
2762675 3.7572 0.0010 0.014	2772403	KCNC1	-3.6760	0.0012	0.0164
5.151 <u></u>	2762675		3.7572	0.0010	0.0147
2774375 FAM44B -3.9584 0.0006 0.010	2774375	FAM44B	-3.9584	0.0006	0.0108
2774468 PIGU 3.6732 0.0012 0.016	2774468	PIGU	3.6732	0.0012	0.0164

2772733 3.6703 0.0012 0.0165 2763182 3.6701 0.0012 0.0165 2772966 CUGBP2-1 3.6700 0.0012 0.0165 2774726 CUGBP2-1 3.6700 0.0012 0.0165 2774712 TSR1 3.6674 0.0012 0.0165 2794712 TSR1 3.6674 0.0012 0.0166 2784979 RIMS2 -3.6667 0.0012 0.0166 2785037 CPEB3 -3.6662 0.0012 0.0166 2771009 BAIAP2 3.6653 0.0012 0.0167 2769204 KBTBD11 3.6627 0.0012 0.0167 2767242 C160RF62 -3.6615 0.0012 0.0167 2767242 C16ORF62 -3.6615 0.0012 0.0167 276721 TAF4 -3.6606 0.0012 0.0167 2757433 SOX4 -3.6606 0.0012 0.0168 2785106 FAB -3.6503 0.0012 0.0168	-	gene_symbols	t	P.Value	adj.P.Val
2763188 3.6701 0.0012 0.0165 27772966 CUGBP2-1 3.6700 0.0012 0.0165 2774586 ZC3H6 -3.6699 0.0012 0.0165 2794712 TSR1 3.6674 0.0012 0.0166 2764679 PITPNMI 3.6671 0.0012 0.0166 2784979 RIMS2 -3.6667 0.0012 0.0166 2786037 CPEB3 -3.6662 0.0012 0.0166 2771510 TNRC18 -3.6653 0.0012 0.0167 2769104 KBTBD11 3.6642 0.0012 0.0167 2769204 KBTBD11 3.66612 0.0012 0.0167 2768433 CCT8 3.6613 0.0012 0.0167 276871 TAF4 -3.6606 0.0012 0.0167 2783016 CKB -3.6606 0.0012 0.0167 2783178 TOMM7 -3.9400 0.006 0.0111 2792143 RCJMB04_3A6 -3.6574 0.0012 <td>2772733</td> <td></td> <td>3.6703</td> <td>0.0012</td> <td>0.0165</td>	2772733		3.6703	0.0012	0.0165
2772096 CUGBP2-1 3.6700 0.0012 0.0165 27747856 ZC3H6 -3.6699 0.0012 0.0165 2794712 TSR1 3.6674 0.0012 0.0166 2764679 PITPNMI 3.6671 0.0012 0.0166 2786037 CPEB3 -3.6662 0.0012 0.0166 2771510 TNRC18 -3.6663 0.0012 0.0166 2771009 BAIAP2 3.6642 0.0012 0.0167 2769204 KBTBD11 3.6627 0.0012 0.0167 2768433 CCT8 3.6613 0.0012 0.0167 2768433 CCT8 3.6613 0.0012 0.0167 2766721 TAF4 -3.6606 0.0012 0.0167 2783016 CKB -3.6606 0.0012 0.0168 2785433 SOX4 -3.6606 0.0012 0.0168 27851748 TOMM7 -3.9400 0.0006 0.011 279543 SOX4 -3.6576	2768312	YTHDF3	3.6702	0.0012	0.0165
2774586 ZC3H6 -3.6699 0.0012 0.0165 2794712 TSR1 3.6674 0.0012 0.0166 2764679 PITPNM1 3.6671 0.0012 0.0166 2784979 RIMS2 -3.6667 0.0012 0.0166 2786037 CPEB3 -3.6662 0.0012 0.0166 2771100 BAIAP2 3.6642 0.0012 0.0167 2769204 KBTBD11 3.6627 0.0012 0.0167 2768433 CCT8 3.6613 0.0012 0.0167 2766721 TAF4 -3.6606 0.0012 0.0167 2783016 CKB -3.6606 0.0012 0.0167 2783178 TOMM7 -3.9400 0.0006 0.0111 2790965 PBP -3.6530 0.0012 0.0168 2788569 FAM120A 3.6576 0.0012 0.0168 2789413 RCJMB04_3A6 -3.6574 0.0012 0.0168 2776844 TMEM120B 3.6561	2763188		3.6701	0.0012	0.0165
2794712 TSR1 3.6674 0.0012 0.0166 2764679 PITPNM1 3.6671 0.0012 0.0166 2784979 RIMS2 -3.6667 0.0012 0.0166 2786037 CPEB3 -3.6662 0.0012 0.0166 2771510 TNRC18 -3.6653 0.0012 0.0166 2771009 BAIAP2 3.6642 0.0012 0.0167 2769204 KBTBD11 3.6627 0.0012 0.0167 2768433 CCT8 3.6613 0.0012 0.0167 2766721 TAF4 -3.6606 0.0012 0.0167 2783016 CKB -3.6606 0.0012 0.0168 2787178 TOMM7 -3.9400 0.006 0.0111 2790965 PBP -3.6593 0.0012 0.0168 2782143 RCJMBO4_3A6 -3.6574 0.0012 0.0168 278564 TMEM120B 3.6561 0.0012 0.0168 2776824 TNRC6C -3.6488	2772096	CUGBP2-1	3.6700	0.0012	0.0165
2764679 PITPNMI 3.66671 0.0012 0.0166 2784979 RIMS2 -3.6667 0.0012 0.0166 2786037 CPEB3 -3.6662 0.0012 0.0166 2771510 TNRC18 -3.6653 0.0012 0.0167 2769204 KBTBD11 3.6627 0.0012 0.0167 2768433 CCT8 3.6613 0.0012 0.0167 2766721 TAF4 -3.6606 0.0012 0.0167 2783016 CKB -3.6606 0.0012 0.0167 27857433 SOX4 -3.6602 0.0012 0.0168 27857433 SOX4 -3.6602 0.0012 0.0168 27857433 SOX4 -3.6602 0.0012 0.0168 27857433 SOX4 -3.6606 0.0012 0.0168 2785743 TOMM7 -3.9400 0.0006 0.0111 278564 TOMM7 -3.9400 0.0012 0.0168 2785659 FAMI20A 3.6574	2774586	ZC3H6	-3.6699	0.0012	0.0165
2784979 RIMS2 -3.6667 0.0012 0.0166 2786037 CPEB3 -3.6662 0.0012 0.0166 2771101 TNRC18 -3.6663 0.0012 0.0166 2771009 BAIAP2 3.6642 0.0012 0.0167 2769204 KBTBD11 3.6627 0.0012 0.0167 2768433 CCT8 3.6613 0.0012 0.0167 2766721 TAF4 -3.6606 0.0012 0.0167 2783016 CKB -3.6606 0.0012 0.0167 27837178 TOMM7 -3.9400 0.0006 0.0111 2790965 PBP -3.6593 0.0012 0.0168 2783178 TOMM7 -3.9400 0.0006 0.0111 2790965 PBP -3.6593 0.0012 0.0168 278543 RCJMB04_3A6 -3.6574 0.0012 0.0168 278544 TMECIC -3.6548 0.0012 0.0169 2777549 LRRC4C -3.6511	2794712	TSR1	3.6674	0.0012	0.0166
2786037 CPEB3 -3.6662 0.0012 0.0166 2771510 TNRC18 -3.6653 0.0012 0.0166 2771009 BAIAP2 3.6642 0.0012 0.0167 2769204 KBTBD11 3.6627 0.0012 0.0167 2797242 C16ORF62 -3.6615 0.0012 0.0167 2768433 CCT8 3.6613 0.0012 0.0167 2768717 TAF4 -3.6606 0.0012 0.0167 2783016 CKB -3.6606 0.0012 0.0168 2787433 SOX4 -3.6602 0.0012 0.0168 27857433 SOX4 -3.6593 0.0012 0.0168 2788569 FAM120A 3.6576 0.0012 0.0168 2788569 FAM120A 3.6576 0.0012 0.0168 2787549 LRC4C 3.6511 0.0012 0.0169 2777549 LRRC4C 3.6511 0.0012 0.0171 2768544 RPRD1A 3.6498	2764679	PITPNM1	3.6671	0.0012	0.0166
2771510 TNRC18 -3.6653 0.0012 0.0166 2771009 BAIAP2 3.6642 0.0012 0.0167 2769204 KBTBD11 3.6627 0.0012 0.0167 2769242 C16ORF62 -3.6613 0.0012 0.0167 2768433 CCT8 3.6613 0.0012 0.0167 2785016 CKB -3.6606 0.0012 0.0167 27857433 SOX4 -3.6602 0.0012 0.0168 2785178 TOMM7 -3.9400 0.0006 0.0111 2790965 PBP -3.6593 0.0012 0.0168 2788569 FAM120A 3.6576 0.0012 0.0168 2788544 TMEM120B 3.6561 0.0012 0.0168 2776842 TNRC6C -3.6548 0.0012 0.0169 2777549 LRC4C 3.6511 0.0012 0.0171 2768544 TNRC6C -3.6548 0.0012 0.0171 2775549 LRC4C 3.6511	2784979	RIMS2	-3.6667	0.0012	0.0166
2771009 BAIAP2 3.6642 0.0012 0.0167 2769204 KBTBD11 3.6627 0.0012 0.0167 2797242 C160RF62 -3.6615 0.0012 0.0167 2766721 TAF4 -3.6606 0.0012 0.0167 2783016 CKB -3.6606 0.0012 0.0167 2787178 TOMM7 -3.9400 0.0006 0.0111 2789965 PBP -3.6593 0.0012 0.0168 2788569 FAM120A 3.6576 0.0012 0.0168 278955 FBP -3.6593 0.0012 0.0168 2789413 RCJMB04 3.6576 0.0012 0.0168 278243 RAMI20A 3.6576 0.0012 0.0168 278544 TMEM120B 3.6561 0.0012 0.0169 2776824 TNRC6C -3.6548 0.0012 0.0171 2768364 RPRD1A 3.6492 0.0012 0.0171 2768364 RPRD1A 3.6489	2786037	CPEB3	-3.6662	0.0012	0.0166
2769204 KBTBD11 3.6627 0.0012 0.0167 2797242 C16ORF62 -3.6615 0.0012 0.0167 2768433 CCT8 3.6613 0.0012 0.0167 2766721 TAF4 -3.6606 0.0012 0.0167 2783016 CKB -3.6606 0.0012 0.0168 2757433 SOX4 -3.6602 0.0012 0.0168 2787178 TOMM7 -3.9400 0.0006 0.0111 2790965 PBP -3.6593 0.0012 0.0168 2788569 FAM120A 3.6576 0.0012 0.0168 2788569 FAM120A 3.6574 0.0012 0.0168 2786864 TMEM120B 3.6561 0.0012 0.0169 2776549 LRRC4C 3.6511 0.0012 0.0171 2768364 RPRD1A 3.6492 0.0012 0.0171 2782134 TBLIXRI 3.6489 0.0012 0.0171 2782134 TBLIXRI -3.6485	2771510	TNRC18	-3.6653	0.0012	0.0166
2797242 C160RF62 -3.6615 0.0012 0.0167 2768433 CCT8 3.6613 0.0012 0.0167 2768721 TAF4 -3.6606 0.0012 0.0167 2783016 CKB -3.6606 0.0012 0.0167 2787178 TOMM7 -3.9400 0.0006 0.0111 2799965 PBP -3.6593 0.0012 0.0168 2788569 FAMI20A 3.6576 0.0012 0.0168 2792143 RCJMB04_3A6 -3.6574 0.0012 0.0168 2796844 TMEC6C -3.6548 0.0012 0.0169 2777549 LRRC4C 3.6511 0.0012 0.0171 2768364 RPRD1A 3.6492 0.0012 0.0171 2768594 CHST1 3.7290 0.0011 0.015 2771564 C100RF118 -3.6489 0.0012 0.0171 2782134 TBLIXRI -3.6489 0.0012 0.0171 2782029 CHRAC1 -3.728	2771009	BAIAP2	3.6642	0.0012	0.0167
2768433 CCT8 3.6613 0.0012 0.0167 2766721 TAF4 -3.6606 0.0012 0.0167 2783016 CKB -3.6606 0.0012 0.0167 2757433 SOX4 -3.6602 0.0012 0.0168 2787178 TOMM7 -3.9400 0.0006 0.0111 2790965 PBP -3.6593 0.0012 0.0168 2788569 FAM120A 3.6576 0.0012 0.0168 2792143 RCJMB04_3A6 -3.6574 0.0012 0.0168 276844 TMEM120B 3.6561 0.0012 0.0169 2777549 LRRC4C 3.6511 0.0012 0.0169 2777549 LRRC4C 3.6511 0.0012 0.0171 2768364 RPRD1A 3.6492 0.0012 0.0171 2768594 CHST1 3.7290 0.0011 0.0155 2771564 C100RF118 -3.6489 0.0012 0.0171 2788134 TBL1XR1 -3.6485 <td>2769204</td> <td>KBTBD11</td> <td>3.6627</td> <td>0.0012</td> <td>0.0167</td>	2769204	KBTBD11	3.6627	0.0012	0.0167
2766721 TAF4 -3.6606 0.0012 0.0167 2783016 CKB -3.6606 0.0012 0.0167 2787173 SOX4 -3.6602 0.0012 0.0168 2787178 TOMM7 -3.9400 0.0006 0.0111 2790965 PBP -3.6593 0.0012 0.0168 2788569 FAM120A 3.6576 0.0012 0.0168 2792143 RCJMB04_3A6 -3.6574 0.0012 0.0169 2768644 TMEM120B 3.6561 0.0012 0.0169 2777549 LRRC4C 3.6511 0.0012 0.0169 2777549 LRRC4C 3.6511 0.0012 0.0171 2768364 RPRD1A 3.6492 0.0012 0.0171 2768364 RPRD1A 3.6492 0.0012 0.0171 2760594 CHST1 3.7290 0.0011 0.0155 2771564 C100RF118 -3.6489 0.0012 0.0171 2782134 TBL1XR1 -3.6476	2797242	C16ORF62	-3.6615	0.0012	0.0167
2783016 CKB -3.6606 0.0012 0.0167 2757433 SOX4 -3.6602 0.0012 0.0168 2787178 TOMM7 -3.9400 0.0006 0.0111 2790965 PBP -3.6593 0.0012 0.0168 2788569 FAM120A -3.6576 0.0012 0.0168 2792143 RCJMB04_3A6 -3.6574 0.0012 0.0168 2768644 TMEM120B 3.6561 0.0012 0.0169 2777549 LRRC4C 3.6511 0.0012 0.0171 2768364 RPRD1A 3.6492 0.0012 0.0171 2760594 CHST1 3.7290 0.0011 0.0155 2771564 C100RF118 -3.6489 0.0012 0.0171 2782134 TBL1XR1 -3.6485 0.0012 0.0171 278204 EXT2 -3.6478 0.0012 0.0171 2788924 EXT2 -3.6476 0.0012 0.0172 278554 TAOK1 -3.6476 </td <td>2768433</td> <td>CCT8</td> <td>3.6613</td> <td>0.0012</td> <td>0.0167</td>	2768433	CCT8	3.6613	0.0012	0.0167
2757433 SOX4 -3.6602 0.0012 0.0168 2787178 TOMM7 -3.9400 0.0006 0.0111 2790965 PBP -3.6593 0.0012 0.0168 2788569 FAM120A 3.6576 0.0012 0.0168 2792143 RCJMB04_3A6 -3.6574 0.0012 0.0169 2768644 TMEM120B 3.6561 0.0012 0.0169 2777549 LRRC4C 3.6511 0.0012 0.0171 2768364 RPRD1A 3.6492 0.0012 0.0171 2760594 CHST1 3.7290 0.0011 0.0155 2771156 C100RF118 -3.6489 0.0012 0.0171 2780214 TBL1XR1 -3.6485 0.0012 0.0171 2778029 CHRAC1 -3.	2766721	TAF4	-3.6606	0.0012	0.0167
2787178 TOMM7 -3.9400 0.0006 0.0111 2790965 PBP -3.6593 0.0012 0.0168 2788569 FAM120A 3.6576 0.0012 0.0168 2792143 RCJMB04_3A6 -3.6574 0.0012 0.0168 2768644 TMEM120B 3.6561 0.0012 0.0169 2777549 LRRC4C -3.6548 0.0012 0.0171 2768364 RPRD1A 3.6492 0.0012 0.0171 2768594 CHST1 3.7290 0.0011 0.0155 2771564 C100RF118 -3.6489 0.0012 0.0171 2782134 TBL1XR1 -3.6485 0.0012 0.0171 2770029 CHRAC1 -3.7282 0.0011 0.0155 2771911 -3.6478 0.0012 0.0171 2788924 EXT2 -3.6476 0.0012 0.0172 2778504 TAOK1 -3.6470 0.0012 0.0172 276871 ZNF622 -3.6467	2783016	CKB	-3.6606	0.0012	0.0167
2790965 PBP -3.6593 0.0012 0.0168 2788569 FAM120A 3.6576 0.0012 0.0168 2792143 RCJMB04_3A6 -3.6574 0.0012 0.0168 276824 TNRC6C -3.6548 0.0012 0.0169 2777549 LRRC4C 3.6511 0.0012 0.0171 2768364 RPRD1A 3.6492 0.0012 0.0171 2768364 RPRD1A 3.6492 0.0012 0.0171 2760594 CHST1 3.7290 0.0011 0.0155 2771564 C10ORF118 -3.6489 0.0012 0.0171 2782134 TBL1XR1 -3.6485 0.0012 0.0171 2770029 CHRAC1 -3.7282 0.0011 0.0155 2771911 -3.6478 0.0012 0.0171 2788924 EXT2 -3.6476 0.0012 0.0172 2761679 FAM117B -3.6467 0.0012 0.0172 27667871 ZNF622 -3.6462 <td< td=""><td>2757433</td><td>SOX4</td><td>-3.6602</td><td>0.0012</td><td>0.0168</td></td<>	2757433	SOX4	-3.6602	0.0012	0.0168
2788569 FAM120A 3.6576 0.0012 0.0168 2792143 RCJMB04_3A6 -3.6574 0.0012 0.0168 2768644 TMEM120B 3.6561 0.0012 0.0169 2776824 TNRC6C -3.6548 0.0012 0.0169 2777549 LRRC4C 3.6511 0.0012 0.0171 2760594 CHST1 3.6492 0.0012 0.0171 2760594 CHST1 3.7290 0.0011 0.0152 2771564 C10ORF118 -3.6489 0.0012 0.0171 2782134 TBLIXR1 -3.6485 0.0012 0.0171 2770029 CHRAC1 -3.7282 0.0011 0.0155 2771911 -3.6478 0.0012 0.0171 2788924 EXT2 -3.6476 0.0012 0.0172 2761679 FAM117B -3.6476 0.0012 0.0172 2767871 ZNF622 -3.6462 0.0012 0.0172 2768342 RUFY2 -3.6452 0.0012 0.0172 278916 PSC22D1 -3.6447 0	2787178	TOMM7	-3.9400	0.0006	0.0111
2792143 RCJMB04_3A6 -3.6574 0.0012 0.0168 2768644 TMEM120B 3.6561 0.0012 0.0169 2776824 TNRC6C -3.6548 0.0012 0.0169 2777549 LRC4C 3.6511 0.0012 0.0171 2760594 CHST1 3.7290 0.0011 0.0155 2771564 C10ORF118 -3.6489 0.0012 0.0171 2782134 TBL1XR1 -3.6485 0.0012 0.0171 2770029 CHRAC1 -3.7282 0.0011 0.0155 2771911 -3.6478 0.0012 0.0171 2788924 EXT2 -3.6476 0.0012 0.0171 2788924 EXT2 -3.6476 0.0012 0.0172 2761679 FAM117B -3.6467 0.0012 0.0172 2767871 ZNF622 -3.6462 0.0012 0.0172 2759646 PPP2R5C 3.6461 0.0012 0.0172 2759819 TSC22D1 -3.6447 0.0012 0.0172 2779411 STIL -3.6441 0.	2790965	PBP	-3.6593	0.0012	0.0168
2768644 TMEM120B 3.6561 0.0012 0.0169 2776824 TNRC6C -3.6548 0.0012 0.0169 2777549 LRRC4C 3.6511 0.0012 0.0171 2768364 RPRD1A 3.6492 0.0012 0.0171 2760594 CHST1 3.7290 0.0011 0.0155 2771564 C100RF118 -3.6489 0.0012 0.0171 2782134 TBL1XR1 -3.6485 0.0012 0.0171 2770029 CHRAC1 -3.7282 0.0011 0.0155 2771911 -3.6478 0.0012 0.0171 2788924 EXT2 -3.6476 0.0012 0.0171 278504 TAOK1 -3.6476 0.0012 0.0172 2761679 FAM117B -3.6467 0.0012 0.0172 2759646 PPP2R5C 3.6461 0.0012 0.0172 2759411 STIL -3.6447 0.0012 0.0172 2779411 STIL -3.6447 0.001	2788569	FAM120A	3.6576	0.0012	0.0168
2776824 TNRC6C -3.6548 0.0012 0.0169 2777549 LRRC4C 3.6511 0.0012 0.0171 2768364 RPRD1A 3.6492 0.0012 0.0171 2760594 CHST1 3.7290 0.0011 0.0155 2771564 C10ORF118 -3.6489 0.0012 0.0171 2782134 TBL1XR1 -3.6485 0.0012 0.0171 2770029 CHRAC1 -3.7282 0.0011 0.0155 2771911 -3.6478 0.0012 0.0171 2788924 EXT2 -3.6476 0.0012 0.0171 278594 TAOK1 -3.6476 0.0012 0.0172 2761679 FAM117B -3.6467 0.0012 0.0172 2767871 ZNF622 -3.6462 0.0012 0.0172 2759646 PPP2R5C 3.6461 0.0012 0.0172 2789196 TSC22D1 -3.6447 0.0012 0.0172 2779411 STIL -3.6447 0.0	2792143	RCJMB04_3A6	-3.6574	0.0012	0.0168
2777549 LRRC4C 3.6511 0.0012 0.0171 2768364 RPRD1A 3.6492 0.0012 0.0171 2760594 CHST1 3.7290 0.0011 0.0155 2771564 C100RF118 -3.6489 0.0012 0.0171 2782134 TBL1XR1 -3.6485 0.0012 0.0171 2770029 CHRAC1 -3.7282 0.0011 0.0155 2771911 -3.6478 0.0012 0.0171 2788924 EXT2 -3.6476 0.0012 0.0171 2778504 TAOK1 -3.6470 0.0012 0.0172 2761679 FAM117B -3.6467 0.0012 0.0172 2767871 ZNF622 -3.6462 0.0012 0.0172 2759646 PPP2R5C 3.6461 0.0012 0.0172 2789196 TSC22D1 -3.6447 0.0012 0.0172 2779411 STIL -3.6447 0.0012 0.0172 2773470 APIS2 -3.6425 0.0	2768644	TMEM120B	3.6561	0.0012	0.0169
2768364 RPRD1A 3.6492 0.0012 0.0171 2760594 CHST1 3.7290 0.0011 0.0155 2771564 C10ORF118 -3.6489 0.0012 0.0171 2782134 TBL1XR1 -3.6485 0.0012 0.0171 2770029 CHRAC1 -3.7282 0.0011 0.0155 2771911 -3.6478 0.0012 0.0171 2788924 EXT2 -3.6476 0.0012 0.0171 2778504 TAOK1 -3.6470 0.0012 0.0172 2761679 FAM117B -3.6467 0.0012 0.0172 2767871 ZNF622 -3.6462 0.0012 0.0172 2759646 PPP2R5C 3.6461 0.0012 0.0172 2789196 TSC22D1 -3.6447 0.0012 0.0172 2789196 TSC22D1 -3.6447 0.0012 0.0172 2779411 STIL -3.6441 0.0012 0.0172 2779470 AP1S2 -3.6425 0.0013 0.0173 2769235 RRN3 3.6410 0.0013 <td>2776824</td> <td>TNRC6C</td> <td>-3.6548</td> <td>0.0012</td> <td>0.0169</td>	2776824	TNRC6C	-3.6548	0.0012	0.0169
2760594 CHST1 3.7290 0.0011 0.0155 2771564 C10ORF118 -3.6489 0.0012 0.0171 2782134 TBL1XR1 -3.6485 0.0012 0.0171 2770029 CHRAC1 -3.7282 0.0011 0.0155 2771911 -3.6478 0.0012 0.0171 2788924 EXT2 -3.6476 0.0012 0.0172 2761679 FAM117B -3.6467 0.0012 0.0172 2767871 ZNF622 -3.6462 0.0012 0.0172 2759646 PPP2R5C 3.6461 0.0012 0.0172 2768342 RUFY2 -3.6447 0.0012 0.0172 2789196 TSC22D1 -3.6447 0.0012 0.0172 2779411 STIL -3.6441 0.0012 0.0172 2773470 AP1S2 -3.6425 0.0013 0.0173 2769235 RRN3 3.6410 0.0013 0.0173 2783849 SEC63 -3.6393 0.0013 0.0173 2799344 -3.6388 0.0013 0.0174 <td>2777549</td> <td>LRRC4C</td> <td>3.6511</td> <td>0.0012</td> <td>0.0171</td>	2777549	LRRC4C	3.6511	0.0012	0.0171
2771564 C10ORF118 -3.6489 0.0012 0.0171 2782134 TBL1XR1 -3.6485 0.0012 0.0171 2770029 CHRAC1 -3.7282 0.0011 0.0155 2771911 -3.6478 0.0012 0.0171 2788924 EXT2 -3.6476 0.0012 0.0172 2761679 FAM117B -3.6467 0.0012 0.0172 2767871 ZNF622 -3.6462 0.0012 0.0172 2759646 PPP2R5C 3.6461 0.0012 0.0172 2768342 RUFY2 -3.6452 0.0012 0.0172 2789196 TSC22D1 -3.6447 0.0012 0.0172 2779411 STIL -3.6441 0.0012 0.0172 2773470 AP1S2 -3.6425 0.0013 0.0173 2769235 RRN3 3.6410 0.0013 0.0173 2769237 GAD2 3.6496 0.0013 0.0173 2799344 -3.6383 0.0013 0.0174 2777722 ZYG11A -3.6378 0.0013 0.0174 <td>2768364</td> <td>RPRD1A</td> <td>3.6492</td> <td>0.0012</td> <td>0.0171</td>	2768364	RPRD1A	3.6492	0.0012	0.0171
2782134 TBL1XR1 -3.6485 0.0012 0.0171 2770029 CHRAC1 -3.7282 0.0011 0.0155 2771911 -3.6478 0.0012 0.0171 2788924 EXT2 -3.6476 0.0012 0.0172 2778504 TAOK1 -3.6470 0.0012 0.0172 2761679 FAM117B -3.6467 0.0012 0.0172 2767871 ZNF622 -3.6462 0.0012 0.0172 2759646 PPP2R5C 3.6461 0.0012 0.0172 2768342 RUFY2 -3.6452 0.0012 0.0172 2789196 TSC22D1 -3.6447 0.0012 0.0172 2779411 STIL -3.6441 0.0012 0.0172 2773470 AP1S2 -3.6425 0.0013 0.0173 2769235 RRN3 3.6410 0.0013 0.0173 2796237 GAD2 3.6360 0.0013 0.0173 279344 -3.6383 0.0013 0.0174 2777722 ZYG11A -3.6378 0.0013 0.0174	2760594	CHST1	3.7290	0.0011	0.0155
2770029 CHRAC1 -3.7282 0.0011 0.0155 2771911 -3.6478 0.0012 0.0171 2788924 EXT2 -3.6476 0.0012 0.0172 2778504 TAOK1 -3.6470 0.0012 0.0172 2761679 FAM117B -3.6467 0.0012 0.0172 2767871 ZNF622 -3.6462 0.0012 0.0172 2759646 PPP2R5C 3.6461 0.0012 0.0172 2768342 RUFY2 -3.6452 0.0012 0.0172 2789196 TSC22D1 -3.6447 0.0012 0.0172 2779411 STIL -3.6441 0.0012 0.0172 2773470 AP1S2 -3.6425 0.0013 0.0173 2798748 RAD51C -3.6420 0.0013 0.0173 2769235 RRN3 3.6410 0.0013 0.0173 2783849 SEC63 -3.6393 0.0013 0.0173 2799344 -3.6388 0.0013 0.0174 2777722 ZYG11A -3.6378 0.0013 0.0174	2771564	C10ORF118	-3.6489	0.0012	0.0171
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2782134	TBL1XR1	-3.6485	0.0012	0.0171
2788924 EXT2 -3.6476 0.0012 0.0171 2778504 TAOK1 -3.6470 0.0012 0.0172 2761679 FAM117B -3.6467 0.0012 0.0172 2767871 ZNF622 -3.6462 0.0012 0.0172 2759646 PPP2R5C 3.6461 0.0012 0.0172 2768342 RUFY2 -3.6452 0.0012 0.0172 2789196 TSC22D1 -3.6447 0.0012 0.0172 2779411 STIL -3.6441 0.0012 0.0172 2773470 AP1S2 -3.6425 0.0013 0.0173 2798748 RAD51C -3.6420 0.0013 0.0173 2769235 RRN3 3.6410 0.0013 0.0173 2796237 GAD2 3.6406 0.0013 0.0173 279344 -3.6383 0.0013 0.0174 2777722 ZYG11A -3.6378 0.0013 0.0174 2775003 TMEM8B 3.6373 0.0013 0.0174 2781423 ETF1 3.6346 0.0013 <t< td=""><td>2770029</td><td>CHRAC1</td><td>-3.7282</td><td>0.0011</td><td>0.0155</td></t<>	2770029	CHRAC1	-3.7282	0.0011	0.0155
2778504 TAOK1 -3.6470 0.0012 0.0172 2761679 FAM117B -3.6467 0.0012 0.0172 2767871 ZNF622 -3.6462 0.0012 0.0172 2759646 PPP2R5C 3.6461 0.0012 0.0172 2768342 RUFY2 -3.6452 0.0012 0.0172 2789196 TSC22D1 -3.6447 0.0012 0.0172 2779411 STIL -3.6441 0.0012 0.0172 2773470 AP1S2 -3.6425 0.0013 0.0173 2798748 RAD51C -3.6420 0.0013 0.0173 2769235 RRN3 3.6410 0.0013 0.0173 2796237 GAD2 3.6496 0.0013 0.0173 2783849 SEC63 -3.6393 0.0013 0.0174 277702 ZYG11A -3.6378 0.0013 0.0174 2775003 TMEM8B 3.6373 0.0013 0.0174 2781423 ETF1 3.6346 0.0013 0.0175 2763718 CSRNP3 -3.6338 <	2771911		-3.6478	0.0012	0.0171
2761679 FAM117B -3.6467 0.0012 0.0172 2767871 ZNF622 -3.6462 0.0012 0.0172 2759646 PPP2R5C 3.6461 0.0012 0.0172 2768342 RUFY2 -3.6452 0.0012 0.0172 2789196 TSC22D1 -3.6447 0.0012 0.0172 2779411 STIL -3.6441 0.0012 0.0172 2773470 AP1S2 -3.6425 0.0013 0.0173 2798748 RAD51C -3.6420 0.0013 0.0173 2796237 GAD2 3.6406 0.0013 0.0173 2783849 SEC63 -3.6393 0.0013 0.0173 2799344 -3.6378 0.0013 0.0174 2777722 ZYG11A -3.6378 0.0013 0.0174 2781362 LBH -3.9113 0.0007 0.0116 2781423 ETF1 3.6346 0.0013 0.0175 2763718 CSRNP3 -3.8065 0.0009 0.0141 2775160 PPP3CA -3.6338 0.0013	2788924	EXT2	-3.6476	0.0012	0.0171
2767871 ZNF622 -3.6462 0.0012 0.0172 2759646 PPP2R5C 3.6461 0.0012 0.0172 2768342 RUFY2 -3.6452 0.0012 0.0172 2789196 TSC22D1 -3.6447 0.0012 0.0172 2779411 STIL -3.6441 0.0012 0.0172 2773470 AP1S2 -3.6425 0.0013 0.0173 2798748 RAD51C -3.6420 0.0013 0.0173 2769235 RRN3 3.6410 0.0013 0.0173 2796237 GAD2 3.6406 0.0013 0.0173 2783849 SEC63 -3.6393 0.0013 0.0173 2799344 -3.6378 0.0013 0.0174 2777722 ZYG11A -3.6378 0.0013 0.0174 2781362 LBH -3.9113 0.0007 0.0116 2781423 ETF1 3.6346 0.0013 0.0175 2763718 CSRNP3 -3.8065 0.0009 0.0141 2775160 PPP3CA -3.6338 0.0013 <t< td=""><td>2778504</td><td>TAOK1</td><td>-3.6470</td><td>0.0012</td><td>0.0172</td></t<>	2778504	TAOK1	-3.6470	0.0012	0.0172
2759646 PPP2R5C 3.6461 0.0012 0.0172 2768342 RUFY2 -3.6452 0.0012 0.0172 2789196 TSC22D1 -3.6447 0.0012 0.0172 2779411 STIL -3.6441 0.0012 0.0172 2773470 AP1S2 -3.6425 0.0013 0.0173 2798748 RAD51C -3.6420 0.0013 0.0173 2769235 RRN3 3.6410 0.0013 0.0173 279344 -3.6393 0.0013 0.0173 2799344 -3.6378 0.0013 0.0174 2777722 ZYG11A -3.6378 0.0013 0.0174 2781362 LBH -3.9113 0.0007 0.0116 2781423 ETF1 3.6346 0.0013 0.0175 2763718 CSRNP3 -3.8065 0.0009 0.0141 2775160 PPP3CA -3.6338 0.0013 0.0175 2783647 RHPN1 3.6337 0.0013 0.0175	2761679	FAM117B	-3.6467	0.0012	0.0172
2768342 RUFY2 -3.6452 0.0012 0.0172 2789196 TSC22D1 -3.6447 0.0012 0.0172 2779411 STIL -3.6441 0.0012 0.0172 2773470 AP1S2 -3.6425 0.0013 0.0173 2798748 RAD51C -3.6420 0.0013 0.0173 2769235 RRN3 3.6410 0.0013 0.0173 2796237 GAD2 3.6406 0.0013 0.0173 2783849 SEC63 -3.6393 0.0013 0.0173 2799344 -3.6383 0.0013 0.0174 2777722 ZYG11A -3.6378 0.0013 0.0174 2781362 LBH -3.9113 0.0007 0.0116 2781423 ETF1 3.6346 0.0013 0.0175 2763718 CSRNP3 -3.8065 0.0009 0.0141 2775160 PPP3CA -3.6338 0.0013 0.0175 2783647 RHPN1 3.6337 0.0013 0.0175	2767871	ZNF622	-3.6462	0.0012	0.0172
2789196 TSC22D1 -3.6447 0.0012 0.0172 2779411 STIL -3.6441 0.0012 0.0172 2773470 AP1S2 -3.6425 0.0013 0.0173 2798748 RAD51C -3.6420 0.0013 0.0173 2769235 RRN3 3.6410 0.0013 0.0173 2796237 GAD2 3.6406 0.0013 0.0173 2783849 SEC63 -3.6393 0.0013 0.0173 2799344 -3.6383 0.0013 0.0174 2777722 ZYG11A -3.6378 0.0013 0.0174 2775003 TMEM8B 3.6373 0.0013 0.0174 2781423 ETF1 3.6346 0.0013 0.0175 2763718 CSRNP3 -3.8065 0.0009 0.0141 2775160 PPP3CA -3.6338 0.0013 0.0175 2783647 RHPN1 3.6337 0.0013 0.0175	2759646	PPP2R5C	3.6461	0.0012	0.0172
2779411 STIL -3.6441 0.0012 0.0172 2773470 AP1S2 -3.6425 0.0013 0.0173 2798748 RAD51C -3.6420 0.0013 0.0173 2769235 RRN3 3.6410 0.0013 0.0173 2796237 GAD2 3.6406 0.0013 0.0173 2783849 SEC63 -3.6393 0.0013 0.0173 2799344 -3.6383 0.0013 0.0174 2777722 ZYG11A -3.6378 0.0013 0.0174 2775003 TMEM8B 3.6373 0.0013 0.0174 2781362 LBH -3.9113 0.0007 0.0116 2781423 ETF1 3.6346 0.0013 0.0175 2763718 CSRNP3 -3.8065 0.0009 0.0141 2775160 PPP3CA -3.6338 0.0013 0.0175 2783647 RHPN1 3.6337 0.0013 0.0175	2768342	RUFY2	-3.6452	0.0012	0.0172
2773470 AP1S2 -3.6425 0.0013 0.0173 2798748 RAD51C -3.6420 0.0013 0.0173 2769235 RRN3 3.6410 0.0013 0.0173 2796237 GAD2 3.6406 0.0013 0.0173 2783849 SEC63 -3.6393 0.0013 0.0173 2799344 -3.6378 0.0013 0.0174 2777722 ZYG11A -3.6378 0.0013 0.0174 2781362 LBH -3.9113 0.0007 0.0116 2781423 ETF1 3.6346 0.0013 0.0175 2763718 CSRNP3 -3.8065 0.0009 0.0141 2775160 PPP3CA -3.6338 0.0013 0.0175 2783647 RHPN1 3.6337 0.0013 0.0175	2789196	TSC22D1	-3.6447	0.0012	0.0172
2798748 RAD51C -3.6420 0.0013 0.0173 2769235 RRN3 3.6410 0.0013 0.0173 2796237 GAD2 3.6406 0.0013 0.0173 2783849 SEC63 -3.6393 0.0013 0.0173 2799344 -3.6383 0.0013 0.0174 2777722 ZYG11A -3.6378 0.0013 0.0174 2781362 LBH -3.9113 0.0007 0.0116 2781423 ETF1 3.6346 0.0013 0.0175 2763718 CSRNP3 -3.8065 0.0009 0.0141 2775160 PPP3CA -3.6338 0.0013 0.0175 2783647 RHPN1 3.6337 0.0013 0.0175	2779411	STIL	-3.6441	0.0012	0.0172
2769235 RRN3 3.6410 0.0013 0.0173 2796237 GAD2 3.6406 0.0013 0.0173 2783849 SEC63 -3.6393 0.0013 0.0173 2799344 -3.6383 0.0013 0.0174 2777722 ZYG11A -3.6378 0.0013 0.0174 2775003 TMEM8B 3.6373 0.0013 0.0174 2781362 LBH -3.9113 0.0007 0.0116 2781423 ETF1 3.6346 0.0013 0.0175 2763718 CSRNP3 -3.8065 0.0009 0.0141 2775160 PPP3CA -3.6338 0.0013 0.0175 2783647 RHPN1 3.6337 0.0013 0.0175	2773470	AP1S2	-3.6425	0.0013	0.0173
2796237 GAD2 3.6406 0.0013 0.0173 2783849 SEC63 -3.6393 0.0013 0.0173 2799344 -3.6383 0.0013 0.0174 2777722 ZYG11A -3.6378 0.0013 0.0174 2775003 TMEM8B 3.6373 0.0013 0.0174 2781362 LBH -3.9113 0.0007 0.0116 2781423 ETF1 3.6346 0.0013 0.0175 2763718 CSRNP3 -3.8065 0.0009 0.0141 2775160 PPP3CA -3.6338 0.0013 0.0175 2783647 RHPN1 3.6337 0.0013 0.0175	2798748	RAD51C	-3.6420	0.0013	0.0173
2783849 SEC63 -3.6393 0.0013 0.0173 2799344 -3.6383 0.0013 0.0174 2777722 ZYG11A -3.6378 0.0013 0.0174 2775003 TMEM8B 3.6373 0.0013 0.0174 2781362 LBH -3.9113 0.0007 0.0116 2781423 ETF1 3.6346 0.0013 0.0175 2763718 CSRNP3 -3.8065 0.0009 0.0141 2775160 PPP3CA -3.6338 0.0013 0.0175 2783647 RHPN1 3.6337 0.0013 0.0175	2769235		3.6410	0.0013	0.0173
2799344 -3.6383 0.0013 0.0174 2777722 ZYG11A -3.6378 0.0013 0.0174 2775003 TMEM8B 3.6373 0.0013 0.0174 2781362 LBH -3.9113 0.0007 0.0116 2781423 ETF1 3.6346 0.0013 0.0175 2763718 CSRNP3 -3.8065 0.0009 0.0141 2775160 PPP3CA -3.6338 0.0013 0.0175 2783647 RHPN1 3.6337 0.0013 0.0175	2796237	GAD2	3.6406	0.0013	0.0173
2777722 ZYG11A -3.6378 0.0013 0.0174 2775003 TMEM8B 3.6373 0.0013 0.0174 2781362 LBH -3.9113 0.0007 0.0116 2781423 ETF1 3.6346 0.0013 0.0175 2763718 CSRNP3 -3.8065 0.0009 0.0141 2775160 PPP3CA -3.6338 0.0013 0.0175 2783647 RHPN1 3.6337 0.0013 0.0175	2783849	SEC63	-3.6393	0.0013	0.0173
2775003 TMEM8B 3.6373 0.0013 0.0174 2781362 LBH -3.9113 0.0007 0.0116 2781423 ETF1 3.6346 0.0013 0.0175 2763718 CSRNP3 -3.8065 0.0009 0.0141 2775160 PPP3CA -3.6338 0.0013 0.0175 2783647 RHPN1 3.6337 0.0013 0.0175	2799344		-3.6383	0.0013	0.0174
2781362 LBH -3.9113 0.0007 0.0116 2781423 ETF1 3.6346 0.0013 0.0175 2763718 CSRNP3 -3.8065 0.0009 0.0141 2775160 PPP3CA -3.6338 0.0013 0.0175 2783647 RHPN1 3.6337 0.0013 0.0175	2777722		-3.6378	0.0013	0.0174
2781423 ETF1 3.6346 0.0013 0.0175 2763718 CSRNP3 -3.8065 0.0009 0.0141 2775160 PPP3CA -3.6338 0.0013 0.0175 2783647 RHPN1 3.6337 0.0013 0.0175	2775003	TMEM8B	3.6373	0.0013	0.0174
2763718 CSRNP3 -3.8065 0.0009 0.0141 2775160 PPP3CA -3.6338 0.0013 0.0175 2783647 RHPN1 3.6337 0.0013 0.0175					
2775160 PPP3CA -3.6338 0.0013 0.0175 2783647 RHPN1 3.6337 0.0013 0.0175	2781423		3.6346	0.0013	0.0175
$2783647 \text{RHPN1} \qquad \qquad 3.6337 0.0013 0.0175$					
	2775160				
2773729 STMN2 -3.6305 0.0013 0.0176					
	2773729	STMN2	-3.6305	0.0013	0.0176

