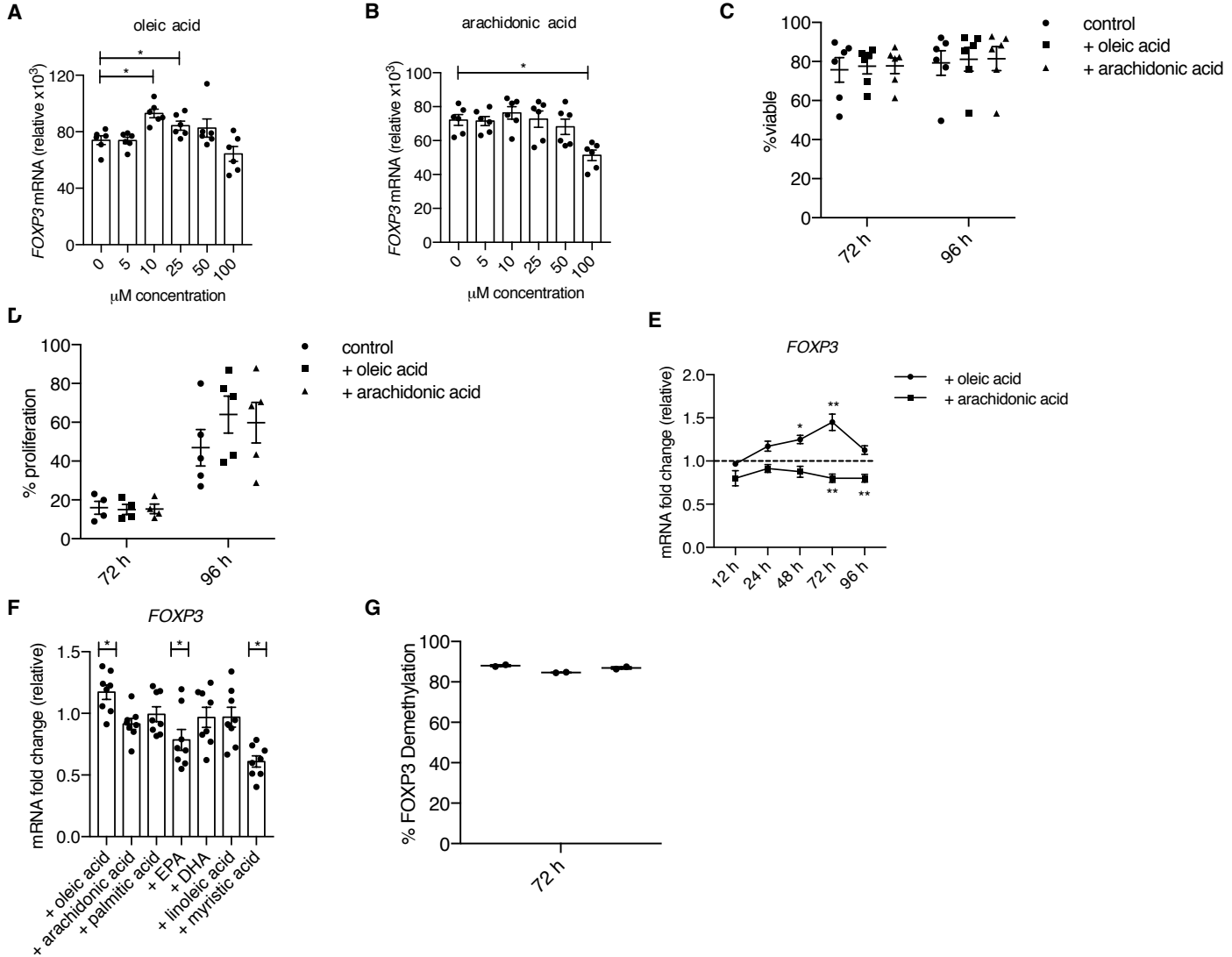
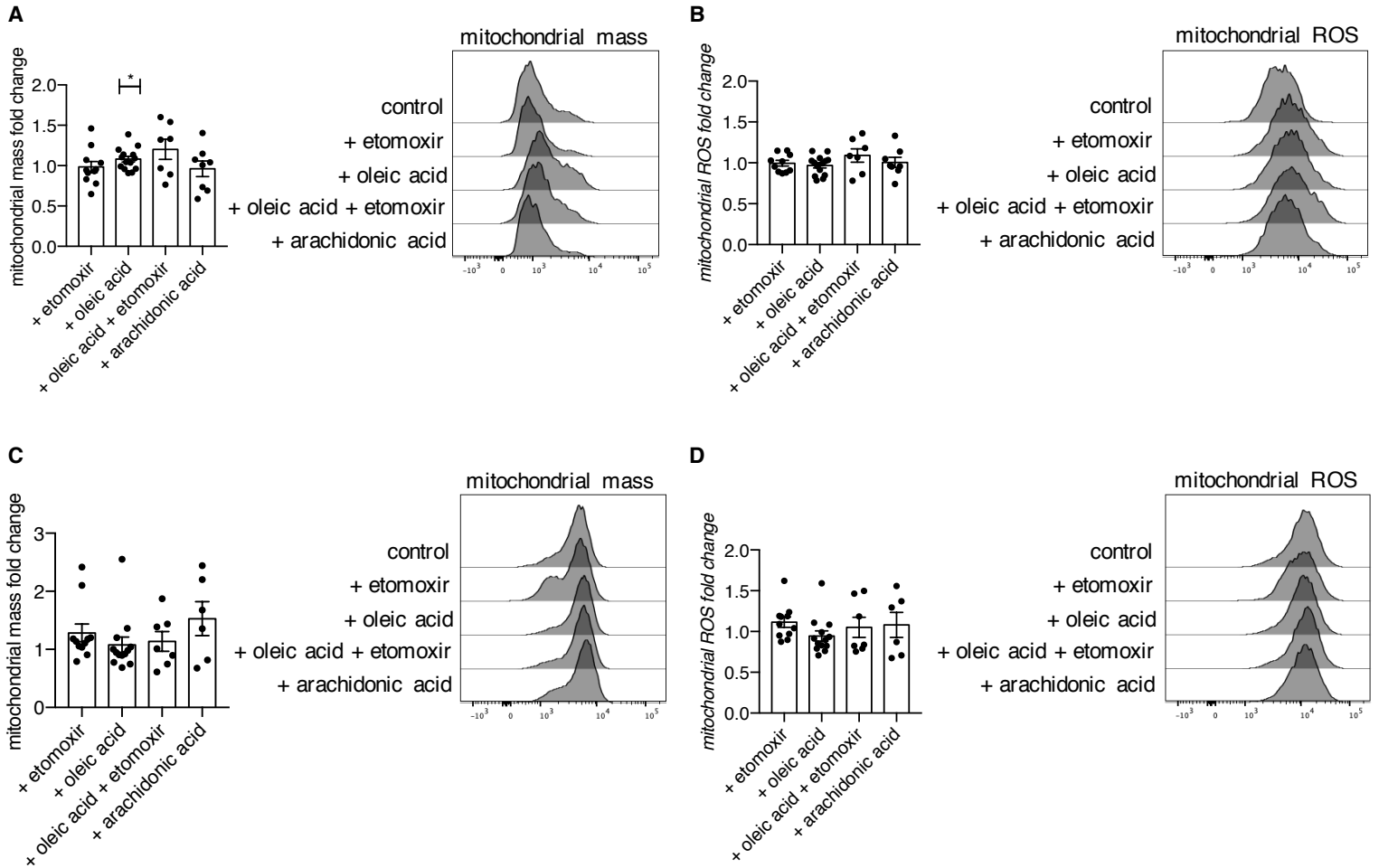


**Supplementary Figure 1. Oleic acid does not affect T<sub>reg</sub> viability or proliferation.**



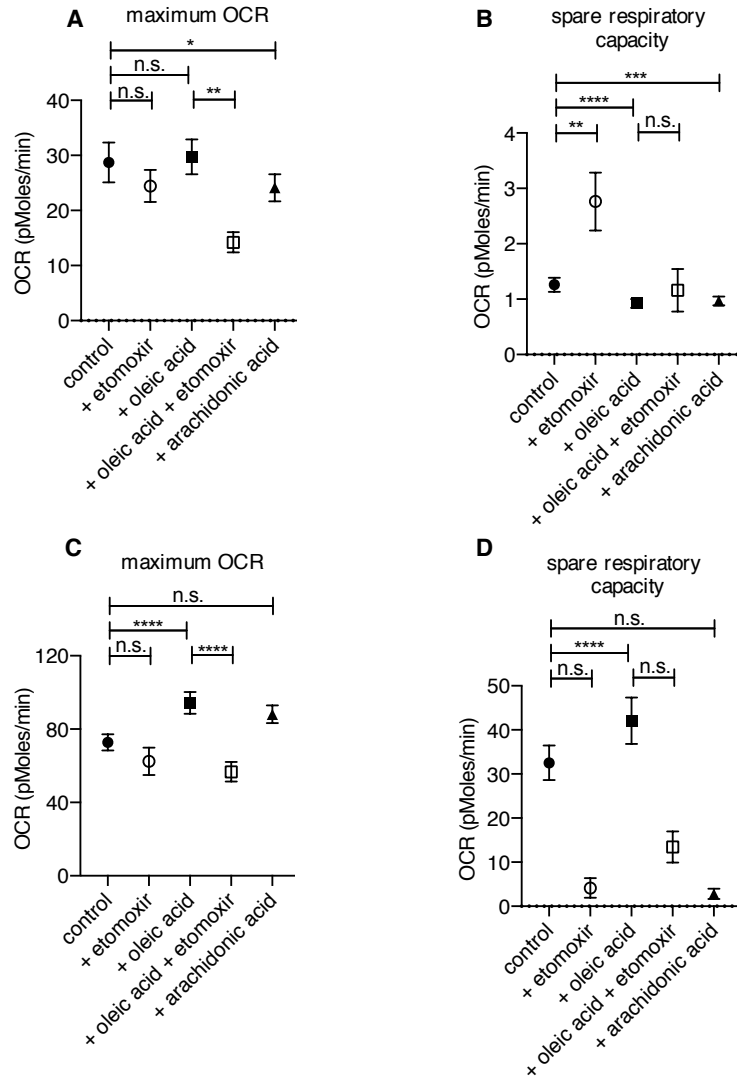
**Supplementary Figure 1. Oleic acid does not affect T<sub>reg</sub> viability or proliferation.** (A) T<sub>reg</sub>s stimulated in the presence of increasing concentrations of oleic acid. Paired t-test corrected for multiple hypothesis testing using the Holm-Sidak method; \*P < 0.05. (B) T<sub>reg</sub>s stimulated in the presence of increasing concentrations of arachidonic acid. Paired t-test corrected for multiple hypothesis testing using the Holm-Sidak method; \*P < 0.05. (C) Viability and (D) proliferation of T<sub>reg</sub>s stimulated in the presence or absence of 10  $\mu$ M oleic or arachidonic acid measured at 72 and 96 h. (E) Kinetics of FOXP3 expression in T<sub>reg</sub>s after treatment with 10  $\mu$ M of specified fatty acids relative to vehicle (n=8). Paired t-test corrected for multiple hypothesis testing using the Holm-Sidak method; \*P < 0.05; \*\*P < 0.01. (F) mRNA expression of FOXP3 in T<sub>reg</sub>s after treatment with 10  $\mu$ M oleic acid, arachidonic acid, palmitic acid, Eicosapentaenoic acid (EPA), Docosahexaenoic acid (DHA), linoleic acid, or myristic acid for 72 h. All LCFA treatment values are relative to vehicle-treated T<sub>reg</sub>s (n=8). Paired t-test corrected for multiple hypothesis testing using the Holm-Sidak method; \*P < 0.05. (G) T<sub>reg</sub>s stimulated in the presence or absence of 10  $\mu$ M oleic or arachidonic acid and analyzed for bisulfite modification and quantification of TSDR methylation by epigenetic human FOXP3 qPCR Assay (Epiontis) (n=6). Data represents mean  $\pm$  SEM.

**Supplementary Figure 2. Oleic acid increases mitochondrial mass in  $T_{regs}$ .**



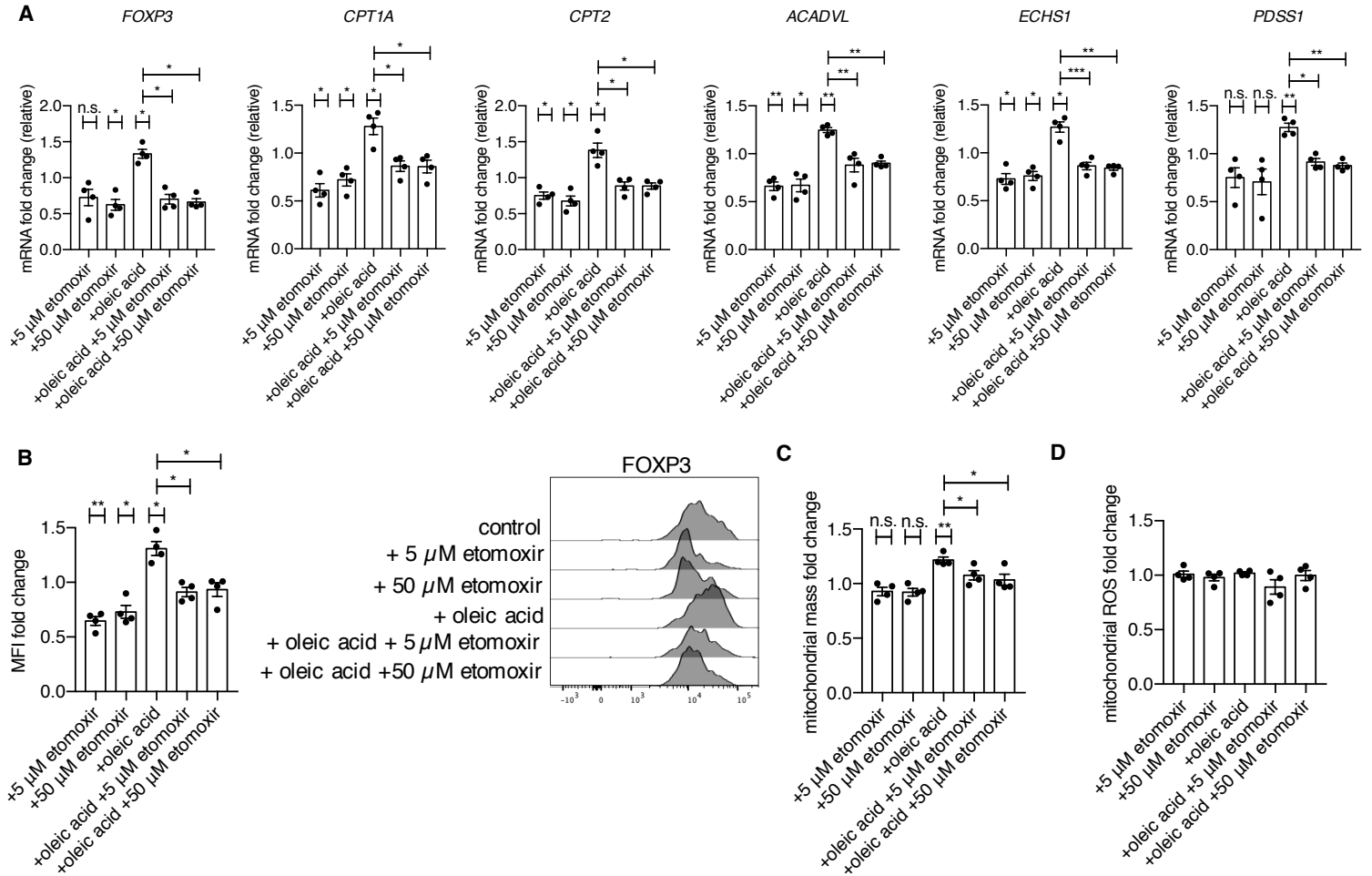
**Supplementary Figure 2. Oleic acid increases mitochondrial mass in  $T_{regs}$ .** (A) Mitochondrial mass and (B) reactive oxygen species (ROS) measured in  $T_{regs}$  stimulated in the presence or absence of etomoxir (50  $\mu$ M), oleic acid (10  $\mu$ M), oleic acid and etomoxir, or arachidonic acid (10  $\mu$ M) for 72 h. Left is summary data relative to control, and right is one representative histogram. Paired t-test corrected for multiple hypothesis testing using the Holm-Sidak method; \* $P < 0.05$ . (C) Mitochondrial mass and (D) ROS measured in  $T_{effs}$  stimulated in the presence or absence of etomoxir (50  $\mu$ M), oleic acid (10  $\mu$ M), oleic acid and etomoxir, or arachidonic acid (10  $\mu$ M) for 72 h. Left is summary data relative to control, and right is one representative histogram. Data represents mean  $\pm$  SEM.

**Supplementary Figure 3. Oleic acid does not affect mitochondrial respiration in T<sub>eff</sub> cells.**



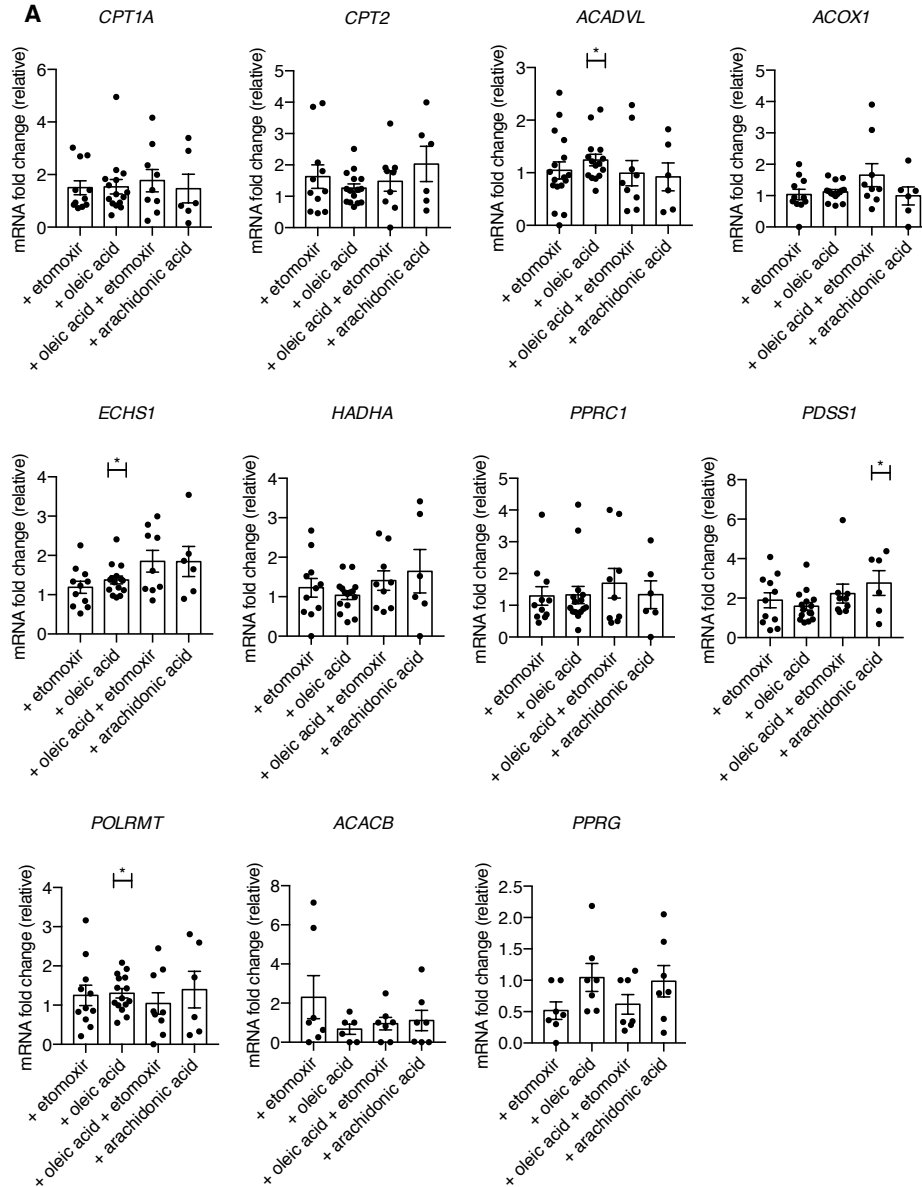
**Supplementary Figure 3. Oleic acid does not affect mitochondrial respiration in T<sub>eff</sub> cells.** (A) Maximum oxygen consumption rate (OCR) and (B) spare respiratory capacity of T<sub>regs</sub> stimulated in the presence or absence of etomoxir (50  $\mu$ M), oleic acid (10  $\mu$ M), oleic acid and etomoxir, or arachidonic acid (10  $\mu$ M) for 72 h. Graphs are a summary of n=12. Paired t-test corrected for multiple hypothesis testing using the Holm-Sidak method; \*P < 0.05; \*\*P < 0.01; \*\*\*P < 0.001; \*\*\*\* P < 0.0001; n.s. = not significant. (C) Maximum OCR and (D) spare respiratory capacity of T<sub>efs</sub> stimulated in the presence or absence of etomoxir (50  $\mu$ M), oleic acid (10  $\mu$ M), oleic acid and etomoxir, or arachidonic acid (10  $\mu$ M) for 72 h. Graphs are a summary of n=12. Paired t-test corrected for multiple hypothesis testing using the Holm-Sidak method; \*P < 0.05; \*\*P < 0.01; \*\*\*P < 0.001; \*\*\*\* P < 0.0001; n.s. = not significant. Data represents mean  $\pm$  SEM.

**Supplementary Figure 4. Both 5  $\mu$ M and 50  $\mu$ M of etomoxir show oleic acid-driven effects are dependent on CPT1.**



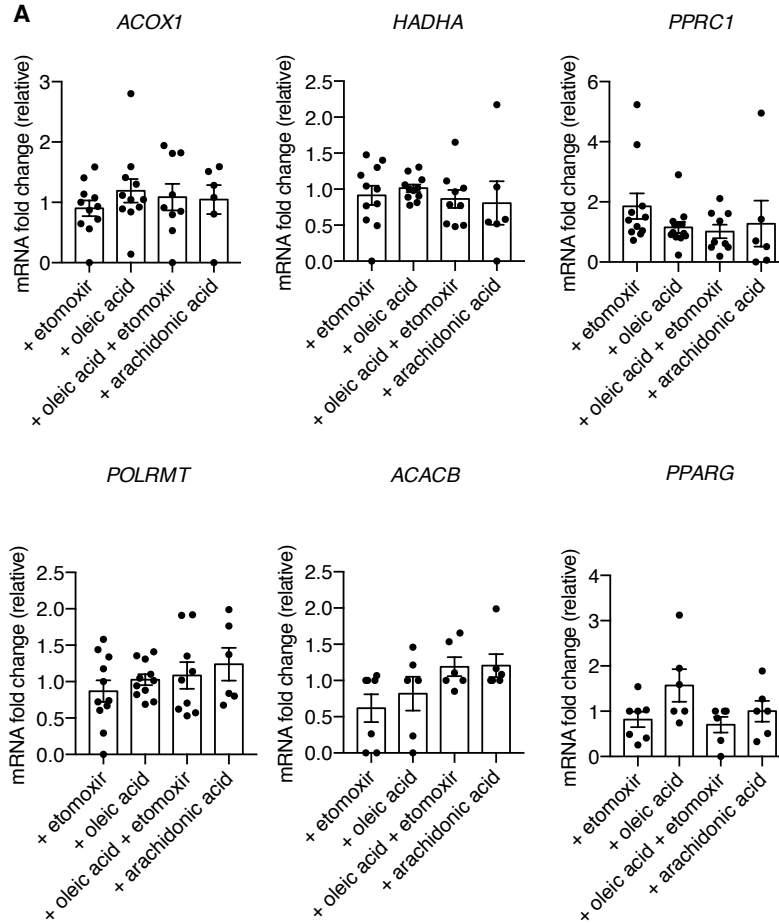
**Supplementary Figure 4. Both 5  $\mu$ M and 50  $\mu$ M of etomoxir show oleic acid-driven effects are dependent on CPT1.** (A) Fold change of mRNA expression relative to control, of indicated genes in  $T_{reg}$ s stimulated in the presence or absence of etomoxir (5 or 50  $\mu$ M), oleic acid (10  $\mu$ M), or oleic acid and etomoxir for 72 h. Paired t-test corrected for multiple hypothesis testing using the Holm-Sidak method; \* $P < 0.05$ ; \*\* $P < 0.01$ ; \*\*\* $P < 0.001$ ; n.s. = not significant. (B) Summary data (left) or one representative histogram (right), relative to control, of the expression of FOXP3 mean fluorescence intensity (MFI) in  $T_{reg}$  cells stimulated in the presence or absence of etomoxir (5 or 50  $\mu$ M), oleic acid (10  $\mu$ M), or oleic acid and etomoxir for 72 h. Paired t-test corrected for multiple hypothesis testing using the Holm-Sidak method; \* $P < 0.05$ ; \*\* $P < 0.01$ . Summary data relative to control, of (C) mitochondrial mass or (D) mitochondrial reactive oxygen species (ROS) in  $T_{reg}$  cells stimulated in the presence or absence of etomoxir (5 or 50  $\mu$ M), oleic acid (10  $\mu$ M), or oleic acid and etomoxir for 72 h. Paired t-test corrected for multiple hypothesis testing using the Holm-Sidak method; \* $P < 0.05$ ; \*\* $P < 0.01$ . Data represents mean  $\pm$  SEM.