	gene_symbols	t	P.Value	adj.P.Va
2782501	ZNF326	3.6298	0.0013	0.0177
2771030	CSNK1G1	3.6287	0.0013	0.0177
2761206		-3.6273	0.0013	0.0177
2757810		3.6264	0.0013	0.0177
2776162	EFNB2	-3.6259	0.0013	0.0177
2796811	CEP63	-3.6256	0.0013	0.0177
2790752	C15ORF40	-3.6255	0.0013	0.0177
2786630	TRIM37	3.6251	0.0013	0.0177
2785701	FBXO31	-3.6251	0.0013	0.0177
2758589	LOC772206	-3.6246	0.0013	0.017
2774513	STMN2	-3.6236	0.0013	0.017
2772531	SETD3	3.6234	0.0013	0.0177
2759589	GPR146	3.6234	0.0013	0.0177
2763569	MAP3K7IP3	-3.6233	0.0013	0.0177
2768395		3.6209	0.0013	0.0178
2788505	CACNB4	3.6205	0.0013	0.0178
2778195	PDE2A	3.6199	0.0013	0.0178
2776444	EXT2	-3.6199	0.0013	0.0178
2757260	CDKN1B	-3.6193	0.0013	0.0179
2765432	LRRN3	-3.6186	0.0013	0.0179
2778722	Eltitivo	3.6969	0.0013	0.0163
2786344	OGT	-3.6177	0.0011 0.0013	0.010
2757157	EED	$\frac{-3.6177}{3.6157}$	0.0013	0.0178
2773437	GATAD1	-3.6154	0.0013	0.0180
2765819	SHC3	3.6141	0.0013	0.0180
2760807	ST5	-3.6088	0.0013 0.0014	0.0180
27700807 2777881	C19ORF26	-3.6071	0.0014 0.0014	0.0182
2769828	MRPS18A	3.6054	0.0014 0.0014	0.0183
2790497	SGSM2	3.6829	0.0012	0.016
2770861	KCTD1	-3.6041	0.0014	0.0184
2776077	FANCL	-3.6040	0.0014	0.0184
2773438	H3F3B	3.6040	0.0014	0.018
2799371	COX6A1	-3.6040	0.0014	0.0184
2789751	MEF2C	-3.6024	0.0014	0.0184
2767157	SLC25A16	-3.6020	0.0014	0.0184
2787530	C11ORF73	-3.6791	0.0012	0.0168
2793783	SPATA20	-3.6015	0.0014	0.0184
2764358	FCHSD2	3.6010	0.0014	0.0184
2797149	FPGS	-3.6009	0.0014	0.0184
2777997	NPEPL1	-3.8710	0.0007	0.0123
2777772	TGFB2	-3.5998	0.0014	0.018
2764819	SGMS1	3.5993	0.0014	0.018
2780838	MPST	-3.5992	0.0014	0.018
2773199	CHSY1	3.5991	0.0014	0.018
2773792	PPHLN1	3.5983	0.0014	0.018
2793098	LBR	-3.5977	0.0014	0.018
2775332	LOC418040	3.5952	0.0014	0.018
2772313	HEATR1	3.5948	0.0014	0.018
2757182	GGA3	-3.5937	0.0014	0.018
2776169	ZFP36L2	-3.5935	0.0014	0.018
2770939	UHRF2	-3.5929	0.0014	0.018
	-	0.00		2.0-0

	${\rm gene_symbols}$	t	P.Value	adj.P.Val
2793631	POLE4	-3.5887	0.0014	0.0188
2771831	KLHL20	-3.5870	0.0014	0.0189
2766976		-3.5869	0.0014	0.0189
2770843	MARK1	3.5865	0.0014	0.0189
2783961	${ m EIF4A2}$	3.5863	0.0014	0.0189
2796661	TUBGCP4	-3.5862	0.0014	0.0189
2759725	TMEM8B	3.5849	0.0014	0.0189
2760689		-3.5848	0.0014	0.0189
2785621	POLR2D	-3.8504	0.0008	0.0127
2799025	CXORF15	-3.5825	0.0015	0.0190
2787329	BHLHE40	3.5822	0.0015	0.0190
2773657	ZDHHC4	-3.5809	0.0015	0.0190
2788056	RRAGD	3.5797	0.0015	0.0191
2779933	PCSK1	3.5790	0.0015	0.0191
2790502	PDDC1	-3.5756	0.0015	0.0192
2789545	CETN3	-3.5754	0.0015	0.0192
2780508	ZNF326	3.5746	0.0015	0.0192
2785495	ERRFI1	3.5745	0.0015	0.0192
2759100	HOMER1	3.6491	0.0013	0.0177
2770373	TIMM9	-3.5729	0.0015	0.0193
2792187	ETV3	3.6483	0.0013	0.0177
2757301	21,0	3.6478	0.0013	0.0177
2796153	GPATCH8	-3.5708	0.0015	0.0194
2783560	SERTAD2	3.6464	0.0013	0.0177
2780038	ABI1	3.5695	0.0015	0.0194
2781551	HINT2	-3.5693	0.0015	0.0194
2785473	STK3	3.6440	0.0013	0.0177
2777511	FBXL10	-3.5679	0.0015	0.0195
2790234	JPH1	-3.9223	0.0007	0.0138
2781051	GGA3	-3.5661	0.0015	0.0195
2768473	PDE3A	3.5659	0.0015	0.0195
2759182	BEND5	3.5656	0.0015	0.0195
2785763	RFX3	-3.5645	0.0015	0.0196
2788445	C15ORF42	3.6392	0.0013	0.0178
2793988	AKR1B1	-3.5634	0.0015	0.0176
2781851	THEFT	-3.5628	0.0015	0.0196
2764222	PDXK	3.5627	0.0015	0.0196
2779424	1 DAIL	-3.5623	0.0015	0.0196
2764482	RAB22A	-3.5623	0.0015	0.0196
2781594	KCNV1	-3.5620	0.0015	0.0196
2770213	DCLK1	3.5612	0.0015	0.0197
2763777	IFNGR1	3.5600	0.0015	0.0197
2783300	irwoiti	3.6350	0.0013	0.0137
2791339	TMEM229B	-3.5591	0.0015	0.0190 0.0197
2777020	TMEM97	3.5583	0.0015	0.0197
2766708	C14ORF159	-3.5582	0.0015 0.0015	0.0197 0.0197
2791074	0140111 193	-3.5553	0.0015 0.0016	0.0197 0.0199
2785851		-3.5549	0.0016 0.0016	0.0199 0.0199
2797435	DNAJC3	3.5547	0.0016	0.0199 0.0199
2772528	NPAL3	-3.5543	0.0016 0.0016	0.0199 0.0199
2784432	LOC416755	-3.5541	0.0016 0.0016	0.0199 0.0199
2784432 2770115	ANAPC7			
4110115	ANAFUI	-3.5540	0.0016	0.0199

	gene_symbols	t	P.Value	adj.P.Val
2794267	SYMENSTGUG00000003816	-3.5522	0.0016	0.0199
2789198	TNPO1	-3.5516	0.0016	0.0200
2772002	ERI1	-3.5509	0.0016	0.0200
2798379	C16ORF63	-3.5508	0.0016	0.0200
2763862	TP53BP1	-3.5477	0.0016	0.0201
2769133	GATAD1	-3.5469	0.0016	0.0201
2793442		-3.5467	0.0016	0.0201
2787773	NUDT8	-3.5463	0.0016	0.0201
2776560	RND2	-3.5463	0.0016	0.0201
2788884	TMEM170B	-3.5457	0.0016	0.0201
2758147	SORBS1	3.6161	0.0014	0.0185
2767610	LNX2	3.5416	0.0016	0.0203
2761738		3.5414	0.0016	0.0203
2757983	GRIA1	-3.6154	0.0014	0.0185
2762198		3.5396	0.0016	0.0204
2787734	CNKSR2	3.5368	0.0016	0.0205
2794142	WDYHV1	-3.5344	0.0016	0.0206
2764791		3.5341	0.0016	0.0206
2800022		3.5320	0.0017	0.0207
2781873	KIAA0652	-3.5296	0.0017	0.0208
2786307	H3F3A	-3.5291	0.0017	0.0208
2783653	TNRC18	-3.5289	0.0017	0.0208
2768010	FNDC3A	3.6020	0.0015	0.0190
2799024	EIF6	-3.5279	0.0017	0.0208
2766080	ASF1A	-3.5277	0.0017	0.0208
2757994	HEBP2	-3.6001	0.0015	0.0190
2797341	VAC14	-3.5264	0.0017	0.0209
2768425	TPM1	3.5257	0.0017	0.0209
2798062	FAIM2	-3.5255	0.0017	0.0209
2764161	IQCG	3.5247	0.0017	0.0209
2767869	ARSA	-3.7824	0.0009	0.0141
2792163	MGLL	-3.5240	0.0017	0.0209
2769921	FKBP4	-3.5239	0.0017	0.0209
2771512		-3.5964	0.0015	0.0191
2781204	AKAP8	-3.5215	0.0017	0.0210
2786892	TSPAN12	-3.5210	0.0017	0.0210
2791815	PDE4B	-3.5207	0.0017	0.0210
2768401	KIF5B	3.5207	0.0017	0.0210
2790425	ORAI1	3.5937	0.0015	0.0192
2776029	0 - 3	3.5204	0.0017	0.0210
2769660	MRAS	-3.5192	0.0017	0.0211
2759298	TERF2	-3.5189	0.0017	0.0211
2765088	COG4	-3.5188	0.0017	0.0211
2767908	RRAGD	3.5184	0.0017	0.0211
2757789		-3.5183	0.0017	0.0211
2791149	C7ORF20	-3.5172	0.0017	0.0211
2774477	HS6ST1	3.5162	0.0017	0.0211
2773751	HARBI1	-3.5160	0.0017	0.0211
2765111	TMTC3	3.5158	0.0017	0.0211
2775823	VLDLR	-3.5149	0.0017	0.0211
2760324		3.5129	0.0017	0.0212
2789086	C3ORF21	-3.5125	0.0017 0.0017	0.0213
2100000	OOOTH 21	-0.0120	0.0017	0.0210

	gene_symbols	t	P.Value	adj.P.Val
2757857	CKB	-3.5122	0.0017	0.0213
2764260	MGA	-3.5116	0.0017	0.0213
2774596	UHRF2	-3.5114	0.0017	0.0213
2793133		3.5108	0.0017	0.0213
2781063	H3F3B	3.5073	0.0018	0.0215
2797388		3.5057	0.0018	0.0216
2770006	SNX24	-3.5054	0.0018	0.0216
2774878	GALE	-3.5777	0.0015	0.0197
2769115	DNAJB14	-3.5037	0.0018	0.0216
2784917	CABIN1	-3.5758	0.0016	0.0198
2769389		-3.5031	0.0018	0.0216
2793228	TAX1BP1	3.5031	0.0018	0.0216
2777855	PEX1	-3.5016	0.0018	0.0217
2790073	SOX4	-3.5000	0.0018	0.0218
2762057	C21ORF70	-3.4993	0.0018	0.0218
2769764		3.4975	0.0018	0.0219
2795547	MSH4	-3.4972	0.0018	0.0219
2776403	FMNL1	3.4968	0.0018	0.0219
2785187	DACH2	3.6521	0.0014	0.0181
2778782	TDG	3.5673	0.0016	0.0200
2767494	-	-3.4945	0.0018	0.0220
2773084	BHLHE41	-3.4933	0.0018	0.0220
2780338	MAGT1	3.4932	0.0018	0.0220
2766907	GABPA	-3.4931	0.0018	0.0220
2781694	MARK1	3.4931	0.0018	0.0220
2792105	NCOA7	-3.4931	0.0018	0.0220
2776470	CPNE1	-3.5642	0.0016	0.0201
2767813	NIPBL	-3.4918	0.0018	0.0221
2786071	ADAM11	-3.4916	0.0018	0.0221
2763688	MPV17	-3.4911	0.0018	0.0221
2799104	SIN3B	-3.4910	0.0018	0.0221
2799806	BRS3	-3.7417	0.0010	0.0151
2774752	MIPEP	3.4884	0.0018	0.0222
2778513	NEDD4-1	3.4875	0.0018	0.0222
2786083	RIMS1	3.4858	0.0019	0.0223
2768566		3.4851	0.0019	0.0223
2778388		-3.4848	0.0019	0.0223
2792727	DLGAP2	3.4833	0.0019	0.0224
2767861	LUC7L3	-3.5543	0.0016	0.0205
2762677	PIK3R1	3.4828	0.0010	0.0224
2782048	KLHDC4	-3.4816	0.0019	0.0224
2757730	KCNJ4	3.4815	0.0019	0.0224
2771721	EEF1A1	-3.4812	0.0019	0.0224
2781620	EPM2A	-3.5504	0.0013 0.0017	0.0224 0.0207
2789398	MCM3AP	-3.4774	0.0017 0.0019	0.0207
2778900	LONRF1	-3.4774 -3.4771	0.0019	0.0220 0.0227
2766803	AGR2	$\frac{-3.4771}{3.5475}$	0.0019 0.0017	0.0227
2767467	WNT5A	-3.7275	0.0017 0.0011	0.0208 0.0155
2774781	WDR7	-3.7273 -3.5474	0.0011 0.0017	0.0133 0.0208
2785567	EPHA5	-3.3474 -3.4757	0.0017 0.0019	0.0208 0.0227
2772960	EI IIAJ	-3.4737 -3.4739	0.0019 0.0019	0.0227 0.0228
2772900	SYMENSTGUG00000000772	-3.4739 -3.4729	0.0019 0.0019	0.0228 0.0228
4190409	5 1 MENS 1 G U GUUUUUUU ((2	-3.4 <i>12</i> 9	0.0019	0.0228

	gene_symbols	t	P.Value	adj.P.Val
2784361		-3.4729	0.0019	0.0228
2766196	ACTR8	3.4720	0.0019	0.0229
2773950		-3.4717	0.0019	0.0229
2771761		-3.7182	0.0011	0.0157
2759211	EIF3E	3.4682	0.0019	0.0231
2786535	RORA	-3.4678	0.0019	0.0231
2763177	RRP15	3.4671	0.0019	0.0231
2780437	XP_002194193.1	-3.4667	0.0019	0.0231
2761265	JOSD1	-3.4658	0.0020	0.0231
2784504	C9ORF61	-3.4658	0.0020	0.0231
2789873		3.4657	0.0020	0.0231
2792069	UBE2J2	-3.4640	0.0020	0.0232
2773649	FAM117B	-3.4634	0.0020	0.0232
2785449	TRIM3	-3.4632	0.0020	0.0232
2762360	CTCF	-3.5328	0.0017	0.0212
2784351	ITCH	-3.4623	0.0020	0.0232
2790088	ACOT7	-3.4617	0.0020	0.0233
2787446	ODC1	3.4609	0.0020	0.0233
2799000	BRD1	-3.4590	0.0020	0.0233
2798978	XP 002194193.1	-3.4589	0.0020	0.0233
2785640	DCLK1	3.4586	0.0020	0.0233
2785468	STMN2	-3.4586	0.0020	0.0233
2797976	C19ORF70	-3.4585	0.0020	0.0233
2778547	SEC11A	3.4583	0.0020	0.0233
2766769	EIF6	-3.4577	0.0020	0.0234
2776242	LHFPL4	-3.4569	0.0020	0.0234
2791862	DIII D4	3.4563	0.0020	0.0234 0.0234
2799054	DHX15	3.4561	0.0020	0.0234 0.0234
2776048	SYNE1	3.4558	0.0020	0.0234 0.0234
2798303	FAM46A	3.4555	0.0020	0.0234 0.0234
2788494	HYOU1	3.4532	0.0020	0.0234 0.0236
2790102	PLCL2	-3.4528	0.0020	0.0236
2791204	CABP1	3.4514	0.0020	0.0236
2770093	EXTL3	3.4498	0.0020	0.0230 0.0237
2766305	EXILS	-3.4488	0.0020 0.0020	0.0237 0.0238
2776205	KCNJ9	-3.4483	0.0020 0.0020	0.0238
2781068	LOC395611		0.0020	
2787613		-3.4482		0.0238
	NOL8	-3.6944	0.0012	0.0164
2762172	MED13	-3.4468	0.0020	0.0238
2757244	SEC23B	-3.6926	0.0012	0.0165
2776173	DCLK1	3.4455	0.0021	0.0239
2767135	TMEM120B	3.4453	0.0021	0.0239
2779721	LGR4	-3.6896	0.0012	0.0165
2786850	AAMP	-3.4435	0.0021	0.0240
2768109	SLC38A7	-3.4434	0.0021	0.0240
2790962	SLC7A6	-3.4428	0.0021	0.0240
2796193	NAA25	3.4426	0.0021	0.0240
2759982	C6ORF129	-3.4422	0.0021	0.0240
2783228	GALNT10	3.4421	0.0021	0.0240
2781908	GSPT1	3.4421	0.0021	0.0240
2771464	GPR175	-3.4420	0.0021	0.0240
2762593	THAP11	-3.4414	0.0021	0.0240

	gene_symbols	t	P.Value	adj.P.Val
2763585		-3.4413	0.0021	0.0240
2788220	HERC4	3.5101	0.0018	0.0220
2793152	KIAA0895	-3.4406	0.0021	0.0240
2795665	SERPINC1	-3.4377	0.0021	0.0242
2795778		-3.4353	0.0021	0.0243
2781318	HIST2H2AB	-3.4351	0.0021	0.0243
2779157	AOF1	3.4339	0.0021	0.0243
2779611	MXI1	-3.4328	0.0021	0.0244
2758025	SGSM2	3.5002	0.0019	0.0224
2762449	CTGF	3.4311	0.0021	0.0244
2762227		3.4309	0.0021	0.0244
2799764	RELN	3.4307	0.0021	0.0244
2785907	SLTM	3.4303	0.0021	0.0244
2767891	BCAS3	-3.4296	0.0021	0.0245
2798420		-3.4282	0.0021	0.0246
2792828	CCT8	3.4275	0.0021	0.0246
2776838		3.4274	0.0021	0.0246
2758437	MED13L	-3.4272	0.0021	0.0246
2783400	MORN4	-3.4256	0.0022	0.0247
2793753	PALM2	-3.4227	0.0022	0.0248
2763763		3.4222	0.0022	0.0248
2790488	RGL1	-3.6634	0.0012	0.0172
2794317	GAD2	3.4197	0.0022	0.0249
2793673	TAX1BP1	3.4192	0.0022	0.0249
2757849	SLC30A1	3.4192	0.0022	0.0249
2757772	WDR37	3.4188	0.0022	0.0249
2772089	CCDC6	-3.4183	0.0022	0.0250
2796574	NAIF1	-3.4178	0.0022	0.0250
2773689	SPG7	-3.4174	0.0022	0.0250
2765188	MYEF2	3.4172	0.0022	0.0250
2799809	RBBP6	-3.4167	0.0022	0.0250
2778990	MXI1	-3.4160	0.0022	0.0250
2785188	KANK1	-3.4159	0.0022	0.0250
2784324	REXO2	-3.4152	0.0022	0.0251
2759895	TPRKB	-3.4134	0.0022	0.0251
2797557	DCLK1	3.4119	0.0022	0.0252
2778347		-3.4114	0.0022	0.0252
2797607		-3.4107	0.0022	0.0252
2785224	FAM84A	-3.4782	0.0020	0.0233
2757827	C	3.4098	0.0022	0.0253
2759977	SEMA4G	-3.4094	0.0022	0.0253
2770113	UBP1	-3.4094	0.0022	0.0253
2776481	DDX3X	3.4072	0.0023	0.0254
2775638	CKB	-3.4069	0.0023	0.0254
2778574	GTF2A1	-3.4068	0.0023	0.0254
2762581	TLE4	-3.4058	0.0023	0.0254
2761252	PCMT1	-3.4051	0.0023	0.0255
2790913	LCOR	-3.4041	0.0023	0.0255
2759910	JHDM1D	3.4036	0.0023	0.0255
2775050	GPM6B	-3.4027	0.0023	0.0256
2782227	ATP1B4-2	-3.4027	0.0023	0.0256
2773547	ATXN3	-3.4015	0.0023	0.0256

	NSD1 ZDHHC17	-3.4004	0.0023	0.0057
2787844	ZDHHC17		0.0020	0.0257
		3.3999	0.0023	0.0257
2769059	AFF4	3.3997	0.0023	0.0257
2767505	$\Gamma TC33$	3.3996	0.0023	0.0257
2761301		3.3996	0.0023	0.0257
2771932	SLMO1	3.3995	0.0023	0.0257
2798075		-3.6383	0.0013	0.0179
2758690 1	BTBD1	-3.3967	0.0023	0.0258
2777884		3.3963	0.0023	0.0258
2794701	ACOT7	-3.3940	0.0023	0.0259
2792096	ACBD3	3.3938	0.0023	0.0259
2782003	ARNT2	-3.3937	0.0023	0.0259
2787086	PPP3CA	-3.6308	0.0014	0.0181
2788053	ATG3	3.3924	0.0023	0.0260
2796261 1	FAM92A1	-3.3924	0.0023	0.0260
2758135	ACVR1B	-3.3920	0.0023	0.0260
2790983 I	MAP3K1	3.3916	0.0023	0.0260
2798921	CHD3	-3.3907	0.0024	0.0260
2789482	RNASET2	-3.3906	0.0024	0.0260
2795901	C5ORF41	-3.4566	0.0021	0.0241
2775226	GPR146	3.3898	0.0024	0.0261
2763893	OTUD7A	3.3893	0.0024	0.0261
2786785	PPRC1	3.3889	0.0024	0.0261
2782302		3.3887	0.0024	0.0261
2786484	MRPS6	-3.3880	0.0024	0.0261
2769249	KIAA0100	-3.3865	0.0024	0.0262
2797405		-3.6225	0.0014	0.0184
2773970	APBA1	-3.4512	0.0021	0.0243
2799871	DNAJC13	-3.4510	0.0021	0.0243
2788545	RIMS1	3.3831	0.0024	0.0264
2780235	C20ORF142	-3.3829	0.0024	0.0264
2770067 Y	WSB1	3.3827	0.0024	0.0264
2779498		-3.3820	0.0024	0.0264
2770381 I	PUM1	-3.3814	0.0024	0.0264
2793272	LHFPL5	-3.3806	0.0024	0.0265
2787154 I	PPP2R2A	3.3805	0.0024	0.0265
2788540		3.3803	0.0024	0.0265
2793334		-3.3795	0.0024	0.0265
2764905	RNF170	-3.3774	0.0024	0.0266
2757514 I	PIM3	3.3765	0.0024	0.0266
2797025 1	DLG2	3.3764	0.0024	0.0266
2786547	$\Gamma \mathrm{M2D1}$	-3.3761	0.0024	0.0266
2767473 I	MED30	3.3755	0.0024	0.0267
2779129	AP2B1	-3.6888	0.0012	0.0171
2778603	PPP2R2A	3.3737	0.0025	0.0268
2794146 I	FAM135A	3.3736	0.0025	0.0268
2793532 I	NCOA2	-3.3734	0.0025	0.0268
2780231 I	KCNAB2	-3.3724	0.0025	0.0268
2792497		3.3715	0.0025	0.0268
2766035	ASAP1	3.4368	0.0022	0.0249
2762184	PRRG3	3.3709	0.0025	0.0268
2777203	ACSL1	3.3708	0.0025	0.0268

2790817 TMCC3 -3.3703 0.0 2765359 SYF2 -3.3675 0.0 2791241 GOLGA7 -3.3669 0.0 2785413 HMGB3 -3.3669 0.0 2791113 GPM6B -3.3663 0.0 2760350 FAM110B 3.3651 0.0 2776684 ZYG11A -3.3634 0.0 2770741 ZNF362 -3.3620 0.0 2765033 ETF1 3.3618 0.0 27774228 ASF1A -3.3607 0.0 2767746 MAPK8IP1 3.3605 0.0 2763102 CCDC53 -3.5927 0.0	0025 0.0268 0025 0.0270 0025 0.0270 0025 0.0270 0025 0.0270 0025 0.0270 0025 0.0271 0025 0.0271 0025 0.0272 0025 0.0273 0025 0.0273 0025 0.0273 0025 0.0273 0025 0.0273 0025 0.0273 0025 0.0273 0025 0.0273 0015 0.0192 0026 0.0275
2765359 SYF2 -3.3675 0.0 2791241 GOLGA7 -3.3669 0.0 2785413 HMGB3 -3.3669 0.0 2791113 GPM6B -3.3663 0.0 2760350 FAM110B 3.3651 0.0 2776684 ZYG11A -3.3634 0.0 2770741 ZNF362 -3.3620 0.0 2765033 ETF1 3.3618 0.0 2777654 -3.3608 0.0 27774228 ASF1A -3.3607 0.0 2767746 MAPK8IP1 3.3605 0.0 2763102 CCDC53 -3.5927 0.0	$\begin{array}{cccc} 0025 & 0.0270 \\ 0025 & 0.0270 \\ 0025 & 0.0270 \\ 0025 & 0.0270 \\ 0025 & 0.0271 \\ 0025 & 0.0272 \\ 0025 & 0.0273 \\ 0025$
2791241 GOLGA7 -3.3669 0.0 2785413 HMGB3 -3.3669 0.0 2791113 GPM6B -3.3663 0.0 2760350 FAM110B 3.3651 0.0 2776684 ZYG11A -3.3634 0.0 2770741 ZNF362 -3.3620 0.0 2765033 ETF1 3.3618 0.0 2777654 -3.3608 0.0 27774228 ASF1A -3.3607 0.0 2767746 MAPK8IP1 3.3605 0.0 2763102 CCDC53 -3.5927 0.0	0025 0.0270 0025 0.0270 0025 0.0270 0025 0.0271 0025 0.0272 0025 0.0273 0025 0.0273 0025 0.0273 0025 0.0273 0025 0.0273 0025 0.0273 0025 0.0273 0025 0.0273 0015 0.0192
2785413 HMGB3 -3.3669 0.0 2791113 GPM6B -3.3663 0.0 2760350 FAM110B 3.3651 0.0 2776684 ZYG11A -3.3634 0.0 2770741 ZNF362 -3.3620 0.0 2765033 ETF1 3.3618 0.0 2777654 -3.3608 0.0 27774228 ASF1A -3.3607 0.0 2767746 MAPK8IP1 3.3605 0.0 2763102 CCDC53 -3.5927 0.0	0025 0.0270 0025 0.0270 0025 0.0271 0025 0.0272 0025 0.0273 0025 0.0273 0025 0.0273 0025 0.0273 0025 0.0273 0025 0.0273 0025 0.0273 0015 0.0192
2791113 GPM6B -3.3663 0.0 2760350 FAM110B 3.3651 0.0 2776684 ZYG11A -3.3634 0.0 2770741 ZNF362 -3.3620 0.0 2765033 ETF1 3.3618 0.0 2777654 -3.3608 0.0 27774228 ASF1A -3.3607 0.0 2767746 MAPK8IP1 3.3605 0.0 2763102 CCDC53 -3.5927 0.0	0025 0.0270 0025 0.0271 0025 0.0272 0025 0.0273 0025 0.0273 0025 0.0273 0025 0.0273 0025 0.0273 0025 0.0273 0015 0.0192
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0025 0.0271 0025 0.0272 0025 0.0273 0025 0.0273 0025 0.0273 0025 0.0273 0025 0.0273 0025 0.0273 0015 0.0192
2776684 ZYG11A -3.3634 0.0 2770741 ZNF362 -3.3620 0.0 2765033 ETF1 3.3618 0.0 2777654 -3.3608 0.0 2774228 ASF1A -3.3607 0.0 2767746 MAPK8IP1 3.3605 0.0 2763102 CCDC53 -3.5927 0.0	0025 0.0272 0025 0.0273 0025 0.0273 0025 0.0273 0025 0.0273 0025 0.0273 0025 0.0273 0015 0.0192
2770741 ZNF362 -3.3620 0.0 2765033 ETF1 3.3618 0.0 2777654 -3.3608 0.0 2774228 ASF1A -3.3607 0.0 2767746 MAPK8IP1 3.3605 0.0 2763102 CCDC53 -3.5927 0.0	0025 0.0273 0025 0.0273 0025 0.0273 0025 0.0273 0025 0.0273 0025 0.0273 0015 0.0192
2765033 ETF1 3.3618 0.0 2777654 -3.3608 0.0 2774228 ASF1A -3.3607 0.0 2767746 MAPK8IP1 3.3605 0.0 2763102 CCDC53 -3.5927 0.0	0025 0.0273 0025 0.0273 0025 0.0273 0025 0.0273 0025 0.0273 0015 0.0192
2777654 -3.3608 0.0 2774228 ASF1A -3.3607 0.0 2767746 MAPK8IP1 3.3605 0.0 2763102 CCDC53 -3.5927 0.0	0025 0.0273 0025 0.0273 0025 0.0273 0025 0.0273 0015 0.0192
2774228 ASF1A -3.3607 0.0 2767746 MAPK8IP1 3.3605 0.0 2763102 CCDC53 -3.5927 0.0	0025 0.0273 0025 0.0273 0015 0.0192
2767746 MAPK8IP1 3.3605 0.0 2763102 CCDC53 -3.5927 0.0	0.025 0.0273 0015 0.0192
2763102 CCDC53 -3.5927 0.0	0.0192
2763102 CCDC53 -3.5927 0.0	0.0192
2790589 TSR1 3.3576 0.0	0.040
	0.0275
	0026 0.0275
	0015 0.0194
	0.026 0.0276
	0.026 0.0277
	0.026 0.0277
	0.026 0.0277
	0.026 0.0277 0.0277
	0.026 0.0277
	0.026 0.0277 0.026
	0.025 0.0278 0.0258
	0.025 0.0258 0.0258
	0.025 0.0258 0.0279
	0.026 0.0279 0.0279
	0.026 0.0273 0.0281
	0.026 0.0281 0.0281
	0.026 0.0261 0.0260
	0.026 0.0281
	0.026 0.0281 0.0282
	0.0282 0.0282 0.0282
	0.0282 0.0282 0.0283
	0.027 0.0283 0.0283
	$0.027 \qquad 0.0283 \\ 0.027 \qquad 0.0283$
	0.027 0.0283
	0.027 0.0284
	0.027 0.0284
	0.0284
	0.0284
	0.027 0.0284
	0.0284
	0.027 0.0285
	0.0201
	0.027 0.0287
	0.0287
	0.0287
2785237 C1ORF55 3.3325 0.0	0.027 0.0287