**Supplementary Figure 5. Oleic acid-induced expression of fatty acid oxidation-related genes in T<sub>eff</sub> cells.**



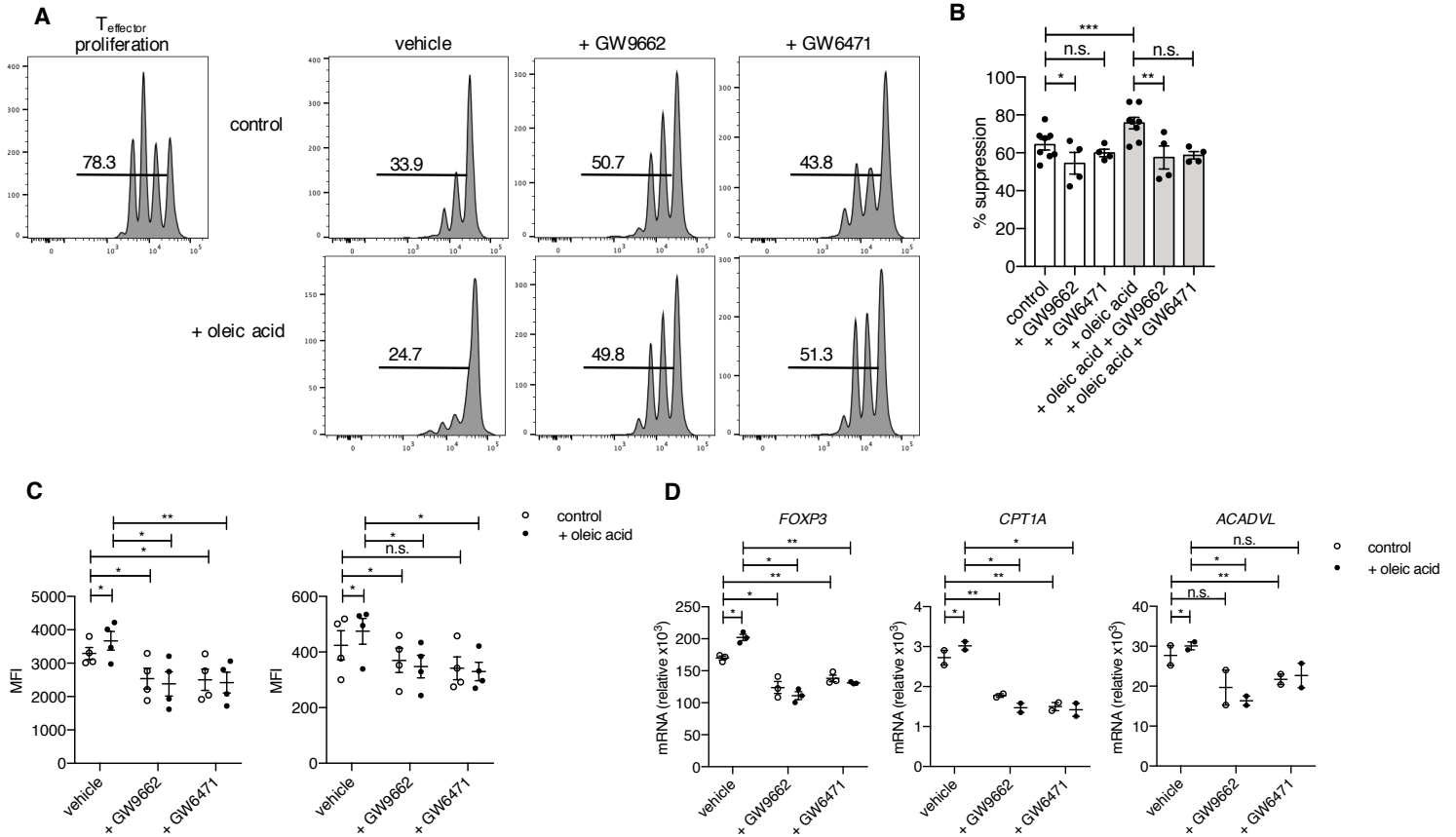
**Supplementary Figure 5. Oleic acid-induced expression of fatty acid oxidation-related genes in T<sub>eff</sub> cells. (A)** Fold change of mRNA expression relative to control, of indicated genes in T<sub>effs</sub> stimulated in the presence or absence of etomoxir (50  $\mu$ M), oleic acid (10  $\mu$ M), oleic acid and etomoxir, or arachidonic acid (10  $\mu$ M) for 72 h. Paired t-test corrected for multiple hypothesis testing using the Holm-Sidak method; \*P < 0.05. Data represents mean  $\pm$  SEM.

**Supplementary Figure 6. Oleic acid-induced expression of fatty acid oxidation-related genes in T<sub>reg</sub> cells.**



**Supplementary Figure 6. Oleic acid-induced expression of fatty acid oxidation-related genes in T<sub>reg</sub> cells. (A)** Fold change of mRNA expression relative to control, of indicated genes in T<sub>regs</sub> stimulated in the presence or absence of etomoxir (50  $\mu$ M), oleic acid (10  $\mu$ M), oleic acid and etomoxir, or arachidonic acid (10  $\mu$ M) for 72 h. Data represents mean  $\pm$  SEM.

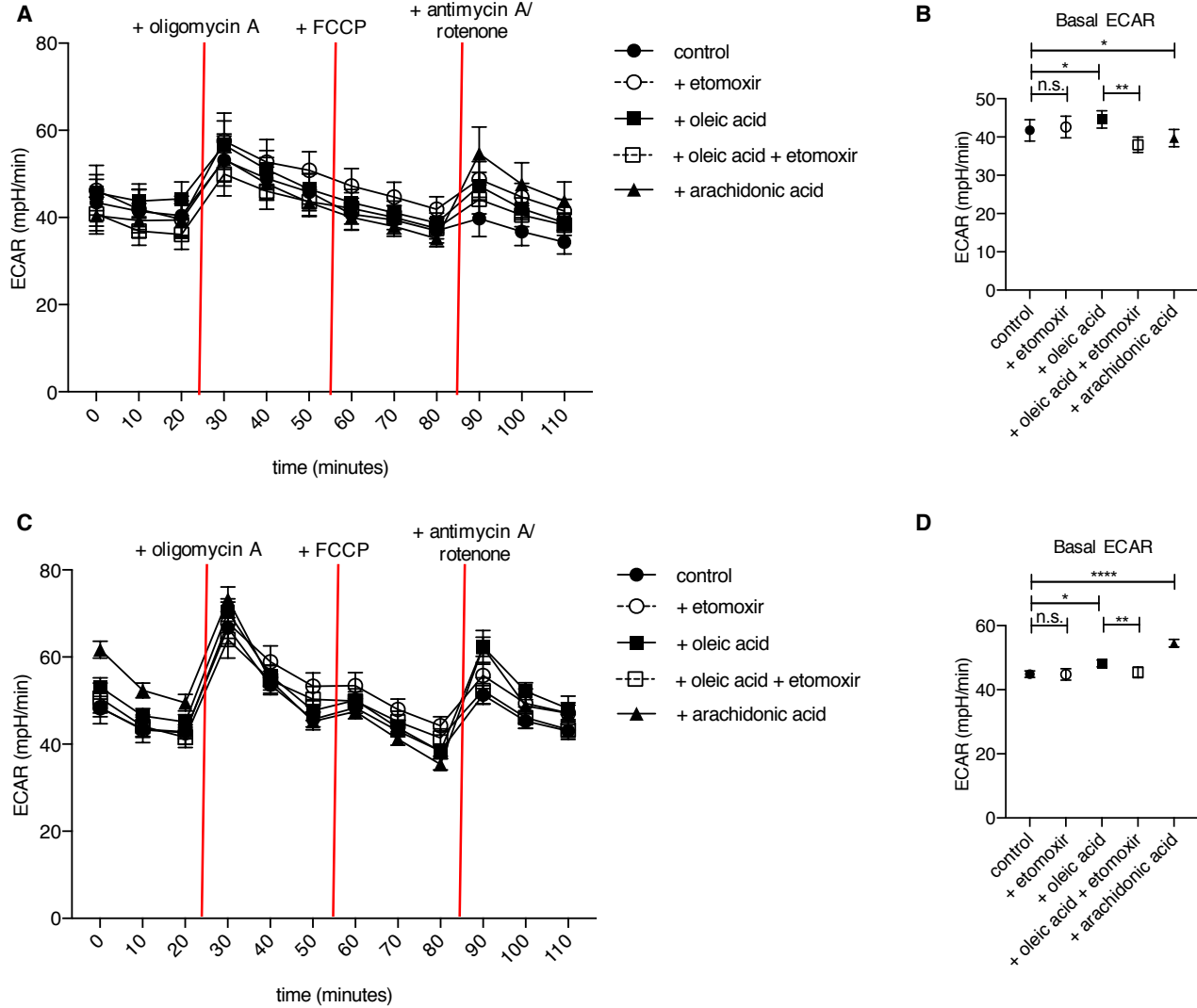
**Supplementary Figure 7. PPAR transcription factors play a role in oleic acid-mediated increased T<sub>reg</sub> suppression.**



**Supplementary Figure 7. PPAR transcription factors play a role in oleic acid-mediated increased T<sub>reg</sub> suppression. (A)**

Proliferation of T<sub>eff</sub> cells, as measured by CFSE, cultured with T<sub>regs</sub> pre-incubated with vehicle (first column), 5 μM GW9662 (second column), or 5 μM GW6471 for 72 h and co-cultured with T<sub>eff</sub> cells in the presence or absence of 10 μM oleic acid. Proliferation was measured after 4 days in co-culture with T<sub>regs</sub> (n=4). Histograms are one representative experiment at the 1:2 ratio. **(B)** Summary of suppression data as described in **(A)**, from 2 independent experiments. Paired t-test corrected for multiple hypothesis testing using the Holm-Sidak method; \*P < 0.05; \*\*P < 0.01; \*\*\*P < 0.001; n.s. = not significant. **(C)** Expression of FOXP3 (left) or FOXP3 exon 2 (right) mean fluorescence intensity (MFI) in T<sub>reg</sub> cells stimulated in the presence or absence of oleic acid (10 μM), and either vehicle, 5 μM GW9662, or 5 μM GW6471 for 72 h. (n=4). Paired t-test corrected for multiple hypothesis testing using the Holm-Sidak method; \*P < 0.05; \*\*P < 0.01; n.s. = not significant. **(D)** mRNA expression of indicated genes in T<sub>reg</sub> cells stimulated in the presence or absence of oleic acid (10 μM), and either vehicle, 5 μM GW9662, or 5 μM GW6471 for 72 h. (n=4). Paired t-test corrected for multiple hypothesis testing using the Holm-Sidak method; \*P < 0.05; \*\*P < 0.01; n.s. = not significant. Data represents mean ± SEM.

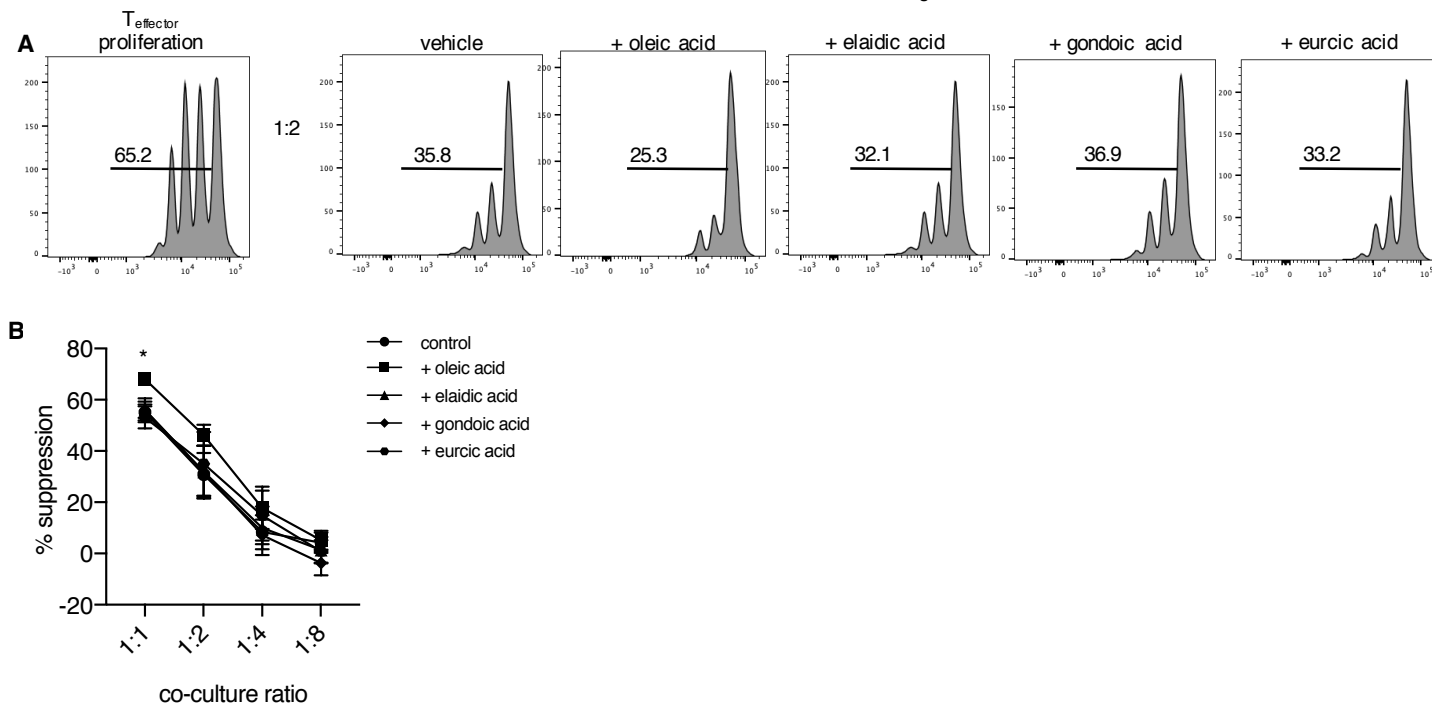
**Supplementary Figure 8. Oleic acid does not drive ECAR in T<sub>regs</sub> or T<sub>eff</sub> cells.**



**Supplementary Figure 8. Oleic acid does not drive ECAR in T<sub>regs</sub> or T<sub>eff</sub> cells.** (A) Extracellular acidification rate (ECAR) of T<sub>regs</sub> stimulated in the presence or absence of etomoxir (50  $\mu$ M), oleic acid (10  $\mu$ M), oleic acid and etomoxir, or arachidonic acid (10  $\mu$ M) for 72 h (n=12). (B) Summary data of basal ECAR in T<sub>regs</sub> stimulated with the same conditions described in (A). Paired t-test corrected for multiple hypothesis testing using the Holm-Sidak method; \*P < 0.05; \*\*P < 0.01; n.s. = not significant. (C) ECAR of T<sub>eff</sub> stimulated in the presence or absence of etomoxir (50  $\mu$ M), oleic acid (10  $\mu$ M), oleic acid and etomoxir, or arachidonic acid (10  $\mu$ M) for 72 h (n=12). (D) Summary data of basal ECAR in T<sub>eff</sub> stimulated with the same conditions as (C). Paired t-test corrected for multiple hypothesis testing using the Holm-Sidak method; \*P < 0.05; \*\*P < 0.01; \*\*\*P < 0.001; \*\*\*\*P < 0.0001; n.s. = not significant. Data represents mean  $\pm$  SEM.

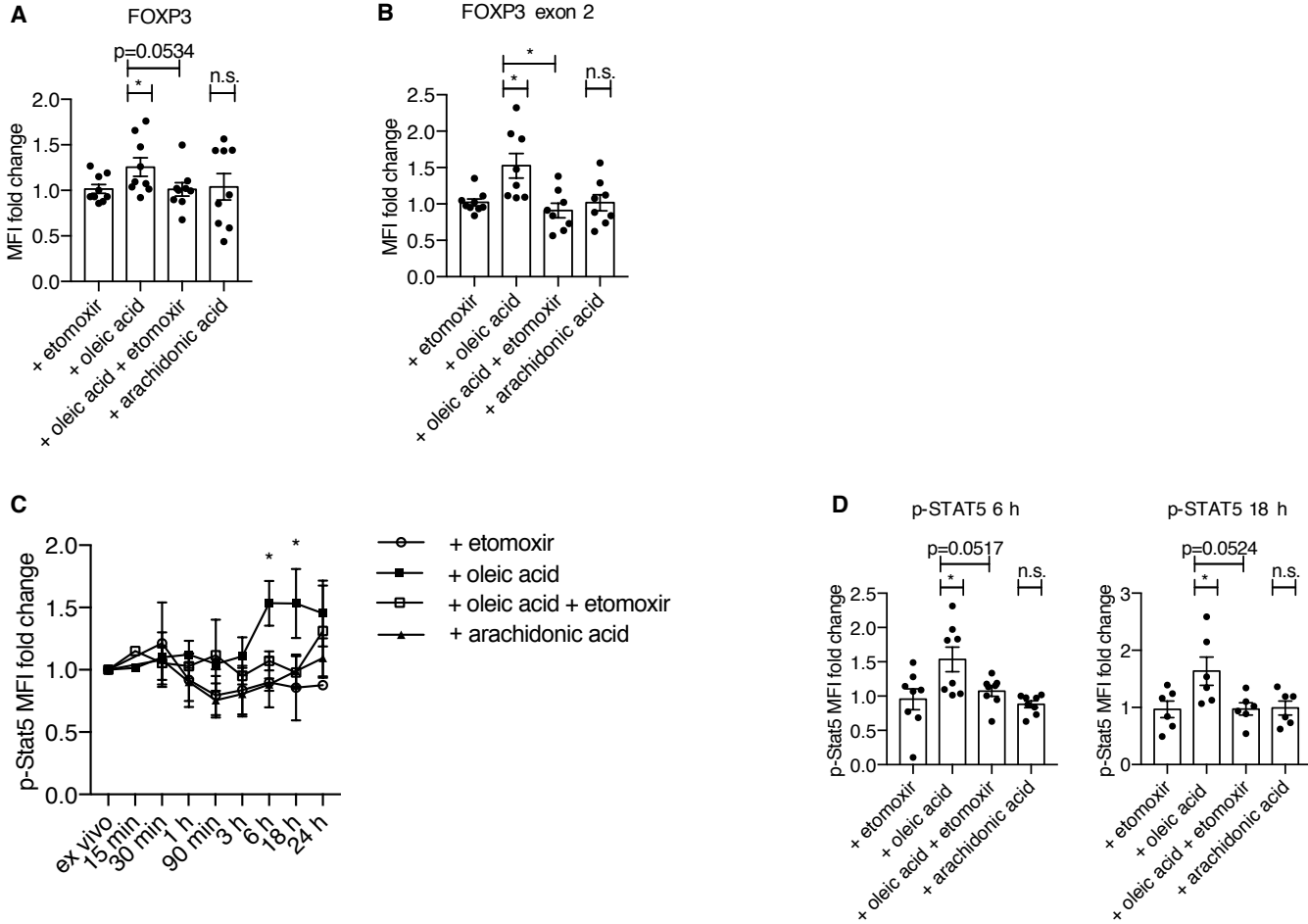


**Figure 9. Other omega-9 fatty acids do not increase suppressive capacity of T<sub>regs</sub>.**



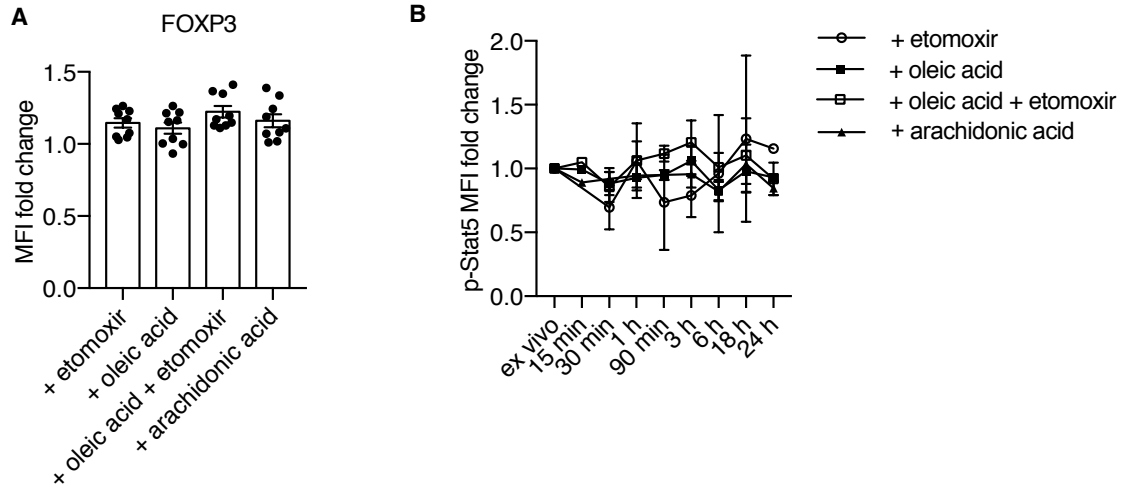
**Supplementary Figure 9. Other omega-9 fatty acids do not increase suppressive capacity of T<sub>regs</sub>.** (A) Proliferation of T<sub>reg</sub> cells, as measured by CFSE, cultured with T<sub>regs</sub> pre-incubated with vehicle (first column), 10  $\mu$ M oleic acid (second column), 10  $\mu$ M elaidic acid (third column), 10  $\mu$ M gondoic acid (fourth column), or 10  $\mu$ M eurcic acid (fifth column) for 72 h. Proliferation was measured after 4 days of co-culture (n=4). Histograms are one representative experiment at the 1:2 ratio. (B) Summary of suppression data as described in (A), from 2 independent experiments. Paired t-test corrected for multiple hypothesis testing using the Holm-Sidak method; \*P < 0.05. Data represents mean  $\pm$  SEM.

**Supplementary Figure 10. Oleic acid-induced expression of FOXP3 and STAT5 phosphorylation in T<sub>reg</sub> cells.**



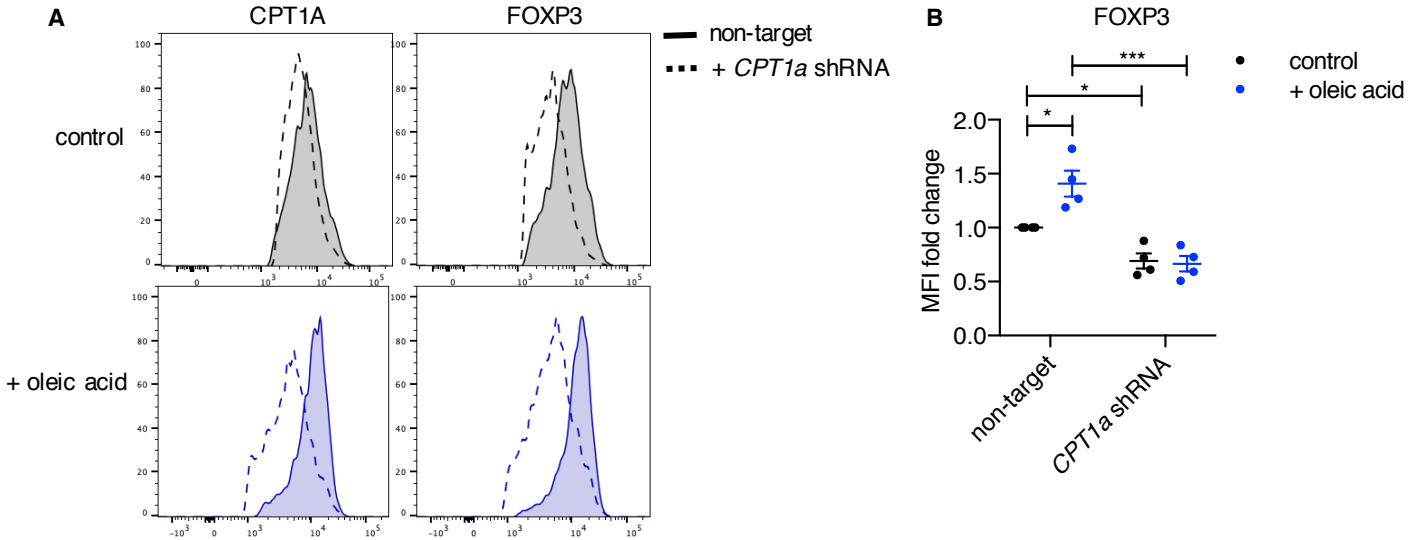
**Supplementary Figure 10. Oleic acid-induced expression of FOXP3 and STAT5 phosphorylation in T<sub>reg</sub> cells.** Summary data, relative to control, of the expression of **(A)** FOXP3 or **(B)** FOXP3 exon 2 mean fluorescence intensity (MFI) in T<sub>reg</sub> cells stimulated in the presence or absence of etomoxir (50  $\mu$ M), oleic acid (10  $\mu$ M), oleic acid and etomoxir, or arachidonic acid (10  $\mu$ M) for 72 h. Paired t-test corrected for multiple hypothesis testing using the Holm-Sidak method; \* $P < 0.05$ ; n.s. = not significant. **(C)** Kinetics of STAT5 phosphorylation, relative to control, in T<sub>regs</sub> stimulated with conditions described in **(A)** ( $n=8$ ) Paired t-test corrected for multiple hypothesis testing using the Holm-Sidak method; \* $P < 0.05$ . **(D)** One representative experiment of STAT5 phosphorylation, relative to control, in T<sub>regs</sub> after 6 h (left) and 18 h (right) of stimulation in the presence of conditions described in **(A)** Paired t-test corrected for multiple hypothesis testing using the Holm-Sidak method; \* $P < 0.05$ ; n.s. = not significant. Data represents mean  $\pm$  SEM.

Supplementary Figure 11. Expression of FOXP3 and phosphorylation of STAT5 are not upregulated by oleic acid in T<sub>eff</sub>.



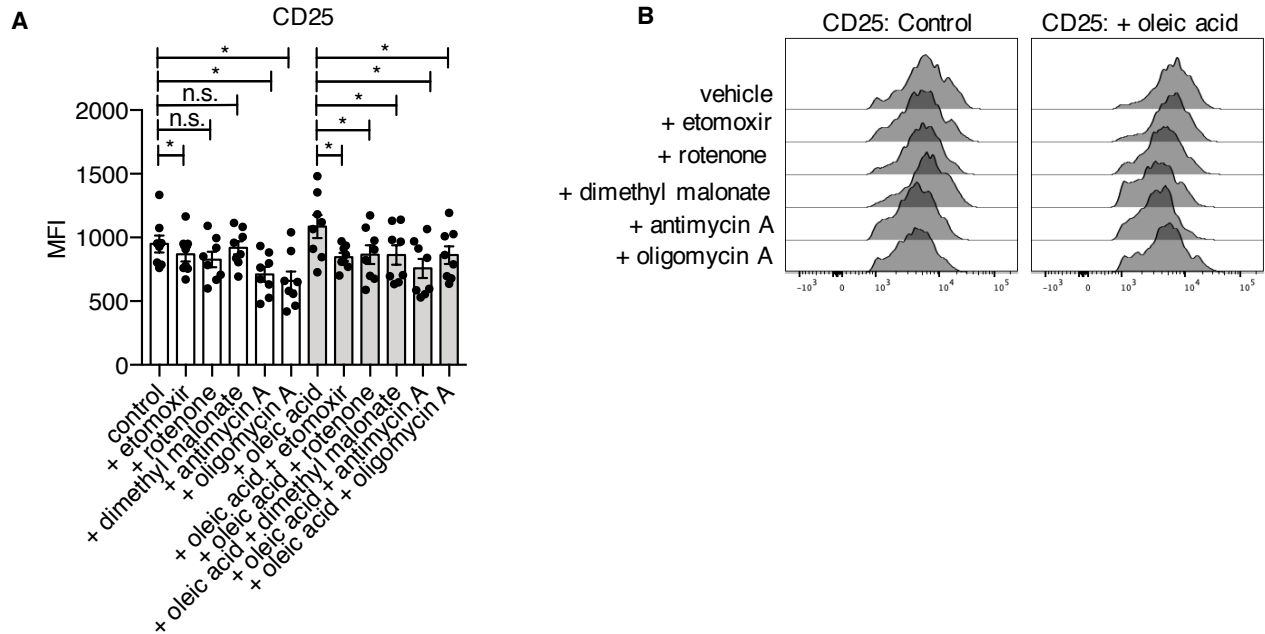
**Supplementary Figure 11. Expression of FOXP3 and phosphorylation of STAT5 are not upregulated by oleic acid in T<sub>eff</sub>. (A)** Summary data, relative to control, of the expression of FOXP3 mean fluorescence intensity (MFI) in T<sub>eff</sub> cells stimulated in the presence or absence of etomoxir (50  $\mu$ M), oleic acid (10  $\mu$ M), oleic acid and etomoxir, or arachidonic acid (10  $\mu$ M) for 72 h. **(B)** Kinetics of STAT5 phosphorylation, relative to control, in T<sub>eff</sub> stimulated with conditions described in **(A)** (n=8). Data represents mean  $\pm$  SEM.

**Supplementary Figure 12. CPT1A knockdown in T<sub>regs</sub>**



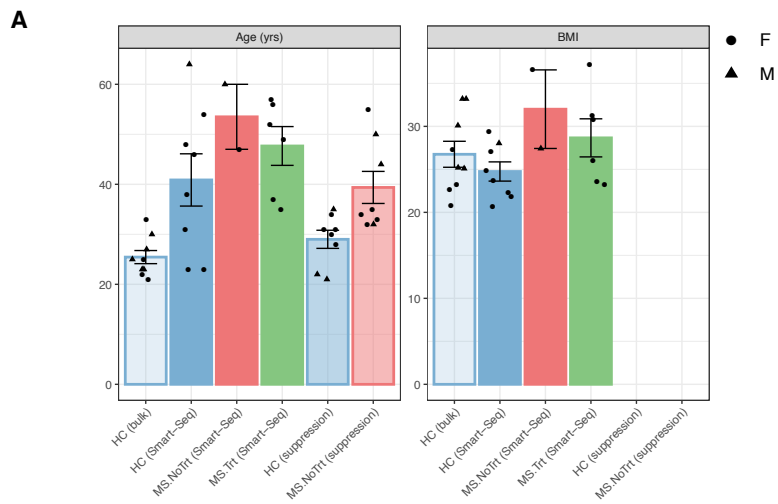
**Supplementary Figure 12. CPT1A knockdown in T<sub>regs</sub>.** (A) One representative experiment showing protein level knockdown for CPT1A and FOXP3 in control and oleic acid treated conditions. (B) Summary of mean fluorescence intensity (MFI) for FOXP3 protein staining upon CPT1A knockdown in T<sub>regs</sub> in the presence or absence 10  $\mu$ M of oleic acid after 72 h. Paired t-test corrected for multiple hypothesis testing using the Holm-Sidak method; \*P < 0.05; \*\*P < 0.01; \*\*\*P < 0.001. Data represents mean  $\pm$  SEM.

**Supplementary Figure 13. CD25 expression is dependent on mitochondrial respiration.**



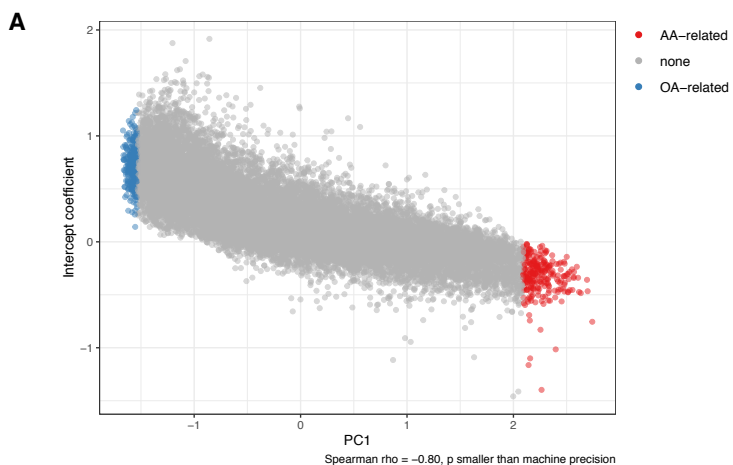
**Supplementary Figure 13. CD25 expression is dependent on mitochondrial respiration. (A)** Mean fluorescence intensity (MFI) of CD25 T<sub>regs</sub> stimulated in the presence or absence of 50  $\mu$ M etomoxir, 1  $\mu$ M rotenone, 10 mM dimethyl malonate, 1  $\mu$ M antimycin A, or 1  $\mu$ M oligomycin A for 72 h. (n=8). Paired t-test corrected for multiple hypothesis testing using the Holm-Sidak method; \*P < 0.05; n.s. = not significant. **(B)** One representative histogram plot from summary data in **(A)**. Data represents mean  $\pm$  SEM.

### Supplementary Figure 14. Donor Information



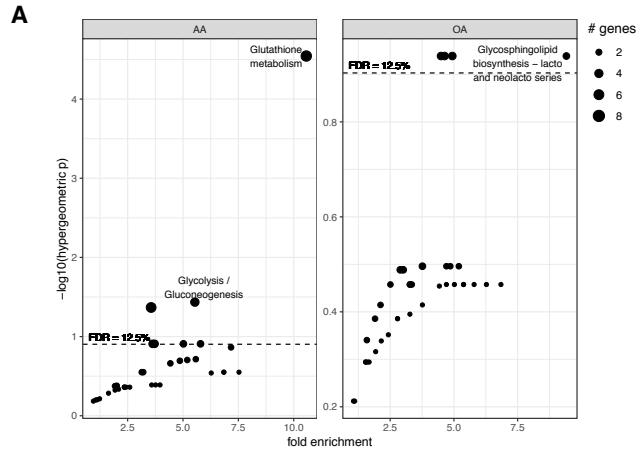
**Supplementary Figure 14. Donor Information. (A)** Mean and SEM error bars for age and body mass index (BMI) of the donors whose samples were used in the bulk RNA-Seq, single-cell Smart-Seq, and suppression assays. Self-reported height and weight, and BMI were recorded only for the RNA assays.

**Supplementary Figure 15. PC1 correlates with the intercept of a linear model that infers oleic versus arachidonic acid effects**



**Supplementary Figure 15. PC1 correlates with intercept of linear models to infer oleic versus arachidonic specific effects. (A)** Correlation of PC1 loadings and intercept of a direct model comparison (Methods) per gene, colored dots are the bottom and top 250 genes by PC1 loading defined as the oleic- and arachidonic acid related genes.

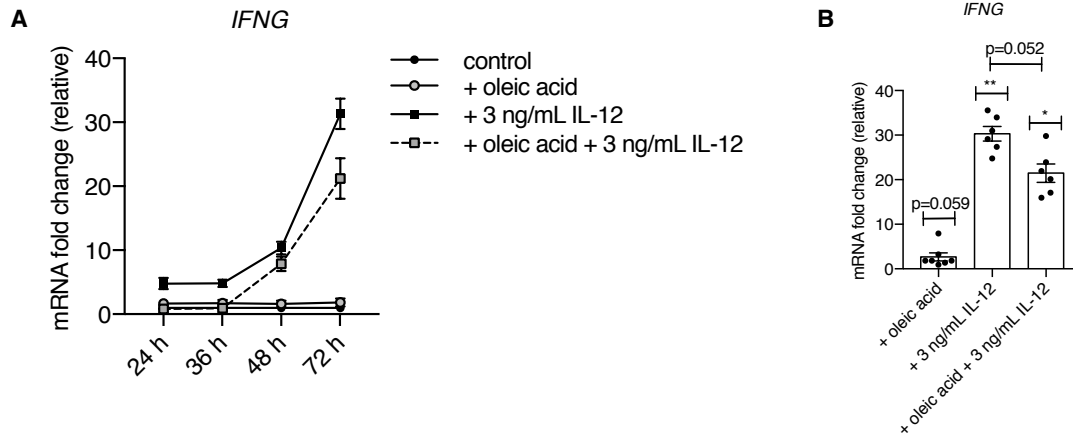
Supplementary Figure 16. Enrichment of KEGG pathways in the oleic and arachidonic acid transcriptome modules



**Supplementary Figure 16. Enrichment of KEGG pathways in the oleic and arachidonic acid transcriptome modules. (A)** Hypergeometric enrichment was computed for the oleic and arachidonic acid gene modules of the computational transcriptomic signature (Methods) in KEGG metabolic pathways. P-values were adjusted for multiple comparisons with the Benjamini-Hochberg method. Dot size represents the number of genes overlapping between a fatty acid module and a KEGG pathway.

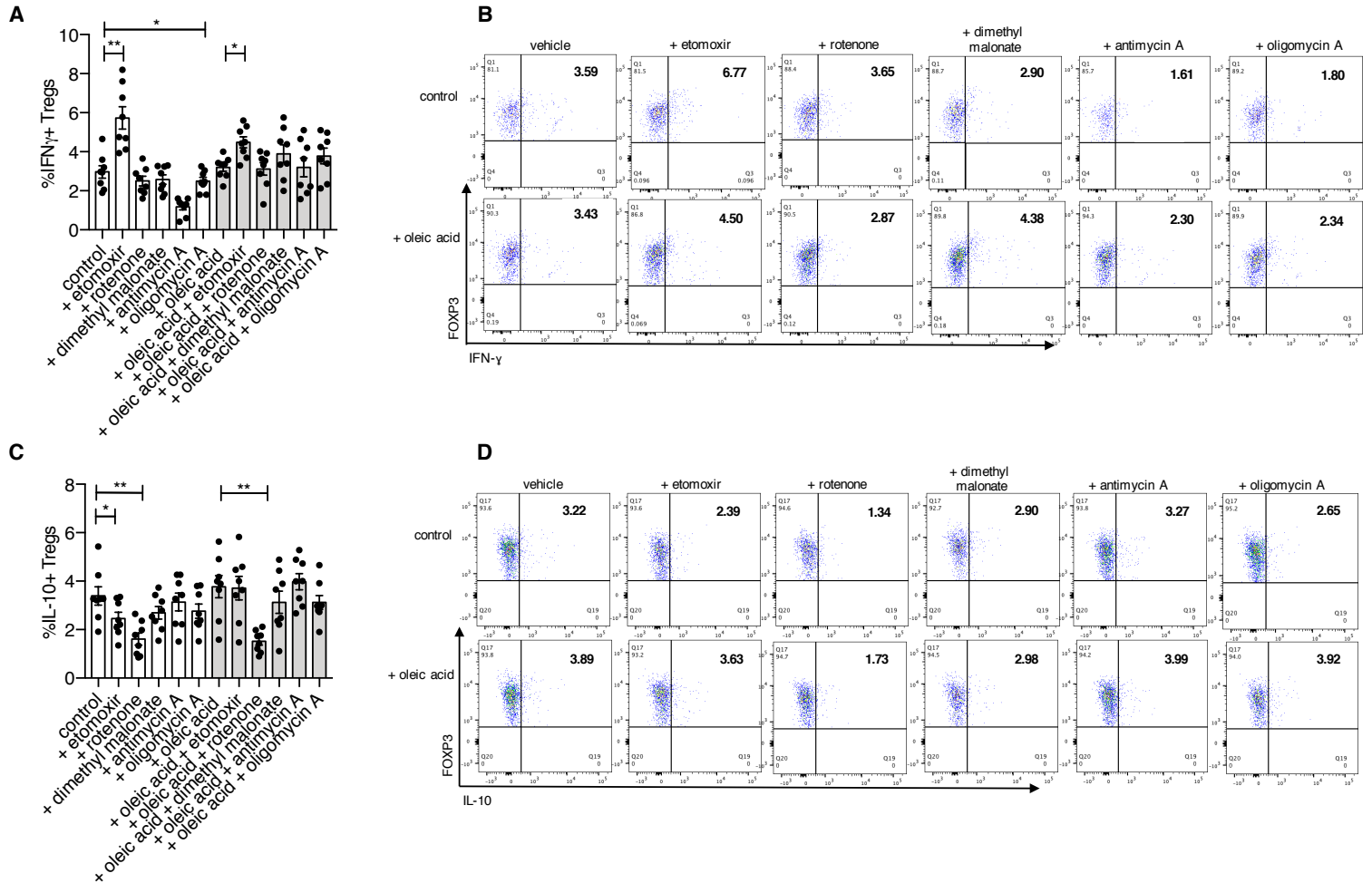


Supplementary Figure 17. Oleic acid treatment can counteract inflammatory signals.



Supplementary Figure 17. Oleic acid treatment can counteract inflammatory signals. (A) Kinetics of *IFNG* expression, relative to control, in  $T_{reg}$ s treated with 10  $\mu$ M oleic acid, 3 ng/mL IL-12, or both oleic acid and IL-12 (n=6). (B) Summary of (A) at 72 h. (n=6). Paired t-test corrected for multiple hypothesis testing using the Holm-Sidak method; \*P < 0.05; \*\*P < 0.01. Data represents mean  $\pm$  SEM.

**Supplementary Figure 18. Mitochondrial respiration influences expression of cytokines in T<sub>regs</sub>**



**Supplementary Figure 18. Mitochondrial respiration influences expression of cytokines in T<sub>regs</sub>** (A) Mean fluorescence intensity (MFI) of IFN- $\gamma$  in T<sub>regs</sub> stimulated in the presence or absence 10  $\mu$ M oleic acid, and 50  $\mu$ M etomoxir, 1  $\mu$ M rotenone, 10 mM dimethyl malonate, 1  $\mu$ M antimycin A, or 1  $\mu$ M oligomycin A for 72 h. Prior to fixation and antibody staining, T<sub>regs</sub> were stimulated for 4 hours with phorbol 12-myristate 13-acetate (PMA) and ionomycin in the presence of Golgistop (n=8). Paired t-test corrected for multiple hypothesis testing using the Holm-Sidak method; \*P < 0.05; \*\*P < 0.01. (B) One representative histogram of summary data in (A). (C) Mean fluorescence intensity (MFI) of IL-10 in T<sub>regs</sub> stimulated in the presence or absence 10  $\mu$ M oleic acid, and 50  $\mu$ M etomoxir, 1  $\mu$ M rotenone, 10 mM dimethyl malonate, 1  $\mu$ M antimycin A, or 1  $\mu$ M oligomycin A for 72 h. Prior to fixation and antibody staining, T<sub>regs</sub> were stimulated for 4 hours with phorbol 12-myristate 13-acetate (PMA) and ionomycin in the presence of Golgistop (n=8). Paired t-test corrected for multiple hypothesis testing using the Holm-Sidak method; \*P < 0.05; \*\*P < 0.01. (D) One representative histogram of summary data in (C). Data represents mean  $\pm$  SEM.

**Supplementary Table 1. Donor demographics for bulk RNA sequencing of T<sub>regs</sub> treated with oleic or arachidonic acid**

Age	Height (cm)	Weight (kg)	BMI	Gender	Date Collected	Date Processed	Date Sequenced
21	170.1	65.8	22.7	F	6-18-18	6-24-18	6-28-18
30	193.0	93.9	25.2	M	6-19-18	6-24-18	6-28-18
23	175.3	102.1	33.2	M	8-6-18	8-13-18	8-20-18
33	162.6	61.2	23.2	F	8-6-18	8-13-18	8-20-18
22	154.9	49.9	20.8	F	8-6-18	8-13-18	8-20-18
25	160.0	69.9	27.3	F	1-7-19	1-7-19	1-25-19
25	182.9	83.9	25.1	M	1-7-19	1-7-19	1-25-19
27	177.8	95.3	30.1	M	1-7-19	1-7-19	1-25-19
23	175.3	102.1	33.2	M	1-7-19	1-7-19	1-25-19

**Supplementary Table 1. Donor demographics for bulk RNA sequencing of T<sub>regs</sub> treated with oleic or arachidonic acid.** Age, height, weight, body mass index (BMI), gender, and processing dates for peripheral blood T<sub>regs</sub> from healthy subjects used for bulk sequencing after stimulated in the presence of oleic or arachidonic acid.

**Supplementary Table 2. Transcriptomic signature of oleic- vs. arachidonic stimuli**

symbol	limma-based analysis					PC1-based analysis		
	logFC	AveExpr	t	P.Value	adj.P.Val	B	PC1	PC1 gene module
GDA	1.382	1.0695	10.653	1.19E-06	0.003	5.91	-1.4859	none
EPHB4	1.211	0.9936	9.7736	2.56E-06	0.003	5.23	-1.4756	none
IGDCC3	1.402	1.1349	9.4921	3.32E-06	0.003	4.99	-1.2976	none
A4GALT	1.423	1.2497	9.3523	3.78E-06	0.003	4.87	-1.2301	none
FAM117A	1.168	0.9322	9.2526	4.15E-06	0.003	4.79	-1.0209	none
TUBB4A	1.412	0.9808	9.2047	4.34E-06	0.003	4.75	-1.2581	none
GIN53	1.154	0.9533	9.0167	5.20E-06	0.003	4.58	-1.1929	none
ZSCAN2	1.131	0.8166	8.9607	5.49E-06	0.003	4.53	-1.2315	none
GPR173	1.162	0.9122	8.9532	5.53E-06	0.003	4.52	-1.1335	none
CSF2RA	1.18	0.9632	8.95	5.55E-06	0.003	4.52	-1.28	none
BTNL9	1.196	0.947	8.9473	5.56E-06	0.003	4.52	-1.3063	none
RIMS2	1.155	0.9478	8.9143	5.74E-06	0.003	4.49	-1.2264	none
SLC19A3	1.389	1.1266	8.8942	5.86E-06	0.003	4.47	-1.2381	none
ARSE	1.353	1.095	8.8918	5.87E-06	0.003	4.47	-0.9005	none
DMWD	1.128	0.9113	8.8768	5.96E-06	0.003	4.45	-1.3384	none
PCGF6	1.054	0.7806	8.8508	6.11E-06	0.003	4.43	-1.2517	none
COPS7B	1.17	0.9709	8.7965	6.45E-06	0.003	4.38	-1.3272	none
WNK4	1.042	0.8473	8.7817	6.54E-06	0.003	4.37	-1.5055	none
ZNF726	1.564	1.2707	8.7793	6.56E-06	0.003	4.37	-0.951	none
SMPD3	1.119	0.9216	8.7616	6.67E-06	0.003	4.35	-1.3286	none
MAPK3	1.004	0.7429	8.7358	6.85E-06	0.003	4.33	-0.7326	none
REPS1	1.241	1.0258	8.693	7.14E-06	0.003	4.29	-1.1675	none
ZNF90	1.185	0.9639	8.69	7.16E-06	0.003	4.28	-1.3105	none
RAB5B	1.054	0.8049	8.6853	7.20E-06	0.003	4.28	-1.5151	none
ZNF169	1.045	0.8424	8.6768	7.26E-06	0.003	4.27	-1.5196	none
PANO1	1.172	0.8659	8.6512	7.45E-06	0.003	4.25	-1.147	none
MYH7B	1.048	0.887	8.5909	7.91E-06	0.003	4.19	-1.365	none
SEMA6B	1.26	1.0597	8.5749	8.04E-06	0.003	4.18	-1.1662	none
TSEN2	1.222	0.9777	8.5738	8.05E-06	0.003	4.17	-1.2215	none
GAB3	1.13	1.0347	8.5084	8.60E-06	0.003	4.11	-1.0922	none
PADI4	1.058	0.7957	8.5051	8.63E-06	0.003	4.11	-1.4457	none
AP3B2	1.147	0.8956	8.4999	8.67E-06	0.003	4.1	-1.4958	none
ARNT2	1.1	0.8447	8.4908	8.75E-06	0.003	4.1	-1.3079	none
PHLDB1	1.13	0.9314	8.4644	8.99E-06	0.003	4.07	-1.4808	none
CYP3A43	0.992	0.7851	8.4553	9.07E-06	0.003	4.06	-1.0946	none
ABCA8	0.954	0.7071	8.4469	9.15E-06	0.003	4.05	-1.1935	none
COG7	1.509	1.2902	8.4046	9.55E-06	0.003	4.01	-1.1816	none
SIRT5	1.056	0.8016	8.4025	9.58E-06	0.003	4.01	-1.2781	none

CNTNAP3E	1.002	0.7953	8.4007	9.59E-06	0.003	4.01	-1.4494	none
ZNF674	1.301	1.0325	8.3881	9.72E-06	0.003	4	-1.5118	none
AS3MT	1.049	0.9075	8.3599	1.00E-05	0.003	3.97	-1.5306	none
CHMP1B	0.961	0.7105	8.3586	1.00E-05	0.003	3.97	-1.1124	none
PLA2G4C	1.247	1.0659	8.3272	1.03E-05	0.003	3.94	-1.4285	none
SLC1A2	0.928	0.7001	8.3123	1.05E-05	0.003	3.92	-1.443	none
FAM221B	1.026	0.8067	8.2892	1.08E-05	0.003	3.9	-0.9206	none
PIWIL2	0.907	0.632	8.2324	1.14E-05	0.003	3.85	-0.836	none
ZNF527	1.12	0.9059	8.2099	1.17E-05	0.003	3.82	-0.9552	none
ITGA10	0.972	0.7904	8.2076	1.17E-05	0.003	3.82	-1.291	none
FAM178B	1.087	0.8647	8.204	1.18E-05	0.003	3.82	-1.1762	none
SUDS3	1.042	0.8515	8.1891	1.19E-05	0.003	3.8	-1.1361	none
DLST	1.16	0.9146	8.1624	1.23E-05	0.003	3.78	-1.383	none
RASGEF1B	1.35	1.1745	8.1391	1.26E-05	0.003	3.75	-1.1252	none
LRRC49	1.33	1.0191	8.1335	1.27E-05	0.003	3.75	-1.2779	none
LRRC8E	0.973	0.7705	8.081	1.34E-05	0.003	3.7	-1.5287	none
HECW1	1.118	0.8601	8.0758	1.34E-05	0.003	3.69	-1.4642	none
TCF23	0.957	0.7457	8.0728	1.35E-05	0.003	3.69	-1.6057	OA-related
TLE2	1.229	0.9549	8.0618	1.36E-05	0.003	3.68	-1.3341	none
PCNX2	1.029	0.8807	8.0431	1.39E-05	0.003	3.66	-1.2594	none
TMEM145	1.192	1.0017	8.031	1.41E-05	0.003	3.65	-1.2669	none
WDR59	1.227	1.0095	8.0214	1.42E-05	0.003	3.64	-1.2873	none
KLC4	1.281	1.0821	8.0203	1.43E-05	0.003	3.64	-1.2248	none
FN3K	1.125	0.8946	8.0078	1.44E-05	0.003	3.62	-1.1952	none
ZNF684	0.959	0.7163	7.9913	1.47E-05	0.003	3.61	-1.2584	none
TBC1D30	1.114	0.8754	7.9754	1.50E-05	0.003	3.59	-1.3227	none
EVI5	1.055	0.9232	7.964	1.51E-05	0.003	3.58	-1.0819	none
TVP23C	1.098	0.8788	7.963	1.52E-05	0.003	3.58	-1.2603	none
VASH2	1.309	1.1433	7.932	1.57E-05	0.003	3.55	-1.1479	none
ZNF556	0.916	0.6976	7.9251	1.58E-05	0.003	3.54	-1.5733	OA-related
FRMPD1	1.065	0.8317	7.9243	1.58E-05	0.003	3.54	-1.2668	none
IL31RA	0.97	0.7734	7.9225	1.58E-05	0.003	3.54	-1.3996	none
MOB3B	1.055	0.8222	7.9143	1.60E-05	0.003	3.53	-1.531	none
FMO3	1.149	0.9374	7.9143	1.60E-05	0.003	3.53	-1.4726	none
ATL2	1.112	0.8472	7.8892	1.64E-05	0.003	3.5	-1.4119	none
MROH8	1.074	0.7536	7.8833	1.65E-05	0.003	3.5	-1.1909	none
SLC9A6	0.96	0.7719	7.8806	1.65E-05	0.003	3.49	-1.0024	none
INMT	0.987	0.7624	7.8802	1.66E-05	0.003	3.49	-1.5664	OA-related
RASSF6	1.05	0.8464	7.8726	1.67E-05	0.003	3.49	-1.295	none
TLCD2	0.916	0.7042	7.859	1.69E-05	0.003	3.47	-1.6334	OA-related

ATP8B1	1.384	1.2569	7.8565	1.70E-05	0.003	3.47	-0.697	none
ACE	1.083	0.8805	7.8246	1.76E-05	0.003	3.44	-1.5817	OA-related
PSD3	1.423	1.1777	7.8233	1.76E-05	0.003	3.44	-0.8647	none
NMT2	1.016	0.7854	7.8188	1.77E-05	0.003	3.43	-1.5005	none
CCDC40	1.121	0.9208	7.8107	1.78E-05	0.003	3.42	-1.3009	none
FAM129C	0.971	0.7882	7.8063	1.79E-05	0.003	3.42	-1.5963	OA-related
EPB41L4A	0.918	0.75	7.8053	1.79E-05	0.003	3.42	-0.7739	none
CD22	1.117	0.858	7.8031	1.80E-05	0.003	3.41	-1.3248	none
ETNPPL	0.902	0.7254	7.7693	1.87E-05	0.003	3.38	-0.8541	none
SLC4A5	0.974	0.717	7.7589	1.89E-05	0.003	3.37	-1.5056	none
CALCRL	1.023	0.8321	7.7534	1.90E-05	0.003	3.36	-1.3451	none
CERCAM	1.004	0.8309	7.7481	1.91E-05	0.003	3.36	-1.3596	none
SFI1	1.036	0.8341	7.7384	1.93E-05	0.003	3.35	-1.3638	none
RASL10B	1.171	0.9501	7.7374	1.93E-05	0.003	3.35	-1.107	none
PRKAA1	1.046	0.813	7.7314	1.94E-05	0.003	3.34	-1.1533	none
DEFB133	0.816	0.5534	7.7175	1.97E-05	0.003	3.33	-0.8891	none
MS4A7	1.172	0.8629	7.7173	1.97E-05	0.003	3.33	-1.3517	none
MILR1	1.302	1.0556	7.7074	2.00E-05	0.003	3.32	-1.4239	none
LHFPL5	0.959	0.8284	7.6979	2.02E-05	0.003	3.31	-1.4104	none
CDH3	1.227	0.9193	7.6738	2.07E-05	0.003	3.28	-1.0937	none
CLEC4C	0.839	0.6441	7.6684	2.08E-05	0.003	3.27	-1.5918	OA-related
SCIN	1.12	0.8632	7.6682	2.08E-05	0.003	3.27	-1.4616	none
OSBPL6	1.016	0.8079	7.6641	2.09E-05	0.003	3.27	-1.212	none
MYT1L	1.097	0.8918	7.6533	2.12E-05	0.003	3.26	-1.3765	none
NR5A2	1.025	0.8082	7.6398	2.15E-05	0.003	3.24	-1.5343	OA-related
TP63	1.08	0.8787	7.6352	2.16E-05	0.003	3.24	-1.064	none
WDR73	1.272	1.0453	7.6315	2.17E-05	0.003	3.24	-1.3367	none
NPAS3	1.876	1.6086	7.6276	2.18E-05	0.003	3.23	-1.2034	none
DYNC2LI1	1.007	0.7447	7.626	2.18E-05	0.003	3.23	-0.9972	none
TMEM98	1.411	1.0366	7.6002	2.25E-05	0.003	3.2	-0.9995	none
NSUN3	1.054	0.7757	7.5823	2.29E-05	0.003	3.18	-1.0756	none
TMEM213	0.953	0.7285	7.5752	2.31E-05	0.003	3.18	-1.2309	none
PHYHD1	1.498	1.2676	7.571	2.32E-05	0.003	3.17	-1.165	none
ECD	0.991	0.7752	7.5694	2.32E-05	0.003	3.17	-1.5102	none
MORN4	0.938	0.7263	7.5652	2.33E-05	0.003	3.17	-1.3962	none
ZNF567	1.026	0.8783	7.5652	2.33E-05	0.003	3.17	-1.1231	none
IFT80	0.941	0.7553	7.561	2.34E-05	0.003	3.16	-1.4736	none
SNUPN	0.944	0.7297	7.5518	2.37E-05	0.003	3.15	-1.4555	none
IDO1	0.829	0.5731	7.5456	2.39E-05	0.003	3.15	-1.5159	none
AACS	0.929	0.7392	7.5311	2.42E-05	0.003	3.13	-1.5224	none