2759419 DMXL2 -3.3316 0.0027 0.0287 2769694 -3.6354 0.0014 0.018 2762621 RPL11 -3.3309 0.0027 0.0287 2791324 3.3302 0.0027 0.0288 2758069 -3.3294 0.0027 0.0288 2757189 PPP2R2A 3.3280 0.0027 0.0288 2794359 CCDC93 3.3278 0.0027 0.0288 2780609 H3F3B 3.3265 0.0028 0.0288 2780609 H3F3B 3.3265 0.0028 0.0288 2789609 H3F3B 3.3263 0.0028 0.0288 2791569 B5G1C5_TAEGU 3.3263 0.0028 0.028 2792695 DACH2 3.3248 0.0028 0.029 2793143 SOX1 3.3879 0.0025 0.0268 2792922 ARRDC3 -3.3873 0.0025 0.0268 2793143 SOX1 3.3834 0.0028 0.0291		gene_symbols	t	P.Value	adj.P.Val
2769694 -3.6354 0.0014 0.0186 2762621 RPL11 -3.3309 0.0027 0.0287 2765423 SYNE1 3.3302 0.0027 0.0288 27558069 -3.3294 0.0027 0.0288 2757189 PPP2R2A 3.3280 0.0027 0.0288 2794359 CCDC93 3.3275 0.0027 0.0288 278609 H3F3B 3.3265 0.0028 0.0288 2797727 FAMI17B -3.3264 0.0028 0.0288 2791569 B5G1C5_TAEGU 3.3263 0.0028 0.0282 2785708 ENO2 -3.3259 0.0028 0.0292 2789169 B5G1C5_TAEGU 3.3248 0.0028 0.0292 2789143 SOX1 3.3879 0.0028 0.0292 2792922 ARRDC3 -3.3873 0.0025 0.0268 2784089 -3.5525 0.0016 0.0209 2792922 ARRDC3 -3.3873 0.0025 0.0268	2772750	YPEL1	-3.3318	0.0027	0.0287
2762621 RPL11 -3.3309 0.0027 0.0287 2791324 3.3302 0.0027 0.0288 2758069 -3.3294 0.0027 0.0288 2757189 PPP2R2A 3.3280 0.0027 0.0288 2763237 CCDC93 3.3278 0.0027 0.0288 2780609 H3F3B 3.3265 0.0028 0.0288 27917569 B5G1C5_TAEGU 3.3263 0.0028 0.0288 2791569 DACH2 3.3263 0.0028 0.0288 2792695 DACH2 3.3248 0.0028 0.0292 2794095 DACH2 3.3879 0.0025 0.0268 2794096 H3F3B 3.3234 0.0028 0.0292 2792695 DACH2 3.3873 0.0025 0.0268 2794099 -3.5525 0.0016 0.0206 2794292 ARRDC3 -3.3873 0.0025 0.0268 2783411 FNDC3 3.3234 0.0028 0.0291	2759419	DMXL2	-3.3316	0.0027	0.0287
2791324	2769694		-3.6354	0.0014	0.0186
2765423 SYNE1 3.3935 0.0024 0.0267 2758069 -3.3294 0.0027 0.0288 2757189 PPP2R2A 3.3280 0.0027 0.0288 2794359 CCDC93 3.3278 0.0027 0.0288 2780609 H3F3B 3.3265 0.0028 0.028 2791777 FAM117B -3.3264 0.0028 0.0288 2791569 B5G1C5_TAEGU 3.3263 0.0028 0.0282 2785708 ENO2 -3.3259 0.0028 0.0292 27894085 DACH2 3.3248 0.0028 0.0292 2784089 -3.525 0.0016 0.0206 27892922 ARRDC3 -3.3873 0.0025 0.0268 2783411 FNDC3A 3.3234 0.0028 0.0291 2783411 FNDC3A 3.3232 0.0028 0.0291 2787314 STRN3 -3.3217 0.0028 0.0291 2777310 -3.3215 0.0028 0.0291 2778766 CSMD2 -3.3201 0.0028 0.0291	2762621	RPL11	-3.3309	0.0027	0.0287
2758069 -3.3294 0.0027 0.0288 2757189 PPP2R2A 3.3280 0.0027 0.0288 2794359 CCDC93 3.3278 0.0027 0.0288 2766237 CETN3 -3.3275 0.0027 0.0288 2788609 H3F3B 3.3265 0.0028 0.0288 27917569 BSG1C5_TAEGU 3.3263 0.0028 0.0298 2785708 ENO2 -3.3259 0.0028 0.0292 2792695 DACH2 3.3248 0.0028 0.0292 2794089 -3.5525 0.0016 0.0206 2794092 ARRDC3 -3.3873 0.0025 0.0268 2764296 FMNL1 3.3234 0.0028 0.0291 2758886 ZDHHC13 3.3234 0.0028 0.0291 2777310 3.3217 0.0028 0.0291 2777310 3.3217 0.0028 0.0291 2778718 NDUFAF2 -3.5471 0.0017 0.0292 2778718 </td <td>2791324</td> <td></td> <td>3.3302</td> <td>0.0027</td> <td>0.0288</td>	2791324		3.3302	0.0027	0.0288
2757189 PPP2R2A 3.3280 0.0027 0.0285 2794359 CCDC93 3.3278 0.0027 0.0285 2780609 H3F3B 3.3265 0.0028 0.0285 2797727 FAM117B -3.3264 0.0028 0.0285 2791569 B5G1C5_TAEGU 3.3263 0.0028 0.0285 2792695 DACH2 3.3248 0.0028 0.0296 2793143 SOX1 3.3879 0.0025 0.0266 27934489 -3.5525 0.0016 0.0206 2764296 FMNL1 3.3234 0.0028 0.0291 2764296 FMNL1 3.3234 0.0028 0.0291 2758886 ZDHHC13 3.3234 0.0028 0.0291 2783411 FNDC3A 3.3232 0.0028 0.0291 27787325 PPID -3.3217 0.0028 0.0291 27778718 NDUFAF2 -3.3211 0.0028 0.0292 2778718 NDUFAF2 -3.5471 0.0	2765423	SYNE1	3.3935	0.0024	0.0266
2794359 CCDC93 3.3278 0.0027 0.0285 2763237 CETN3 -3.3275 0.0027 0.0288 2780609 H3F3B 3.3265 0.0028 0.0288 2797177 FAMI1TB -3.3264 0.0028 0.0288 2791569 B5G1C5_TAEGU 3.3263 0.0028 0.0292 2792695 DACH2 3.3248 0.0028 0.0292 2793143 SOX1 3.3879 0.0025 0.0268 2784089 -3.5525 0.0016 0.0206 2792922 ARRDC3 -3.3873 0.0025 0.0268 2758886 ZDHHC13 3.3235 0.0028 0.0291 2758881 FNNL1 3.3234 0.0028 0.0291 2778341 FNDC3A 3.3232 0.0028 0.0291 2778341 STRN3 -3.3217 0.0028 0.0291 2778710 -3.3217 0.0028 0.0291 2778718 NDUFAF2 -3.5471 0.0017 0.028	2758069		-3.3294	0.0027	0.0288
2763237 CETN3 -3.3275 0.0027 0.0288 2780609 H3F3B 3.3265 0.0028 0.0288 2797727 FAMI17B -3.3264 0.0028 0.0288 2791569 B5G1C5_TAEGU 3.3263 0.0028 0.0292 2785708 ENO2 -3.3259 0.0028 0.0292 2792695 DACH2 3.3248 0.0028 0.0292 2784089 -3.5525 0.0016 0.0206 2784089 -3.5525 0.0016 0.0206 2764296 FMNL1 3.3235 0.0028 0.0291 2764296 FMNL1 3.3234 0.0028 0.0291 2758886 ZDHHC13 3.3232 0.0028 0.0291 2773141 FRN3 3.3220 0.0028 0.0291 2773142 FRN3 3.3217 0.0028 0.0291 2778718 NDUFAF2 -3.3217 0.0028 0.0292 2778718 NDUFAF2 -3.5471 0.0017 0.0292 </td <td>2757189</td> <td>PPP2R2A</td> <td>3.3280</td> <td>0.0027</td> <td>0.0289</td>	2757189	PPP2R2A	3.3280	0.0027	0.0289
2780609 H3F3B 3.3265 0.0028 0.0288 2797727 FAM117B -3.3264 0.0028 0.0288 2791569 B5G1C5_TAEGU 3.3263 0.0028 0.0282 2785708 ENO2 -3.3259 0.0028 0.0292 2793143 SOX1 3.3879 0.0025 0.0268 2793143 SOX1 3.3879 0.0025 0.0268 2784089 -3.5525 0.0016 0.0206 2764296 FMNL1 3.3233 0.0028 0.0291 2764296 FMNL1 3.3234 0.0028 0.0291 2758886 ZDHHC13 3.3234 0.0028 0.0291 2783411 FNDC3A 3.3232 0.0028 0.0291 2773141 STRN3 -3.3217 0.0028 0.0291 2777310 -3.3217 0.0028 0.0291 27778710 -3.3212 0.0028 0.0291 2778796 CSMD2 -3.3201 0.0028 0.0292 2778718 NDUFAF2 -3.5471 0.0017 0.020	2794359	CCDC93	3.3278	0.0027	0.0289
2797727 FAM117B -3.3264 0.0028 0.0288 2791569 B5G1C5_TAEGU 3.3263 0.0028 0.0286 2785708 ENO2 -3.3259 0.0028 0.0290 2792695 DACH2 3.3248 0.0028 0.0290 2793143 SOX1 3.3879 0.0025 0.0268 2784089 -3.5525 0.0016 0.0206 2792922 ARRDC3 -3.3873 0.0025 0.0268 2764296 FMNL1 3.3234 0.0028 0.0291 2758886 ZDHHC13 3.3234 0.0028 0.0291 2758885 ZDHHC13 3.3232 0.0028 0.0291 2783411 FNDC3A 3.3232 0.0028 0.0291 2783735 PPID -3.3217 0.0028 0.0291 2778710 -3.3217 0.0028 0.0291 2778766 CSMD2 -3.3201 0.0028 0.0292 2778778 NDUFAF2 -3.5471 0.0017 0.028	2763237	CETN3	-3.3275	0.0027	0.0289
2791569 B5G1C5_TAEGU 3.3263 0.0028 0.028 2785708 ENO2 -3.3259 0.0028 0.0290 2792695 DACH2 3.3248 0.0028 0.0290 2783143 SOX1 3.3879 0.0025 0.0268 2784089 -3.5525 0.0016 0.0206 2792922 ARRDC3 -3.3873 0.0025 0.0268 2764296 FMNL1 3.3235 0.0028 0.0291 2758886 ZDHHC13 3.3234 0.0028 0.0291 2778341 FNDC3A 3.3232 0.0028 0.0291 27787141 STRN3 -3.3220 0.0028 0.0291 2777310 -3.3215 0.0028 0.0291 2778718 TPMI 3.3212 0.0028 0.0291 2778718 NDUFAF2 -3.5471 0.0017 0.0208 2785660 NETO1 3.3192 0.0028 0.0292 2771121 3.3180 0.0028 0.0293 2785352 CHAF1A -3.3171 0.0028 0.0293	2780609	H3F3B	3.3265	0.0028	0.0289
2785708 ENO2 -3.3259 0.0028 0.0296 2792695 DACH2 3.3248 0.0028 0.0296 2793143 SOX1 3.3879 0.0025 0.0266 2784089 -3.5525 0.0016 0.0206 2792922 ARRDC3 -3.3873 0.0025 0.0268 2764296 FMNL1 3.3235 0.0028 0.0291 2758886 ZDHHC13 3.3234 0.0028 0.0291 2783411 FNDC3A 3.3220 0.0028 0.0291 27873141 STRN3 -3.3220 0.0028 0.0291 2787326 PPID -3.3215 0.0028 0.0291 2777310 -3.3215 0.0028 0.0291 2778786 CSMD2 -3.3201 0.0028 0.0292 2778718 NDUFAF2 -3.5471 0.0017 0.0208 2793566 NETO1 3.3190 0.0028 0.0293 2785312 EZH1 3.3178 0.0028 0.0293	2797727	FAM117B	-3.3264	0.0028	0.0289
2785708 ENO2 -3.3259 0.0028 0.0296 2792695 DACH2 3.3248 0.0028 0.0296 2793143 SOX1 3.3879 0.0025 0.0268 2784089 -3.5525 0.0016 0.0206 2792922 ARRDC3 -3.3873 0.0025 0.0268 2764296 FMNL1 3.3235 0.0028 0.0291 2758886 ZDHHC13 3.3234 0.0028 0.0291 2783411 FNDC3A 3.3220 0.0028 0.0291 27873141 STRN3 -3.3220 0.0028 0.0291 2787325 PPID -3.3217 0.0028 0.0291 2777310 -3.3215 0.0028 0.0291 2778718 NDUFAF2 -3.5471 0.0028 0.0292 2778718 NDUFAF2 -3.5471 0.0017 0.0208 278566 NETO1 3.3190 0.0028 0.0293 2785312 EZH1 -3.3171 0.0028 0.0293	2791569	B5G1C5 TAEGU	3.3263	0.0028	0.0289
2793143 SOX1 3.3879 0.0025 0.0268 2784089 -3.5525 0.0016 0.0206 2792922 ARRDC3 -3.3873 0.0025 0.0268 2764296 FMNL1 3.3235 0.0028 0.0291 2758886 ZDHHC13 3.3234 0.0028 0.0291 2783411 FNDC3A 3.3232 0.0028 0.0291 2787325 PPID -3.3217 0.0028 0.0291 2778736 TPM1 3.3212 0.0028 0.0291 2778760 CSMD2 -3.3201 0.0028 0.0292 2778718 NDUFAF2 -3.5471 0.0017 0.0208 2793566 NETO1 3.3192 0.0028 0.0292 2771121 3.3180 0.0028 0.0293 2785353 CHAF1A -3.3171 0.0028 0.0293 278556 CSNK1A1 -3.3171 0.0028 0.0293 2785762 AARS2 -3.437 0.0017 0.0208 27866073 FLT1 -3.317 0.0028 0.0293	2785708	ENO2	-3.3259	0.0028	0.0290
2784089 -3.5525 0.0016 0.0206 2792922 ARRDC3 -3.3873 0.0025 0.0268 2764296 FMNL1 3.3235 0.0028 0.0291 2783411 FNDC3A 3.3232 0.0028 0.0291 2783411 FNDC3A 3.3220 0.0028 0.0291 2773141 STRN3 -3.3217 0.0028 0.0291 2777310 -3.3215 0.0028 0.0291 27787736 TPMI 3.3212 0.0028 0.0291 2778718 NDUFAF2 -3.3201 0.0028 0.0292 2778718 NDUFAF2 -3.5471 0.0017 0.0208 2793566 NETO1 3.3192 0.0028 0.0292 2771121 3.3180 0.0028 0.0293 2785353 CHAF1A -3.3173 0.0028 0.0293 278556 CSNK1A1 -3.3171 0.0028 0.0293 278556 CSNK1A1 -3.3171 0.0028 0.0293 2786762 AARS2 -3.5437 0.0017 0.0206	2792695	DACH2	3.3248	0.0028	0.0290
2792922 ARRDC3 -3.3873 0.0025 0.0268 2764296 FMNL1 3.3235 0.0028 0.0291 2758886 ZDHHC13 3.3234 0.0028 0.0291 2783411 FNDC3A 3.3232 0.0028 0.0291 2773141 STRN3 -3.3217 0.0028 0.0291 2787325 PPID -3.3215 0.0028 0.0291 277310 -3.3215 0.0028 0.0291 2763736 TPM1 3.3212 0.0028 0.0292 2778718 NDUFAF2 -3.5471 0.0017 0.0208 2793566 NETO1 3.3192 0.0028 0.0292 2771121 3.3180 0.0028 0.0292 27764481 C4ORF44 3.3178 0.0028 0.0293 2785353 CHAF1A -3.3173 0.0028 0.0293 2785353 CHAF1A -3.3173 0.0028 0.0293 2785353 CHAF1A -3.3171 0.0028 0.0293 2785366 CSNK1A1 3.3167 0.0028 0.0293	2793143	SOX1	3.3879	0.0025	0.0268
2764296 FMNL1 3.3235 0.0028 0.0291 2758886 ZDHHC13 3.3234 0.0028 0.0291 2783411 FNDC3A 3.3232 0.0028 0.0291 2787325 PPID -3.3217 0.0028 0.0291 2763736 TPM1 3.3212 0.0028 0.0291 2778796 CSMD2 -3.3201 0.0028 0.0292 2778718 NDUFAF2 -3.5471 0.0017 0.0208 2793566 NETO1 3.3192 0.0028 0.0292 27781121 3.3180 0.0028 0.0292 27764481 C4ORF44 3.3178 0.0028 0.0293 2785353 CHAF1A -3.3173 0.0028 0.0293 2785372 EZHI -3.3171 0.0028 0.0293 2785373 CSNK1A1 3.3167 0.0028 0.0293 2785744 FREQ 3.3164 0.0028 0.0293 2785666 CSNK1A1 3.3164 0.0028	2784089		-3.5525	0.0016	0.0206
2764296 FMNL1 3.3235 0.0028 0.0291 2758886 ZDHHC13 3.3234 0.0028 0.0291 2783411 FNDC3A 3.3232 0.0028 0.0291 2787325 PPID -3.3217 0.0028 0.0291 2763736 TPM1 3.3212 0.0028 0.0291 2778796 CSMD2 -3.3201 0.0028 0.0292 2778718 NDUFAF2 -3.5471 0.0017 0.0208 2793566 NETO1 3.3192 0.0028 0.0292 27781121 3.3180 0.0028 0.0292 27764481 C4ORF44 3.3178 0.0028 0.0293 2785353 CHAF1A -3.3173 0.0028 0.0293 2785372 EZHI -3.3171 0.0028 0.0293 2785373 CSNK1A1 3.3167 0.0028 0.0293 2785744 FREQ 3.3164 0.0028 0.0293 2785666 CSNK1A1 3.3164 0.0028	2792922	ARRDC3		0.0025	0.0268
2758886 ZDHHC13 3.3234 0.0028 0.0291 2783411 FNDC3A 3.3232 0.0028 0.0291 27773141 STRN3 -3.3220 0.0028 0.0291 2787325 PPID -3.3217 0.0028 0.0291 27763736 TPM1 3.3212 0.0028 0.0291 2778796 CSMD2 -3.3201 0.0028 0.0292 2778718 NDUFAF2 -3.5471 0.0017 0.0202 2768602 3.3190 0.0028 0.0292 2771121 3.3180 0.0028 0.0293 2785353 CHAF1A -3.3173 0.0028 0.0293 2785312 EZH1 -3.3171 0.0028 0.0293 2785353 CHAF1A -3.3171 0.0028 0.0293 2785676 CSNK1A1 3.3167 0.0028 0.0293 27857744 FREQ 3.3164 0.0028 0.0293 27867672 AARS2 -3.5437 0.0017 0.0202 <td>2764296</td> <td></td> <td></td> <td>0.0028</td> <td>0.0291</td>	2764296			0.0028	0.0291
2783411 FNDC3A 3.3232 0.0028 0.0291 27773141 STRN3 -3.3220 0.0028 0.0291 2787325 PPID -3.3217 0.0028 0.0291 27777310 -3.3215 0.0028 0.0291 2778796 CSMD2 -3.3201 0.0028 0.0292 2778718 NDUFAF2 -3.5471 0.0017 0.0292 2778566 NETO1 3.3192 0.0028 0.0292 2771121 3.3180 0.0028 0.0292 2771121 3.3180 0.0028 0.0293 2785353 CHAF1A -3.3173 0.0028 0.0293 2785312 EZH1 -3.3171 0.0028 0.0293 2785312 EZH1 -3.3171 0.0028 0.0293 2785366 CSNK1A1 3.3167 0.0028 0.0293 2785794 FREQ 3.3164 0.0028 0.0293 2785312 EZH1 -3.3171 0.0028 0.0293 27860762 AARS2 -3.5437 0.0017 0.0203	2758886	ZDHHC13	3.3234	0.0028	0.0291
2787325 PPID -3.3217 0.0028 0.0291 2777310 -3.3215 0.0028 0.0291 2763736 TPM1 3.3212 0.0028 0.0291 2778796 CSMD2 -3.3201 0.0028 0.0292 2778718 NDUFAF2 -3.5471 0.0017 0.0208 2793566 NETO1 3.3192 0.0028 0.0292 2768602 3.3190 0.0028 0.0292 2771121 3.3180 0.0028 0.0293 2785353 CHAF1A -3.3173 0.0028 0.0293 2785312 EZH1 -3.3171 0.0028 0.0293 2796762 AARS2 -3.5437 0.0017 0.0203 2796762 AARS2 -3.5437 0.0017 0.0203 2778744 FREQ 3.3164 0.0028 0.0293 2786073 FLT1 -3.3137 0.0028 0.0293 27761073 MGEA5 -3.3125 0.0029 0.0298 2769497 GLP1R -3.3125 0.0029 0.0298 2763	2783411	FNDC3A		0.0028	0.0291
2787325 PPID -3.3217 0.0028 0.0291 2777310 -3.3215 0.0028 0.0291 2763736 TPM1 3.3212 0.0028 0.0292 2778796 CSMD2 -3.3201 0.0028 0.0292 2778718 NDUFAF2 -3.5471 0.0017 0.0208 2793566 NETO1 3.3192 0.0028 0.0292 2768602 3.3190 0.0028 0.0292 2771121 3.3180 0.0028 0.0293 2785353 CHAF1A -3.3173 0.0028 0.0293 2785312 EZH1 -3.3171 0.0028 0.0293 2785312 EZH1 -3.3171 0.0028 0.0293 2786762 AARS2 -3.5437 0.0017 0.0203 27877944 FREQ 3.3164 0.0028 0.0293 2783676 PIM3 3.3164 0.0028 0.0293 2761073 MGEA5 -3.3125 0.0029 0.0296 2763873 SLC36A1 -3.5382 0.0017 0.0216 2763	2773141	STRN3	-3.3220	0.0028	0.0291
2763736 TPM1 3.3212 0.0028 0.0292 2778796 CSMD2 -3.3201 0.0028 0.0292 2778718 NDUFAF2 -3.5471 0.0017 0.0208 2793566 NETO1 3.3192 0.0028 0.0292 2768602 3.3190 0.0028 0.0293 2764481 C4ORF44 3.3178 0.0028 0.0293 2785353 CHAF1A -3.3173 0.0028 0.0293 2785312 EZH1 -3.3171 0.0028 0.0293 2796762 AARS2 -3.5437 0.0017 0.0203 2777944 FREQ 3.3164 0.0028 0.0293 2783676 PIM3 3.3164 0.0028 0.0293 2766073 FLT1 -3.3137 0.0028 0.0293 2769497 GLP1R -3.3125 0.0029 0.0293 2763873 SLC36A1 -3.5382 0.0017 0.0216 2780045 CNOT10 3.3107 0.0029 0.0296 2781811 TBC1D15 -3.3078 0.0029 <td< td=""><td>2787325</td><td>PPID</td><td></td><td>0.0028</td><td>0.0291</td></td<>	2787325	PPID		0.0028	0.0291
2763736 TPM1 3.3212 0.0028 0.0292 2778796 CSMD2 -3.3201 0.0028 0.0292 2778718 NDUFAF2 -3.5471 0.0017 0.0208 2793566 NETO1 3.3192 0.0028 0.0292 2768602 3.3190 0.0028 0.0293 2764481 C4ORF44 3.3178 0.0028 0.0293 2785353 CHAF1A -3.3173 0.0028 0.0293 2785312 EZH1 -3.3171 0.0028 0.0293 2796762 AARS2 -3.5437 0.0017 0.0203 2777944 FREQ 3.3164 0.0028 0.0293 2783676 PIM3 3.3164 0.0028 0.0293 2766073 FLT1 -3.3137 0.0028 0.0293 2769497 GLP1R -3.3125 0.0029 0.0293 2763873 SLC36A1 -3.5382 0.0017 0.0216 2780045 CNOT10 3.3107 0.0029 0.0296 2781811 TBC1D15 -3.3078 0.0029 <td< td=""><td>2777310</td><td></td><td>-3.3215</td><td>0.0028</td><td>0.0291</td></td<>	2777310		-3.3215	0.0028	0.0291
2778718 NDUFAF2 -3.5471 0.0017 0.0208 2793566 NETO1 3.3192 0.0028 0.0292 2768602 3.3190 0.0028 0.0292 2771121 3.3180 0.0028 0.0293 2764481 C4ORF44 3.3178 0.0028 0.0293 2785353 CHAF1A -3.3173 0.0028 0.0293 2785512 EZH1 -3.3171 0.0028 0.0293 2798556 CSNK1A1 3.3167 0.0028 0.0293 2796762 AARS2 -3.5437 0.0017 0.0208 2777944 FREQ 3.3164 0.0028 0.0293 2783676 PIM3 3.3164 0.0028 0.0293 276073 FLT1 -3.3137 0.0028 0.0293 2761073 MGEA5 -3.3125 0.0029 0.0293 2763873 SLC36A1 -3.5382 0.0017 0.0210 2776232 WDTC1 3.3115 0.0029 0.0296 2759555 ADPRHL2 -3.3084 0.0029 0.0298 <td></td> <td>TPM1</td> <td>3.3212</td> <td>0.0028</td> <td>0.0291</td>		TPM1	3.3212	0.0028	0.0291
2793566 NETO1 3.3192 0.0028 0.0292 2768602 3.3190 0.0028 0.0292 2771121 3.3180 0.0028 0.0293 2764481 C4ORF44 3.3178 0.0028 0.0293 2785353 CHAF1A -3.3173 0.0028 0.0293 2785312 EZH1 -3.3171 0.0028 0.0293 2798556 CSNK1A1 3.3167 0.0028 0.0293 2796762 AARS2 -3.5437 0.0017 0.0208 2777944 FREQ 3.3164 0.0028 0.0293 2786676 PIM3 3.3164 0.0028 0.0293 27677758 ODC1 3.3127 0.0029 0.0293 2769497 GLP1R -3.3125 0.0029 0.0293 2763873 SLC36A1 -3.5382 0.0017 0.0210 2780045 CNOT10 3.3107 0.0029 0.0296 2781811 TBC1D15 -3.3078 0.0029 0.0298 2781811 TBC1D15 -3.3076 0.0029 0.0298 </td <td>2778796</td> <td>CSMD2</td> <td>-3.3201</td> <td>0.0028</td> <td>0.0292</td>	2778796	CSMD2	-3.3201	0.0028	0.0292
2768602 3.3190 0.0028 0.0292 2771121 3.3180 0.0028 0.0293 2764481 C4ORF44 3.3178 0.0028 0.0293 2785353 CHAF1A -3.3173 0.0028 0.0293 2785312 EZH1 -3.3171 0.0028 0.0293 2798556 CSNK1A1 3.3167 0.0028 0.0293 2796762 AARS2 -3.5437 0.0017 0.0209 2777944 FREQ 3.3164 0.0028 0.0293 2783676 PIM3 3.3164 0.0028 0.0293 2766073 FLT1 -3.3137 0.0028 0.0293 2761073 MGEA5 -3.3125 0.0029 0.0293 2769497 GLP1R -3.3120 0.0029 0.0296 2763873 SLC36A1 -3.5382 0.0017 0.0210 2776232 WDTC1 3.3115 0.0029 0.0296 2759555 ADPRHL2 -3.3084 0.0029 0.0298 277445 SHF -3.3078 0.0029 0.0298	2778718	NDUFAF2	-3.5471	0.0017	0.0208
2771121 3.3180 0.0028 0.0293 2764481 C4ORF44 3.3178 0.0028 0.0293 2785353 CHAF1A -3.3173 0.0028 0.0293 2785312 EZH1 -3.3171 0.0028 0.0293 2798556 CSNK1A1 3.3167 0.0028 0.0293 2796762 AARS2 -3.5437 0.0017 0.0209 2777944 FREQ 3.3164 0.0028 0.0293 2783676 PIM3 3.3164 0.0028 0.0293 2766073 FLT1 -3.3137 0.0028 0.0293 2761073 MGEA5 -3.3125 0.0029 0.0295 2769497 GLP1R -3.3120 0.0029 0.0296 2763873 SLC36A1 -3.5382 0.0017 0.0210 2780045 CNOT10 3.3107 0.0029 0.0296 2781811 TBC1D15 -3.3079 0.0029 0.0298 2794417 MAP3K3 -3.3076 0.0029 0.0298 2763172 DGKI 3.3062 0.0029 <t< td=""><td>2793566</td><td>NETO1</td><td>3.3192</td><td>0.0028</td><td>0.0292</td></t<>	2793566	NETO1	3.3192	0.0028	0.0292
2764481 C4ORF44 3.3178 0.0028 0.0293 2785353 CHAF1A -3.3173 0.0028 0.0293 2785312 EZH1 -3.3171 0.0028 0.0293 2798556 CSNK1A1 3.3167 0.0028 0.0293 2796762 AARS2 -3.5437 0.0017 0.0208 2777944 FREQ 3.3164 0.0028 0.0293 2783676 PIM3 3.3164 0.0028 0.0293 2766073 FLT1 -3.3137 0.0028 0.0293 2761073 MGEA5 -3.3125 0.0029 0.0293 2769497 GLP1R -3.3120 0.0029 0.0296 2763873 SLC36A1 -3.5382 0.0017 0.0210 2776232 WDTC1 3.3115 0.0029 0.0296 2759555 ADPRHL2 -3.3084 0.0029 0.0298 2781811 TBC1D15 -3.3078 0.0029 0.0298 276293 -3.3076 0.0029 0.0298 2763172 DGKI 3.3062 0.0029 <t< td=""><td>2768602</td><td></td><td>3.3190</td><td>0.0028</td><td>0.0292</td></t<>	2768602		3.3190	0.0028	0.0292
2785353 CHAF1A -3.3173 0.0028 0.0293 2785312 EZH1 -3.3171 0.0028 0.0293 2798556 CSNK1A1 3.3167 0.0028 0.0293 2796762 AARS2 -3.5437 0.0017 0.0209 2777944 FREQ 3.3164 0.0028 0.0293 2783676 PIM3 3.3164 0.0028 0.0293 2766073 FLT1 -3.3137 0.0028 0.0293 2761073 MGEA5 -3.3125 0.0029 0.0293 2769497 GLP1R -3.3120 0.0029 0.0296 2763873 SLC36A1 -3.5382 0.0017 0.0210 2776232 WDTC1 3.3115 0.0029 0.0296 2789045 CNOT10 3.3107 0.0029 0.0296 2781811 TBC1D15 -3.3084 0.0029 0.0298 2781811 TBC1D15 -3.3078 0.0029 0.0298 276293 -3.3071 0.0029 0.0298 2763172 DGKI 3.3062 0.0029 <td< td=""><td>2771121</td><td></td><td>3.3180</td><td>0.0028</td><td>0.0293</td></td<>	2771121		3.3180	0.0028	0.0293
2785312 EZH1 -3.3171 0.0028 0.0293 2798556 CSNK1A1 3.3167 0.0028 0.0293 2796762 AARS2 -3.5437 0.0017 0.0208 2777944 FREQ 3.3164 0.0028 0.0293 2783676 PIM3 3.3164 0.0028 0.0293 2766073 FLT1 -3.3137 0.0028 0.0295 2777758 ODC1 3.3127 0.0029 0.0295 2761073 MGEA5 -3.3125 0.0029 0.0295 2763873 SLC36A1 -3.5382 0.0017 0.0210 2776232 WDTC1 3.3115 0.0029 0.0296 2789045 CNOT10 3.3107 0.0029 0.0296 2759555 ADPRHL2 -3.3084 0.0029 0.0298 2781811 TBC1D15 -3.3078 0.0029 0.0298 2787447 MAP3K3 -3.3076 0.0029 0.0298 2763172 DGKI 3.3062 0.0029 0.0298 2763172 DGKI 3.3062 0.0	2764481	C4ORF44	3.3178	0.0028	0.0293
2798556 CSNK1A1 3.3167 0.0028 0.0293 2796762 AARS2 -3.5437 0.0017 0.0208 2777944 FREQ 3.3164 0.0028 0.0293 2783676 PIM3 3.3164 0.0028 0.0293 2766073 FLT1 -3.3137 0.0028 0.0295 2777758 ODC1 3.3127 0.0029 0.0295 2761073 MGEA5 -3.3125 0.0029 0.0295 2769497 GLP1R -3.3120 0.0029 0.0296 2763873 SLC36A1 -3.5382 0.0017 0.0210 2776232 WDTC1 3.3115 0.0029 0.0296 2789045 CNOT10 3.3107 0.0029 0.0296 2759555 ADPRHL2 -3.3084 0.0029 0.0298 2781811 TBC1D15 -3.3078 0.0029 0.0298 2767293 -3.3071 0.0029 0.0298 2763172 DGKI 3.3062 0.0029 0.0298 2799448 TAGLN2 3.3062 0.0029	2785353	CHAF1A	-3.3173	0.0028	0.0293
2796762 AARS2 -3.5437 0.0017 0.0209 27777944 FREQ 3.3164 0.0028 0.0293 2783676 PIM3 3.3164 0.0028 0.0293 2766073 FLT1 -3.3137 0.0028 0.0295 2777758 ODC1 3.3127 0.0029 0.0295 2761073 MGEA5 -3.3125 0.0029 0.0295 2769497 GLP1R -3.3120 0.0029 0.0296 2763873 SLC36A1 -3.5382 0.0017 0.0216 2776232 WDTC1 3.3115 0.0029 0.0296 2789045 CNOT10 3.3107 0.0029 0.0296 2759555 ADPRHL2 -3.3084 0.0029 0.0298 277435 SHF -3.3079 0.0029 0.0298 2781811 TBC1D15 -3.3078 0.0029 0.0298 2767293 -3.3071 0.0029 0.0298 2763172 DGKI 3.3062 0.0029 0.0298 2799448 TAGLN2 3.3062 0.0029 0.0	2785312	EZH1	-3.3171	0.0028	0.0293
2777944 FREQ 3.3164 0.0028 0.0293 2783676 PIM3 3.3164 0.0028 0.0293 2766073 FLT1 -3.3137 0.0028 0.0295 2777758 ODC1 3.3127 0.0029 0.0295 2761073 MGEA5 -3.3125 0.0029 0.0295 2769497 GLP1R -3.3120 0.0029 0.0296 2763873 SLC36A1 -3.5382 0.0017 0.0210 2776232 WDTC1 3.3115 0.0029 0.0296 2780045 CNOT10 3.3107 0.0029 0.0296 2759555 ADPRHL2 -3.3084 0.0029 0.0298 27781811 TBC1D15 -3.3078 0.0029 0.0298 2794417 MAP3K3 -3.3076 0.0029 0.0298 2763172 DGKI 3.3062 0.0029 0.0298 2799448 TAGLN2 3.3062 0.0029 0.0298	2798556	CSNK1A1	3.3167	0.0028	0.0293
2783676 PIM3 3.3164 0.0028 0.0298 2766073 FLT1 -3.3137 0.0028 0.0298 2777758 ODC1 3.3127 0.0029 0.0298 2761073 MGEA5 -3.3125 0.0029 0.0298 2769497 GLP1R -3.3120 0.0029 0.0296 2763873 SLC36A1 -3.5382 0.0017 0.0210 2776232 WDTC1 3.3115 0.0029 0.0296 2780045 CNOT10 3.3107 0.0029 0.0296 2759555 ADPRHL2 -3.3084 0.0029 0.0298 2781811 TBC1D15 -3.3078 0.0029 0.0298 2794417 MAP3K3 -3.3076 0.0029 0.0298 2763172 DGKI 3.3062 0.0029 0.0298 2799448 TAGLN2 3.3062 0.0029 0.0298	2796762	AARS2	-3.5437	0.0017	0.0209
2766073 FLT1 -3.3137 0.0028 0.0295 2777758 ODC1 3.3127 0.0029 0.0295 2761073 MGEA5 -3.3125 0.0029 0.0295 2769497 GLP1R -3.3120 0.0029 0.0296 2763873 SLC36A1 -3.5382 0.0017 0.0210 2776232 WDTC1 3.3115 0.0029 0.0296 2780045 CNOT10 3.3107 0.0029 0.0296 2759555 ADPRHL2 -3.3084 0.0029 0.0298 2777435 SHF -3.3079 0.0029 0.0298 2781811 TBC1D15 -3.3078 0.0029 0.0298 2794417 MAP3K3 -3.3076 0.0029 0.0298 2763172 DGKI 3.3062 0.0029 0.0298 2799448 TAGLN2 3.3062 0.0029 0.0298	2777944	FREQ	3.3164	0.0028	0.0293
2777758 ODC1 3.3127 0.0029 0.0298 2761073 MGEA5 -3.3125 0.0029 0.0298 2769497 GLP1R -3.3120 0.0029 0.0296 2763873 SLC36A1 -3.5382 0.0017 0.0210 2776232 WDTC1 3.3115 0.0029 0.0296 2780045 CNOT10 3.3107 0.0029 0.0296 2759555 ADPRHL2 -3.3084 0.0029 0.0298 2777435 SHF -3.3079 0.0029 0.0298 2781811 TBC1D15 -3.3078 0.0029 0.0298 2767293 -3.3076 0.0029 0.0298 2763172 DGKI 3.3062 0.0029 0.0298 2799448 TAGLN2 3.3062 0.0029 0.0298	2783676	PIM3	3.3164	0.0028	0.0293
2761073 MGEA5 -3.3125 0.0029 0.0296 2769497 GLP1R -3.3120 0.0029 0.0296 2763873 SLC36A1 -3.5382 0.0017 0.0216 2776232 WDTC1 3.3115 0.0029 0.0296 2780045 CNOT10 3.3107 0.0029 0.0296 2759555 ADPRHL2 -3.3084 0.0029 0.0298 2777435 SHF -3.3079 0.0029 0.0298 2781811 TBC1D15 -3.3078 0.0029 0.0298 2794417 MAP3K3 -3.3076 0.0029 0.0298 2763172 DGKI 3.3062 0.0029 0.0298 2799448 TAGLN2 3.3062 0.0029 0.0298	2766073	FLT1	-3.3137	0.0028	0.0295
2769497 GLP1R -3.3120 0.0029 0.0296 2763873 SLC36A1 -3.5382 0.0017 0.0216 2776232 WDTC1 3.3115 0.0029 0.0296 2780045 CNOT10 3.3107 0.0029 0.0296 2759555 ADPRHL2 -3.3084 0.0029 0.0298 2777435 SHF -3.3079 0.0029 0.0298 2781811 TBC1D15 -3.3078 0.0029 0.0298 2794417 MAP3K3 -3.3076 0.0029 0.0298 2767293 -3.3071 0.0029 0.0298 2763172 DGKI 3.3062 0.0029 0.0298 2799448 TAGLN2 3.3062 0.0029 0.0298	2777758	ODC1	3.3127	0.0029	0.0295
2763873 SLC36A1 -3.5382 0.0017 0.0210 2776232 WDTC1 3.3115 0.0029 0.0296 2780045 CNOT10 3.3107 0.0029 0.0296 2759555 ADPRHL2 -3.3084 0.0029 0.0298 2777435 SHF -3.3079 0.0029 0.0298 2781811 TBC1D15 -3.3078 0.0029 0.0298 2794417 MAP3K3 -3.3076 0.0029 0.0298 2767293 -3.3071 0.0029 0.0298 2763172 DGKI 3.3062 0.0029 0.0298 2799448 TAGLN2 3.3062 0.0029 0.0298	2761073	MGEA5	-3.3125	0.0029	0.0295
2776232 WDTC1 3.3115 0.0029 0.0296 2780045 CNOT10 3.3107 0.0029 0.0296 2759555 ADPRHL2 -3.3084 0.0029 0.0298 2777435 SHF -3.3079 0.0029 0.0298 2781811 TBC1D15 -3.3078 0.0029 0.0298 2794417 MAP3K3 -3.3076 0.0029 0.0298 2767293 -3.3071 0.0029 0.0298 2763172 DGKI 3.3062 0.0029 0.0298 2799448 TAGLN2 3.3062 0.0029 0.0298	2769497	GLP1R	-3.3120	0.0029	0.0296
2780045 CNOT10 3.3107 0.0029 0.0296 2759555 ADPRHL2 -3.3084 0.0029 0.0298 2777435 SHF -3.3079 0.0029 0.0298 2781811 TBC1D15 -3.3078 0.0029 0.0298 2794417 MAP3K3 -3.3076 0.0029 0.0298 2767293 -3.3071 0.0029 0.0298 2763172 DGKI 3.3062 0.0029 0.0298 2799448 TAGLN2 3.3062 0.0029 0.0298	2763873	SLC36A1	-3.5382	0.0017	0.0210
2759555 ADPRHL2 -3.3084 0.0029 0.0298 2777435 SHF -3.3079 0.0029 0.0298 2781811 TBC1D15 -3.3078 0.0029 0.0298 2794417 MAP3K3 -3.3076 0.0029 0.0298 2767293 -3.3071 0.0029 0.0298 2763172 DGKI 3.3062 0.0029 0.0298 2799448 TAGLN2 3.3062 0.0029 0.0298	2776232	WDTC1	3.3115	0.0029	0.0296
2777435 SHF -3.3079 0.0029 0.0298 2781811 TBC1D15 -3.3078 0.0029 0.0298 2794417 MAP3K3 -3.3076 0.0029 0.0298 2767293 -3.3071 0.0029 0.0298 2763172 DGKI 3.3062 0.0029 0.0298 2799448 TAGLN2 3.3062 0.0029 0.0298	2780045	CNOT10	3.3107	0.0029	0.0296
2781811 TBC1D15 -3.3078 0.0029 0.0298 2794417 MAP3K3 -3.3076 0.0029 0.0298 2767293 -3.3071 0.0029 0.0298 2763172 DGKI 3.3062 0.0029 0.0298 2799448 TAGLN2 3.3062 0.0029 0.0298	2759555	ADPRHL2		0.0029	0.0298
2794417 MAP3K3 -3.3076 0.0029 0.0298 2767293 -3.3071 0.0029 0.0298 2763172 DGKI 3.3062 0.0029 0.0298 2799448 TAGLN2 3.3062 0.0029 0.0298	2777435	SHF	-3.3079	0.0029	0.0298
2794417 MAP3K3 -3.3076 0.0029 0.0298 2767293 -3.3071 0.0029 0.0298 2763172 DGKI 3.3062 0.0029 0.0298 2799448 TAGLN2 3.3062 0.0029 0.0298	2781811	TBC1D15	-3.3078	0.0029	0.0298
2767293 -3.3071 0.0029 0.0298 2763172 DGKI 3.3062 0.0029 0.0298 2799448 TAGLN2 3.3062 0.0029 0.0298	2794417		-3.3076	0.0029	0.0298
2799448 TAGLN2 3.3062 0.0029 0.0299	2767293		-3.3071	0.0029	0.0298
	2763172	DGKI	3.3062	0.0029	0.0299
2771796 JHDM1D 3.3058 0.0029 0.0299	2799448	TAGLN2	3.3062	0.0029	0.0299
	2771796	JHDM1D	3.3058	0.0029	0.0299