RNF212	1.549	1.2432	7.5263	2.44E-05	0.003	3.12	-0.8615	none
SLC4A1	0.915	0.7007	7.5225	2.45E-05	0.003	3.12	-1.3974	none
CLN3	0.958	0.7077	7.5175	2.46E-05	0.003	3.12	-1.3704	none
ALDH7A1	1.051	0.8493	7.504	2.50E-05	0.003	3.1	-1.6688	OA-related
PIP5KL1	0.98	0.8037	7.5019	2.50E-05	0.003	3.1	-0.4353	none
UGT2B4	1.01	0.7262	7.4935	2.53E-05	0.003	3.09	-1.1892	none
GDPD1	1.105	0.9405	7.468	2.60E-05	0.003	3.06	-1.3071	none
CXXC5	1.408	1.1984	7.4607	2.62E-05	0.003	3.05	-1.3075	none
SHROOM4	1.005	0.7822	7.4529	2.64E-05	0.003	3.05	-1.3959	none
DNAAF1	0.964	0.7711	7.4442	2.67E-05	0.003	3.04	-0.635	none
ZNF554	0.912	0.7491	7.44	2.68E-05	0.003	3.03	-1.5096	none
PLCE1	1.358	1.1043	7.4311	2.71E-05	0.003	3.02	-1.3022	none
CNN1	1.166	0.9314	7.431	2.71E-05	0.003	3.02	-1.1719	none
LCTL	0.79	0.6023	7.4274	2.72E-05	0.003	3.02	-1.2767	none
CCDC81	0.931	0.7442	7.4155	2.76E-05	0.003	3.01	-1.4821	none
ZNF675	1.085	0.9315	7.411	2.77E-05	0.003	3	-1.4849	none
FAM57B	0.909	0.7394	7.4008	2.80E-05	0.003	2.99	-1.4349	none
MYCBPAP	1.339	1.1393	7.3992	2.81E-05	0.003	2.99	-0.9533	none
TRAF3IP2	0.881	0.6924	7.3943	2.82E-05	0.003	2.98	-1.4657	none
VSTM4	0.867	0.6884	7.3901	2.84E-05	0.003	2.98	-1.4111	none
MTHFR	1.072	0.937	7.388	2.84E-05	0.003	2.98	-1.387	none
ZNF429	1.237	1.0245	7.3854	2.85E-05	0.003	2.97	-1.1082	none
VSNL1	1.008	0.8115	7.3775	2.88E-05	0.003	2.96	-0.776	none
APLP1	0.985	0.7697	7.3662	2.92E-05	0.003	2.95	-1.4646	none
HCAR1	0.803	0.611	7.3573	2.95E-05	0.003	2.94	-1.3618	none
EPN2	1.048	0.8695	7.3561	2.95E-05	0.003	2.94	-1.3613	none
CNTNAP3	1.194	0.9504	7.3496	2.97E-05	0.003	2.93	-1.1895	none
DDB2	0.945	0.7518	7.3401	3.00E-05	0.003	2.92	-1.5084	none
FXR2	1.087	0.9349	7.331	3.03E-05	0.003	2.91	-1.3227	none
ZNF587	1.105	0.9212	7.3187	3.08E-05	0.003	2.9	-1.1024	none
EXTL3	1.417	1.1896	7.3067	3.12E-05	0.003	2.89	-1.0903	none
CD151	0.879	0.6809	7.3058	3.12E-05	0.003	2.89	-1.3486	none
ZFHX3	1.031	0.8228	7.3025	3.13E-05	0.003	2.88	-1.1732	none
LTBR	0.971	0.7706	7.2946	3.16E-05	0.003	2.87	-1.4571	none
ZNF385A	1.527	1.2563	7.2926	3.17E-05	0.003	2.87	-1.2842	none
PYGL	1.351	1.0972	7.2915	3.17E-05	0.003	2.87	-1.4154	none
ATG16L2	0.971	0.7771	7.2902	3.18E-05	0.003	2.87	-1.4546	none
ADGRV1	1.102	0.8497	7.2825	3.21E-05	0.003	2.86	-1.2398	none
COMP	1.111	0.8898	7.2821	3.21E-05	0.003	2.86	-1.2737	none
FHL2	1.054	0.7884	7.2745	3.24E-05	0.003	2.85	-1.0978	none

CFAP74	0.952	0.8113	7.264	3.27E-05	0.003	2.84	-1.3963	none
LRFN3	1.301	1.0267	7.2627	3.28E-05	0.003	2.84	-1.2557	none
RAB21	1.044	0.8277	7.2539	3.31E-05	0.003	2.83	-1.3376	none
NRP2	0.983	0.849	7.2535	3.31E-05	0.003	2.83	-1.2237	none
GULP1	0.968	0.7609	7.2457	3.34E-05	0.003	2.82	-1.4278	none
DACT3	0.882	0.7066	7.2409	3.36E-05	0.003	2.81	-1.478	none
USP6NL	0.763	0.5673	7.2404	3.36E-05	0.003	2.81	-1.0094	none
ZBTB8A	0.913	0.6941	7.2377	3.37E-05	0.003	2.81	-1.6501	OA-related
PDILT	1.016	0.816	7.2206	3.44E-05	0.003	2.79	-0.7203	none
OR10G3	0.935	0.7231	7.2165	3.46E-05	0.003	2.79	-1.479	none
AKT3	1.055	0.8574	7.2092	3.49E-05	0.003	2.78	-1.4145	none
CREG2	1.042	0.7646	7.2088	3.49E-05	0.003	2.78	-1.4861	none
SHROOM3	0.992	0.771	7.2072	3.49E-05	0.003	2.78	-1.0102	none
CALCOCO2	0.989	0.7818	7.2037	3.51E-05	0.003	2.77	-1.4122	none
FRS3	1.18	0.9984	7.2003	3.52E-05	0.003	2.77	-1.0342	none
TMEM130	0.911	0.68	7.1993	3.53E-05	0.003	2.77	-1.2679	none
SLC25A42	0.878	0.6607	7.1919	3.56E-05	0.003	2.76	-1.2846	none
EARS2	1.051	0.8326	7.1833	3.59E-05	0.003	2.75	-1.2395	none
EFHB	0.806	0.5707	7.1763	3.62E-05	0.003	2.74	-0.0765	none
ITGB8	0.808	0.6553	7.1714	3.64E-05	0.003	2.74	-1.4321	none
BAG1	1.06	0.9097	7.1665	3.66E-05	0.003	2.73	-1.5433	OA-related
ZNF724	1.421	1.2046	7.1591	3.69E-05	0.003	2.72	-1.4151	none
ALS2CR12	1.421	1.0772	7.1565	3.70E-05	0.003	2.72	-1.1278	none
PLA2G16	1.026	0.8101	7.1547	3.71E-05	0.003	2.72	-1.3307	none
SHOX	0.876	0.6712	7.1489	3.74E-05	0.003	2.71	-1.4807	none
TMEM186	0.992	0.7224	7.1388	3.78E-05	0.003	2.7	-1.2425	none
DRAXIN	0.769	0.5781	7.1214	3.86E-05	0.003	2.68	-1.5575	OA-related
DIRAS2	1.003	0.787	7.1186	3.87E-05	0.003	2.68	-1.3281	none
SPOP	0.814	0.6108	7.1118	3.90E-05	0.003	2.67	-1.3626	none
ZNF157	0.819	0.6402	7.1113	3.90E-05	0.003	2.67	-1.607	OA-related
KBTBD2	0.856	0.6471	7.1081	3.92E-05	0.003	2.67	-1.1636	none
PBX1	1.261	1.0668	7.1067	3.92E-05	0.003	2.67	-1.2947	none
ECT2	1.266	1.0953	7.0957	3.97E-05	0.003	2.65	-1.3234	none
RAB42	0.727	0.565	7.0935	3.98E-05	0.003	2.65	-1.223	none
PHKA2	1.371	1.1702	7.0894	4.00E-05	0.003	2.65	-1.3881	none
ELAVL2	0.721	0.5502	7.0877	4.01E-05	0.003	2.64	-1.5121	none
PEX11A	1.015	0.7979	7.0873	4.01E-05	0.003	2.64	-1.3601	none
PRDM16	1.318	1.0519	7.0797	4.05E-05	0.003	2.64	-1.1733	none
SCIMP	1.002	0.7221	7.0751	4.07E-05	0.003	2.63	-1.2383	none
DUOX1	1.216	0.9838	7.0736	4.08E-05	0.003	2.63	-1.5537	OA-related



FUT6	0.803	0.6211	7.0643	4.12E-05	0.003	2.62	-1.3794	none
IVD	1.086	0.9338	7.0623	4.13E-05	0.003	2.62	-1.1744	none
PXDN	1.207	0.9948	7.0615	4.14E-05	0.003	2.61	-1.049	none
PIDD1	0.83	0.6603	7.059	4.15E-05	0.003	2.61	-1.476	none
ZNF208	0.946	0.747	7.0575	4.15E-05	0.003	2.61	-0.8984	none
TMEM52B	0.968	0.7764	7.0566	4.16E-05	0.003	2.61	-1.4171	none
FAM76A	0.937	0.813	7.0395	4.24E-05	0.003	2.59	-1.2741	none
ZNF677	0.866	0.6746	7.0349	4.26E-05	0.003	2.58	-1.1011	none
TRIM72	0.807	0.6212	7.0323	4.28E-05	0.003	2.58	-1.5898	OA-related
MIPOL1	0.774	0.6008	7.0315	4.28E-05	0.003	2.58	-1.5008	none
RHBDF2	1.037	0.8429	7.0281	4.30E-05	0.003	2.58	-1.4289	none
ZNF596	0.902	0.7203	7.0187	4.35E-05	0.003	2.57	-1.3104	none
SIRPB2	0.965	0.7255	7.018	4.35E-05	0.003	2.57	-1.4614	none
PRICKLE2	0.831	0.632	7.0143	4.37E-05	0.003	2.56	-1.5363	OA-related
CDHR4	0.872	0.6407	7.012	4.38E-05	0.003	2.56	-1.3867	none
STRA6	0.996	0.7744	7.0062	4.41E-05	0.003	2.55	-1.3557	none
HPN	0.947	0.785	7.003	4.43E-05	0.003	2.55	-0.4095	none
RIPPLY3	0.845	0.6406	6.9861	4.52E-05	0.003	2.53	-1.1668	none
ENAM	1.02	0.7186	6.9856	4.52E-05	0.003	2.53	-1.4022	none
CLNK	0.864	0.6501	6.9821	4.54E-05	0.003	2.52	-1.478	none
SMARCAL1	1.32	1.0612	6.9816	4.54E-05	0.003	2.52	-1.4487	none
SLC37A3	0.913	0.6688	6.9799	4.55E-05	0.003	2.52	-1.2808	none
SLC11A1	1.093	0.8709	6.9778	4.56E-05	0.003	2.52	-1.3026	none
SPACA6	1.109	0.9237	6.9728	4.59E-05	0.003	2.51	-1.4119	none
ZNF347	1.082	0.8692	6.9725	4.59E-05	0.003	2.51	-1.3599	none
C21ORF62	0.685	0.4782	6.9717	4.59E-05	0.003	2.51	-1.4146	none
OR7D4	0.725	0.5357	6.9689	4.61E-05	0.003	2.51	-1.5919	OA-related
RHAG	1.358	1.1047	6.9677	4.61E-05	0.003	2.51	-1.1003	none
PRSS27	0.961	0.7294	6.9671	4.62E-05	0.003	2.51	-1.5108	none
MED11	0.879	0.6914	6.9588	4.66E-05	0.003	2.5	-1.583	OA-related
SLC36A2	0.791	0.5912	6.9548	4.68E-05	0.003	2.49	-1.2975	none
ADGRG1	1.028	0.8522	6.9447	4.74E-05	0.003	2.48	-0.9769	none
DNAJC14	1.063	0.8711	6.9444	4.74E-05	0.003	2.48	-1.4088	none
SEPSECS	0.988	0.7993	6.9444	4.74E-05	0.003	2.48	-1.3854	none
FBLIM1	0.813	0.629	6.9441	4.74E-05	0.003	2.48	-1.4158	none
GIPR	0.926	0.7064	6.9424	4.75E-05	0.003	2.48	-1.3904	none
MLXIPL	1.078	0.8241	6.9422	4.75E-05	0.003	2.48	-1.2293	none
OR7D2	0.856	0.6234	6.94	4.77E-05	0.003	2.48	-1.6061	OA-related
BCAM	1.068	0.8571	6.9232	4.86E-05	0.003	2.46	-1.2888	none
HECW2	0.973	0.7091	6.9198	4.88E-05	0.003	2.45	-1.0035	none

TINF2	0.91	0.6945	6.9191	4.89E-05	0.003	2.45	-1.2268	none
ITSN1	1.223	1.0567	6.9174	4.90E-05	0.003	2.45	-1.5201	none
TERF2	1.027	0.8628	6.9138	4.92E-05	0.003	2.45	-1.6123	OA-related
SMIM14	1.079	0.8443	6.9103	4.94E-05	0.003	2.44	-1.2157	none
INTS8	1.088	0.8319	6.9035	4.98E-05	0.003	2.43	-1.3425	none
ZNF707	1.28	0.921	6.9026	4.98E-05	0.003	2.43	-1.33	none
ASAP3	0.84	0.6449	6.8897	5.06E-05	0.003	2.42	-1.2558	none
ACACB	1.025	0.8515	6.8878	5.07E-05	0.003	2.42	-1.4322	none
CDH13	1.11	0.9045	6.8853	5.09E-05	0.003	2.41	-1.102	none
INSL6	1.061	0.8639	6.8847	5.09E-05	0.003	2.41	-1.4657	none
ZNF70	0.802	0.6239	6.8807	5.11E-05	0.003	2.41	-1.489	none
ZNF843	0.685	0.5055	6.8772	5.13E-05	0.003	2.4	-1.5126	none
CLDN4	1.065	0.8489	6.876	5.14E-05	0.003	2.4	-1.1286	none
CYSLTR1	0.827	0.6313	6.8752	5.15E-05	0.003	2.4	-1.3816	none
WDR93	0.962	0.7513	6.8697	5.18E-05	0.003	2.4	-1.5775	OA-related
ZBTB8B	0.764	0.5642	6.8631	5.22E-05	0.003	2.39	-1.582	OA-related
CNR2	0.794	0.5848	6.86	5.24E-05	0.003	2.38	-1.5638	OA-related
ABCC9	0.768	0.6235	6.8491	5.31E-05	0.003	2.37	-1.4869	none
ZNF605	1.096	0.916	6.84	5.37E-05	0.003	2.36	-1.2209	none
MAGI2	1.096	0.8767	6.8395	5.37E-05	0.003	2.36	-1.431	none
HIST3H2BI	0.723	0.52	6.8394	5.37E-05	0.003	2.36	-1.5189	none
C11ORF80	0.889	0.6296	6.8329	5.41E-05	0.003	2.35	-1.4317	none
ZNF212	1.223	1.0128	6.8308	5.43E-05	0.003	2.35	-1.1066	none
FAM122C	1.062	0.7895	6.8291	5.44E-05	0.003	2.35	-1.2669	none
IAPP	0.771	0.5637	6.8255	5.46E-05	0.003	2.34	-1.2568	none
TPD52	0.923	0.7668	6.8232	5.48E-05	0.003	2.34	-1.2307	none
ZNF320	1.267	1.0082	6.8229	5.48E-05	0.003	2.34	-1.2944	none
FPR2	1.348	1.0638	6.8189	5.50E-05	0.003	2.34	-1.3117	none
POMT2	0.983	0.7863	6.8143	5.53E-05	0.003	2.33	-1.2079	none
EYS	0.727	0.5468	6.8113	5.55E-05	0.003	2.33	-1.3626	none
BHMT2	0.803	0.6197	6.8074	5.58E-05	0.003	2.32	-1.5222	none
MS4A10	0.967	0.715	6.8021	5.61E-05	0.003	2.32	-1.4934	none
LIAS	0.745	0.6003	6.801	5.62E-05	0.003	2.32	-1.4264	none
CATIP	0.993	0.8054	6.7959	5.66E-05	0.003	2.31	-1.6346	OA-related
C12ORF76	0.993	0.7468	6.7949	5.66E-05	0.003	2.31	-1.3753	none
PDE4C	0.847	0.6727	6.7944	5.67E-05	0.003	2.31	-1.5043	none
WDR31	0.877	0.6955	6.7934	5.67E-05	0.003	2.31	-1.5638	OA-related
TAPT1	0.983	0.7414	6.7903	5.69E-05	0.003	2.3	-1.2938	none
KLHDC1	0.824	0.6804	6.7818	5.75E-05	0.004	2.29	-0.4664	none
KLK10	0.895	0.705	6.771	5.83E-05	0.004	2.28	-1.5028	none

LTBP4	0.676	0.4863	6.7709	5.83E-05	0.004	2.28	-1.2657	none
SIGLEC10	0.844	0.6801	6.7691	5.84E-05	0.004	2.28	-1.3887	none
ZNF331	1.179	0.9618	6.7545	5.94E-05	0.004	2.26	-1.5768	OA-related
PLA2G15	0.833	0.6622	6.7516	5.97E-05	0.004	2.26	-1.4727	none
FAM160B2	0.959	0.7857	6.7512	5.97E-05	0.004	2.26	-1.4453	none
RSPH10B2	0.827	0.6649	6.7468	6.00E-05	0.004	2.25	-1.0495	none
GTF2E2	0.742	0.5359	6.7312	6.11E-05	0.004	2.23	-1.4313	none
ABCB11	1.238	1.0125	6.7304	6.12E-05	0.004	2.23	-1.1552	none
FAXDC2	1.122	0.9082	6.7302	6.12E-05	0.004	2.23	-1.0366	none
AFMID	0.848	0.6711	6.7278	6.14E-05	0.004	2.23	-1.454	none
TNFRSF10I	1.02	0.8448	6.7242	6.16E-05	0.004	2.23	-1.4262	none
AKR1D1	0.764	0.546	6.7127	6.25E-05	0.004	2.21	-1.2249	none
CFAP54	0.691	0.5175	6.7125	6.25E-05	0.004	2.21	-1.4341	none
ZNF546	1.207	0.9615	6.7107	6.27E-05	0.004	2.21	-1.3894	none
GALC	1.136	0.8385	6.7099	6.27E-05	0.004	2.21	-1.0924	none
SCRG1	0.747	0.5667	6.7026	6.33E-05	0.004	2.2	-1.4794	none
KREMEN1	0.644	0.4362	6.7003	6.35E-05	0.004	2.2	-1.0774	none
PHF7	1.061	0.8291	6.6909	6.42E-05	0.004	2.19	-1.4375	none
ATCAY	0.93	0.7219	6.6903	6.42E-05	0.004	2.19	-1.3192	none
HIF1A	1.055	0.8703	6.6888	6.43E-05	0.004	2.18	-1.4768	none
MAGT1	0.712	0.5343	6.6882	6.44E-05	0.004	2.18	-1.5347	OA-related
CACNA1A	0.795	0.5946	6.6868	6.45E-05	0.004	2.18	-1.4698	none
ITGB3BP	1.192	0.8384	6.6862	6.45E-05	0.004	2.18	-1.0735	none
SAMD12	0.755	0.6198	6.6782	6.52E-05	0.004	2.17	-1.4754	none
DENND2A	0.795	0.6042	6.6771	6.52E-05	0.004	2.17	-1.4196	none
PTK2	0.997	0.8105	6.6767	6.53E-05	0.004	2.17	-1.2597	none
GSK3B	1.177	1.0025	6.6723	6.56E-05	0.004	2.16	-1.4445	none
SYTL4	0.705	0.5206	6.6717	6.57E-05	0.004	2.16	-1.6209	OA-related
NSD1	1.085	0.9124	6.6703	6.58E-05	0.004	2.16	-1.3504	none
SMIM22	0.921	0.7883	6.6699	6.58E-05	0.004	2.16	-1.3285	none
PNLIPRP1	1.057	0.8432	6.6685	6.59E-05	0.004	2.16	-1.0293	none
CFHR1	0.835	0.6517	6.6594	6.67E-05	0.004	2.15	-0.8412	none
THAP9	1.169	0.9355	6.6557	6.70E-05	0.004	2.15	-1.2737	none
SSTR2	0.753	0.6033	6.6528	6.72E-05	0.004	2.14	-1.5614	OA-related
SETDB2	1.237	1.0408	6.6513	6.73E-05	0.004	2.14	-1.4691	none
P2RX3	0.792	0.5653	6.6484	6.76E-05	0.004	2.14	-1.0819	none
RSPH10B	0.788	0.6299	6.6466	6.77E-05	0.004	2.13	-1.0034	none
PKNOX1	0.875	0.7425	6.6434	6.80E-05	0.004	2.13	-1.5141	none
PTCD3	0.905	0.6993	6.6369	6.85E-05	0.004	2.12	-1.4476	none
SAMD4B	1.211	1.0625	6.6337	6.88E-05	0.004	2.12	-1.2326	none

SH3GL1	1.277	1.0816	6.6321	6.89E-05	0.004	2.12	-1.4637	none
SYT5	0.662	0.4867	6.6315	6.90E-05	0.004	2.12	-1.425	none
PLIN5	0.828	0.6078	6.6295	6.91E-05	0.004	2.11	-1.4117	none
CNTN2	0.742	0.5526	6.6291	6.92E-05	0.004	2.11	-1.4796	none
TARSL2	1.177	1.0411	6.6276	6.93E-05	0.004	2.11	-1.4831	none
ERMAP	0.824	0.6229	6.6255	6.95E-05	0.004	2.11	-1.4355	none
PGBD4	0.767	0.5929	6.6242	6.96E-05	0.004	2.11	-1.5983	OA-related
ZNF506	1.004	0.8154	6.6191	7.00E-05	0.004	2.1	-1.1632	none
STEAP2	0.713	0.5518	6.6126	7.06E-05	0.004	2.09	-1.5926	OA-related
SLC31A1	0.936	0.7012	6.6095	7.08E-05	0.004	2.09	-1.3698	none
C5AR1	0.892	0.6821	6.608	7.10E-05	0.004	2.09	-1.2894	none
MGST1	1.272	1.0655	6.6039	7.13E-05	0.004	2.08	-1.0187	none
C1ORF109	0.784	0.6236	6.6019	7.15E-05	0.004	2.08	-1.5782	OA-related
OAF	0.937	0.6958	6.6009	7.16E-05	0.004	2.08	-1.3039	none
ST18	1.149	0.8635	6.5985	7.18E-05	0.004	2.08	-0.9963	none
SENP5	1.079	0.906	6.5985	7.18E-05	0.004	2.08	-1.4391	none
LPO	0.798	0.6079	6.5966	7.20E-05	0.004	2.08	-1.3979	none
KCNK6	1.181	1.0195	6.5957	7.20E-05	0.004	2.07	-1.3135	none
NUGGC	0.934	0.7431	6.59	7.25E-05	0.004	2.07	-1.557	OA-related
CENPBD1	0.771	0.6337	6.5874	7.28E-05	0.004	2.06	-1.4958	none
ZNF606	1.147	0.93	6.5869	7.28E-05	0.004	2.06	-1.0741	none
PPEF2	1.453	1.3053	6.5795	7.35E-05	0.004	2.05	-0.3786	none
FAM9C	0.716	0.5107	6.5699	7.43E-05	0.004	2.04	-1.4068	none
WDR90	1.124	0.9084	6.5699	7.43E-05	0.004	2.04	-1.2777	none
BRDT	0.755	0.5321	6.5688	7.44E-05	0.004	2.04	-0.6098	none
CRYZL1	0.943	0.7005	6.5685	7.45E-05	0.004	2.04	-1.2849	none
ADAMTSL1	0.877	0.7177	6.5605	7.52E-05	0.004	2.03	-1.3888	none
FBXO36	1.14	0.905	6.5589	7.53E-05	0.004	2.03	-1.6142	OA-related
MARVELD1	0.757	0.6065	6.5486	7.63E-05	0.004	2.02	-1.5016	none
TMC8	0.965	0.8603	6.5484	7.63E-05	0.004	2.02	-1.5625	OA-related
CC2D2A	1.066	0.8099	6.5482	7.63E-05	0.004	2.02	-1.469	none
CPT1C	0.933	0.6997	6.5464	7.65E-05	0.004	2.01	-1.2726	none
C1ORF216	0.874	0.6695	6.5378	7.73E-05	0.004	2	-1.3831	none
9-Mar	0.939	0.7518	6.536	7.75E-05	0.004	2	-0.8534	none
CASC10	0.671	0.4852	6.5308	7.80E-05	0.004	2	-1.4862	none
ZNF561	0.892	0.6936	6.5285	7.82E-05	0.004	1.99	-0.9881	none
CEP89	0.986	0.8805	6.5284	7.82E-05	0.004	1.99	-1.3662	none
PLEKHG1	0.956	0.7695	6.5284	7.82E-05	0.004	1.99	-1.5689	OA-related
MS4A4E	0.818	0.6783	6.5279	7.83E-05	0.004	1.99	-0.677	none
KRT8	1.012	0.7828	6.5254	7.85E-05	0.004	1.99	-1.3195	none

RPUSD4	0.904	0.6625	6.522	7.88E-05	0.004	1.99	-1.286	none
TMEM210	0.767	0.5902	6.521	7.89E-05	0.004	1.98	-1.1865	none
NMNAT1	1.181	1.0154	6.5127	7.98E-05	0.004	1.97	-1.4172	none
FBXO44	1.028	0.8194	6.5047	8.05E-05	0.004	1.96	-1.376	none
ARIH2OS	1.037	0.8199	6.5003	8.10E-05	0.004	1.96	-1.469	none
FBXO24	0.925	0.7229	6.4911	8.19E-05	0.004	1.95	-1.0598	none
TBXA2R	0.797	0.5126	6.4803	8.30E-05	0.004	1.94	-1.1017	none
TRIM52	1.012	0.8249	6.4801	8.30E-05	0.004	1.93	-1.0888	none
LINC00672	0.774	0.5957	6.4783	8.32E-05	0.004	1.93	-1.6608	OA-related
ERC1	1.235	1.1033	6.4726	8.38E-05	0.004	1.93	-1.358	none
TSPAN10	1.061	0.8536	6.47	8.41E-05	0.004	1.92	-1.3735	none
PDLIM5	1.145	0.8675	6.4684	8.42E-05	0.004	1.92	-1.2604	none
OR10H5	0.793	0.5939	6.466	8.45E-05	0.004	1.92	-1.5327	OA-related
CHST6	0.669	0.5097	6.4627	8.48E-05	0.004	1.91	-1.5298	none
MKNK1	0.79	0.6183	6.4611	8.50E-05	0.004	1.91	-1.461	none
UTP4	0.693	0.5097	6.4605	8.51E-05	0.004	1.91	-1.3778	none
NIM1K	0.842	0.6082	6.4563	8.55E-05	0.004	1.91	-0.8644	none
SDHAF4	0.862	0.6103	6.4545	8.57E-05	0.004	1.9	-1.3055	none
WNT10A	0.995	0.7095	6.4529	8.59E-05	0.004	1.9	-0.9893	none
HLCS	0.841	0.6692	6.4497	8.62E-05	0.004	1.9	-1.4753	none
MYOM1	0.687	0.4989	6.4493	8.62E-05	0.004	1.9	-1.2341	none
SPG7	0.912	0.7633	6.4489	8.63E-05	0.004	1.9	-1.4984	none
HPS5	0.963	0.7125	6.4479	8.64E-05	0.004	1.9	-1.3857	none
SH2D3A	0.756	0.529	6.4358	8.77E-05	0.004	1.88	-1.4658	none
RHBDL2	0.754	0.5807	6.4348	8.78E-05	0.004	1.88	-1.3506	none
MYZAP	0.806	0.6185	6.43	8.83E-05	0.004	1.87	-0.0924	none
TRPV1	0.81	0.6688	6.4286	8.85E-05	0.004	1.87	-1.4086	none
POMGNT1	1.08	0.8751	6.4275	8.86E-05	0.004	1.87	-1.0738	none
ARID3A	0.945	0.8178	6.4271	8.86E-05	0.004	1.87	-1.4006	none
FARP1	0.989	0.7873	6.4268	8.87E-05	0.004	1.87	-1.2305	none
AQP6	0.877	0.6741	6.4256	8.88E-05	0.004	1.87	-1.3718	none
THAP6	0.933	0.7472	6.424	8.90E-05	0.004	1.87	-1.4833	none
TATDN3	0.832	0.6004	6.423	8.91E-05	0.004	1.87	-1.2657	none
IZUMO2	1.035	0.7955	6.416	8.99E-05	0.004	1.86	-1.309	none
OR51M1	0.942	0.7044	6.4153	9.00E-05	0.004	1.86	-1.4953	none
LIPT1	0.906	0.6806	6.4067	9.09E-05	0.004	1.85	-1.168	none
MAGEA10	0.892	0.6766	6.4067	9.09E-05	0.004	1.85	-1.5667	OA-related
HOOK2	1.206	0.9443	6.4062	9.10E-05	0.004	1.85	-1.1205	none
ZNF793	0.942	0.7722	6.4049	9.11E-05	0.004	1.84	-1.535	OA-related
DAG1	1.277	1.059	6.3995	9.17E-05	0.004	1.84	-1.277	none