	gene_symbols	t	P.Value	adj.P.Val
2765177	CEBPE	-3.3057	0.0029	0.0299
2790232	BCL9L	-3.3675	0.0026	0.0277
2797564	FMNL1	3.3036	0.0029	0.0300
2787539	TSKU	-3.3034	0.0029	0.0300
2763031	STIM2	-3.3033	0.0029	0.0300
2799350	NARG1	3.3018	0.0029	0.0301
2778218	BRD3	-3.3015	0.0029	0.0301
2764144		3.3014	0.0029	0.0301
2787069	FNDC5	-3.3013	0.0029	0.0301
2767709		-3.3009	0.0029	0.0301
2783541		3.4355	0.0023	0.0256
2764261	ROCK2	3.2998	0.0029	0.0301
2779398	CRY1	3.2997	0.0029	0.0301
2793179	LYRM7	-3.2989	0.0029	0.0302
2759786	ACTR2	3.2987	0.0030	0.0302
2773179	EIF3I	3.2976	0.0030	0.0302
2799169	R3HDM1	3.2965	0.0030	0.0303
2797938	RABL2B	3.3569	0.0027	0.0283
2794735		-3.2947	0.0030	0.0304
2778352	SGK3	-3.2929	0.0030	0.0305
2784491	2 3:23	-3.2925	0.0030	0.0305
2779084	ANKRD10	-3.2912	0.0030	0.0306
2773230	SIRT6	-3.5117	0.0018	0.0220
2799079	PLCL2	-3.2870	0.0030	0.0309
2760139	TEX9	3.5078	0.0018	0.0221
2792844	SLC6A1	-3.2846	0.0031	0.0311
2780351	MYO5A	3.2840	0.0031	0.0311
2773310	CHSY1	3.2828	0.0031	0.0312
2778479	C1ORF149	-3.2822	0.0031	0.0312
2780648	010101110	-3.2785	0.0031	0.0315
2766219	B3GNT1	3.2782	0.0031	0.0315
2794974	SYMENSTGUG00000010312	-3.2778	0.0031	0.0315
2792134	DBC1	3.2775	0.0031	0.0315
2784528	GARS	3.2771	0.0031	0.0315
2785047	C14ORF23	3.3376	0.0028	0.0291
2775381	ODC1	3.2754	0.0031	0.0316
2783403	HNRPDL	3.2753	0.0031	0.0316
2790789	CHST1	3.2747	0.0031	0.0316
2764607	FOXP2	-3.2743	0.0031	0.0317
2782102	MRPL38	-3.2739	0.0031	0.0317
2787369	Wift Ego	-3.2734	0.0031	0.0317
2794770	BTF3L4	3.2734	0.0031	0.0317
2760361	ANKMY2	3.2717	0.0031	0.0318
2759871	BACH1	3.2708	0.0032	0.0318
2783993	CSDC2	-3.2689	0.0032	0.0310
2768142	FEZ2	-3.4869	0.0032	0.0320 0.0230
2786254	r EZZ	-3.2664	0.0019 0.0032	0.0230 0.0321
2793069	CUGBP2	3.2664	0.0032 0.0032	0.0321 0.0321
2790460	WTAP	-3.2647	0.0032 0.0032	0.0321 0.0322
2774037	SETBP1	-3.2647 3.2643	0.0032 0.0032	0.0322 0.0323
2771197	OE IDI I	$\frac{3.2643}{3.2638}$	0.0032 0.0032	0.0323 0.0323
2774725		-3.2624	0.0032	0.0324

	, ,		DILL	1. D. I. 1
	gene_symbols	t	P.Value	adj.P.Val
2785648	STAT5B	-3.2615	0.0032	0.0324
2780643	DIMT1L	3.2614	0.0032	0.0324
2799370	TP53INP1	-3.2608	0.0032	0.0324
2784495	ROD1	-3.4798	0.0020	0.0232
2783331	PI15	-3.2603	0.0032	0.0325
2758499	CPEB3	-3.2596	0.0032	0.0325
2783124	ZBTB44	-3.3197	0.0029	0.0299
2779158	ZDHHC13	3.2586	0.0033	0.0326
2774300	CTCF	-3.2583	0.0033	0.0326
2762221		-3.3171	0.0029	0.0301
2787979		-3.2563	0.0033	0.0327
2758410	RTN4RL1	3.2561	0.0033	0.0327
2763376	OPRL1	-3.2554	0.0033	0.0328
2799048	CNNM1	-3.2551	0.0033	0.0328
2773756	MAPK8IP1	3.2529	0.0033	0.0329
2767199	B3GNT1	3.2528	0.0033	0.0329
2798022	HMG20A	-3.2515	0.0033	0.0330
2779037	111/1/02/011	3.2515	0.0033	0.0330
2790176	NAT8L	-3.2483	0.0033	0.0332
2776014	WHICE	3.2482	0.0033	0.0332
2761055	SOD1	-3.2479	0.0033	0.0332 0.0332
2764690	TERF2	-3.2479 -3.2477	0.0033	0.0332 0.0332
2790661	LOC416926	-3.2466	0.0033 0.0034	0.0332 0.0333
2785066	NUMB	-3.3063	0.0034 0.0030	0.0336
2781150	CACNG3	3.2443	0.0030 0.0034	0.0300 0.0335
2794290	PLDN	3.2443 3.2433	0.0034 0.0034	
	SLC6A8		0.0034 0.0034	0.0335
2757228	PTP4A3	-3.2429		0.0335
2792118		3.2426	0.0034	0.0335
2757392	HYOU1	3.2425	0.0034	0.0335
2761506	FOXP2	-3.2418	0.0034	0.0336
2796126	ZMAT4	-3.2405	0.0034	0.0337
2792791	BZW2	3.2399	0.0034	0.0337
2759115	NOL6	3.2395	0.0034	0.0337
2771377	ZFHX4	-3.2392	0.0034	0.0337
2763878	SMAP1	3.2383	0.0034	0.0338
2786696	CHST1	3.2960	0.0031	0.0313
2799342	SYMENSTGUG00000017777	-3.2366	0.0034	0.0339
2773467		-3.4512	0.0021	0.0243
2785073	BRCC3	-3.4506	0.0021	0.0243
2791257	CCT5	3.2349	0.0035	0.0340
2758174	C6ORF129	-3.2346	0.0035	0.0340
2784714	TAGLN2	3.2345	0.0035	0.0340
2770588	CDV3	3.3624	0.0027	0.0288
2785395		-3.2338	0.0035	0.0340
2777199		-3.2328	0.0035	0.0341
2775488	AIG1	-3.2327	0.0035	0.0341
2758702	CD164	3.2315	0.0035	0.0342
2793517	EIF2B3	3.2306	0.0035	0.0342
2782636	ACTG1	3.2299	0.0035	0.0343
2772326	AZI2	-3.2289	0.0035	0.0343
2760639	C7ORF30	-3.2279	0.0035	0.0344
2758024	ARPC2	3.2279	0.0035	0.0344
		•		

	gene_symbols	t	P.Value	adj.P.Val
2796488	MOSPD2	-3.2261	0.0035	0.0345
2782988	TXN2	-3.4399	0.0022	0.0248
2777579	RPRD1B	-3.2253	0.0035	0.0345
2791405	SRP72	3.2249	0.0035	0.0346
2776127	ATXN2	3.2245	0.0035	0.0346
2769917	C17ORF59	-3.2242	0.0035	0.0346
2780802	PLXNA1	-3.2235	0.0035	0.0346
2781125	DEGS1	3.2233	0.0035	0.0346
2795257	UGCGL1	3.2221	0.0036	0.0347
2772353	FLCN	-3.2805	0.0032	0.0322
2782000	ZSWIM6	3.2214	0.0036	0.0347
2772891	CREG2	-3.2207	0.0036	0.0348
2786010		3.2204	0.0036	0.0348
2763437	PLXNA1	-3.2204	0.0036	0.0348
2760870	LONRF2	3.2200	0.0036	0.0348
2798957	COL23A1	-3.2198	0.0036	0.0348
2798865	ARPC2	-3.2189	0.0036	0.0348
2783786	SENP6	3.2182	0.0036	0.0349
2767899	NDUFS5	-3.4309	0.0022	0.0251
2776786	HTR1D	3.2174	0.0036	0.0349
2796161		-3.2170	0.0036	0.0350
2790615	PPP2R2B	-3.2164	0.0036	0.0350
2780537	LINGO2	-3.2160	0.0036	0.0350
2797782	CTDP1	-3.4275	0.0022	0.0252
2766642	STARD5	3.2140	0.0036	0.0352
2772687	SAFB-1	3.2138	0.0036	0.0352
2765171	JAK2	-3.4237	0.0023	0.0254
2785222	PPM1G	3.2101	0.0037	0.0355
2781305	HS6ST1	3.2084	0.0037	0.0356
2781289		3.2074	0.0037	0.0357
2786650	UAP1	3.2647	0.0033	0.0331
2795174	TMEM121	-3.2060	0.0037	0.0358
2777299	SEC24B	-3.2057	0.0037	0.0358
2790220	EBAG9	3.2052	0.0037	0.0358
2765290	KCNJ3	-3.2047	0.0037	0.0358
2769398	RNF217	3.2047	0.0037	0.0358
2789529	LHFPL4	-3.2023	0.0037	0.0360
2782911	EHMT1	-3.2007	0.0038	0.0361
2778672	SKI	3.2002	0.0038	0.0361
2793781		-3.1998	0.0038	0.0362
2761481	WDR3	3.1995	0.0038	0.0362
2757340	= 200	-3.1986	0.0038	0.0362
2767464	DEK	-3.1974	0.0038	0.0363
2768128		-3.1973	0.0038	0.0363
2789302	LFNG	3.2541	0.0034	0.0337
2762897	CSMD2	-3.4067	0.0024	0.0260
2787667	- :- -: -	3.1961	0.0038	0.0364
2758766	MEX3B	-3.1955	0.0038	0.0364
2777770	VTI1A	-3.4054	0.0024	0.0261
2797058	PARD6A	3.1951	0.0038	0.0365
2780915	SKI	3.1944	0.0038	0.0365
2782875	ZBTB1	-3.1944	0.0038	0.0365
,		0.1011	0.0000	0.0000