RPAP1	1.12	0.9998	6.3985	9.19E-05	0.004	1.84	-1.2352	none
SPIRE2	0.759	0.5678	6.3982	9.19E-05	0.004	1.84	-1.534	OA-related
NDRG2	1.029	0.7865	6.3966	9.21E-05	0.004	1.83	-0.8324	none
PNMA2	0.794	0.5964	6.3959	9.22E-05	0.004	1.83	-1.5285	none
PKIB	1.164	0.9241	6.3937	9.24E-05	0.004	1.83	-1.3311	none
RRP12	0.993	0.8426	6.3913	9.27E-05	0.004	1.83	-1.5296	none
ZBTB11	1.124	0.9975	6.39	9.28E-05	0.004	1.83	-1.5038	none
FGD2	0.87	0.6297	6.3868	9.32E-05	0.004	1.82	-1.2332	none
HINFP	0.897	0.6778	6.3844	9.35E-05	0.004	1.82	-1.4563	none
CCNB1IP1	0.791	0.613	6.3836	9.36E-05	0.004	1.82	-1.4535	none
MMP11	0.847	0.6753	6.3832	9.36E-05	0.004	1.82	-1.0251	none
VGLL4	0.862	0.6934	6.3775	9.43E-05	0.004	1.81	-1.3386	none
ZNF383	0.822	0.5997	6.3744	9.47E-05	0.004	1.81	-1.2663	none
EML1	0.833	0.6512	6.3739	9.47E-05	0.004	1.81	-1.1925	none
ZNF532	1.108	0.8917	6.3721	9.49E-05	0.004	1.8	-1.3274	none
RNF185	0.74	0.5426	6.367	9.55E-05	0.004	1.8	-1.3295	none
RAB29	0.694	0.5181	6.3609	9.63E-05	0.004	1.79	-1.4324	none
OTUD4	1.214	1.004	6.3607	9.63E-05	0.004	1.79	-1.5174	none
C1ORF167	0.889	0.6578	6.3551	9.70E-05	0.004	1.78	-1.4904	none
ABHD11	0.756	0.6191	6.3547	9.70E-05	0.004	1.78	-1.35	none
AGXT	0.617	0.4518	6.35	9.76E-05	0.004	1.78	-1.2105	none
SYNE2	1.034	0.937	6.3497	9.76E-05	0.004	1.78	-1.0472	none
KANK2	1.524	1.2351	6.3491	9.77E-05	0.004	1.78	-1.1046	none
2-Sep	0.605	0.434	6.3471	9.79E-05	0.004	1.77	-0.7535	none
PIH1D3	0.579	0.377	6.3433	9.84E-05	0.004	1.77	-0.7294	none
TMEM266	0.897	0.7024	6.3395	9.89E-05	0.004	1.76	-1.4405	none
KCNH6	0.703	0.5292	6.3352	9.94E-05	0.004	1.76	-1.5239	none
COLEC11	1.036	0.8625	6.3335	9.96E-05	0.004	1.76	-1.3847	none
CTRC	0.673	0.5033	6.3324	9.98E-05	0.004	1.75	-1.6169	OA-related
GYPA	0.976	0.7895	6.3307	1.00E-04	0.004	1.75	-1.0496	none
SWSAP1	0.83	0.6527	6.3298	1.00E-04	0.004	1.75	-1.1127	none
C1ORF210	0.738	0.5547	6.3292	1.00E-04	0.004	1.75	-1.4903	none
FER1L5	0.72	0.5767	6.3289	1.00E-04	0.004	1.75	-1.5037	none
OR4D9	0.813	0.616	6.3289	1.00E-04	0.004	1.75	-1.4348	none
DUSP3	0.878	0.6915	6.3232	1.01E-04	0.004	1.74	-1.2918	none
SLC15A1	0.886	0.676	6.323	1.01E-04	0.004	1.74	-1.4587	none
HMGA2	0.929	0.723	6.3227	1.01E-04	0.004	1.74	-1.1553	none
C10ORF82	0.922	0.7164	6.3193	1.01E-04	0.004	1.74	-1.3662	none
DST	1.27	1.075	6.3166	1.02E-04	0.004	1.74	-0.8763	none
XYLT2	1.27	1.1169	6.3164	1.02E-04	0.004	1.73	-1.3351	none

ANO10	0.961	0.7157	6.3121	1.02E-04	0.004	1.73	-1.3411	none
TNFSF15	0.636	0.4726	6.3106	1.03E-04	0.004	1.73	-1.4941	none
MFSD4B	0.673	0.5358	6.3096	1.03E-04	0.004	1.73	-1.5319	OA-related
ARIH2	0.722	0.5329	6.3069	1.03E-04	0.004	1.72	-1.2724	none
LAT2	0.772	0.6049	6.301	1.04E-04	0.004	1.72	-1.6596	OA-related
LRRC36	1.085	0.8402	6.2995	1.04E-04	0.004	1.71	-0.738	none
NEK5	0.678	0.5274	6.2964	1.04E-04	0.004	1.71	-1.4636	none
ASTN2	0.718	0.5595	6.2947	1.05E-04	0.004	1.71	-1.3724	none
WDR62	1.133	0.9779	6.2861	1.06E-04	0.004	1.7	-1.4181	none
KCNA7	0.594	0.4403	6.2856	1.06E-04	0.004	1.7	-1.3132	none
ZNF16	0.844	0.6814	6.2839	1.06E-04	0.004	1.69	-1.5874	OA-related
PRKAG2	0.666	0.5054	6.2812	1.06E-04	0.004	1.69	-1.012	none
EXD1	0.649	0.4505	6.2797	1.07E-04	0.004	1.69	-1.3354	none
GREB1	0.791	0.6443	6.2791	1.07E-04	0.004	1.69	-0.8371	none
ZNF615	1.538	1.2896	6.2775	1.07E-04	0.004	1.69	-1.2649	none
TXNRD2	0.708	0.5959	6.2739	1.07E-04	0.004	1.68	-1.2623	none
PDE11A	0.617	0.4608	6.2731	1.07E-04	0.004	1.68	-1.4313	none
DAGLB	0.854	0.6799	6.2697	1.08E-04	0.004	1.68	-1.1634	none
SIGLEC8	0.658	0.5102	6.2656	1.09E-04	0.004	1.67	-1.487	none
ZNF566	0.823	0.5957	6.2637	1.09E-04	0.004	1.67	-1.2652	none
SLC47A1	0.849	0.6523	6.2632	1.09E-04	0.004	1.67	-1.196	none
FUT1	0.768	0.6384	6.2612	1.09E-04	0.004	1.67	-1.0512	none
CDH1	0.803	0.5749	6.2577	1.10E-04	0.004	1.66	-1.4178	none
ACBD7	0.973	0.7639	6.2536	1.10E-04	0.004	1.66	-1.5428	OA-related
CCDC171	1.031	0.9048	6.2528	1.10E-04	0.004	1.66	-1.2913	none
PDHX	0.869	0.6639	6.2438	1.12E-04	0.004	1.64	-1.3401	none
PYGM	0.892	0.7366	6.2437	1.12E-04	0.004	1.64	-1.3693	none
TYRO3	0.948	0.7631	6.2431	1.12E-04	0.004	1.64	-1.4496	none
PTPRK	1.104	0.8244	6.2414	1.12E-04	0.004	1.64	-1.4638	none
WDR41	0.784	0.553	6.2405	1.12E-04	0.004	1.64	-0.8761	none
PLEKHH2	1.147	0.92	6.2397	1.12E-04	0.004	1.64	-1.3739	none
DNAJA3	0.712	0.567	6.2357	1.13E-04	0.004	1.63	-1.4699	none
SLC1A6	0.722	0.5746	6.2355	1.13E-04	0.004	1.63	-1.5309	none
TCF4	1.035	0.7666	6.2335	1.13E-04	0.004	1.63	-0.8872	none
CRLF3	0.907	0.7052	6.2331	1.13E-04	0.004	1.63	-1.2502	none
TNFRSF13U	0.78	0.5886	6.2327	1.13E-04	0.004	1.63	-1.6437	OA-related
OR7G2	0.665	0.4916	6.2312	1.13E-04	0.004	1.63	-1.5681	OA-related
DZANK1	0.832	0.6912	6.2278	1.14E-04	0.004	1.62	-1.4511	none
OPHN1	0.784	0.6464	6.2262	1.14E-04	0.004	1.62	-1.5077	none
ABCB9	0.869	0.7111	6.2239	1.14E-04	0.004	1.62	-1.5091	none

ZNF141	0.931	0.7211	6.2231	1.15E-04	0.004	1.62	-1.2787	none
TAF8	0.882	0.7548	6.2218	1.15E-04	0.004	1.62	-1.3802	none
ARHGAP8	1.012	0.8218	6.2185	1.15E-04	0.004	1.61	-1.4548	none
DAND5	0.864	0.6461	6.2184	1.15E-04	0.004	1.61	-1.3853	none
GBA2	1.077	0.9097	6.2166	1.15E-04	0.004	1.61	-1.1126	none
ABCC10	0.959	0.7999	6.216	1.16E-04	0.004	1.61	-1.468	none
AIPL1	0.632	0.4733	6.2116	1.16E-04	0.004	1.6	-1.0886	none
GCM1	0.728	0.5143	6.2097	1.16E-04	0.004	1.6	-1.3713	none
SLC26A8	0.711	0.5385	6.2018	1.18E-04	0.004	1.59	-1.368	none
OR111	0.717	0.5347	6.2016	1.18E-04	0.004	1.59	-1.59	OA-related
CSMD3	0.668	0.5237	6.2003	1.18E-04	0.004	1.59	-0.5	none
ANKRD40	1.004	0.7633	6.2	1.18E-04	0.004	1.59	-1.3782	none
TRIQQ	1.497	1.2202	6.198	1.18E-04	0.004	1.59	-0.9765	none
ZNF844	0.761	0.6048	6.1965	1.18E-04	0.004	1.59	-1.5328	OA-related
CYP4F8	0.82	0.6336	6.196	1.19E-04	0.004	1.58	-1.6056	OA-related
OR5211	0.652	0.5013	6.194	1.19E-04	0.004	1.58	-1.0983	none
CREB3L1	0.71	0.5474	6.1905	1.19E-04	0.004	1.58	-0.8403	none
NPIPB15	1.494	1.2004	6.1888	1.20E-04	0.004	1.58	-0.8776	none
CEP112	0.962	0.7478	6.1864	1.20E-04	0.004	1.57	-1.2829	none
MYO15A	0.724	0.5329	6.183	1.20E-04	0.004	1.57	-1.4536	none
C5AR2	0.749	0.5603	6.183	1.20E-04	0.004	1.57	-1.6276	OA-related
SCN3B	0.604	0.4334	6.1824	1.21E-04	0.004	1.57	-1.2256	none
ZNF385C	1.029	0.7602	6.1818	1.21E-04	0.004	1.57	-1.5452	OA-related
HLA-DOA	0.9	0.6684	6.1813	1.21E-04	0.004	1.57	-0.878	none
SCLY	0.771	0.6178	6.1797	1.21E-04	0.004	1.56	-1.3263	none
PLEKHA5	0.961	0.7525	6.1765	1.21E-04	0.004	1.56	-1.3439	none
GPALPP1	1.027	0.8557	6.1757	1.22E-04	0.004	1.56	-1.5666	OA-related
MOB1B	0.851	0.6805	6.1709	1.22E-04	0.004	1.55	-1.3779	none
FUT8	1.075	0.926	6.1706	1.22E-04	0.004	1.55	-1.5162	none
TSGA13	0.677	0.4967	6.1693	1.23E-04	0.004	1.55	-1.4205	none
CSNK1D	1.013	0.8597	6.1688	1.23E-04	0.004	1.55	-1.6311	OA-related
POU2AF1	0.933	0.8316	6.1682	1.23E-04	0.004	1.55	-1.3231	none
KLB	0.636	0.486	6.167	1.23E-04	0.004	1.55	-1.5673	OA-related
ZNF492	0.701	0.5353	6.1668	1.23E-04	0.004	1.55	-1.4691	none
KLC3	0.993	0.8188	6.1557	1.25E-04	0.004	1.53	-0.9953	none
TRAPPC2	0.704	0.5072	6.1552	1.25E-04	0.004	1.53	-1.5022	none
ELAVL1	0.866	0.7087	6.1537	1.25E-04	0.004	1.53	-1.6281	OA-related
TINCR	1.13	0.8937	6.1534	1.25E-04	0.004	1.53	-1.4333	none
C19ORF25	0.79	0.5734	6.1526	1.25E-04	0.004	1.53	-1.4097	none
FCHO2	0.697	0.5464	6.1513	1.25E-04	0.004	1.53	-1.3019	none



USHBP1	0.69	0.53	6.1487	1.26E-04	0.004	1.53	-1.055	none
TFPI	0.778	0.5887	6.1426	1.27E-04	0.004	1.52	-1.4371	none
COBLL1	0.794	0.6152	6.1381	1.28E-04	0.004	1.51	-1.5457	OA-related
HDAC6	1.158	1.0105	6.1381	1.28E-04	0.004	1.51	-1.3555	none
FRRS1L	0.749	0.5726	6.1364	1.28E-04	0.004	1.51	-1.5537	OA-related
CCDC24	0.815	0.6251	6.1358	1.28E-04	0.004	1.51	-1.5047	none
ZNF430	1.227	1.0889	6.1322	1.29E-04	0.004	1.5	-1.4485	none
TMEM185	0.863	0.6392	6.1316	1.29E-04	0.004	1.5	-1.3138	none
TERB1	1.557	1.254	6.1315	1.29E-04	0.004	1.5	-0.8746	none
C12ORF50	0.75	0.5744	6.1294	1.29E-04	0.004	1.5	-1.4048	none
CHRNB1	0.76	0.5441	6.1267	1.29E-04	0.004	1.5	-1.2808	none
DYDC1	1.582	1.2867	6.1236	1.30E-04	0.004	1.49	-1.2707	none
ETFDH	0.617	0.4912	6.123	1.30E-04	0.004	1.49	-1.4488	none
PGS1	0.745	0.5899	6.1191	1.31E-04	0.004	1.49	-1.4837	none
CYP1A2	0.772	0.6126	6.1162	1.31E-04	0.004	1.48	-1.6119	OA-related
SPACA9	0.682	0.4884	6.1151	1.31E-04	0.004	1.48	-1.2342	none
SLC52A1	0.846	0.6352	6.1146	1.31E-04	0.004	1.48	-1.473	none
C9ORF85	0.829	0.6256	6.1141	1.32E-04	0.004	1.48	-1.5001	none
ZIM3	0.66	0.4896	6.1134	1.32E-04	0.004	1.48	-1.5733	OA-related
NRROS	0.658	0.5723	6.1129	1.32E-04	0.004	1.48	-0.8137	none
MPRIP	1.233	1.0951	6.1114	1.32E-04	0.004	1.48	-1.3025	none
GAL3ST1	0.738	0.564	6.1098	1.32E-04	0.004	1.48	-1.2527	none
CCDC36	0.819	0.6643	6.109	1.32E-04	0.004	1.48	-0.955	none
ARID1B	1.58	1.4346	6.1045	1.33E-04	0.004	1.47	-0.9199	none
UEVLD	0.773	0.5471	6.1022	1.34E-04	0.004	1.47	-1.3998	none
TAS2R4	0.63	0.5173	6.101	1.34E-04	0.004	1.47	-1.4989	none
CEACAM1	1.142	0.957	6.1005	1.34E-04	0.004	1.46	-0.8188	none
SFMBT1	0.983	0.7956	6.0944	1.35E-04	0.004	1.46	-1.2259	none
BBIP1	0.703	0.4292	6.0943	1.35E-04	0.004	1.46	-0.2578	none
LAMC2	0.635	0.4772	6.094	1.35E-04	0.004	1.46	-1.2085	none
RASEF	0.673	0.5398	6.0933	1.35E-04	0.004	1.46	-1.5487	OA-related
CNKSR3	0.621	0.4518	6.0923	1.35E-04	0.004	1.45	-1.4711	none
ZNF846	1.058	0.8883	6.0915	1.35E-04	0.004	1.45	-0.7219	none
CDH18	0.943	0.7456	6.0913	1.35E-04	0.004	1.45	-1.1485	none
SLC50A1	0.697	0.4742	6.0864	1.36E-04	0.004	1.45	-1.3709	none
CLEC3A	0.874	0.6665	6.0861	1.36E-04	0.004	1.45	-1.4558	none
ADAMTS4	0.721	0.5815	6.0854	1.37E-04	0.004	1.45	-1.3359	none
NXN	0.786	0.5919	6.0832	1.37E-04	0.004	1.44	-0.8436	none
COG1	1.028	0.8868	6.0826	1.37E-04	0.004	1.44	-1.2424	none
EFCAB2	0.973	0.7132	6.0823	1.37E-04	0.004	1.44	-1.4014	none

MARK3	1.22	1.0489	6.0804	1.37E-04	0.004	1.44	-1.528	none
COL8A1	0.766	0.6083	6.0781	1.38E-04	0.004	1.44	-0.7549	none
GSDMB	0.765	0.5914	6.077	1.38E-04	0.004	1.43	-1.2225	none
EFCAB11	1.171	0.8735	6.074	1.39E-04	0.004	1.43	-1.1881	none
MEFV	0.784	0.5631	6.0633	1.40E-04	0.004	1.42	-1.4252	none
ZNF586	0.78	0.5908	6.0604	1.41E-04	0.004	1.41	-1.3969	none
GAB1	1.03	0.8156	6.0544	1.42E-04	0.004	1.41	-1.5167	none
IFT122	1.128	0.9399	6.0485	1.43E-04	0.004	1.4	-1.416	none
OR7A17	0.768	0.5701	6.0484	1.43E-04	0.004	1.4	-1.521	none
ZNF114	0.745	0.5448	6.048	1.43E-04	0.004	1.4	-1.4348	none
S1PR3	0.635	0.4607	6.0472	1.43E-04	0.004	1.4	-1.5542	OA-related
ABCG8	0.707	0.5627	6.0428	1.44E-04	0.004	1.39	-1.5053	none
KCNC1	1.164	0.9981	6.0383	1.45E-04	0.004	1.39	-1.1027	none
STAP2	0.897	0.704	6.0376	1.45E-04	0.004	1.38	-1.3874	none
FGFR1	0.798	0.6107	6.0367	1.45E-04	0.004	1.38	-1.3878	none
LGMN	0.88	0.7044	6.0359	1.46E-04	0.004	1.38	-1.4653	none
KIAA1191	0.797	0.603	6.0344	1.46E-04	0.004	1.38	-0.9041	none
RPRD1A	0.765	0.5444	6.0292	1.47E-04	0.004	1.37	-0.4985	none
SLC24A4	0.639	0.4818	6.0272	1.47E-04	0.004	1.37	-1.621	OA-related
RASGRP3	1.008	0.8334	6.0271	1.47E-04	0.004	1.37	-1.4525	none
C6ORF141	1.213	1.0085	6.0233	1.48E-04	0.004	1.37	-1.0781	none
UTP14C	0.77	0.5131	6.0223	1.48E-04	0.004	1.37	0.0645	none
SGCE	0.85	0.6604	6.0207	1.48E-04	0.004	1.36	-1.567	OA-related
ASB9	0.981	0.7875	6.0171	1.49E-04	0.004	1.36	0.22548	none
TADA2A	1.267	1.0475	6.0169	1.49E-04	0.004	1.36	-1.3285	none
GP2	0.63	0.491	6.0141	1.50E-04	0.004	1.35	-0.1776	none
ZNF3	1.067	0.8993	6.0136	1.50E-04	0.004	1.35	-1.5245	none
FBXO43	0.774	0.5837	6.0132	1.50E-04	0.004	1.35	-1.422	none
HVCN1	0.79	0.552	6.0129	1.50E-04	0.004	1.35	-1.0141	none
METTL2B	0.831	0.6624	6.011	1.50E-04	0.004	1.35	-1.3083	none
RUVBL1	0.802	0.6446	6.0093	1.51E-04	0.004	1.35	-1.4965	none
KCTD21	1.047	0.814	6.0035	1.52E-04	0.004	1.34	-1.3817	none
STK38L	0.752	0.5691	6.0031	1.52E-04	0.004	1.34	-1.2979	none
ZNF713	0.849	0.705	5.9999	1.52E-04	0.004	1.34	-1.5386	OA-related
SUOX	0.727	0.5603	5.9994	1.53E-04	0.004	1.34	-1.5022	none
PTPN2	0.728	0.5507	5.9973	1.53E-04	0.004	1.33	-1.2591	none
PTGR2	0.706	0.5868	5.996	1.53E-04	0.004	1.33	-1.3507	none
LAMB4	0.828	0.6101	5.9912	1.54E-04	0.004	1.33	-1.2028	none
GHR	0.95	0.7458	5.9907	1.54E-04	0.004	1.32	-1.4194	none
COG4	0.737	0.582	5.9901	1.54E-04	0.004	1.32	-1.3415	none

TTLL9	0.579	0.4421	5.9899	1.54E-04	0.004	1.32	-1.4198	none
C8ORF44	0.982	0.6776	5.9897	1.54E-04	0.004	1.32	-1.4439	none
NFS1	0.799	0.6485	5.9879	1.55E-04	0.004	1.32	-1.461	none
MOGAT3	0.707	0.5305	5.9835	1.56E-04	0.004	1.32	-1.5928	OA-related
SLC11A2	0.648	0.4509	5.9817	1.56E-04	0.004	1.31	-1.5199	none
GNPTG	0.814	0.7143	5.9808	1.56E-04	0.004	1.31	-1.0513	none
CLEC4M	0.847	0.6681	5.9793	1.57E-04	0.004	1.31	-1.1588	none
FBXL20	0.617	0.4432	5.9789	1.57E-04	0.004	1.31	-1.3216	none
TANGO6	1.018	0.8406	5.9787	1.57E-04	0.004	1.31	-1.0497	none
SIRT2	0.798	0.6022	5.9743	1.58E-04	0.004	1.3	-1.2058	none
KDM1B	0.977	0.8271	5.9723	1.58E-04	0.004	1.3	-1.0823	none
TRIM65	0.978	0.8144	5.9722	1.58E-04	0.004	1.3	-1.2938	none
NUPL2	0.771	0.561	5.9684	1.59E-04	0.004	1.3	-1.3478	none
PDZD2	0.849	0.6667	5.9682	1.59E-04	0.004	1.3	-0.6122	none
GJC1	0.744	0.5283	5.9675	1.59E-04	0.004	1.29	-1.5043	none
MSS51	0.769	0.5913	5.9673	1.59E-04	0.004	1.29	-1.5043	none
TRPM4	0.706	0.5441	5.9672	1.59E-04	0.004	1.29	-1.4277	none
MUTYH	0.894	0.7157	5.9654	1.59E-04	0.004	1.29	-1.5911	OA-related
MME	0.789	0.5918	5.9635	1.60E-04	0.004	1.29	-1.3289	none
PAWR	0.824	0.707	5.9622	1.60E-04	0.004	1.29	-1.2639	none
BOLL	0.612	0.4556	5.9619	1.60E-04	0.004	1.29	-1.0938	none
AAMDC	0.925	0.6401	5.9619	1.60E-04	0.004	1.29	-1.2324	none
SULT2A1	0.777	0.5759	5.9618	1.60E-04	0.004	1.29	-1.5421	OA-related
SF3B3	0.614	0.5066	5.9602	1.61E-04	0.004	1.29	-1.0856	none
ATF7IP2	0.601	0.4378	5.9593	1.61E-04	0.004	1.28	-0.8742	none
C15ORF41	0.8	0.5663	5.956	1.61E-04	0.004	1.28	-0.9202	none
IRGQ	0.889	0.7295	5.9551	1.62E-04	0.004	1.28	-1.5003	none
PPIL6	0.858	0.6919	5.9542	1.62E-04	0.004	1.28	-1.1666	none
CHRNA6	1.536	1.1863	5.952	1.62E-04	0.004	1.27	-1.3544	none
OSTM1	0.766	0.5505	5.9507	1.63E-04	0.004	1.27	-0.8885	none
ARHGDIG	1.2	0.9882	5.9501	1.63E-04	0.004	1.27	-1.1903	none
FCN1	0.567	0.4488	5.9473	1.63E-04	0.004	1.27	-1.4598	none
ZNF564	0.861	0.621	5.9428	1.64E-04	0.004	1.26	-1.03	none
NAP1L6	0.858	0.6793	5.9402	1.65E-04	0.004	1.26	-0.9036	none
TM7SF3	0.914	0.6384	5.9382	1.65E-04	0.004	1.26	-1.1723	none
LYPD5	0.744	0.547	5.9371	1.65E-04	0.004	1.26	-1.5748	OA-related
OR2L2	0.646	0.4945	5.9358	1.66E-04	0.004	1.25	-1.5336	OA-related
SLC35E3	0.884	0.6945	5.9354	1.66E-04	0.004	1.25	-0.6225	none
CNTN1	0.846	0.6517	5.9334	1.66E-04	0.004	1.25	-1.0128	none
ZNF397	0.836	0.6419	5.9333	1.66E-04	0.004	1.25	-1.39	none

FAM228B	0.942	0.8086	5.9331	1.66E-04	0.004	1.25	-1.3903	none
NOVA2	0.991	0.7445	5.9322	1.66E-04	0.004	1.25	-1.2108	none
MYH11	0.803	0.6364	5.932	1.67E-04	0.004	1.25	-1.3422	none
AC007325	0.61	0.4481	5.9319	1.67E-04	0.004	1.25	-1.1803	none
CYP3A5	0.691	0.5656	5.9313	1.67E-04	0.004	1.25	-1.5291	none
SPATA21	0.651	0.4985	5.9304	1.67E-04	0.004	1.25	-1.3576	none
GSG1	0.706	0.5655	5.9288	1.67E-04	0.004	1.25	-1.5378	OA-related
ZNF839	0.747	0.5989	5.9266	1.68E-04	0.004	1.24	-0.9592	none
ZNF805	0.685	0.4752	5.9189	1.69E-04	0.004	1.23	-1.3362	none
CNPY4	0.921	0.7424	5.9184	1.70E-04	0.004	1.23	-1.5359	OA-related
ELF5	0.817	0.6504	5.9172	1.70E-04	0.004	1.23	-1.5509	OA-related
DEPDC5	0.934	0.7688	5.9168	1.70E-04	0.004	1.23	-1.2565	none
TLR3	0.532	0.3794	5.9142	1.70E-04	0.004	1.23	-1.2206	none
FRK	0.658	0.5039	5.9134	1.71E-04	0.004	1.23	-1.4513	none
SMURF2	0.9	0.7818	5.9129	1.71E-04	0.004	1.22	-1.5338	OA-related
CASK	0.971	0.8018	5.9127	1.71E-04	0.004	1.22	-1.0156	none
TRPM8	0.677	0.4699	5.9122	1.71E-04	0.004	1.22	-1.3541	none
PDE12	0.568	0.4426	5.91	1.71E-04	0.004	1.22	-1.0111	none
ZNF396	0.81	0.5726	5.9088	1.72E-04	0.004	1.22	-0.9842	none
BACE1	1.037	0.937	5.9076	1.72E-04	0.004	1.22	-1.4648	none
SEC14L6	0.757	0.5708	5.9074	1.72E-04	0.004	1.22	-1.6092	OA-related
SLC23A1	1.013	0.8972	5.9049	1.73E-04	0.004	1.21	-0.4876	none
ZNF12	1.036	0.8459	5.9041	1.73E-04	0.004	1.21	-1.5375	OA-related
RILPL1	0.801	0.6704	5.9036	1.73E-04	0.004	1.21	-1.6272	OA-related
NSRP1	1.289	1.1558	5.9027	1.73E-04	0.004	1.21	-1.4265	none
TNFAIP8L3	0.703	0.5228	5.9025	1.73E-04	0.004	1.21	-1.3811	none
SYT12	0.555	0.4295	5.901	1.73E-04	0.004	1.21	-1.4201	none
DNAH3	0.843	0.6764	5.9007	1.73E-04	0.004	1.21	-1.3489	none
ANKRD16	0.593	0.436	5.9004	1.74E-04	0.004	1.21	-1.4894	none
SFXN5	0.858	0.5843	5.8998	1.74E-04	0.004	1.21	-1.1413	none
CPM	0.891	0.7217	5.897	1.74E-04	0.004	1.2	-1.0769	none
ABCA6	0.729	0.5621	5.8952	1.75E-04	0.004	1.2	-1.221	none
ACOT11	0.748	0.6034	5.895	1.75E-04	0.004	1.2	-1.5563	OA-related
ZNF283	0.966	0.75	5.8906	1.76E-04	0.004	1.2	-1.4471	none
ATP6V0A1	0.665	0.4877	5.8875	1.77E-04	0.004	1.19	-1.4741	none
CSNK2A1	0.576	0.4351	5.8818	1.78E-04	0.004	1.18	-1.0028	none
STK25	0.802	0.659	5.8799	1.78E-04	0.004	1.18	-1.2932	none
GALNT9	0.708	0.572	5.8759	1.79E-04	0.004	1.18	-0.8726	none
SCPEP1	0.643	0.4309	5.8742	1.80E-04	0.004	1.17	-1.3134	none
ANKLE2	1.049	0.9472	5.8718	1.80E-04	0.004	1.17	-1.4423	none

SPINK1	1.037	0.7518	5.8683	1.81E-04	0.005	1.17	-1.3864	none
KIF6	0.895	0.7225	5.8656	1.82E-04	0.005	1.16	-1.4666	none
CHN2	1.629	1.3654	5.8637	1.82E-04	0.005	1.16	-1.1337	none
BRAF	0.74	0.5959	5.8625	1.82E-04	0.005	1.16	-1.5515	OA-related
SNTG1	0.913	0.7402	5.8597	1.83E-04	0.005	1.16	-1.2972	none
NPC1	0.577	0.4767	5.8586	1.83E-04	0.005	1.15	-1.3919	none
ARHGAP2	0.848	0.6619	5.8582	1.83E-04	0.005	1.15	-0.7805	none
C9ORF66	0.713	0.5531	5.8544	1.84E-04	0.005	1.15	-1.4295	none
NEK10	0.778	0.6125	5.8542	1.84E-04	0.005	1.15	-1.3314	none
FRMPD3	0.719	0.5454	5.8521	1.85E-04	0.005	1.15	-1.4397	none
HSD17B13	0.73	0.5704	5.8438	1.87E-04	0.005	1.13	-1.5002	none
PCDHB1	0.691	0.5147	5.843	1.87E-04	0.005	1.13	-1.5646	OA-related
PLBD1	0.871	0.6886	5.8416	1.88E-04	0.005	1.13	-1.1155	none
GALK2	0.726	0.5012	5.8406	1.88E-04	0.005	1.13	-1.4737	none
STX8	0.881	0.6618	5.8404	1.88E-04	0.005	1.13	-1.0563	none
GFI1B	0.662	0.5074	5.8387	1.88E-04	0.005	1.13	-1.2996	none
L3MBTL1	0.776	0.5703	5.8383	0.00019	0.005	1.13	-1.5154	none
PRKG1	0.893	0.6717	5.8376	1.88E-04	0.005	1.13	-1.0669	none
DAPK2	0.782	0.6174	5.8376	1.88E-04	0.005	1.13	-1.3803	none
GPR82	0.985	0.7497	5.8343	1.89E-04	0.005	1.12	-0.9649	none
ZNF487	0.845	0.6308	5.83	1.90E-04	0.005	1.12	-0.7032	none
GTF2IRD2	0.927	0.7365	5.8283	1.91E-04	0.005	1.11	-1.3855	none
INHBE	0.535	0.3938	5.8225	1.92E-04	0.005	1.11	-1.5082	none
FUT2	0.702	0.5512	5.8209	1.93E-04	0.005	1.1	-1.5575	OA-related
OR56A4	0.729	0.5372	5.8192	1.93E-04	0.005	1.1	-1.1095	none
CERS5	0.849	0.6106	5.816	1.94E-04	0.005	1.1	-1.1234	none
GATAD1	0.81	0.703	5.8156	1.94E-04	0.005	1.1	-1.5065	none
KANSL3	1.075	0.8973	5.815	1.94E-04	0.005	1.1	-1.5278	none
TPM1	0.788	0.6075	5.813	1.95E-04	0.005	1.09	-1.5828	OA-related
PUS10	0.911	0.725	5.8127	1.95E-04	0.005	1.09	-1.3377	none
PFKM	0.968	0.8037	5.8081	1.96E-04	0.005	1.09	-1.4857	none
SPP2	0.861	0.6577	5.807	1.96E-04	0.005	1.09	-0.8926	none
PPIAL4G	0.594	0.4624	5.8067	1.96E-04	0.005	1.09	-1.4716	none
P3H4	0.814	0.6203	5.8061	1.97E-04	0.005	1.09	-1.3322	none
FCER1G	0.861	0.6181	5.8058	1.97E-04	0.005	1.08	-0.9957	none
TMEM67	1.016	0.7554	5.8031	1.97E-04	0.005	1.08	-1.1904	none
GFM1	0.832	0.6698	5.8025	1.97E-04	0.005	1.08	-0.955	none
PCDHGA6	0.586	0.4254	5.8023	1.97E-04	0.005	1.08	-1.5227	none
DCN	1.023	0.8452	5.8017	1.98E-04	0.005	1.08	-1.1938	none
SOX6	0.939	0.7977	5.8016	1.98E-04	0.005	1.08	-0.5472	none

ZSWIM1	0.844	0.7458	5.8011	1.98E-04	0.005	1.08	-1.5657	OA-related
C20ORF14	0.798	0.5979	5.7993	1.98E-04	0.005	1.08	-1.5683	OA-related
SNIP1	0.651	0.5232	5.7984	1.99E-04	0.005	1.08	-1.5273	none
S100PBP	0.742	0.4983	5.797	1.99E-04	0.005	1.07	-1.3943	none
ABCG1	1.159	0.8757	5.7966	1.99E-04	0.005	1.07	-1.0044	none
CELF5	0.75	0.5854	5.7965	1.99E-04	0.005	1.07	-1.2937	none
SOX13	0.598	0.4263	5.7958	1.99E-04	0.005	1.07	-1.4881	none
NRG4	1.408	1.2299	5.7951	1.99E-04	0.005	1.07	-1.089	none
RNF220	0.836	0.6996	5.7944	2.00E-04	0.005	1.07	-1.2126	none
CSMD1	0.894	0.8411	5.7923	2.00E-04	0.005	1.07	-0.4422	none
DAAM2	0.824	0.6049	5.7908	2.01E-04	0.005	1.07	-1.1831	none
ZNF665	1.023	0.7701	5.7907	2.01E-04	0.005	1.07	-1.2771	none
ELN	1.094	0.8225	5.7886	2.01E-04	0.005	1.06	-0.5786	none
TMEM212	0.703	0.5375	5.7879	2.01E-04	0.005	1.06	-1.34	none
DNAJC5G	0.778	0.6017	5.7843	2.02E-04	0.005	1.06	-0.3891	none
OR1A1	0.632	0.4984	5.784	2.02E-04	0.005	1.06	-1.6414	OA-related
CEBPZOS	0.694	0.5141	5.7823	2.03E-04	0.005	1.05	-1.3594	none
PNPO	0.552	0.3929	5.7788	2.04E-04	0.005	1.05	-1.1689	none
ERO1A	0.774	0.5286	5.7776	2.04E-04	0.005	1.05	-1.5479	OA-related
BLOC1S6	0.595	0.4454	5.7772	2.04E-04	0.005	1.05	-1.2355	none
CBFA2T2	0.892	0.7361	5.777	2.04E-04	0.005	1.05	-1.5974	OA-related
FITM2	0.662	0.5231	5.7751	2.05E-04	0.005	1.04	-1.5401	OA-related
UQCRHL	0.62	0.4484	5.775	2.05E-04	0.005	1.04	-1.2546	none
PPP2R2D	0.705	0.5621	5.7749	2.05E-04	0.005	1.04	-0.8953	none
PIGN	0.577	0.3477	5.7745	2.05E-04	0.005	1.04	-1.1367	none
PROCR	1.015	0.7693	5.7739	2.05E-04	0.005	1.04	-1.2134	none
TIAM2	1.428	1.1828	5.7711	2.06E-04	0.005	1.04	-1.3935	none
OR51B5	0.639	0.4522	5.7699	2.06E-04	0.005	1.04	-0.9761	none
FAM71F2	0.954	0.632	5.7696	2.06E-04	0.005	1.04	-1.2023	none
ZNF544	0.855	0.6638	5.769	2.06E-04	0.005	1.04	-1.4164	none
A2ML1	0.652	0.5428	5.7658	2.07E-04	0.005	1.03	-1.2933	none
CLCN6	0.826	0.6976	5.7636	2.08E-04	0.005	1.03	-1.2529	none
OPRM1	0.576	0.4445	5.7604	2.09E-04	0.005	1.03	-1.6403	OA-related
CDC20B	0.677	0.5057	5.7586	2.09E-04	0.005	1.02	-1.3443	none
FAM189B	0.612	0.4618	5.7582	2.09E-04	0.005	1.02	-1.5899	OA-related
TMEM40	0.793	0.5974	5.7563	2.10E-04	0.005	1.02	-1.2453	none
SRSF12	0.933	0.6406	5.7559	2.10E-04	0.005	1.02	-1.4303	none
GTF2I	1.002	0.8758	5.7545	2.10E-04	0.005	1.02	-1.5524	OA-related
TNFRSF1A	0.625	0.4765	5.7534	2.11E-04	0.005	1.02	-1.1816	none
C5	1.046	0.8396	5.7519	2.11E-04	0.005	1.01	-1.3821	none

OR2B11	0.521	0.3902	5.7477	2.12E-04	0.005	1.01	-1.6537	OA-related
ZFP42	0.652	0.4917	5.7477	2.12E-04	0.005	1.01	-1.555	OA-related
TRAF6	0.837	0.6396	5.7468	2.13E-04	0.005	1.01	-0.8714	none
KCNN1	0.745	0.5601	5.7462	2.13E-04	0.005	1.01	-1.4383	none
CA5A	0.768	0.5646	5.7449	2.13E-04	0.005	1	-1.5911	OA-related
ABCC2	0.891	0.6845	5.7445	2.13E-04	0.005	1	-0.8125	none
BHMT	0.836	0.7136	5.7434	2.14E-04	0.005	1	-0.6839	none
USP54	1.184	1.0341	5.7415	2.14E-04	0.005	1	-1.2409	none
IL10	0.966	0.8171	5.7367	2.15E-04	0.005	0.99	-1.0211	none
PQLC1	0.879	0.6702	5.7353	2.16E-04	0.005	0.99	-1.071	none
RBM23	0.713	0.5621	5.7349	2.16E-04	0.005	0.99	-1.1371	none
GIGYF2	1.15	0.9682	5.7331	2.17E-04	0.005	0.99	-1.2678	none
SHC1	0.719	0.5986	5.7326	2.17E-04	0.005	0.99	-1.2061	none
ZMAT3	0.597	0.4122	5.7315	2.17E-04	0.005	0.99	-1.3396	none
MAP3K10	0.925	0.794	5.7314	2.17E-04	0.005	0.99	-1.4845	none
SPATA31A	0.951	0.8268	5.7304	2.17E-04	0.005	0.99	-1.4923	none
CAPN10	0.567	0.4907	5.7273	2.18E-04	0.005	0.98	-0.7109	none
HSD11B1L	1.297	0.9646	5.7243	2.19E-04	0.005	0.98	-1.1802	none
HMGCS1	0.621	0.4819	5.7236	2.19E-04	0.005	0.98	-0.9093	none
ZNF785	0.789	0.6092	5.7218	2.20E-04	0.005	0.97	-1.2867	none
NUP133	0.604	0.4789	5.7212	2.20E-04	0.005	0.97	-1.0085	none
MTFMT	0.562	0.3793	5.7207	2.20E-04	0.005	0.97	-1.2717	none
RDH16	0.534	0.387	5.72	2.20E-04	0.005	0.97	-1.6027	OA-related
AKAP9	1.016	0.8647	5.7188	2.21E-04	0.005	0.97	-1.5057	none
OXR1	1.061	0.9066	5.7176	2.21E-04	0.005	0.97	-0.8545	none
ST5	1.364	1.1947	5.7162	2.21E-04	0.005	0.97	-1.2426	none
SERPINF1	0.744	0.6448	5.7155	2.22E-04	0.005	0.97	-1.1708	none
LRRTM4	0.944	0.7951	5.7154	2.22E-04	0.005	0.97	-1.0879	none
HOGA1	0.753	0.5709	5.7133	2.22E-04	0.005	0.96	-1.0532	none
ANKRD62	0.494	0.3589	5.7129	2.22E-04	0.005	0.96	-1.4833	none
CRK	0.716	0.5781	5.7127	2.22E-04	0.005	0.96	-1.4394	none
MATN2	0.765	0.5971	5.7099	2.23E-04	0.005	0.96	-1.4048	none
FHAD1	0.773	0.6372	5.7079	2.24E-04	0.005	0.96	-0.8665	none
KCP	0.619	0.4547	5.7066	2.24E-04	0.005	0.95	-1.3138	none
PAPLN	0.575	0.4504	5.7054	2.25E-04	0.005	0.95	-1.5209	none
RBBP5	0.725	0.5372	5.7032	2.25E-04	0.005	0.95	-1.6175	OA-related
HERC2	0.956	0.7779	5.7001	2.26E-04	0.005	0.95	-1.2527	none
UGGT2	0.801	0.5714	5.6978	2.27E-04	0.005	0.94	-1.2155	none
ADGRD2	0.808	0.6302	5.6931	2.28E-04	0.005	0.94	-1.3532	none
NVL	0.858	0.7227	5.6919	2.29E-04	0.005	0.93	-1.2996	none

CLDN16	0.68	0.4879	5.6914	2.29E-04	0.005	0.93	-1.3275	none
ELMOD3	0.607	0.462	5.6913	2.29E-04	0.005	0.93	-1.4792	none
FAAP24	0.797	0.6701	5.6901	2.29E-04	0.005	0.93	-1.3874	none
LETM2	0.728	0.5806	5.6892	2.30E-04	0.005	0.93	-1.0278	none
RPS6KL1	0.867	0.7033	5.6862	2.31E-04	0.005	0.93	-0.8781	none
TAF1B	0.841	0.6505	5.6824	2.32E-04	0.005	0.92	-1.1189	none
OR14J1	0.525	0.4026	5.6809	2.32E-04	0.005	0.92	-1.3686	none
ST3GAL3	0.817	0.6361	5.6798	2.33E-04	0.005	0.92	-1.6637	OA-related
SLC25A21	0.717	0.5032	5.6777	2.33E-04	0.005	0.92	-1.2287	none
AC087651	0.644	0.4815	5.6771	2.33E-04	0.005	0.91	-1.5646	OA-related
OR5AS1	0.648	0.4982	5.6766	2.33E-04	0.005	0.91	-1.3985	none
CTF1	0.655	0.4878	5.6761	2.34E-04	0.005	0.91	-1.039	none
PTGES3L	0.987	0.7413	5.6727	2.35E-04	0.005	0.91	-1.2764	none
EFCAB12	0.577	0.4482	5.6719	2.35E-04	0.005	0.91	-1.4974	none
DCBLD2	1.301	1.0184	5.6716	2.35E-04	0.005	0.91	-1.1769	none
TMED4	0.711	0.5067	5.6692	2.36E-04	0.005	0.9	-1.5265	none
TTLL3	0.988	0.8195	5.6692	2.36E-04	0.005	0.9	-1.2686	none
RICTOR	0.989	0.8279	5.6676	2.36E-04	0.005	0.9	-1.5858	OA-related
LPIN1	0.923	0.7613	5.664	2.37E-04	0.005	0.9	-1.3412	none
GSE1	0.965	0.7996	5.6626	2.38E-04	0.005	0.9	-1.2914	none
TTC23	0.874	0.6941	5.6622	2.38E-04	0.005	0.89	-1.3977	none
EIF2D	0.603	0.4447	5.6621	2.38E-04	0.005	0.89	-1.2188	none
POMZP3	0.732	0.5222	5.6617	2.38E-04	0.005	0.89	-1.3539	none
C3ORF70	0.63	0.4694	5.6609	2.38E-04	0.005	0.89	-1.4527	none
NAV1	0.648	0.4952	5.6601	2.39E-04	0.005	0.89	-1.5413	OA-related
PLEKHD1	0.629	0.493	5.6598	2.39E-04	0.005	0.89	-1.5619	OA-related
SEC23A	0.923	0.7438	5.6587	2.39E-04	0.005	0.89	-1.4592	none
ETFBKMT	1.226	0.9219	5.6582	2.39E-04	0.005	0.89	-1.1257	none
CRTAM	0.658	0.5004	5.6579	2.39E-04	0.005	0.89	-0.7682	none
VPS11	0.756	0.6425	5.6574	2.40E-04	0.005	0.89	-1.2985	none
KCNMB1	0.633	0.4934	5.6555	2.40E-04	0.005	0.89	-1.5347	OA-related
ULK2	0.896	0.6783	5.6532	2.41E-04	0.005	0.88	-0.9906	none
RENBP	1.162	0.9419	5.653	2.41E-04	0.005	0.88	-1.4403	none
CDH15	0.693	0.5088	5.6526	2.41E-04	0.005	0.88	-1.0392	none
SPDYE5	1.131	0.9839	5.6525	2.41E-04	0.005	0.88	-1.4073	none
ATP6V0A2	0.765	0.5491	5.6523	2.41E-04	0.005	0.88	-1.3874	none
PHACTR1	0.938	0.7526	5.6513	2.42E-04	0.005	0.88	-1.0711	none
AICDA	0.64	0.4618	5.6512	2.42E-04	0.005	0.88	-1.4777	none
CDH12	0.814	0.63	5.6503	2.42E-04	0.005	0.88	-1.4189	none
SPECC1	1.244	1.0625	5.6503	2.42E-04	0.005	0.88	-1.5442	OA-related



CHST12	0.674	0.4995	5.6494	2.42E-04	0.005	0.88	-1.126	none
MYL10	0.922	0.7429	5.649	2.42E-04	0.005	0.88	-1.5264	none
STIL	1.078	0.8449	5.6478	2.43E-04	0.005	0.88	-0.854	none
DYNLT3	0.743	0.5088	5.6459	2.43E-04	0.005	0.87	-0.9524	none
TRIM16L	0.761	0.5007	5.6444	2.44E-04	0.005	0.87	-1.2619	none
MAGEB10	0.711	0.5557	5.6435	2.44E-04	0.005	0.87	-1.257	none
APLP2	1.046	0.9039	5.6417	2.45E-04	0.005	0.87	-1.3515	none
BEND2	0.631	0.479	5.6411	2.45E-04	0.005	0.87	-1.5853	OA-related
KCTD19	1.62	1.3571	5.6401	2.45E-04	0.005	0.87	-1.1594	none
ACSS3	0.672	0.4691	5.6384	2.46E-04	0.005	0.86	-1.2453	none
ULBP3	0.86	0.7176	5.638	2.46E-04	0.005	0.86	-1.1618	none
SPAG7	0.682	0.5613	5.6349	2.47E-04	0.005	0.86	-1.1521	none
MLLT10	1.059	0.8399	5.629	2.49E-04	0.005	0.85	-1.2613	none
CCDC191	0.889	0.6646	5.6278	2.49E-04	0.005	0.85	-0.6325	none
ZNF8	0.686	0.55	5.6245	2.50E-04	0.005	0.84	-1.6358	OA-related
RNF217	0.946	0.8761	5.6224	2.51E-04	0.005	0.84	-0.9062	none
AXL	0.675	0.4869	5.6215	2.51E-04	0.005	0.84	-1.2165	none
UPB1	0.635	0.4897	5.6194	2.52E-04	0.005	0.84	-1.397	none
LEMD3	1.109	0.9238	5.6188	2.52E-04	0.005	0.84	-1.6003	OA-related
NR6A1	0.581	0.4496	5.6186	2.52E-04	0.005	0.84	-1.5099	none
SLC48A1	0.625	0.4354	5.6099	2.55E-04	0.005	0.82	-1.391	none
GABRA1	0.721	0.5248	5.609	2.56E-04	0.005	0.82	-1.5343	OA-related
CAPS	0.644	0.5022	5.6087	2.56E-04	0.005	0.82	-1.4981	none
UGT1A1	0.545	0.4159	5.6084	2.56E-04	0.005	0.82	-1.1683	none
TMC1	0.77	0.5848	5.6045	2.57E-04	0.005	0.82	-0.9861	none
UBE2O	1.435	1.3061	5.6038	2.58E-04	0.005	0.82	-1.276	none
THRA	0.693	0.6215	5.6025	2.58E-04	0.005	0.81	-1.356	none
HTR3B	0.656	0.4892	5.6024	2.58E-04	0.005	0.81	-1.5587	OA-related
GRK4	0.84	0.6476	5.6023	2.58E-04	0.005	0.81	-1.4317	none
TMEM143	0.583	0.4723	5.6021	2.58E-04	0.005	0.81	-1.1579	none
MFSD13A	0.966	0.7604	5.5978	2.60E-04	0.005	0.81	-1.3384	none
FAM186A	0.611	0.4876	5.5954	2.60E-04	0.005	0.81	-1.4253	none
CYP2W1	0.676	0.4605	5.595	2.61E-04	0.005	0.8	-1.4287	none
PPP1R13L	1.019	0.8586	5.5943	2.61E-04	0.005	0.8	-1.3172	none
DNM2	1.257	1.0872	5.591	2.62E-04	0.005	0.8	-1.4356	none
UBE2S	1.06	0.8189	5.5896	2.63E-04	0.005	0.8	-1.0548	none
BST1	0.874	0.6803	5.5895	2.63E-04	0.005	0.8	-1.5453	OA-related
TRNAU1A1	0.894	0.645	5.5888	2.63E-04	0.005	0.8	-1.0141	none
TMEM119	0.887	0.6226	5.5883	2.63E-04	0.005	0.8	-1.1882	none
HTR1D	0.662	0.5263	5.5881	2.63E-04	0.005	0.8	-1.4943	none

OR10A3	0.529	0.3834	5.5878	2.63E-04	0.005	0.8	-1.535	OA-related
SENP7	1.101	0.9222	5.587	2.63E-04	0.005	0.79	-1.3346	none
CYTH4	0.784	0.6336	5.5796	2.66E-04	0.005	0.78	-1.028	none
GOSR1	0.628	0.4758	5.5755	2.68E-04	0.005	0.78	-1.2209	none
SDCCAG8	0.801	0.5438	5.5742	2.68E-04	0.005	0.78	-0.9257	none
ZNF343	0.828	0.7328	5.5724	2.69E-04	0.005	0.77	-1.1783	none
MCU	0.633	0.4123	5.5718	2.69E-04	0.005	0.77	-0.3193	none
DPPA4	0.733	0.511	5.5707	2.69E-04	0.005	0.77	-1.5185	none
ZNF529	0.984	0.728	5.5669	2.71E-04	0.005	0.77	-1.388	none
ZNF670-ZNF671	0.599	0.4869	5.566	2.71E-04	0.005	0.77	-1.318	none
ZNF799	1.069	0.8248	5.5622	2.72E-04	0.005	0.76	-1.3358	none
ICA1L	0.974	0.8507	5.5611	2.73E-04	0.005	0.76	-1.0447	none
ZNF776	1.059	0.8495	5.5599	2.73E-04	0.005	0.76	-1.285	none
MFSD14C	0.941	0.8223	5.5595	2.73E-04	0.005	0.76	-1.5033	none
GGA1	0.795	0.6709	5.5586	2.74E-04	0.005	0.76	-1.5521	OA-related
GTPBP2	1.128	0.8998	5.557	2.74E-04	0.005	0.75	-1.1032	none
C8ORF86	0.798	0.621	5.5568	2.74E-04	0.005	0.75	-1.2726	none
NEK9	0.738	0.5951	5.5556	2.75E-04	0.005	0.75	-1.2935	none
RUBCN	1.31	1.1494	5.5551	2.75E-04	0.005	0.75	-1.1965	none
OR7C1	0.58	0.4459	5.5541	2.76E-04	0.005	0.75	-1.4625	none
ZPR1	0.67	0.5368	5.5528	2.76E-04	0.005	0.75	-1.3823	none
MAEL	0.661	0.4677	5.5524	2.76E-04	0.005	0.75	-1.4485	none
IQCF3	0.729	0.6414	5.5524	2.76E-04	0.005	0.75	0.46327	none
WFDC1	0.664	0.5226	5.5521	2.76E-04	0.005	0.75	-1.4764	none
CATSPERG	0.923	0.7031	5.5509	2.77E-04	0.005	0.75	-1.1993	none
FKBP6	0.793	0.6018	5.5494	2.77E-04	0.005	0.74	-1.3782	none
PLA2G6	1.178	0.9817	5.5462	2.78E-04	0.005	0.74	-1.0128	none
C6ORF132	0.991	0.7571	5.5443	2.79E-04	0.005	0.74	-1.3625	none
SIGLEC6	0.564	0.4477	5.5435	2.80E-04	0.005	0.74	-1.4175	none
TRIP4	0.99	0.7663	5.5434	2.80E-04	0.005	0.74	-1.0387	none
NT5DC3	0.738	0.6268	5.5421	2.80E-04	0.005	0.73	-1.5534	OA-related
FAM153C	0.776	0.559	5.5418	2.80E-04	0.005	0.73	-1.1305	none
KCNE4	0.937	0.7236	5.5396	2.81E-04	0.005	0.73	-1.2698	none
VMAC	0.799	0.6187	5.5368	2.82E-04	0.005	0.73	-1.3246	none
TACC2	0.672	0.4686	5.5367	2.82E-04	0.005	0.73	-1.2972	none
ARIH1	1.04	0.787	5.5367	2.82E-04	0.005	0.73	-1.2281	none
MIER2	1.06	0.9221	5.5361	2.82E-04	0.005	0.73	-1.2998	none
KCTD6	0.66	0.429	5.5361	2.82E-04	0.005	0.73	-1.0366	none
RNF4	0.49	0.3606	5.5357	2.82E-04	0.005	0.72	-1.2391	none
ZNF563	0.483	0.3512	5.5353	2.83E-04	0.005	0.72	-0.9393	none