2792823 PSPC1 3.1941 0.0038 0.0365 2764624 CYB5R -3.1931 0.0038 0.0365 2782066 MARK1 3.1929 0.0038 0.0365 2781548 ALDH5A1 -3.1914 0.0038 0.0367 27676726 -3.1911 0.0038 0.0367 2763647 PTP4A2 3.1906 0.0038 0.0367 2763683 CCDC58 3.1890 0.0039 0.0367 2777505 NAP1L1 3.1894 0.0039 0.0367 27775935 PKIA -3.1894 0.0039 0.0367 27758653 TARS 3.1889 0.0039 0.0369 2758653 TARS 3.1880 0.0039 0.0369 2778856 TANC2 3.1867 0.0039 0.0369 2778841 NT2 -3.1866 0.0039 0.0369 2778841 NT2 -3.1866 0.0039 0.0369 2778856 TANC2 3.1866 0.0039 <		gene_symbols	t	P.Value	adj.P.Val
2764624 CYB5R -3.1931 0.0038 0.0365 2782066 MARKI 3.1929 0.0038 0.0365 2781548 ALDH5A1 -3.1914 0.0038 0.0367 2767726 -3.1911 0.0038 0.0367 2763647 PTP4A2 3.1906 0.0038 0.0367 2776555 JARID2 3.1900 0.0039 0.0367 2763683 CCDC58 3.1897 0.0039 0.0367 2777506 NAPILI 3.1894 0.0039 0.0367 2776935 PKIA -3.1894 0.0039 0.0367 2775865 TARS 3.1894 0.0039 0.0369 2785355 TARS 3.1869 0.0039 0.0369 2778856 TANC2 3.1869 0.0039 0.0369 277857 JHDM1D 3.1859 0.0039 0.0369 277877 JHDM1D 3.1859 0.0039 0.0369 2785406 GARS 3.1850 0.0039 <t< td=""><td>2758937</td><td>NDRG4</td><td>-3.2519</td><td>0.0034</td><td>0.0338</td></t<>	2758937	NDRG4	-3.2519	0.0034	0.0338
2782066 MARK1 3.1929 0.0038 0.0365 2781548 ALDH5A1 -3.1914 0.0038 0.0367 2767726 -3.1911 0.0038 0.0367 2763647 PTP4A2 3.1900 0.0039 0.0367 2772655 JARID2 3.1900 0.0039 0.0367 2776565 JARID2 3.1990 0.0039 0.0367 2777550 NAPIL1 3.1887 0.0039 0.0367 2791272 FZR1 -3.1894 0.0039 0.0367 27768653 PKIA -3.18893 0.0039 0.0369 27786553 PKIA -3.1880 0.0039 0.0369 2785655 TARS 3.1860 0.0039 0.0369 2785875 SGK3 -3.1867 0.0039 0.0369 2778841 NT2 -3.1867 0.0039 0.0369 2778877 SLC8A3 -3.1867 0.0039 0.0369 278570 SLC8A3 -3.3939 0.0024 0.0266 278510 KCTD1 -3.1835 0.0039 0	2792823	PSPC1	3.1941	0.0038	0.0365
2781548 ALDH5A1 -3.1914 0.0038 0.0367 2767726 -3.1911 0.0038 0.0367 2763647 PTP4A2 3.1906 0.0038 0.0367 27772655 JARID2 3.1900 0.0039 0.0367 2763683 CCDC58 3.1897 0.0039 0.0367 2777506 NAPILI 3.1896 0.0039 0.0367 2776935 PKIA -3.1894 0.0039 0.0367 2776655 PKIA -3.1893 0.0039 0.0367 27758653 TARS 3.1880 0.0039 0.0369 27785355 SGK3 -3.1871 0.0039 0.0369 2778841 NIT2 -3.1866 0.0039 0.0369 2778842 LIF3I 3.1859 0.0039 0.0369 2778843 NEEF3I 3.1859 0.0039 0.0369 2778844 NIT2 -3.1839 0.0024 0.0266 2785106 GARS 3.1850 0.0039	2764624	CYB5R	-3.1931	0.0038	0.0365
2767726 -3.1911 0.0038 0.0367 2763647 PTP4A2 3.1906 0.0038 0.0367 2762655 JARID2 3.1900 0.0039 0.0367 2763683 CCDC58 3.1897 0.0039 0.0367 2777506 NAP1L1 3.1894 0.0039 0.0367 2776935 PKIA -3.1894 0.0039 0.0367 27758653 TARS 3.1880 0.0039 0.0369 27785555 SGK3 -3.1871 0.0039 0.0369 27788565 TANC2 3.1860 0.0039 0.0369 2778857 TANC2 3.1860 0.0039 0.0369 2778841 NIT2 -3.1866 0.0039 0.0369 2778842 IFISI 3.1859 0.0039 0.0369 2778843 ISIS 3.1859 0.0039 0.0369 2785406 GARS 3.1850 0.0039 0.0370 2785304 FMN2 -3.1835 0.0039 <td< td=""><td>2782066</td><td>MARK1</td><td>3.1929</td><td>0.0038</td><td>0.0365</td></td<>	2782066	MARK1	3.1929	0.0038	0.0365
2763647 PTP4A2 3.1906 0.0038 0.0367 2772655 JARID2 3.1900 0.0039 0.0367 2763683 CCDC58 3.1897 0.0039 0.0367 2777506 NAP1L1 3.1896 0.0039 0.0367 2776365 NAP1L1 3.1894 0.0039 0.0367 2778653 PKIA 3.1893 0.0039 0.0368 2758653 TARS 3.1880 0.0039 0.0368 2785655 TARS 3.1869 0.0039 0.0369 2778841 NT2 3.1867 0.0039 0.0369 2778484 NIT2 3.1867 0.0039 0.0369 2778777 JHDMID 3.1859 0.0039 0.0369 2785406 GARS 3.1850 0.0039 0.0369 2785410 KCTD1 3.1839 0.0024 0.0268 2785110 KCTD1 3.1839 0.0039 0.0370 2785131 KCTD1 3.1839 0.0039	2781548	ALDH5A1	-3.1914	0.0038	0.0367
2772655 JARID2 3.1900 0.0039 0.0367 2763683 CCDC58 3.1897 0.0039 0.0367 2777506 NAP1L1 3.1896 0.0039 0.0367 2776935 PKIA -3.1894 0.0039 0.0367 2758653 TARS 3.1880 0.0039 0.0368 2796625 -3.1871 0.0039 0.0369 27785355 SGK3 3.1869 0.0039 0.0369 2778841 NIT2 -3.1866 0.0039 0.0369 2771884 LIF3I 3.1859 0.0039 0.0369 2771884 LIF3I 3.1859 0.0039 0.0369 2785370 SLC8A3 -3.3939 0.0024 0.0266 2785406 GARS 3.1859 0.0039 0.369 2785310 KCTD1 -3.1839 0.0039 0.0370 2759284 MAPRE1 3.1826 0.0039 0.0371 27592924 MAPRE1 3.1826 0.0039 <	2767726		-3.1911	0.0038	0.0367
2763683 CCDC58 3.1897 0.0039 0.0367 2777506 NAP1L1 3.1896 0.0039 0.0367 2791272 FZR1 -3.1894 0.0039 0.0367 2776935 PKIA -3.1893 0.0039 0.0368 2758653 TARS 3.1880 0.0039 0.0369 2785355 SGK3 -3.1869 0.0039 0.0369 2778856 TANC2 3.1867 0.0039 0.0369 2772777 JHDMID 3.1859 0.0039 0.0369 2778778 LEGA3 -3.3939 0.0039 0.0369 2788770 SLC8A3 -3.3939 0.0024 0.0266 2788770 SLC8A3 -3.3939 0.0024 0.0266 2785406 GARS 3.1850 0.0039 0.0370 2785294 MAPRE1 -3.1835 0.0039 0.0370 2759304 FMN2 -3.1835 0.0039 0.0371 2759406 CHD3 -3.1816 <	2763647	PTP4A2	3.1906	0.0038	0.0367
2777506 NAP1L1 3.1896 0.0039 0.0367 2791272 FZR1 -3.1894 0.0039 0.0367 2776935 PKIA -3.1893 0.0039 0.0367 2758653 TARS 3.1880 0.0039 0.0369 2785355 SGK3 -3.1869 0.0039 0.0369 2778841 NIT2 -3.1866 0.0039 0.0369 2771884 EIF3I 3.1859 0.0039 0.0369 2785406 GARS 3.1859 0.0039 0.0369 2785410 KCTD1 3.1859 0.0039 0.0369 2785406 GARS 3.1850 0.0039 0.0369 2783110 KCTD1 -3.1839 0.0039 0.0369 2783110 KCTD1 -3.1839 0.0039 0.0370 278544 MAPRE1 3.1826 0.0039 0.0371 2785450 CHD3 3.1818 0.0039 0.0371 2785468 SCG2 3.1816 0.0039<	2772655	JARID2	3.1900	0.0039	0.0367
2791272 FZR1 -3.1894 0.0039 0.0367 2776935 PKIA -3.1893 0.0039 0.0367 2758653 TARS 3.1880 0.0039 0.0369 2785355 SGK3 -3.1869 0.0039 0.0369 2778856 TANC2 3.1867 0.0039 0.0369 2778841 NIT2 -3.1866 0.0039 0.0369 2771884 EIF3I 3.1859 0.0039 0.0369 2778870 SLC8A3 -3.3939 0.0024 0.0266 2785406 GARS 3.1859 0.0039 0.0369 2785310 KCTD1 -3.1839 0.0039 0.0370 2759284 MAPRE1 3.1826 0.0039 0.0371 2759285 SCG2 3.1816 0.0039 0.0371 2783137 UBE2D3 3.1818 0.0039 0.0371 2789416 CHD3 -3.1818 0.0039 0.0371 2789312 MTMR12 -3.2383 0	2763683	CCDC58	3.1897	0.0039	0.0367
2776935 PKIA -3.1893 0.0039 0.0367 2758663 TARS 3.1880 0.0039 0.0368 2796625 -3.1871 0.0039 0.0369 27758555 SGK3 -3.1869 0.0039 0.0369 2778846 TANC2 3.1867 0.0039 0.0369 2772777 JHDMID 3.1859 0.0039 0.0369 2788770 SLC8A3 -3.3939 0.0024 0.0269 2788770 SLC8A3 -3.3939 0.0024 0.0269 2788710 KCTD1 -3.1839 0.0039 0.0369 2783110 KCTD1 -3.1839 0.0039 0.0370 2759284 MAPRE1 3.1826 0.0039 0.0371 2759310 FMN2 -3.1818 0.0039 0.0371 2759485 SCG2 3.1816 0.0039 0.0371 27594706 CHD3 -3.1818 0.0039 0.0371 2789485 SCG2 3.1816 0.0039	2777506	NAP1L1	3.1896	0.0039	0.0367
2758653 TARS 3.1880 0.0039 0.0368 276625 -3.1871 0.0039 0.0369 2785355 SGK3 -3.1869 0.0039 0.0369 2778846 TANC2 3.1867 0.0039 0.0369 2772777 JHDM1D 3.1859 0.0039 0.0369 27871884 EIF3I 3.1859 0.0039 0.0369 2785406 GARS 3.1850 0.0039 0.0369 2785410 KCTD1 -3.1839 0.0039 0.0370 2785110 KCTD1 -3.1839 0.0039 0.0370 2759304 FMN2 -3.1835 0.0039 0.0371 2759310 KCMD1 -3.1835 0.0039 0.0371 2759446 CHD3 -3.1818 0.0039 0.0371 2757406 CHD3 -3.1818 0.0039 0.0371 2789312 MTMR12 -3.2383 0.0035 0.0346 2787222 YPEL1 -3.1799 0.0039 0.0372 2783434 STMN2 -3.1784 0.0040 0.0373	2791272	FZR1	-3.1894	0.0039	0.0367
2796625 -3.1871 0.0039 0.0369 27885355 SGK3 -3.1869 0.0039 0.0369 2778856 TANC2 3.1867 0.0039 0.0369 2778841 NIT2 -3.1866 0.0039 0.0369 2772777 JHDMID 3.1859 0.0039 0.0369 2788770 SLC8A3 -3.3939 0.0024 0.0266 2783110 KCTD1 -3.1839 0.0039 0.0369 278310 KCTD1 -3.1839 0.0039 0.0370 2759304 FMN2 -3.1835 0.0039 0.0370 2759284 MAPRE1 3.1826 0.0039 0.0371 2759406 CHD3 -3.1818 0.0039 0.0371 2774416 3.1816 0.0039 0.0371 2789312 MTMR12 -3.2383 0.0035 0.0346 2787222 YPEL1 -3.1799 0.0039 0.0372 2789312 MTMR12 -3.2883 0.0025 0.0268	2776935	PKIA	-3.1893	0.0039	0.0367
2785355 SGK3 -3.1869 0.0039 0.0369 2778856 TANC2 3.1867 0.0039 0.0369 2778841 NIT2 -3.1866 0.0039 0.0369 2772777 JHDM1D 3.1859 0.0039 0.0369 2771884 EIF3I 3.1859 0.0039 0.0369 2788770 SLC8A3 -3.3939 0.0024 0.0266 2785406 GARS 3.1850 0.0039 0.0369 2783110 KCTD1 -3.1839 0.0039 0.0370 2759284 MAPRE1 3.1826 0.0039 0.0371 2783137 UBE2D3 3.1826 0.0039 0.0371 278416 CHD3 -3.1818 0.0039 0.0371 2785284 MTMR12 -3.2383 0.0039 0.0371 278416 CHD3 -3.1816 0.0039 0.0371 2789485 SCG2 3.1816 0.0039 0.0371 27897222 YPEL1 -3.1799 <td< td=""><td>2758653</td><td>TARS</td><td>3.1880</td><td>0.0039</td><td>0.0368</td></td<>	2758653	TARS	3.1880	0.0039	0.0368
2778856 TANC2 3.1867 0.0039 0.0369 2778841 NIT2 -3.1866 0.0039 0.0369 2772777 JHDM1D 3.1859 0.0039 0.0369 2788770 SLC8A3 -3.3939 0.0024 0.0266 2785406 GARS 3.1850 0.0039 0.0369 2783110 KCTD1 -3.1839 0.0039 0.0370 2759304 FMN2 -3.1835 0.0039 0.0370 2759284 MAPRE1 3.1826 0.0039 0.0371 2783137 UBE2D3 3.1818 0.0039 0.0371 275406 CHD3 -3.1818 0.0039 0.0371 276445 SCG2 3.1816 0.0039 0.0371 278416 GHD3 -3.1818 0.0039 0.0371 278416 GLC3 3.1816 0.0039 0.0371 278416 GLD3 3.1816 0.0039 0.0371 278922 YPEL1 -3.1799 0.0039 </td <td>2796625</td> <td></td> <td>-3.1871</td> <td>0.0039</td> <td>0.0369</td>	2796625		-3.1871	0.0039	0.0369
2778841 NIT2 -3.1866 0.0039 0.0369 2772777 JHDM1D 3.1859 0.0039 0.0369 2771884 EIF3I 3.1859 0.0039 0.0369 2788770 SLC8A3 -3.3939 0.0024 0.0266 2785406 GARS 3.1850 0.0039 0.0369 2783110 KCTD1 -3.1839 0.0039 0.0370 2759304 FMN2 -3.1835 0.0039 0.0371 2759284 MAPRE1 3.1826 0.0039 0.0371 2753137 UBE2D3 3.1816 0.0039 0.0371 275406 CHD3 -3.1818 0.0039 0.0371 2754416 3.1816 0.0039 0.0371 2774416 3.1816 0.0039 0.0371 2789312 MTMR12 -3.2383 0.0035 0.0346 2787222 YPEL1 -3.1799 0.0039 0.0372 2789667 CLIC3 -3.3878 0.0025 0.0268 <td>2785355</td> <td>SGK3</td> <td>-3.1869</td> <td>0.0039</td> <td>0.0369</td>	2785355	SGK3	-3.1869	0.0039	0.0369
2772777 JHDM1D 3.1859 0.0039 0.0369 2771884 EIF3I 3.1859 0.0039 0.0369 2788770 SLC8A3 -3.3939 0.0024 0.0266 2785406 GARS 3.1850 0.0039 0.0369 2783110 KCTD1 -3.1839 0.0039 0.0370 2759344 FMN2 -3.1835 0.0039 0.0371 2759284 MAPRE1 3.1826 0.0039 0.0371 2753137 UBE2D3 3.1818 0.0039 0.0371 275406 CHD3 -3.1818 0.0039 0.0371 275446 CHD3 -3.1816 0.0039 0.0371 2754416 3.1816 0.0039 0.0371 278416 3.1816 0.0039 0.0371 2789697 CLIC3 3.1816 0.0039 0.0372 2789697 CLIC3 -3.3878 0.0025 0.0268 2763069 RUNX1T1 -3.1797 0.0039 0.0372	2778856	TANC2	3.1867	0.0039	0.0369
2771884 EIF3I 3.1859 0.0039 0.0369 2788770 SLC8A3 -3.3939 0.0024 0.0266 2785406 GARS 3.1850 0.0039 0.0369 2783110 KCTD1 -3.1839 0.0039 0.0370 2759284 MAPRE1 3.1826 0.0039 0.0371 2783137 UBE2D3 3.1826 0.0039 0.0371 2757406 CHD3 -3.1818 0.0039 0.0371 2796485 SCG2 3.1816 0.0039 0.0371 2789312 MTMR12 -3.2383 0.0039 0.0371 2789312 MTMR12 -3.2383 0.0035 0.0346 2787222 YPEL1 -3.1799 0.0039 0.0372 2786967 CLIC3 -3.3878 0.0025 0.024 2783434 STMN5 3.1799 0.0039 0.0372 2783434 STMN5 3.1792 0.0040 0.0373 2781745 DHRSX -3.1784	2778841	NIT2	-3.1866	0.0039	0.0369
2788770 SLC8A3 -3.3939 0.0024 0.0266 2785406 GARS 3.1850 0.0039 0.0369 2783110 KCTD1 -3.1839 0.0039 0.0370 2759304 FMN2 -3.1835 0.0039 0.0370 2759284 MAPRE1 3.1826 0.0039 0.0371 2783137 UBE2D3 3.1826 0.0039 0.0371 2757406 CHD3 -3.1818 0.0039 0.0371 2796485 SCG2 3.1816 0.0039 0.0371 278416 3.1816 0.0039 0.0371 2789312 MTMR12 -3.2383 0.0035 0.0346 2787222 YPEL1 -3.1799 0.0039 0.0372 2783697 CLIC3 -3.3878 0.0025 0.0268 2763069 RUNX1T1 -3.1797 0.0039 0.0372 2783434 STMN2 -3.1784 0.0040 0.0373 2784679 CHORF58 -3.1767 0.0040	2772777	JHDM1D	3.1859	0.0039	0.0369
2788770 SLC8A3 -3.3939 0.0024 0.0266 2785406 GARS 3.1850 0.0039 0.0369 2783110 KCTD1 -3.1839 0.0039 0.0370 2759304 FMN2 -3.1835 0.0039 0.0370 2759284 MAPRE1 3.1826 0.0039 0.0371 2783137 UBE2D3 3.1826 0.0039 0.0371 2757406 CHD3 -3.1818 0.0039 0.0371 2796485 SCG2 3.1816 0.0039 0.0371 278416 3.1816 0.0039 0.0371 2789312 MTMR12 -3.2383 0.0035 0.0346 2787222 YPEL1 -3.1799 0.0039 0.0372 2783697 CLIC3 -3.3878 0.0025 0.0268 2763069 RUNX1T1 -3.1797 0.0039 0.0372 2783434 STMN2 -3.1784 0.0040 0.0373 2784679 CHORF58 -3.1767 0.0040	2771884	EIF3I	3.1859	0.0039	0.0369
2785406 GARS 3.1850 0.0039 0.0369 2783110 KCTD1 -3.1839 0.0039 0.0370 2759304 FMN2 -3.1835 0.0039 0.0370 2759284 MAPRE1 3.1826 0.0039 0.0371 2757406 CHD3 -3.1818 0.0039 0.0371 2796485 SCG2 3.1816 0.0039 0.0371 2774416 3.1816 0.0039 0.0371 2789312 MTMR12 -3.2383 0.0035 0.0346 2787222 YPEL1 -3.1799 0.0039 0.0372 2798697 CLIC3 -3.3878 0.0025 0.0268 2763069 RUNX1T1 -3.1797 0.0039 0.0372 2773021 ZFAND5 3.1792 0.0040 0.0373 2783434 STMN2 -3.1784 0.0040 0.0373 2794679 C11ORF58 -3.1767 0.0040 0.0374 2799228 BAI3 3.1759 0.0040 0.0375 2798549 PKIA -3.1731 0.0040 0	2788770	SLC8A3	-3.3939	0.0024	0.0266
2783110 KCTD1 -3.1839 0.0039 0.0370 2759304 FMN2 -3.1835 0.0039 0.0370 2759284 MAPRE1 3.1826 0.0039 0.0371 2783137 UBE2D3 3.1816 0.0039 0.0371 2757406 CHD3 -3.1818 0.0039 0.0371 276485 SCG2 3.1816 0.0039 0.0371 278416 3.1816 0.0039 0.0371 27839312 MTMR12 -3.2383 0.0035 0.0346 2787222 YPEL1 -3.1799 0.0039 0.0372 2798697 CLIC3 -3.3878 0.0025 0.0268 2763069 RUNX1T1 -3.1797 0.0039 0.0372 2783434 STMN2 -3.1784 0.0040 0.0373 2784679 C110RF58 -3.1767 0.0040 0.0374 2799228 BAI3 3.1759 0.0040 0.0375 2796854 PKIA -3.1731 0.0040 0.0376 2781531 SOX4 -3.1731 0.0040 0	2785406	GARS		0.0039	0.0369
2759284 MAPRE1 3.1826 0.0039 0.0371 2783137 UBE2D3 3.1826 0.0039 0.0371 2757406 CHD3 -3.1818 0.0039 0.0371 2796485 SCG2 3.1816 0.0039 0.0371 2789312 MTMR12 -3.2383 0.0035 0.0346 2787222 YPEL1 -3.1799 0.0039 0.0372 2798697 CLIC3 -3.3878 0.0025 0.0268 2763069 RUNX1T1 -3.1797 0.0039 0.0372 2773021 ZFAND5 3.1792 0.0040 0.0373 2783434 STMN2 -3.1784 0.0040 0.0373 2794679 C110RF58 -3.1767 0.0040 0.0374 2799228 BAI3 3.1759 0.0040 0.0375 2796854 PKIA -3.1731 0.0040 0.0376 2781531 SOX4 -3.1731 0.0040 0.0377 2782543 BHLHE41 -3.1717 0.0040 0.0378 2796469 NSMAF -3.1715 <	2783110	KCTD1		0.0039	0.0370
2759284 MAPRE1 3.1826 0.0039 0.0371 2783137 UBE2D3 3.1826 0.0039 0.0371 2757406 CHD3 -3.1818 0.0039 0.0371 2796485 SCG2 3.1816 0.0039 0.0371 2789312 MTMR12 -3.2383 0.0035 0.0346 2787222 YPEL1 -3.1799 0.0039 0.0372 2798697 CLIC3 -3.3878 0.0025 0.0268 2763069 RUNX1T1 -3.1797 0.0039 0.0372 2773021 ZFAND5 3.1792 0.0040 0.0373 2783434 STMN2 -3.1784 0.0040 0.0373 2794679 C110RF58 -3.1767 0.0040 0.0374 2799228 BAI3 3.1759 0.0040 0.0375 2796854 PKIA -3.1731 0.0040 0.0376 2781531 SOX4 -3.1731 0.0040 0.0377 2782543 BHLHE41 -3.1717 0.0040 0.0378 2796469 NSMAF -3.1715 <				0.0039	0.0370
2783137 UBE2D3 3.1826 0.0039 0.0371 2757406 CHD3 -3.1818 0.0039 0.0371 2796485 SCG2 3.1816 0.0039 0.0371 2774416 3.1816 0.0039 0.0371 2789312 MTMR12 -3.2383 0.0035 0.0346 2787222 YPEL1 -3.1799 0.0039 0.0372 2798697 CLIC3 -3.3878 0.0025 0.0268 2763069 RUNX1T1 -3.1797 0.0039 0.0372 2773021 ZFAND5 3.1792 0.0040 0.0373 2784679 C110RF58 -3.1767 0.0040 0.0374 2794679 C110RF58 -3.1765 0.0040 0.0374 2799228 BAI3 3.1759 0.0040 0.0375 2796854 PKIA -3.1731 0.0040 0.0376 2781531 SOX4 -3.1731 0.0040 0.0377 2782543 BHLHE41 -3.1715 0.0040 0.0378 27826469 NSMAF -3.1714 0.0040		MAPRE1			
2757406 CHD3 -3.1818 0.0039 0.0371 2796485 SCG2 3.1816 0.0039 0.0371 2774416 3.1816 0.0039 0.0371 2789312 MTMR12 -3.2383 0.0035 0.0346 2787222 YPEL1 -3.1799 0.0039 0.0372 2798697 CLIC3 -3.3878 0.0025 0.0268 2763069 RUNX1T1 -3.1797 0.0039 0.0372 2773021 ZFAND5 3.1792 0.0040 0.0373 2784343 STMN2 -3.1784 0.0040 0.0373 2794679 C110RF58 -3.1767 0.0040 0.0374 2799228 BAI3 3.1759 0.0040 0.0375 2796854 PKIA -3.1739 0.0040 0.0376 2781531 SOX4 -3.1731 0.0040 0.0377 2782543 BHLHE41 -3.1717 0.0040 0.0378 2765169 NFS1 -3.1714 0.0040 0.0378 2782113 ADSS 3.1709 0.0040					
2796485 SCG2 3.1816 0.0039 0.0371 2774416 3.1816 0.0039 0.0371 2789312 MTMR12 -3.2383 0.0035 0.0346 2787222 YPEL1 -3.1799 0.0039 0.0372 2798697 CLIC3 -3.3878 0.0025 0.0268 2763069 RUNX1T1 -3.1797 0.0039 0.0372 2773021 ZFAND5 3.1792 0.0040 0.0373 2783434 STMN2 -3.1784 0.0040 0.0373 2794679 C11ORF58 -3.1767 0.0040 0.0374 2761745 DHRSX -3.1765 0.0040 0.0374 2799228 BAI3 3.1759 0.0040 0.0376 2796549 PKIA -3.1739 0.0040 0.0376 2781531 SOX4 -3.1731 0.0040 0.0377 2782543 BHLHE41 -3.1717 0.0040 0.0378 2796469 NSMAF -3.1714 0.0040 0.0378 2782113 ADSS 3.1709 0.0040 <t< td=""><td></td><td>CHD3</td><td></td><td>0.0039</td><td></td></t<>		CHD3		0.0039	
2774416 3.1816 0.0039 0.0371 2789312 MTMR12 -3.2383 0.0035 0.0346 2787222 YPEL1 -3.1799 0.0039 0.0372 2798697 CLIC3 -3.3878 0.0025 0.0268 2763069 RUNX1T1 -3.1797 0.0039 0.0372 2773021 ZFAND5 3.1792 0.0040 0.0373 2784679 C11ORF58 -3.1767 0.0040 0.0374 2794679 C11ORF58 -3.1765 0.0040 0.0374 2799228 BAI3 3.1759 0.0040 0.0375 2796854 PKIA -3.1739 0.0040 0.0376 2781531 SOX4 -3.1731 0.0040 0.0377 2782543 BHLHE41 -3.1717 0.0040 0.0378 2765169 NFS1 -3.1715 0.0040 0.0378 2782113 ADSS 3.1709 0.0040 0.0378 2789104 RANBP2 3.1679 0.0041 0.0380 2776741 VTI1A -3.3740 0.0025		SCG2		0.0039	
2787222 YPEL1 -3.1799 0.0039 0.0372 2798697 CLIC3 -3.3878 0.0025 0.0268 2763069 RUNX1T1 -3.1797 0.0039 0.0372 2773021 ZFAND5 3.1792 0.0040 0.0373 2783434 STMN2 -3.1784 0.0040 0.0373 2794679 C11ORF58 -3.1767 0.0040 0.0374 2761745 DHRSX -3.1765 0.0040 0.0374 2799228 BAI3 3.1759 0.0040 0.0375 2796854 PKIA -3.1739 0.0040 0.0376 2781531 SOX4 -3.1731 0.0040 0.0377 2782543 BHLHE41 -3.1717 0.0040 0.0378 2765169 NFS1 -3.1715 0.0040 0.0378 2782113 ADSS 3.1709 0.0040 0.0378 2782113 ADSS 3.1679 0.0041 0.0380 2776741 VTI1A -3.3740 0.0025 0.0275 2778878 -3.1675 0.0041 <td< td=""><td>2774416</td><td></td><td>3.1816</td><td>0.0039</td><td>0.0371</td></td<>	2774416		3.1816	0.0039	0.0371
2787222 YPEL1 -3.1799 0.0039 0.0372 2798697 CLIC3 -3.3878 0.0025 0.0268 2763069 RUNX1T1 -3.1797 0.0039 0.0372 2773021 ZFAND5 3.1792 0.0040 0.0373 2783434 STMN2 -3.1784 0.0040 0.0373 2794679 C11ORF58 -3.1767 0.0040 0.0374 2761745 DHRSX -3.1765 0.0040 0.0374 2799228 BAI3 3.1759 0.0040 0.0375 2796854 PKIA -3.1739 0.0040 0.0376 2781531 SOX4 -3.1731 0.0040 0.0377 2782543 BHLHE41 -3.1717 0.0040 0.0378 2765169 NFS1 -3.1715 0.0040 0.0378 2782113 ADSS 3.1709 0.0040 0.0378 2782113 ADSS 3.1679 0.0041 0.0380 2776741 VTI1A -3.3740 0.0025 0.0275 2778878 -3.1675 0.0041 <td< td=""><td>2789312</td><td>MTMR12</td><td>-3.2383</td><td>0.0035</td><td>0.0346</td></td<>	2789312	MTMR12	-3.2383	0.0035	0.0346
2763069 RUNX1T1 -3.1797 0.0039 0.0372 2773021 ZFAND5 3.1792 0.0040 0.0373 2783434 STMN2 -3.1784 0.0040 0.0374 2794679 C11ORF58 -3.1767 0.0040 0.0374 2761745 DHRSX -3.1765 0.0040 0.0374 2799228 BAI3 3.1759 0.0040 0.0375 2796854 PKIA -3.1739 0.0040 0.0376 2781531 SOX4 -3.1731 0.0040 0.0377 2774143 CCRL2 3.1731 0.0040 0.0378 2765169 NFS1 -3.1715 0.0040 0.0378 2796469 NSMAF -3.1714 0.0040 0.0378 2782113 ADSS 3.1709 0.0040 0.0378 2789104 RANBP2 3.1679 0.0041 0.0380 2776741 VTI1A -3.3740 0.0025 0.0275 2778878 -3.1672 0.0041 0.0381 2793968 TBC1D9B -3.3730 0.0026 <t< td=""><td>2787222</td><td>YPEL1</td><td></td><td>0.0039</td><td>0.0372</td></t<>	2787222	YPEL1		0.0039	0.0372
2773021 ZFAND5 3.1792 0.0040 0.0373 2783434 STMN2 -3.1784 0.0040 0.0373 2794679 C11ORF58 -3.1767 0.0040 0.0374 2761745 DHRSX -3.1765 0.0040 0.0374 2799228 BAI3 3.1759 0.0040 0.0375 2796854 PKIA -3.1739 0.0040 0.0376 2781531 SOX4 -3.1731 0.0040 0.0377 2782543 BHLHE41 -3.1717 0.0040 0.0378 2765169 NFS1 -3.1715 0.0040 0.0378 2796469 NSMAF -3.1714 0.0040 0.0378 2782113 ADSS 3.1709 0.0040 0.0378 2789104 RANBP2 3.1679 0.0041 0.0380 2776741 VTI1A -3.3740 0.0025 0.0275 2778878 -3.1675 0.0041 0.0381 2793968 TBC1D9B -3.3730 0.0026 0.0275 2771905 FCF1 3.1659 0.0041 <td< td=""><td>2798697</td><td>CLIC3</td><td>-3.3878</td><td>0.0025</td><td>0.0268</td></td<>	2798697	CLIC3	-3.3878	0.0025	0.0268
2783434 STMN2 -3.1784 0.0040 0.0373 2794679 C11ORF58 -3.1767 0.0040 0.0374 2761745 DHRSX -3.1765 0.0040 0.0374 2799228 BAI3 3.1759 0.0040 0.0375 2796854 PKIA -3.1739 0.0040 0.0376 2781531 SOX4 -3.1731 0.0040 0.0377 2782543 BHLHE41 -3.1717 0.0040 0.0378 2765169 NFS1 -3.1715 0.0040 0.0378 2796469 NSMAF -3.1714 0.0040 0.0378 2782113 ADSS 3.1709 0.0040 0.0378 2789104 RANBP2 3.1679 0.0041 0.0380 2776741 VTI1A -3.3740 0.0025 0.0275 2778878 -3.1675 0.0041 0.0381 2793968 TBC1D9B -3.3730 0.0026 0.0275 2771905 FCF1 3.1659 0.0041 0.0382	2763069	RUNX1T1	-3.1797	0.0039	0.0372
2783434 STMN2 -3.1784 0.0040 0.0373 2794679 C11ORF58 -3.1767 0.0040 0.0374 2761745 DHRSX -3.1765 0.0040 0.0374 2799228 BAI3 3.1759 0.0040 0.0375 2796854 PKIA -3.1739 0.0040 0.0376 2781531 SOX4 -3.1731 0.0040 0.0377 2782543 BHLHE41 -3.1717 0.0040 0.0378 2765169 NFS1 -3.1715 0.0040 0.0378 2796469 NSMAF -3.1714 0.0040 0.0378 2782113 ADSS 3.1709 0.0040 0.0378 2789104 RANBP2 3.1679 0.0041 0.0380 2776741 VTI1A -3.3740 0.0025 0.0275 2778878 -3.1675 0.0041 0.0381 2793968 TBC1D9B -3.3730 0.0026 0.0275 2771905 FCF1 3.1659 0.0041 0.0382	2773021	ZFAND5	3.1792	0.0040	0.0373
2761745 DHRSX -3.1765 0.0040 0.0374 2799228 BAI3 3.1759 0.0040 0.0375 2796854 PKIA -3.1739 0.0040 0.0376 2781531 SOX4 -3.1731 0.0040 0.0377 2774143 CCRL2 3.1731 0.0040 0.0377 2782543 BHLHE41 -3.1717 0.0040 0.0378 2765169 NFS1 -3.1715 0.0040 0.0378 2796469 NSMAF -3.1714 0.0040 0.0378 2782113 ADSS 3.1709 0.0040 0.0378 2789104 RANBP2 3.1679 0.0041 0.0380 2776741 VTI1A -3.3740 0.0025 0.0275 2778878 -3.1675 0.0041 0.0381 2793968 TBC1D9B -3.3730 0.0026 0.0275 2771905 FCF1 3.1659 0.0041 0.0382	2783434	STMN2	-3.1784	0.0040	0.0373
2799228 BAI3 3.1759 0.0040 0.0375 2796854 PKIA -3.1739 0.0040 0.0376 2781531 SOX4 -3.1731 0.0040 0.0377 2774143 CCRL2 3.1731 0.0040 0.0377 2782543 BHLHE41 -3.1717 0.0040 0.0378 2765169 NFS1 -3.1715 0.0040 0.0378 2796469 NSMAF -3.1714 0.0040 0.0378 2782113 ADSS 3.1709 0.0040 0.0378 2780444 3.1707 0.0040 0.0378 2789104 RANBP2 3.1679 0.0041 0.0380 2776741 VTI1A -3.3740 0.0025 0.0275 2778878 -3.1675 0.0041 0.0381 2791724 -3.1672 0.0041 0.0381 2793968 TBC1D9B -3.3730 0.0026 0.0275 2771905 FCF1 3.1659 0.0041 0.0382	2794679	C11ORF58	-3.1767	0.0040	0.0374
2796854 PKIA -3.1739 0.0040 0.0376 2781531 SOX4 -3.1731 0.0040 0.0377 2774143 CCRL2 3.1731 0.0040 0.0377 2782543 BHLHE41 -3.1717 0.0040 0.0378 2765169 NFS1 -3.1715 0.0040 0.0378 2796469 NSMAF -3.1714 0.0040 0.0378 2782113 ADSS 3.1709 0.0040 0.0378 2780444 3.1707 0.0040 0.0378 2789104 RANBP2 3.1679 0.0041 0.0380 2776741 VTI1A -3.3740 0.0025 0.0275 2778878 -3.1675 0.0041 0.0381 2793968 TBC1D9B -3.3730 0.0026 0.0275 2771905 FCF1 3.1659 0.0041 0.0382	2761745	DHRSX	-3.1765	0.0040	0.0374
2781531 SOX4 -3.1731 0.0040 0.0377 2774143 CCRL2 3.1731 0.0040 0.0377 2782543 BHLHE41 -3.1717 0.0040 0.0378 2765169 NFS1 -3.1715 0.0040 0.0378 2796469 NSMAF -3.1714 0.0040 0.0378 2782113 ADSS 3.1709 0.0040 0.0378 2780444 3.1707 0.0040 0.0378 2789104 RANBP2 3.1679 0.0041 0.0380 2776741 VTI1A -3.3740 0.0025 0.0275 2778878 -3.1675 0.0041 0.0381 2793968 TBC1D9B -3.3730 0.0026 0.0275 2771905 FCF1 3.1659 0.0041 0.0382	2799228	BAI3	3.1759	0.0040	0.0375
2781531 SOX4 -3.1731 0.0040 0.0377 2774143 CCRL2 3.1731 0.0040 0.0378 2782543 BHLHE41 -3.1717 0.0040 0.0378 2765169 NFS1 -3.1715 0.0040 0.0378 2796469 NSMAF -3.1714 0.0040 0.0378 2782113 ADSS 3.1709 0.0040 0.0378 2780444 3.1707 0.0040 0.0378 2789104 RANBP2 3.1679 0.0041 0.0380 2776741 VTI1A -3.3740 0.0025 0.0275 2778878 -3.1675 0.0041 0.0381 2793968 TBC1D9B -3.3730 0.0026 0.0275 2771905 FCF1 3.1659 0.0041 0.0382	2796854	PKIA		0.0040	0.0376
2774143 CCRL2 3.1731 0.0040 0.0377 2782543 BHLHE41 -3.1717 0.0040 0.0378 2765169 NFS1 -3.1715 0.0040 0.0378 2796469 NSMAF -3.1714 0.0040 0.0378 2782113 ADSS 3.1709 0.0040 0.0378 2780444 3.1707 0.0040 0.0378 2789104 RANBP2 3.1679 0.0041 0.0380 2776741 VTI1A -3.3740 0.0025 0.0275 2778878 -3.1675 0.0041 0.0381 2791724 -3.1672 0.0041 0.0381 2793968 TBC1D9B -3.3730 0.0026 0.0275 2771905 FCF1 3.1659 0.0041 0.0382	2781531	SOX4	-3.1731	0.0040	
2782543 BHLHE41 -3.1717 0.0040 0.0378 2765169 NFS1 -3.1715 0.0040 0.0378 2796469 NSMAF -3.1714 0.0040 0.0378 2782113 ADSS 3.1709 0.0040 0.0378 2780444 3.1707 0.0040 0.0378 2789104 RANBP2 3.1679 0.0041 0.0380 2776741 VTI1A -3.3740 0.0025 0.0275 2778878 -3.1675 0.0041 0.0381 2791724 -3.1672 0.0041 0.0381 2793968 TBC1D9B -3.3730 0.0026 0.0275 2771905 FCF1 3.1659 0.0041 0.0382	2774143	CCRL2	3.1731	0.0040	0.0377
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2782543	BHLHE41	-3.1717	0.0040	0.0378
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2765169	NFS1	-3.1715	0.0040	0.0378
2782113 ADSS 3.1709 0.0040 0.0378 2780444 3.1707 0.0040 0.0378 2789104 RANBP2 3.1679 0.0041 0.0380 2776741 VTI1A -3.3740 0.0025 0.0275 2778878 -3.1675 0.0041 0.0381 2791724 -3.1672 0.0041 0.0381 2793968 TBC1D9B -3.3730 0.0026 0.0275 2771905 FCF1 3.1659 0.0041 0.0382	2796469	NSMAF	-3.1714	0.0040	0.0378
2780444 3.1707 0.0040 0.0378 2789104 RANBP2 3.1679 0.0041 0.0380 2776741 VTI1A -3.3740 0.0025 0.0275 2778878 -3.1675 0.0041 0.0381 2791724 -3.1672 0.0041 0.0381 2793968 TBC1D9B -3.3730 0.0026 0.0275 2771905 FCF1 3.1659 0.0041 0.0382	2782113	ADSS	3.1709	0.0040	0.0378
2789104 RANBP2 3.1679 0.0041 0.0380 2776741 VTI1A -3.3740 0.0025 0.0275 2778878 -3.1675 0.0041 0.0381 2791724 -3.1672 0.0041 0.0381 2793968 TBC1D9B -3.3730 0.0026 0.0275 2771905 FCF1 3.1659 0.0041 0.0382					0.0378
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		RANBP2			0.0380
$\begin{array}{cccccccccccccccccccccccccccccccccccc$					0.0275
2791724 -3.1672 0.0041 0.0381 2793968 TBC1D9B -3.3730 0.0026 0.0275 2771905 FCF1 3.1659 0.0041 0.0382					0.0381
2793968 TBC1D9B -3.3730 0.0026 0.0275 2771905 FCF1 3.1659 0.0041 0.0382					0.0381
2771905 FCF1 3.1659 0.0041 0.0382		TBC1D9B			0.0275
					0.0382
			-3.1637	0.0041	0.0383