TMEM156	0.775	0.5711	5.5347	2.83E-04	0.005	0.72	-1.257	none
OPRD1	0.576	0.4116	5.5306	2.84E-04	0.005	0.72	-1.5261	none
ELF3	1.261	1.05	5.5267	2.86E-04	0.005	0.71	-1.381	none
ZNF490	0.872	0.7122	5.5253	2.87E-04	0.005	0.71	-1.3032	none
PPFIA1	1.432	1.3241	5.5237	2.87E-04	0.005	0.71	-1.2214	none
SLC51A	1.058	0.8914	5.5208	2.88E-04	0.005	0.7	-0.915	none
PPP1R27	0.638	0.4264	5.5205	2.88E-04	0.005	0.7	-0.9255	none
CCDC158	0.739	0.5169	5.5137	2.91E-04	0.005	0.7	-1.5629	OA-related
MED17	0.566	0.4118	5.5132	2.91E-04	0.005	0.69	-1.4757	none
TESMIN	1.138	0.8157	5.5113	2.92E-04	0.005	0.69	-1.461	none
KDM2A	1.153	1.03	5.5111	2.92E-04	0.005	0.69	-1.4369	none
FAM13A	0.626	0.5427	5.5103	2.92E-04	0.005	0.69	-0.9158	none
PKD2L2	1.212	1.0036	5.5102	2.92E-04	0.005	0.69	-1.2224	none
ALDH6A1	0.692	0.5297	5.5081	2.93E-04	0.005	0.69	-1.5778	OA-related
EPS15L1	0.931	0.8106	5.5064	2.94E-04	0.005	0.69	-1.2239	none
ZFAND3	1.001	0.8436	5.5064	2.94E-04	0.005	0.69	-1.1269	none
APOBEC3A	0.829	0.6518	5.5063	2.94E-04	0.005	0.69	-1.4302	none
C8ORF34	0.777	0.5878	5.5048	2.95E-04	0.005	0.68	-1.4136	none
NUP160	0.631	0.4671	5.504	2.95E-04	0.005	0.68	-1.4964	none
PAEP	0.937	0.7102	5.5022	2.96E-04	0.005	0.68	-1.1798	none
ZSCAN5A	0.92	0.7283	5.4995	2.97E-04	0.005	0.68	-1.5819	OA-related
ARNT	1.054	0.8933	5.4962	2.98E-04	0.005	0.67	-1.1071	none
NME6	0.531	0.358	5.4904	3.00E-04	0.005	0.66	-1.2983	none
LRRC37A3	1.175	1.0013	5.4883	3.01E-04	0.005	0.66	-1.043	none
DOCK7	0.871	0.6817	5.4876	3.02E-04	0.005	0.66	-1.1471	none
EMP2	0.639	0.4917	5.4875	3.02E-04	0.005	0.66	-1.5015	none
TANGO2	1.062	0.8478	5.4866	3.02E-04	0.005	0.66	-1.4343	none
PROSER3	0.887	0.7839	5.486	3.02E-04	0.005	0.66	-1.4001	none
IZUMO1	0.574	0.4144	5.4848	3.03E-04	0.005	0.66	-1.4265	none
MYO3B	0.556	0.3859	5.4835	3.03E-04	0.005	0.65	-1.3893	none
IGF2BP1	1.016	0.8548	5.4819	3.04E-04	0.005	0.65	-1.0436	none
RBSN	0.916	0.7232	5.4795	3.05E-04	0.005	0.65	-1.5407	OA-related
P4HTM	0.761	0.5883	5.4791	3.05E-04	0.005	0.65	-1.2491	none
SGK3	0.766	0.5745	5.4789	3.05E-04	0.005	0.65	-1.2292	none
ZNF483	0.724	0.496	5.4774	3.06E-04	0.005	0.65	-1.3699	none
AKR1B10	0.73	0.4994	5.4757	3.07E-04	0.005	0.64	-1.0954	none
CHD2	0.933	0.7123	5.4752	3.07E-04	0.005	0.64	-1.2912	none
ZNF81	1.092	0.9348	5.4728	3.08E-04	0.005	0.64	-1.2911	none
MBD5	0.592	0.4251	5.4696	3.09E-04	0.005	0.64	-1.1357	none
CDH8	0.64	0.4816	5.4694	3.09E-04	0.005	0.63	-1.4641	none

GNAL	0.722	0.5923	5.4693	3.09E-04	0.005	0.63	-1.5096	none
ZDHHC17	0.631	0.5169	5.4669	3.10E-04	0.005	0.63	-0.7815	none
PCBD2	0.798	0.6153	5.4668	3.10E-04	0.005	0.63	-1.4217	none
MAPK1IP1	0.625	0.4307	5.4657	3.11E-04	0.005	0.63	-1.2488	none
PGA3	0.726	0.5808	5.4642	3.11E-04	0.005	0.63	-1.1381	none
CCDC69	0.766	0.6034	5.4612	3.13E-04	0.005	0.62	-1.299	none
ZNF611	1.168	0.9709	5.461	3.13E-04	0.005	0.62	-1.2405	none
MED13	1.11	0.9019	5.4529	3.16E-04	0.006	0.61	-1.417	none
TTPAL	0.611	0.4995	5.4525	3.16E-04	0.006	0.61	-1.4902	none
ABCD4	0.558	0.4373	5.4514	3.17E-04	0.006	0.61	-1.5226	none
CNKSR1	0.921	0.6543	5.4492	3.18E-04	0.006	0.61	-0.9522	none
TMSB15B	0.629	0.4668	5.4489	3.18E-04	0.006	0.61	-0.8504	none
BRWD1	0.791	0.5935	5.4446	3.20E-04	0.006	0.6	-1.3759	none
PLPP7	0.575	0.4159	5.4413	3.21E-04	0.006	0.6	-1.2215	none
TCFL5	0.963	0.7963	5.4404	3.22E-04	0.006	0.6	-1.6076	OA-related
ANKS4B	0.492	0.3487	5.4401	3.22E-04	0.006	0.59	-1.5568	OA-related
EML2	0.713	0.6647	5.4385	3.23E-04	0.006	0.59	-0.7926	none
BCL2L14	0.638	0.4905	5.4375	3.23E-04	0.006	0.59	-1.2575	none
DNAH14	1.097	0.9846	5.4359	3.24E-04	0.006	0.59	-0.348	none
SCN1B	0.722	0.5501	5.4341	3.25E-04	0.006	0.59	-1.3605	none
GFRAL	0.69	0.4966	5.433	3.25E-04	0.006	0.59	-0.9633	none
ING5	0.906	0.7836	5.4302	3.26E-04	0.006	0.58	-1.4546	none
SLC2A13	0.684	0.4869	5.4299	3.26E-04	0.006	0.58	-0.838	none
ZNF891	0.71	0.5654	5.4288	3.27E-04	0.006	0.58	-1.517	none
METTL6	0.583	0.3747	5.4286	3.27E-04	0.006	0.58	-1.33	none
AL589743.	1.151	0.85	5.4271	3.28E-04	0.006	0.58	-1.1162	none
LIPC	0.712	0.5384	5.4254	3.28E-04	0.006	0.57	-1.0703	none
SLC13A5	0.753	0.5859	5.425	3.29E-04	0.006	0.57	-1.4901	none
SNX11	0.821	0.5665	5.424	3.29E-04	0.006	0.57	-1.3565	none
MACC1	0.889	0.6319	5.423	3.30E-04	0.006	0.57	-1.09	none
BMP1	0.967	0.8205	5.423	3.30E-04	0.006	0.57	-1.4622	none
IDH3A	0.472	0.2626	5.4226	3.30E-04	0.006	0.57	-0.7793	none
FAT1	1.017	0.845	5.4215	3.30E-04	0.006	0.57	-0.54	none
RUFY3	0.903	0.7732	5.42	3.31E-04	0.006	0.57	-1.1305	none
NANOG	0.61	0.4744	5.417	3.32E-04	0.006	0.56	-1.2151	none
SAG	0.692	0.5003	5.4168	3.32E-04	0.006	0.56	-1.5169	none
NPLOC4	0.642	0.4767	5.4165	3.33E-04	0.006	0.56	-1.4287	none
BEST1	0.695	0.5109	5.4128	3.34E-04	0.006	0.56	-1.2944	none
ZNF714	0.896	0.7375	5.4121	3.35E-04	0.006	0.56	-1.6662	OA-related
C2CD3	1.041	0.9415	5.4103	3.35E-04	0.006	0.55	-1.2527	none

HNF1A	0.482	0.3806	5.409	3.36E-04	0.006	0.55	-0.7203	none
LRRC57	0.77	0.6263	5.4084	3.36E-04	0.006	0.55	-1.5308	none
IL18	0.726	0.6189	5.4083	3.36E-04	0.006	0.55	-0.4811	none
OR3A3	0.529	0.3967	5.408	3.36E-04	0.006	0.55	-1.529	none
NUPR1	0.814	0.6281	5.4058	3.37E-04	0.006	0.55	-1.5191	none
SSH2	0.68	0.5298	5.4046	3.38E-04	0.006	0.55	-1.5324	OA-related
GPLD1	0.929	0.7693	5.4038	3.38E-04	0.006	0.55	-1.1501	none
C2ORF88	0.625	0.4635	5.4038	3.38E-04	0.006	0.54	-0.6578	none
PRKCZ	0.915	0.7828	5.4034	3.39E-04	0.006	0.54	-1.0177	none
ZWILCH	0.764	0.5196	5.4018	3.39E-04	0.006	0.54	-1.033	none
CCDC27	0.673	0.5109	5.3992	3.41E-04	0.006	0.54	-1.427	none
SRGAP3	0.751	0.601	5.3956	3.42E-04	0.006	0.53	-1.4239	none
NDST1	0.917	0.7954	5.394	3.43E-04	0.006	0.53	-1.2988	none
CSTL1	1.278	1.0664	5.3932	3.43E-04	0.006	0.53	-0.6395	none
MNT	1.025	0.9168	5.3921	3.44E-04	0.006	0.53	-0.974	none
DNAJC22	0.674	0.4921	5.3898	3.45E-04	0.006	0.53	-1.3143	none
HEATR6	1.081	0.8793	5.3884	3.46E-04	0.006	0.52	-1.5534	OA-related
CDKL5	0.744	0.5796	5.3876	3.46E-04	0.006	0.52	-1.4973	none
PIF1	0.837	0.7071	5.3876	3.46E-04	0.006	0.52	-1.2197	none
KLHDC10	1.359	1.1382	5.387	3.46E-04	0.006	0.52	-0.6061	none
CHFR	0.831	0.6801	5.3854	3.47E-04	0.006	0.52	-1.484	none
SLC35E1	0.912	0.7864	5.3843	3.48E-04	0.006	0.52	-1.1719	none
MANSC1	0.537	0.3851	5.3825	3.49E-04	0.006	0.52	-1.5696	OA-related
MXRA7	0.666	0.41	5.3824	3.49E-04	0.006	0.52	-1.221	none
VWA2	0.648	0.486	5.3823	3.49E-04	0.006	0.52	-1.5221	none
RBFOX3	0.705	0.5686	5.3821	3.49E-04	0.006	0.52	-1.4335	none
FEZ1	0.964	0.7893	5.3817	3.49E-04	0.006	0.51	-1.3266	none
ARGFX	0.703	0.5362	5.3797	3.50E-04	0.006	0.51	-1.6092	OA-related
COL1A1	1.002	0.7216	5.3797	3.50E-04	0.006	0.51	-1.1237	none
P2RX5-TA)	0.679	0.5293	5.3786	3.50E-04	0.006	0.51	-1.5793	OA-related
DHTKD1	0.832	0.7065	5.3766	3.51E-04	0.006	0.51	-0.8344	none
IDO2	0.635	0.4546	5.3756	3.52E-04	0.006	0.51	-1.5105	none
IRF9	0.596	0.4391	5.3714	3.54E-04	0.006	0.5	-1.1007	none
CCPG1	1.136	0.957	5.3713	3.54E-04	0.006	0.5	-1.161	none
ALPP	0.508	0.3985	5.3706	3.54E-04	0.006	0.5	-0.5727	none
MIGA1	0.647	0.4848	5.3674	3.56E-04	0.006	0.49	-1.4479	none
PAQR7	0.608	0.4569	5.3652	3.57E-04	0.006	0.49	-1.4952	none
PLXDC1	0.863	0.6622	5.3643	3.57E-04	0.006	0.49	-0.8094	none
PLPP2	0.718	0.5279	5.3637	3.58E-04	0.006	0.49	-1.4533	none
EOGT	0.673	0.5472	5.3636	3.58E-04	0.006	0.49	-0.5667	none

PRKAB1	0.578	0.46	5.3619	3.59E-04	0.006	0.49	-1.3913	none
14-Sep	1.019	0.7642	5.361	3.59E-04	0.006	0.49	-1.1425	none
RHBG	0.842	0.6657	5.3604	3.59E-04	0.006	0.49	-1.3882	none
PCDH11Y	0.47	0.3438	5.3603	3.59E-04	0.006	0.49	-1.3884	none
TRIM58	0.586	0.4201	5.3596	3.60E-04	0.006	0.48	-1.5862	OA-related
SLC7A7	1.222	0.9944	5.3593	3.60E-04	0.006	0.48	-1.1648	none
HKR1	1.004	0.8503	5.358	3.61E-04	0.006	0.48	-1.535	OA-related
CABYR	1.024	0.8202	5.3536	3.63E-04	0.006	0.48	-1.0482	none
ATP9B	0.802	0.7224	5.3536	3.63E-04	0.006	0.48	-1.1766	none
TBX6	0.715	0.5276	5.352	3.64E-04	0.006	0.47	-1.4699	none
KIRREL3	0.752	0.5515	5.3517	3.64E-04	0.006	0.47	-1.2694	none
ERBB2	1.305	1.005	5.3512	3.64E-04	0.006	0.47	-1.3338	none
TRPV3	0.624	0.5198	5.3507	3.64E-04	0.006	0.47	-1.4994	none
CD34	0.553	0.4056	5.3505	3.64E-04	0.006	0.47	-1.4653	none
ANGPT2	0.725	0.5578	5.3497	3.65E-04	0.006	0.47	-1.4994	none
TCTN1	0.638	0.4819	5.348	3.66E-04	0.006	0.47	-1.0925	none
CPT1B	0.779	0.75	5.3447	3.67E-04	0.006	0.46	-0.1266	none
IFT20	0.682	0.4587	5.3399	3.70E-04	0.006	0.46	-1.0988	none
ATP8B3	0.663	0.5043	5.3398	3.70E-04	0.006	0.46	-0.8703	none
SLC4A8	0.936	0.6679	5.3393	3.70E-04	0.006	0.46	-1.2722	none
EMCN	0.82	0.6895	5.3392	3.70E-04	0.006	0.46	-0.9119	none
RELN	0.965	0.6761	5.332	3.74E-04	0.006	0.45	-1.2532	none
SIPA1L3	1.317	1.1995	5.3307	3.74E-04	0.006	0.44	-1.4183	none
NRBP1	0.695	0.4904	5.3288	3.75E-04	0.006	0.44	-1.4094	none
GGT5	0.615	0.4777	5.3276	3.76E-04	0.006	0.44	-0.9369	none
SLC1A4	0.731	0.5499	5.3245	3.78E-04	0.006	0.44	-1.3279	none
HACD2	0.796	0.568	5.3239	3.78E-04	0.006	0.43	-0.9403	none
DDX25	0.736	0.5394	5.3231	3.78E-04	0.006	0.43	-1.2619	none
TYW5	0.483	0.3511	5.3212	3.79E-04	0.006	0.43	-1.4314	none
ACSL6	0.728	0.571	5.3208	3.80E-04	0.006	0.43	-1.5685	OA-related
ETS1	0.868	0.7174	5.3199	3.80E-04	0.006	0.43	-1.46	none
GOLM1	1.162	1.0401	5.3195	3.80E-04	0.006	0.43	-0.992	none
PSPH	0.828	0.5947	5.318	3.81E-04	0.006	0.43	-1.28	none
DDHD1	1.128	0.9453	5.315	3.83E-04	0.006	0.42	-1.5848	OA-related
PDLIM3	0.756	0.6112	5.3149	3.83E-04	0.006	0.42	-1.5037	none
PSPN	0.67	0.5569	5.3141	3.83E-04	0.006	0.42	-1.6061	OA-related
LGALS4	0.535	0.3531	5.3104	3.85E-04	0.006	0.42	-1.3168	none
ALDOB	0.653	0.514	5.3098	3.85E-04	0.006	0.42	-1.0999	none
ARMC9	0.8	0.6161	5.3094	3.86E-04	0.006	0.41	-1.0924	none
SGIP1	0.623	0.4253	5.3092	3.86E-04	0.006	0.41	0.44284	none

TRMT12	0.765	0.5542	5.308	3.86E-04	0.006	0.41	-0.2928	none
ZNF382	0.959	0.8212	5.308	3.86E-04	0.006	0.41	-1.2958	none
ZNF667	0.648	0.5239	5.3073	3.87E-04	0.006	0.41	-1.4806	none
RBMS2	1.017	0.8099	5.3065	3.87E-04	0.006	0.41	-1.0379	none
ENTPD1	0.765	0.5799	5.3034	3.89E-04	0.006	0.41	-1.1545	none
AK1	0.648	0.5923	5.3022	3.90E-04	0.006	0.4	-0.3204	none
NDEL1	0.639	0.5017	5.3016	3.90E-04	0.006	0.4	-1.0586	none
TTC19	0.832	0.6731	5.2991	3.91E-04	0.006	0.4	-1.1982	none
RHOBTB3	0.574	0.4246	5.2958	3.93E-04	0.006	0.4	-0.3489	none
MTBP	0.772	0.593	5.2933	3.94E-04	0.006	0.39	-1.414	none
CCDC88A	0.93	0.7614	5.2889	3.97E-04	0.006	0.39	-1.2016	none
IFT74	1.106	0.9501	5.2848	3.99E-04	0.006	0.38	-1.481	none
SLC25A30	0.687	0.4439	5.2831	4.00E-04	0.006	0.38	-1.0697	none
CHEK2	0.635	0.4003	5.2826	4.00E-04	0.006	0.38	-1.0337	none
SLC38A6	0.889	0.6562	5.2819	4.01E-04	0.006	0.38	-0.7817	none
QPRT	0.713	0.5482	5.2807	4.01E-04	0.006	0.37	-1.6385	OA-related
MOAP1	0.524	0.3884	5.2747	4.05E-04	0.006	0.37	-0.8285	none
LRTOMT	1.015	0.8266	5.2701	4.07E-04	0.006	0.36	-0.7502	none
TMEM191	0.75	0.5195	5.2701	4.07E-04	0.006	0.36	-1.3387	none
CHI3L1	0.511	0.407	5.2698	4.08E-04	0.006	0.36	-1.3726	none
TRMT2B	0.538	0.4141	5.2689	4.08E-04	0.006	0.36	-1.2727	none
PKD1L1	0.676	0.5025	5.2657	4.10E-04	0.006	0.35	-1.6526	OA-related
CHMP4C	0.851	0.6804	5.2656	4.10E-04	0.006	0.35	-1.3923	none
XRRA1	1.057	0.9049	5.2654	4.10E-04	0.006	0.35	-1.2552	none
RNF222	0.609	0.4459	5.2645	4.11E-04	0.006	0.35	-1.4003	none
ARL9	0.63	0.4636	5.2633	4.11E-04	0.006	0.35	-1.5268	none
TLR5	1.049	0.808	5.2607	4.13E-04	0.006	0.35	-0.963	none
CYP4B1	1.074	0.8649	5.2567	4.15E-04	0.006	0.34	-1.3867	none
VSIG10	0.945	0.6805	5.2557	4.16E-04	0.006	0.34	-1.3157	none
VTI1A	0.771	0.5334	5.2553	4.16E-04	0.006	0.34	-1.333	none
RBMS1	0.818	0.6759	5.2531	4.17E-04	0.006	0.34	-1.2031	none
C19ORF54	0.618	0.5574	5.2467	4.21E-04	0.006	0.33	-1.3309	none
NPHP1	0.746	0.607	5.2446	4.22E-04	0.006	0.32	-1.2939	none
LPCAT3	0.72	0.5372	5.2445	4.22E-04	0.006	0.32	-0.898	none
ARHGEF1C	0.657	0.5039	5.2442	4.23E-04	0.006	0.32	-1.4499	none
CETP	0.625	0.5283	5.2433	4.23E-04	0.006	0.32	-1.2769	none
OR2A25	0.833	0.5935	5.2431	4.23E-04	0.006	0.32	-1.1399	none
FADS1	0.789	0.6961	5.2428	4.23E-04	0.006	0.32	-0.6932	none
BLMH	0.823	0.6413	5.2421	4.24E-04	0.006	0.32	-1.3717	none
CACNB2	0.682	0.5101	5.2397	4.25E-04	0.006	0.32	-1.1453	none

EXOSC6	0.779	0.597	5.2396	4.25E-04	0.006	0.32	-1.6636	OA-related
ANXA13	0.623	0.4431	5.2355	4.28E-04	0.006	0.31	-1.5062	none
SPIN3	0.653	0.5219	5.2348	4.28E-04	0.006	0.31	-1.4735	none
MEIOC	0.814	0.6729	5.2326	0.00043	0.006	0.31	-1.4758	none
LDLR	1.061	1.0148	5.2319	4.30E-04	0.006	0.31	-1.2113	none
ARFGAP2	0.623	0.4711	5.2294	4.31E-04	0.006	0.3	-1.2369	none
DNASE1	0.941	0.8348	5.2291	4.32E-04	0.006	0.3	-1.2879	none
TRAPPC8	1.184	1.0341	5.2291	4.32E-04	0.006	0.3	-1.3002	none
LRRC34	0.689	0.5252	5.229	4.32E-04	0.006	0.3	-1.1954	none
PRELP	0.517	0.4056	5.229	4.32E-04	0.006	0.3	-1.6521	OA-related
AGBL4	0.506	0.3776	5.2264	4.33E-04	0.006	0.3	-1.3412	none
CRX	0.708	0.5156	5.225	4.34E-04	0.006	0.3	-1.5057	none
BEST2	1.112	0.8668	5.2214	4.36E-04	0.007	0.29	-1.4229	none
PTPN3	0.892	0.6933	5.2207	4.37E-04	0.007	0.29	-1.4831	none
SYTL2	0.908	0.6771	5.2204	4.37E-04	0.007	0.29	-1.1067	none
ATXN3	0.845	0.6632	5.2201	4.37E-04	0.007	0.29	-1.4956	none
ISPD	0.814	0.6529	5.2197	4.37E-04	0.007	0.29	-1.2943	none
BCL11A	0.483	0.334	5.2195	4.37E-04	0.007	0.29	-1.577	OA-related
ARSK	0.863	0.6649	5.2168	4.39E-04	0.007	0.29	-1.2771	none
STPG1	0.754	0.6159	5.2166	4.39E-04	0.007	0.29	-1.3377	none
PODN	0.738	0.5527	5.2153	4.40E-04	0.007	0.28	-1.0514	none
BOD1L1	1.062	0.9784	5.2092	4.44E-04	0.007	0.27	-1.3298	none
TLL2	0.789	0.6053	5.2059	4.46E-04	0.007	0.27	-0.9487	none
ZNF154	0.657	0.4939	5.205	4.46E-04	0.007	0.27	-1.4966	none
SLC2A5	0.546	0.4241	5.2048	4.47E-04	0.007	0.27	-1.2132	none
C4ORF19	1.023	0.8276	5.2044	4.47E-04	0.007	0.27	-1.2565	none
SEC14L3	0.442	0.3238	5.2024	4.48E-04	0.007	0.27	-1.3412	none
SZT2	0.736	0.6329	5.2011	4.49E-04	0.007	0.26	-1.4688	none
GVQW2	1.916	1.5815	5.2001	4.50E-04	0.007	0.26	-0.8564	none
PBX3	0.62	0.4461	5.1991	4.50E-04	0.007	0.26	-0.6384	none
ASB3	0.499	0.3187	5.199	4.50E-04	0.007	0.26	-1.3399	none
CCDC157	0.583	0.4037	5.1987	4.50E-04	0.007	0.26	-1.3567	none
ATP1B2	0.51	0.443	5.1986	4.50E-04	0.007	0.26	-0.038	none
PUS3	0.67	0.5257	5.1981	4.51E-04	0.007	0.26	-0.9749	none
CCDC57	0.909	0.6515	5.1977	4.51E-04	0.007	0.26	-0.9726	none
PDE6A	0.633	0.4682	5.1968	4.52E-04	0.007	0.26	-1.4172	none
NAV2	1.339	1.0086	5.1958	4.52E-04	0.007	0.26	-1.0616	none
ARHGEF12	0.771	0.5639	5.1952	4.53E-04	0.007	0.25	-1.0309	none
ZNF431	1.112	0.9077	5.1945	4.53E-04	0.007	0.25	-1.3122	none
LRCH3	1.022	0.8971	5.1943	4.53E-04	0.007	0.25	-1.406	none