	gene_symbols	t	P.Value	adj.P.Val
2759103	HMGN3	-3.1636	0.0041	0.0383
2786090	ZNF292	-3.1632	0.0041	0.0384
2800040		-3.3686	0.0026	0.0277
2784401		-3.1627	0.0041	0.0384
2759016	SHISA5	3.1625	0.0041	0.0384
2792041	KLHL2	-3.1623	0.0041	0.0384
2789315	SLITRK5	-3.1622	0.0041	0.0384
2799329	BRS3	-3.3673	0.0026	0.0277
2785841	KCNMB4	-3.3673	0.0026	0.0277
2762246	SMTN	3.2167	0.0037	0.0360
2769025	R3HDM1	3.1590	0.0042	0.0387
2760872	SIK2	3.1569	0.0042	0.0388
2789401	FAM110B	3.1568	0.0042	0.0388
2761465	PCTK2	3.1548	0.0042	0.0390
2790659	TTLL5	-3.1532	0.0042	0.0391
2760611	MAP7	-3.1529	0.0042	0.0391
2771715	PRKCA	3.2080	0.0038	0.0365
2761792	LNX2	3.1520	0.0042	0.0392
2776881	FBXO3	-3.1516	0.0042	0.0392
2764176	SOX4	-3.1515	0.0042	0.0392
2761750	RUFY2	-3.1514	0.0042	0.0392
2792468	SYT4	3.1500	0.0042	0.0393
2788122	XP 002200388.1	-3.1476	0.0043	0.0395
2771767	BRWD3	3.1474	0.0043	0.0395
2780477	LRRN3	3.1465	0.0043	0.0396
2770417		-3.1455	0.0043	0.0397
2797505	CIAPIN1	3.1452	0.0043	0.0397
2761287		-3.1435	0.0043	0.0398
2798268	BLOC1S2	-3.1434	0.0043	0.0398
2788378	RNASET2	-3.1428	0.0043	0.0398
2773757	DDX3X	3.1424	0.0043	0.0399
2771238	CAMSAP1L1	3.1415	0.0043	0.0399
2789072	EFNB2	-3.1413	0.0043	0.0399
2798603	RUFY2	-3.1409	0.0043	0.0399
2758077	PIGT	3.1409	0.0043	0.0399
2763030	TBCA	-3.1405	0.0043	0.0400
2770451	NOLC1	3.1950	0.0039	0.0371
2789151	B3GNT1	3.1395	0.0044	0.0400
2797262		3.1395	0.0044	0.0400
2759706	MAP1D	3.1371	0.0044	0.0402
2782649	TNPO1	-3.3390	0.0028	0.0291
2796030	SETD1B	-3.1368	0.0044	0.0402
2758667		-3.1361	0.0044	0.0403
2780411	GNAL	-3.1909	0.0040	0.0374
2794881	MAPK8IP1	3.1357	0.0044	0.0403
2763713	CPSF6	3.1346	0.0044	0.0404
2777171	SNCAIP	3.1342	0.0044	0.0404
2758712	MAP3K7	3.1339	0.0044	0.0404
2792577	FSCN1	-3.1334	0.0044	0.0404
2761984	-	3.1317	0.0044	0.0405
2760566	KCNJ4	3.1312	0.0044	0.0406
2774162		3.1307	0.0044	0.0406
.		5.2001	0.0011	2.0200

	gene_symbols	t	P.Value	adj.P.Val
2789795	COIL	-3.1303	0.0045	0.0406
2797545		-3.1299	0.0045	0.0407
2773373		-3.3301	0.0028	0.0294
2757870	RTCD1	3.1269	0.0045	0.0409
2779509	HDGFRP3	-3.1255	0.0045	0.0410
2777509	ZFYVE1	-3.1252	0.0045	0.0410
2798282	HNRNPH3	3.1252	0.0045	0.0410
2759080	NETO1	3.1241	0.0045	0.0411
2779609	MN1	3.1231	0.0045	0.0411
2760316	ZDHHC17	3.1230	0.0045	0.0411
2794108	KLHL32	-3.1230	0.0045	0.0411
2787813	ADAP1	-3.1228	0.0045	0.0411
2775351	BRIX1	3.1218	0.0045	0.0412
2792421	CLASP2	-3.1214	0.0045	0.0412
2773580	GAS1	-3.1210	0.0046	0.0412
2787866	PIP4K2A	-3.1209	0.0046	0.0412
2771073	MED14	3.1204	0.0046	0.0412
2763043	NIPBL	-3.1194	0.0046	0.0413
2790528	1,11 22	-3.1170	0.0046	0.0415
2774520	MAPRE1	3.1153	0.0046	0.0417
2765898	BRP44	-3.1145	0.0046	0.0417
2775076	BBX	-3.1142	0.0046	0.0418
2796826	TOR1AIP1	-3.1129	0.0046	0.0418
2773862	FOXQ1	-3.1121	0.0047	0.0419
2770088	C13ORF37	-3.3106	0.0030	0.0304
2759592	SYNE1	3.1104	0.0047	0.0420
2797225	MTMR7	-3.1103	0.0047	0.0420
2760372	PRDM15-1	3.1101	0.0047	0.0420
2768094	XBP1	3.1098	0.0047	0.0420
2790882	POLG	-3.1084	0.0047	0.0422
2785432	BRCC3	-3.1084	0.0047 0.0047	0.0422
2777863	SRFBP1	3.1081	0.0047 0.0047	0.0422
2765510	TMED10	3.1076	0.0047 0.0047	0.0422
2778610	ACSL1	3.1070	0.0047 0.0047	0.0422
2771963	ALDH3A2	-3.1056	0.0047 0.0047	0.0422
2772572	ALDIISAZ	-3.1052	0.0047 0.0047	0.0424
2771575	MMP11	-3.1045	0.0047 0.0047	0.0424
2784609	WIWII II	-3.1029	0.0047	0.0424 0.0426
		-3.1029 -3.1007		
2788135	CDIN1		0.0048	0.0428
2783035	SPIN1	-3.1004	0.0048	0.0428 0.0429
2786287	WASH1	-3.0992	0.0048	
2792297	CA7	-3.0988	0.0048	0.0429
2772890	LONP1	3.0985	0.0048	0.0429
2771615	NHSL1	-3.0983	0.0048	0.0429
2792489	ING2	3.0973	0.0048	0.0430
2769937	GRB2	-3.0968	0.0048	0.0430
2762075	C11ORF58	-3.0951	0.0048	0.0432
2786488	MAPKSP1	-3.0947	0.0049	0.0432
2758810	PPCS	3.0938	0.0049	0.0433
2776211	CHST1	3.1467	0.0044	0.0404
2770643	LRRTM2	-3.0934	0.0049	0.0433
2792104	BRD1	-3.0934	0.0049	0.0433

	gene_symbols	t	P.Value	adj.P.Val
2758271	MCM3AP	-3.0933	0.0049	0.0433
2757932	C6ORF125	-3.2891	0.0031	0.0317
2759510	NUP155	3.1457	0.0044	0.0405
2761880	AGGF1	3.0916	0.0049	0.0434
2778604	GABRG2	-3.0908	0.0049	0.0435
2786204	ETF1	3.0908	0.0049	0.0435
2787211	TMEM189	-3.0901	0.0049	0.0435
2794083	CTNNBIP1	-3.0883	0.0049	0.0437
2760440		-3.1403	0.0045	0.0409
2795892	SLITRK2	3.0869	0.0049	0.0438
2791608	ZFHX4	-3.0868	0.0049	0.0438
2784964	GNL3	3.0860	0.0050	0.0439
2777636	SEC24B	-3.0847	0.0050	0.0440
2772145	PKIA	-3.0841	0.0050	0.0440
2782672	RGS20	3.0839	0.0050	0.0440
2794944	HUNK	-3.0837	0.0050	0.0440
2759181	RUNX1T1	-3.0833	0.0050	0.0440
2773720	LIMK1	3.0824	0.0050	0.0441
2780153	TGFBR1	-3.0809	0.0050	0.0443
2792803	TRUB1	3.1334	0.0046	0.0412
2793637	GNA11	-3.1324	0.0046	0.0413
2781232	TSC22D1	-3.0792	0.0050	0.0444
2775735	NPM1	3.0789	0.0050	0.0444
2767166	WDR33	3.0789	0.0050	0.0444
2796071	WEIGO	-3.0784	0.0050	0.0444
2786791	FXC1	-3.0780	0.0050	0.0444
2778647	SPG7	-3.0779	0.0051	0.0444
2791357	DENND5B	-3.0779	0.0051	0.0444
2761862	DLG2	3.0771	0.0051	0.0445
2775666	CSNK1A1	3.0757	0.0051	0.0446
2776206	NARG1	3.0756	0.0051	0.0446
2768430	YPEL1	-3.0748	0.0051	0.0446
2757453	MYO5A	3.0746	0.0051	0.0446
2759518	TAX1BP1	3.1269	0.0046	0.0418
2761668	ROCK2	3.0744	0.0040 0.0051	0.0416
2793905	ItOOK2	-3.0739	0.0051	0.0446
2788333	FARSB	3.0739	0.0051	0.0446
2771348	MED9	-3.2672	0.0031 0.0033	0.0440 0.0329
2772090	LRRC8D	3.0731	0.0053	0.0329 0.0447
2797697	HISPPD1	3.0731 3.0729	0.0051 0.0051	0.0447 0.0447
2773246	IIISI I DI	-3.1242	0.0031 0.0047	0.0447
2772275	TCIID		0.0047 0.0051	
	TCHP	-3.0703		0.0450
2762361	GTPBP2	-3.0701	0.0051	0.0450
2763977	VCI	-3.0691	0.0052	0.0450
2759525	VCL	3.0687	0.0052	0.0451
2782782	FRMPD3	-3.0686	0.0052	0.0451
2797721	GGT7	-3.0668	0.0052	0.0452
2769123	PPAPR3	-3.0657	0.0052	0.0453
2765307	FAM92A1	-3.0656	0.0052	0.0453
2775930	CREB3	3.0650	0.0052	0.0454
2774655	YWHAH	3.0648	0.0052	0.0454
2768337	MAPRE1	3.0647	0.0052	0.0454

	gene_symbols	t	P.Value	adj.P.Val
2772220	DHX15	3.0641	0.0052	0.0454
2759271	PPAPR3	-3.0639	0.0052	0.0454
2779756	TEX10	3.0639	0.0052	0.0454
2757080	USP16	3.0635	0.0052	0.0454
2767697	ANKRD17	3.0634	0.0052	0.0454
2792807	FXC1	-3.0617	0.0053	0.0456
2787097	CTTNBP2	3.0603	0.0053	0.0457
2777641	TCP11L2	-3.2523	0.0034	0.0338
2770000	LLPH	3.0597	0.0053	0.0457
2762338	LNX2	3.0591	0.0053	0.0458
2792447	PHIP	-3.1103	0.0048	0.0430
2764406	GPM6B	-3.0579	0.0053	0.0459
2763430	MTMR9	-3.0565	0.0053	0.0460
2778416	FANCL	-3.0564	0.0053	0.0460
2784082	ANP32B	3.0550	0.0053	0.0462
2774261	C11ORF74	-3.2459	0.0035	0.0342
2761428	ALG2	3.0543	0.0053	0.0462
2778253	UAP1	3.0543	0.0053	0.0462
2774168	EML1	3.0538	0.0054	0.0462
2759985	MYST4	-3.0536	0.0054	0.0462
2787973	CP	-3.0524	0.0054	0.0464
2797019	HMGB3	-3.0515	0.0054	0.0464
2760895	SLC35A1	-3.0513	0.0054	0.0464
2782761	PSME4	3.1027	0.0049	0.0435
2788659	LHFPL5	-3.0513	0.0054	0.0464
2789351	PYROXD1	-3.0511	0.0054	0.0464
2779768	FAM110B	3.0508	0.0054	0.0464
2770849	1111111102	3.0505	0.0054	0.0464
2786938	RPS20	-3.0499	0.0054	0.0465
2799491	DACT2	3.0498	0.0054	0.0465
2768955	TBC1D20	-3.0497	0.0054	0.0465
2779951	C7ORF20	-3.2401	0.0035	0.0345
2794671	ALG2	3.0490	0.0054	0.0465
2784426	LARGE	3.0486	0.0054	0.0465
2774546	C18ORF51	3.0485	0.0054	0.0465
2758657	BTF3L4	3.0485	0.0054	0.0465
2767570	CTTNBP2	3.0482	0.0054	0.0465
2796139	NONO	-3.0475	0.0054	0.0466
2783760	UNC84A	-3.0471	0.0054	0.0466
2789737	01100411	3.0469	0.0054	0.0466
2779257	CAPZA2	3.0451	0.0054	0.0468
2765428	RMND1	3.0448	0.0055	0.0468
2786964	SYNCRIP	3.0436	0.0055	0.0469
2774392	DINOILI	3.0431	0.0055	0.0470
2784026	RELT	3.0420	0.0055	0.0470
2771638	GNAZ	-3.0919	0.0050	0.0470
2771038	AOF1	3.0407	0.0050 0.0055	0.0444 0.0472
2764438	RCJMB04 23A5	3.0407 3.0913	0.0050	0.0472 0.0444
2766128	KIAA0649	-3.0384	0.0056	0.0444 0.0474
2781476	DLG3	3.0383	0.0056	0.0474 0.0474
	CNTNAP2			
2780248		3.0374	0.0056	0.0475
2769863	SCG2	3.0369	0.0056	0.0475

	gene_symbols	t	P.Value	adj.P.Val
0702160				
2793168	MXD4	-3.0365	0.0056	0.0475
2790797	ANKRD10	-3.0363	0.0056	0.0475
2766417	NRBF2	-3.0362	0.0056	0.0475
2781814	DYDC1	-3.0871	0.0051	0.0446
2795296	MSH3	-3.0359	0.0056	0.0475
2777072		-3.0354	0.0056	0.0476
2773391		3.0351	0.0056	0.0476
2761087	PTPN5	3.0338	0.0056	0.0477
2764753	B5G1C5_TAEGU	3.0334	0.0056	0.0477
2766486	CACNG4	3.0842	0.0051	0.0448
2798562		-3.0316	0.0056	0.0479
2783527		3.0316	0.0056	0.0479
2784087	VPS37D	-3.0313	0.0057	0.0479
2787431	C5ORF45	-3.0311	0.0057	0.0479
2796160	OPA1	-3.0310	0.0057	0.0479
2792182	HIPK2	-3.0306	0.0057	0.0479
2759941	ACBD3	3.0304	0.0057	0.0479
2794652	PAK1IP1	3.0296	0.0057	0.0480
2792204	TMX2	-3.0283	0.0057	0.0481
2771948	PKIA	-3.0277	0.0057	0.0481
2795429	LOC395251	3.0257	0.0057	0.0484
2765264	BBS10	-3.0253	0.0057	0.0484
2774075	ETF1	3.0250	0.0057	0.0484
2760589	SBK1	3.0747	0.0052	0.0455
2796707	ATF7IP	-3.0238	0.0058	0.0485
2770726	CPLX2	-3.0234	0.0058	0.0485
2791892	ZFYVE20	-3.0231	0.0058	0.0485
2782790	C19ORF29	-3.0216	0.0058	0.0487
2768792	CLMN-1	3.0206	0.0058	0.0488
2792325	ZBTB26	3.0200	0.0058	0.0488
2789656	TSKU	3.0192	0.0058	0.0489
2765870	CP	-3.0189	0.0058	0.0489
2796638	TMEM199	-3.0175	0.0058	0.0499
2795090	NUMB	-3.0173	0.0058	0.0490
2775106	GARS	3.0174	0.0058	0.0490 0.0491
2764045	SYMENSTGUG00000017592	-3.0171	0.0058 0.0059	0.0491 0.0491
2792965 2762686	BRIX1	3.0160	0.0059	0.0491
	KCTD8 DPP7	3.0157	0.0059	0.0491
2771199		-3.0154	0.0059	0.0492
2783941	SV2C	3.0149	0.0059	0.0492
2787755	PLEKHO1	3.0146	0.0059	0.0492
2758310	PHLDB2	-3.0143	0.0059	0.0492
2772663	T. C.T.	-3.2004	0.0039	0.0369
2799463	UCHL3	3.0140	0.0059	0.0492
2767437	CHRNA4	-3.0128	0.0059	0.0494
2792524	TMEM128	-3.1987	0.0039	0.0369
2767449	RNF20	-3.0121	0.0059	0.0494
2799348	KCTD21	-3.4546	0.0022	0.0249
2759085		-3.0112	0.0059	0.0495
2770137		-3.0109	0.0059	0.0495
2764940	MLLT10	-3.0105	0.0059	0.0495
2788975	EXTL3	3.0104	0.0059	0.0495

	gene_symbols	t	P.Value	adj.P.Val
2760993	C5ORF30	-3.0095	0.0060	0.0496
2792385	VPS13D	3.0091	0.0060	0.0496
2762132	HDAC4	3.0088	0.0060	0.0496
2762291	UNC84B	-3.0084	0.0060	0.0497
2791513	CASP2	-3.0065	0.0060	0.0499
2772545	ADSS	3.0553	0.0055	0.0470
2774802	REEP2	-3.0055	0.0060	0.0500
2769256	RNPC3	-3.1902	0.0040	0.0374
2800049		3.0483	0.0056	0.0475
2763281	HS6ST1	3.0403	0.0057	0.0481
2777918		-3.1718	0.0042	0.0387
2767976	IRF2BP2	3.0370	0.0057	0.0484
2760293	MAFF	3.0316	0.0058	0.0489
2763218		-3.0287	0.0059	0.0491
2757527	NDUFA11	-3.2157	0.0039	0.0369
2796142	PABPC1	-3.1592	0.0043	0.0396
2799163	K60	-3.0247	0.0059	0.0494
2775392		-3.0227	0.0059	0.0495
2769067	XP_002198613.1	-3.1481	0.0044	0.0404
2783084	LOC427250	-3.1424	0.0045	0.0407
2785816	TCTA	-3.1376	0.0045	0.0411
2764639	WNT5B	-3.1373	0.0045	0.0411
2798265	TRIM63	-3.1138	0.0048	0.0428
2783431	HAX1	-3.1657	0.0044	0.0402
2793743	MAPK14	-3.0988	0.0050	0.0439
2772336	C2ORF77	-3.0879	0.0051	0.0446
2788745	ANUBL1	-3.0547	0.0055	0.0470
2780106	H3F3A	-3.0525	0.0055	0.0472