PUS1	0.675	0.5775	5.1915	4.55E-04	0.007	0.25	-1.5373	OA-related
SVOP	0.588	0.4452	5.1907	4.55E-04	0.007	0.25	-1.1886	none
NAA16	0.922	0.8142	5.1878	4.57E-04	0.007	0.24	-0.9027	none
ARHGAP28	0.693	0.5092	5.1869	4.58E-04	0.007	0.24	-1.404	none
SLC38A3	1.259	0.9267	5.1868	4.58E-04	0.007	0.24	-0.0073	none
C2ORF74	0.628	0.5026	5.1859	4.59E-04	0.007	0.24	-1.2029	none
NCKAP5L	0.866	0.7162	5.1844	4.60E-04	0.007	0.24	-1.3634	none
ENO3	0.964	0.8884	5.1832	4.60E-04	0.007	0.24	-0.9771	none
SLC6A1	0.825	0.6041	5.1807	4.62E-04	0.007	0.23	-1.3183	none
HSD17B2	0.449	0.3109	5.18	4.62E-04	0.007	0.23	-0.8006	none
TMEM120	0.834	0.5851	5.1791	4.63E-04	0.007	0.23	-1.1676	none
CARS2	0.698	0.5803	5.1788	4.63E-04	0.007	0.23	-1.3749	none
STARD10	0.874	0.6512	5.178	4.64E-04	0.007	0.23	-1.2549	none
HOPX	0.731	0.5162	5.1772	4.64E-04	0.007	0.23	-1.2298	none
RPS6KA3	0.788	0.6392	5.1736	4.67E-04	0.007	0.22	-1.5114	none
TMUB2	0.66	0.4559	5.1724	4.67E-04	0.007	0.22	-1.2427	none
OR2M4	0.531	0.3799	5.1723	4.68E-04	0.007	0.22	-1.3593	none
PIWIL3	0.642	0.459	5.1714	4.68E-04	0.007	0.22	-1.2994	none
ARSG	0.819	0.6235	5.1684	4.70E-04	0.007	0.22	-1.0295	none
MORN3	0.738	0.5261	5.1658	4.72E-04	0.007	0.21	-1.5389	OA-related
CD200	0.695	0.5125	5.1638	4.73E-04	0.007	0.21	-1.4153	none
CABP4	0.979	0.7524	5.1605	4.75E-04	0.007	0.21	-1.4452	none
AKT2	0.646	0.5513	5.1588	4.77E-04	0.007	0.2	-0.9463	none
VWCE	0.818	0.6594	5.1584	4.77E-04	0.007	0.2	-1.6472	OA-related
OLFML2A	0.507	0.359	5.1582	4.77E-04	0.007	0.2	-1.4756	none
NUMA1	1.116	1.0442	5.158	4.77E-04	0.007	0.2	-0.9338	none
STEAP4	0.833	0.5963	5.1554	4.79E-04	0.007	0.2	-1.3944	none
KYNU	0.471	0.3501	5.1533	4.80E-04	0.007	0.2	-1.5247	none
GRIK2	0.691	0.518	5.152	4.81E-04	0.007	0.19	-1.3121	none
PPP2CB	0.962	0.778	5.1511	4.82E-04	0.007	0.19	-1.0657	none
PCDHA9	0.531	0.3894	5.1509	4.82E-04	0.007	0.19	-1.6026	OA-related
FCHO1	0.874	0.77	5.1508	4.82E-04	0.007	0.19	-1.1352	none
HNMT	0.994	0.746	5.1499	4.83E-04	0.007	0.19	-1.0997	none
C1ORF158	0.518	0.3672	5.1477	4.84E-04	0.007	0.19	-1.0977	none
GLS	0.595	0.4919	5.147	4.85E-04	0.007	0.19	-1.1171	none
NMNAT3	0.692	0.5124	5.1444	4.86E-04	0.007	0.18	-1.2065	none
DBT	0.732	0.633	5.1443	4.86E-04	0.007	0.18	-1.4493	none
SLCO2B1	0.733	0.6294	5.1415	4.88E-04	0.007	0.18	-0.8908	none
DUSP18	0.66	0.5815	5.1356	4.92E-04	0.007	0.17	-1.1913	none
TMEM45B	0.579	0.3989	5.1351	4.93E-04	0.007	0.17	-1.2074	none

PACRG	1.221	0.9947	5.1329	4.94E-04	0.007	0.17	-0.8942	none
DAPL1	0.698	0.5393	5.1328	4.94E-04	0.007	0.17	0.0721	none
SCNN1A	0.805	0.619	5.1327	4.94E-04	0.007	0.17	-1.0906	none
GPT2	0.733	0.5721	5.132	4.95E-04	0.007	0.17	-1.4535	none
ZNF136	0.965	0.7404	5.1299	4.96E-04	0.007	0.16	-1.2038	none
KMT2D	1.306	1.2134	5.1298	4.96E-04	0.007	0.16	-1.3647	none
ZNF333	0.708	0.5759	5.1239	5.01E-04	0.007	0.15	-1.5126	none
DDX51	0.868	0.7886	5.1216	5.02E-04	0.007	0.15	-1.567	OA-related
TCTN2	0.588	0.4134	5.1184	5.05E-04	0.007	0.15	-1.5491	OA-related
PLCXD1	0.811	0.6681	5.1174	5.05E-04	0.007	0.15	-1.2765	none
OR8A1	0.508	0.3779	5.1171	5.06E-04	0.007	0.14	-1.3687	none
BMP8A	0.59	0.4569	5.1168	5.06E-04	0.007	0.14	-1.4075	none
DPY19L3	0.898	0.7618	5.1166	5.06E-04	0.007	0.14	-1.4292	none
ZNF557	0.677	0.544	5.1161	5.06E-04	0.007	0.14	-1.6608	OA-related
LRRN4CL	0.646	0.4848	5.1139	5.08E-04	0.007	0.14	-1.4537	none
DGKH	0.9	0.7986	5.1136	5.08E-04	0.007	0.14	-1.6416	OA-related
TRIM73	0.824	0.6893	5.1135	5.08E-04	0.007	0.14	-1.2763	none
ABHD12B	1.027	0.8885	5.113	5.08E-04	0.007	0.14	-0.8366	none
BCL2L11	0.643	0.474	5.1128	5.09E-04	0.007	0.14	-0.7219	none
DSG2	0.537	0.386	5.1111	5.10E-04	0.007	0.14	-1.5621	OA-related
NALCN	0.932	0.6882	5.11	5.11E-04	0.007	0.13	-1.3345	none
MAP4K1	0.632	0.5229	5.1094	5.11E-04	0.007	0.13	-1.4515	none
COPB2	0.582	0.4331	5.1092	5.11E-04	0.007	0.13	-0.9857	none
C3	1.122	0.8748	5.1079	5.12E-04	0.007	0.13	-1.2749	none
EFCAB7	0.76	0.5659	5.1065	5.13E-04	0.007	0.13	-0.6634	none
ST3GAL2	0.843	0.7182	5.1064	5.13E-04	0.007	0.13	-1.3989	none
AC019206	1.011	0.7499	5.1045	5.15E-04	0.007	0.13	-0.6609	none
TBC1D12	0.631	0.476	5.1012	5.17E-04	0.007	0.12	-0.879	none
CBX7	0.539	0.4434	5.0984	5.19E-04	0.007	0.12	-1.4028	none
MALL	0.6	0.4562	5.0977	5.20E-04	0.007	0.12	-1.0828	none
EPS8	0.95	0.8165	5.0974	5.20E-04	0.007	0.12	-1.1539	none
APCDD1	0.851	0.608	5.0942	5.22E-04	0.007	0.11	-1.4981	none
FGFR4	0.717	0.577	5.0935	5.23E-04	0.007	0.11	-1.147	none
ABCB5	0.588	0.4247	5.0928	5.23E-04	0.007	0.11	-1.3552	none
OCLN	0.466	0.3695	5.0915	5.24E-04	0.007	0.11	-1.2839	none
TPD52L1	0.638	0.4201	5.0908	5.25E-04	0.007	0.11	-1.4204	none
CYP2C19	0.558	0.4146	5.0884	5.27E-04	0.007	0.1	-1.2954	none
C2ORF50	0.479	0.3727	5.0864	5.28E-04	0.007	0.1	-1.3408	none
BTBD19	0.829	0.6709	5.0826	5.31E-04	0.007	0.1	-1.5352	OA-related
SLC29A4	0.681	0.5048	5.0821	5.31E-04	0.007	0.09	-1.396	none

PQLC2	0.624	0.5092	5.0795	5.33E-04	0.007	0.09	-0.2378	none
ROBO1	0.647	0.4933	5.079	5.34E-04	0.007	0.09	-1.2213	none
RTBDN	0.605	0.4767	5.079	5.34E-04	0.007	0.09	-0.033	none
TNRC6A	1.034	0.995	5.0782	5.34E-04	0.007	0.09	-1.2199	none
ADGRE2	0.623	0.4946	5.0761	5.36E-04	0.007	0.09	-1.1862	none
SLC25A33	0.621	0.4529	5.073	5.38E-04	0.007	0.08	-1.1774	none
GGCX	0.986	0.7003	5.0697	5.41E-04	0.007	0.08	-1.3514	none
MAB21L3	0.511	0.428	5.0683	5.42E-04	0.007	0.08	-1.2016	none
PCYOX1	0.71	0.5814	5.0681	5.42E-04	0.007	0.07	-1.3086	none
SYCP3	0.684	0.4929	5.0651	5.44E-04	0.007	0.07	-1.4869	none
NOCT	0.945	0.8316	5.0641	5.45E-04	0.007	0.07	-1.5446	OA-related
ZNF814	0.798	0.6165	5.0613	5.47E-04	0.007	0.07	-1.1017	none
ORC4	0.62	0.4185	5.0575	5.50E-04	0.007	0.06	-1.2391	none
GDPGP1	0.998	0.7704	5.0568	5.51E-04	0.007	0.06	-1.5492	OA-related
KCNE3	0.603	0.4808	5.0548	5.52E-04	0.007	0.06	-1.2704	none
MORC4	0.885	0.8046	5.0516	5.55E-04	0.007	0.05	-1.3962	none
ANKRD54	0.613	0.5074	5.0514	5.55E-04	0.007	0.05	-1.2905	none
PIGR	0.847	0.6893	5.051	5.55E-04	0.007	0.05	-0.9774	none
RBFOX1	0.696	0.5424	5.0484	5.58E-04	0.007	0.05	-1.4512	none
DHR SX	0.681	0.4413	5.0471	5.59E-04	0.008	0.04	-0.8953	none
INTU	0.521	0.4149	5.0465	5.59E-04	0.008	0.04	-1.3896	none
HAP1	0.586	0.4196	5.0442	5.61E-04	0.008	0.04	-1.6227	OA-related
WIP1	0.714	0.5173	5.0438	5.61E-04	0.008	0.04	-1.3671	none
HERC4	0.713	0.5467	5.0431	5.62E-04	0.008	0.04	-1.342	none
FER	0.684	0.5946	5.0418	5.63E-04	0.008	0.04	-1.204	none
EXPH5	0.547	0.385	5.0406	5.64E-04	0.008	0.04	-1.4937	none
PLL P	0.673	0.5447	5.0402	5.64E-04	0.008	0.04	-1.3821	none
COX18	0.776	0.6292	5.0388	5.65E-04	0.008	0.03	-1.0049	none
TNNT1	0.957	0.7653	5.0384	5.66E-04	0.008	0.03	-0.97	none
ZNF83	0.979	0.8118	5.0373	5.66E-04	0.008	0.03	-1.4116	none
ENPP1	0.639	0.4569	5.0369	5.67E-04	0.008	0.03	-1.3211	none
NOS1	0.611	0.4846	5.0362	5.67E-04	0.008	0.03	-1.3287	none
ZNF660	0.438	0.3299	5.035	5.68E-04	0.008	0.03	-1.4298	none
CDC42BPC	0.643	0.5109	5.0338	5.69E-04	0.008	0.03	-1.0507	none
ACOT2	0.564	0.3345	5.0312	5.71E-04	0.008	0.02	-1.1194	none
IFT88	0.773	0.6308	5.0296	5.73E-04	0.008	0.02	-0.9284	none
OR10K1	0.454	0.3426	5.0272	5.75E-04	0.008	0.02	-0.8692	none
C1RL	0.952	0.8286	5.0265	5.75E-04	0.008	0.02	-1.4152	none
IGSF6	0.84	0.7137	5.0254	5.76E-04	0.008	0.01	-1.3824	none
SPTB	0.682	0.5661	5.0252	5.76E-04	0.008	0.01	-1.1968	none

ZNF789	0.749	0.5703	5.0247	5.77E-04	0.008	0.01	-1.3147	none
YBX3	1.006	0.8909	5.0241	5.77E-04	0.008	0.01	-1.3964	none
CCBE1	0.569	0.381	5.0206	5.80E-04	0.008	0.01	-1.0427	none
SBSPON	0.571	0.443	5.0197	5.81E-04	0.008	0.01	-1.2461	none
DCAF17	0.903	0.6685	5.0188	5.82E-04	0.008	0	-1.137	none
CFAP221	0.599	0.4931	5.0179	5.82E-04	0.008	0	-0.9849	none
SLC3A1	0.83	0.6176	5.0178	5.82E-04	0.008	0	-1.4872	none
FILIP1L	0.95	0.8309	5.0176	5.83E-04	0.008	0	-0.9919	none
TRIM5	0.87	0.6567	5.0175	5.83E-04	0.008	0	-0.8844	none
NEIL1	0.771	0.6056	5.0174	5.83E-04	0.008	0	-1.5045	none
KCNK3	0.542	0.4093	5.0167	5.83E-04	0.008	0	-1.449	none
COL1A2	0.526	0.3804	5.0158	5.84E-04	0.008	#####	-0.9916	none
SLC2A14	0.82	0.6325	5.0153	5.85E-04	0.008	#####	-1.2063	none
GLB1L	0.838	0.6407	5.0145	5.85E-04	0.008	-0	-0.7651	none
NPFFR1	0.527	0.3873	5.0136	5.86E-04	0.008	-0	-1.5775	OA-related
GCNT3	0.583	0.4224	5.0125	5.87E-04	0.008	-0	-1.3362	none
GABPB2	0.724	0.5932	5.0119	5.87E-04	0.008	-0.01	-1.4883	none
PIGBOS1	0.743	0.5573	5.0113	5.88E-04	0.008	-0.01	-1.0587	none
P3H1	0.827	0.674	5.0109	5.88E-04	0.008	-0.01	-1.1939	none
FAM180A	0.762	0.5459	5.0107	5.88E-04	0.008	-0.01	-1.2635	none
WDR26	0.754	0.6275	5.0075	5.91E-04	0.008	-0.01	-1.4547	none
SATL1	0.558	0.4266	5.0073	5.91E-04	0.008	-0.01	-1.1955	none
KIAA1328	0.692	0.5537	5.0071	5.92E-04	0.008	-0.01	-1.2425	none
SNX29	1.167	0.9433	5.0068	5.92E-04	0.008	-0.01	-1.356	none
CADPS	0.557	0.4132	5.0067	5.92E-04	0.008	-0.01	-1.3387	none
POU2F3	0.552	0.4382	5.0041	5.94E-04	0.008	-0.02	-1.4092	none
ZNF595	0.862	0.6895	5.0036	5.95E-04	0.008	-0.02	-1.3051	none
THEM4	0.657	0.5044	5.0026	5.95E-04	0.008	-0.02	-0.9282	none
APOBEC3F	0.531	0.4305	5.0002	5.97E-04	0.008	-0.02	-1.5061	none
CEP76	0.659	0.4837	4.9979	5.99E-04	0.008	-0.03	-1.0492	none
TMEM135	1.054	0.8241	4.9966	6.00E-04	0.008	-0.03	-0.9149	none
DMD	0.871	0.7154	4.9941	6.03E-04	0.008	-0.03	-1.3151	none
FRMD4B	1.174	1.0303	4.9918	6.05E-04	0.008	-0.03	-1.4167	none
AHDC1	1.021	0.9495	4.9873	6.09E-04	0.008	-0.04	-1.3551	none
TIE1	0.631	0.4799	4.9872	6.09E-04	0.008	-0.04	-1.1708	none
ABCC3	0.968	0.7302	4.9857	6.10E-04	0.008	-0.04	-1.5267	none
C1S	0.6	0.4889	4.9843	6.11E-04	0.008	-0.05	-1.4408	none
ANKS3	0.741	0.6111	4.9839	6.12E-04	0.008	-0.05	-1.4941	none
FAM9B	0.498	0.3404	4.9835	6.12E-04	0.008	-0.05	-1.3659	none
ZNF641	0.634	0.5196	4.9823	6.13E-04	0.008	-0.05	-0.5973	none

ANKLE1	0.536	0.434	4.9789	6.16E-04	0.008	-0.05	-0.7624	none
AFAP1L1	0.552	0.4091	4.978	6.17E-04	0.008	-0.05	-1.5576	OA-related
RHD	0.766	0.6192	4.9776	6.17E-04	0.008	-0.05	-1.5337	OA-related
LILRA2	0.68	0.5161	4.9776	6.17E-04	0.008	-0.05	-1.5988	OA-related
SIAE	0.575	0.4744	4.9769	6.18E-04	0.008	-0.06	-0.9552	none
SMIM5	0.469	0.3582	4.9759	6.19E-04	0.008	-0.06	-1.3243	none
ZNF662	0.561	0.3814	4.9759	6.19E-04	0.008	-0.06	-1.4049	none
VRK3	0.508	0.3672	4.9757	6.19E-04	0.008	-0.06	-1.3962	none
LIMK1	0.888	0.736	4.9737	6.21E-04	0.008	-0.06	-1.4345	none
PATJ	0.929	0.7895	4.9716	6.23E-04	0.008	-0.06	-1.4928	none
MTPAP	0.596	0.4975	4.9715	6.23E-04	0.008	-0.06	-1.2004	none
SLC35F5	0.745	0.5029	4.9715	6.23E-04	0.008	-0.06	-1.2127	none
STARD9	0.786	0.6162	4.9713	6.23E-04	0.008	-0.06	-1.2763	none
KAT8	0.767	0.6173	4.9703	6.24E-04	0.008	-0.07	-1.4386	none
SLC25A23	1.224	0.9857	4.9689	6.25E-04	0.008	-0.07	-1.0253	none
C15ORF40	0.831	0.6184	4.9667	6.27E-04	0.008	-0.07	-1.1492	none
ZNF7	0.784	0.6764	4.9667	6.27E-04	0.008	-0.07	-1.2297	none
VPS50	0.776	0.6428	4.9657	6.28E-04	0.008	-0.07	-1.0612	none
SLC30A8	1.15	0.953	4.9652	6.28E-04	0.008	-0.07	-0.5096	none
CEP19	0.7	0.5393	4.9626	6.31E-04	0.008	-0.08	-1.3126	none
AKAP10	0.794	0.6538	4.9614	6.32E-04	0.008	-0.08	-1.4537	none
CFLAR	0.52	0.3436	4.9612	6.32E-04	0.008	-0.08	-1.2252	none
PIIP5K2	0.877	0.7064	4.9599	6.33E-04	0.008	-0.08	-1.0995	none
MTFR1	0.998	0.8387	4.9591	6.34E-04	0.008	-0.08	-0.7788	none
PRR23C	0.546	0.3923	4.9581	6.35E-04	0.008	-0.08	-1.3362	none
HTRA4	0.58	0.4105	4.9536	6.39E-04	0.008	-0.09	-1.0777	none
SLC25A45	0.897	0.7218	4.9528	6.40E-04	0.008	-0.09	-1.4091	none
ZC3HAV1L	0.47	0.3604	4.9517	6.41E-04	0.008	-0.09	-0.7814	none
PCDHB11	0.675	0.4994	4.9506	6.42E-04	0.008	-0.09	-1.4688	none
NT5C3B	0.59	0.4369	4.9496	6.43E-04	0.008	-0.1	-0.9833	none
DSEL	0.429	0.3163	4.9492	6.43E-04	0.008	-0.1	-1.5623	OA-related
BARX2	0.543	0.395	4.9474	6.45E-04	0.008	-0.1	-1.4938	none
ZSCAN18	1.173	0.9925	4.9463	6.46E-04	0.008	-0.1	-0.6317	none
CLCC1	0.572	0.4808	4.9459	6.46E-04	0.008	-0.1	-1.4477	none
RALGPS2	0.659	0.4552	4.9453	6.47E-04	0.008	-0.1	-1.1826	none
TEPP	0.916	0.6653	4.9447	6.47E-04	0.008	-0.1	-1.3826	none
UBXN2A	0.763	0.6417	4.9436	6.48E-04	0.008	-0.1	-1.5344	OA-related
DIP2A	0.687	0.6044	4.943	6.49E-04	0.008	-0.1	-1.3801	none
EREG	0.738	0.5929	4.9424	6.49E-04	0.008	-0.11	-1.3824	none
KLHL24	0.645	0.4572	4.9402	6.51E-04	0.008	-0.11	-1.0931	none

CARF	0.608	0.4882	4.9401	6.51E-04	0.008	-0.11	-1.4878	none
SEC23B	0.514	0.3527	4.9385	6.53E-04	0.008	-0.11	-0.6292	none
CCDC122	0.513	0.3674	4.9378	6.54E-04	0.008	-0.11	-1.4921	none
CYP27C1	0.49	0.3496	4.9362	6.55E-04	0.008	-0.11	-1.4319	none
CENPV	0.735	0.5226	4.9356	6.56E-04	0.008	-0.12	-1.3434	none
ASB18	0.724	0.5777	4.9323	6.59E-04	0.008	-0.12	-1.3016	none
ZNF559	0.791	0.5997	4.9316	6.60E-04	0.008	-0.12	-1.1503	none
SETDB1	0.772	0.6349	4.9295	6.62E-04	0.008	-0.12	-1.5883	OA-related
TFR2	0.693	0.5416	4.9283	6.63E-04	0.008	-0.13	-0.9515	none
SAMD5	0.479	0.3734	4.928	6.63E-04	0.008	-0.13	-1.43	none
SLC22A25	0.477	0.3564	4.9278	6.63E-04	0.008	-0.13	-1.4663	none
PTGIS	0.657	0.5223	4.925	6.66E-04	0.008	-0.13	-1.5523	OA-related
CROCC	0.846	0.8223	4.9244	6.66E-04	0.008	-0.13	-0.3654	none
STK33	0.813	0.7014	4.9232	6.68E-04	0.008	-0.13	-1.1551	none
VWA7	0.497	0.3612	4.9215	6.69E-04	0.008	-0.14	-1.4601	none
COL9A1	0.684	0.4918	4.9209	6.70E-04	0.008	-0.14	-0.9888	none
CLVS1	0.65	0.4555	4.9208	6.70E-04	0.008	-0.14	-1.0611	none
AKAP5	0.709	0.5863	4.9194	6.71E-04	0.008	-0.14	-1.5368	OA-related
MEF2A	1.149	1.0034	4.9191	6.72E-04	0.008	-0.14	-1.0392	none
TBCE	0.644	0.4736	4.9189	6.72E-04	0.008	-0.14	-0.9708	none
SERPINB6	0.596	0.4278	4.9189	6.72E-04	0.008	-0.14	-1.3607	none
P2RX4	0.788	0.5924	4.9184	6.72E-04	0.008	-0.14	-1.3794	none
H6PD	0.717	0.6626	4.9159	6.75E-04	0.008	-0.14	-1.4761	none
GAREM1	1.007	0.7839	4.9158	6.75E-04	0.008	-0.14	-1.0115	none
YTHDF3	0.862	0.6922	4.9153	6.75E-04	0.008	-0.14	-1.1527	none
OR2AT4	0.412	0.3147	4.9152	6.75E-04	0.008	-0.14	-1.2082	none
MRPL48	0.592	0.4092	4.914	6.76E-04	0.008	-0.15	-1.3777	none
L2HGDH	0.515	0.4056	4.9132	6.77E-04	0.008	-0.15	-0.9943	none
KCNG4	0.496	0.3881	4.9125	6.78E-04	0.008	-0.15	-1.6206	OA-related
SSBP2	0.609	0.4679	4.9124	6.78E-04	0.008	-0.15	-1.142	none
ZNF135	0.644	0.4858	4.9116	6.79E-04	0.008	-0.15	-1.5008	none
WHAMM	0.872	0.7406	4.9113	6.79E-04	0.008	-0.15	-1.6278	OA-related
CDAN1	0.767	0.662	4.9108	6.80E-04	0.008	-0.15	-1.2591	none
SS18	0.71	0.5302	4.9107	6.80E-04	0.008	-0.15	-1.2243	none
ZFP14	0.575	0.4583	4.9101	6.80E-04	0.008	-0.15	-1.5732	OA-related
AGMAT	0.582	0.4517	4.9096	6.81E-04	0.008	-0.15	-0.935	none
SPICE1	0.836	0.78	4.908	6.82E-04	0.008	-0.16	-0.5515	none
OR10G4	0.538	0.3955	4.9077	6.83E-04	0.008	-0.16	-0.8245	none
DNASE1L3	0.619	0.4779	4.9072	6.83E-04	0.008	-0.16	-1.3504	none
CLK4	0.549	0.4245	4.907	6.83E-04	0.008	-0.16	-1.299	none

FGD5	0.714	0.5097	4.904	6.86E-04	0.008	-0.16	-1.525	none
THAP5	0.862	0.6952	4.9017	6.89E-04	0.008	-0.16	-1.3721	none
PALM	0.598	0.4189	4.9001	6.90E-04	0.008	-0.17	-1.4669	none
FAM177A:	0.76	0.5483	4.8991	6.91E-04	0.008	-0.17	-1.3414	none
SDE2	0.527	0.3527	4.8971	6.93E-04	0.008	-0.17	-1.321	none
PLEKHB2	0.925	0.675	4.8962	6.94E-04	0.008	-0.17	-1.2512	none
PTGR1	0.545	0.4328	4.8956	6.95E-04	0.008	-0.17	-1.3512	none
CDC73	0.564	0.4101	4.8943	6.96E-04	0.008	-0.18	-1.1867	none
NAIF1	0.643	0.4983	4.8927	6.98E-04	0.008	-0.18	-1.4102	none
PM20D2	0.595	0.453	4.8919	6.99E-04	0.008	-0.18	-0.8174	none
TNS4	0.72	0.573	4.8916	6.99E-04	0.008	-0.18	-1.4631	none
SPATA6L	0.752	0.5531	4.8908	7.00E-04	0.008	-0.18	-1.2044	none
ADAMTS1	0.493	0.3518	4.89	7.01E-04	0.008	-0.18	-1.5894	OA-related
APOE	1.159	0.8947	4.8889	7.02E-04	0.008	-0.18	-1.344	none
CYBRD1	0.97	0.714	4.8886	7.02E-04	0.008	-0.18	-0.8604	none
SPC24	0.619	0.4689	4.8873	7.03E-04	0.008	-0.19	-1.5259	none
GLMP	1.252	0.9145	4.8863	7.04E-04	0.008	-0.19	-1.1556	none
MSANTD1	0.656	0.4939	4.8835	7.07E-04	0.008	-0.19	-1.0389	none
ZNF354B	0.673	0.5217	4.8822	7.09E-04	0.008	-0.19	-0.5263	none
PLPP5	0.729	0.5193	4.8815	7.09E-04	0.008	-0.19	-0.7186	none
RSRP1	0.648	0.514	4.8795	7.11E-04	0.008	-0.2	-1.1619	none
CCDC9	1.031	0.8635	4.8787	7.12E-04	0.008	-0.2	-1.4591	none
SYTL1	0.584	0.4314	4.8769	7.14E-04	0.008	-0.2	-1.4733	none
SDSL	0.777	0.5818	4.8767	7.14E-04	0.008	-0.2	-1.5489	OA-related
SPRED3	0.603	0.5031	4.8766	7.14E-04	0.008	-0.2	-1.4041	none
PRRG4	0.692	0.5434	4.8757	7.15E-04	0.008	-0.2	-1.6108	OA-related
TNNT2	0.823	0.6743	4.8741	7.17E-04	0.009	-0.2	-1.3636	none
FCRL2	0.921	0.7079	4.873	7.18E-04	0.009	-0.21	-1.5131	none
TAF1L	0.416	0.2978	4.8729	7.18E-04	0.009	-0.21	-1.4587	none
PTPRS	0.684	0.5094	4.8725	7.19E-04	0.009	-0.21	-1.1077	none
DLG4	0.786	0.6353	4.8703	7.21E-04	0.009	-0.21	-1.3951	none
SYNJ2	0.771	0.6097	4.8699	7.21E-04	0.009	-0.21	-1.4004	none
ASH1L	0.937	0.8203	4.869	7.22E-04	0.009	-0.21	-1.0695	none
ASGR1	1.049	0.8077	4.868	7.23E-04	0.009	-0.21	-1.1304	none
SLC30A4	0.591	0.4777	4.8659	7.26E-04	0.009	-0.22	-1.3835	none
CRLF2	0.621	0.4223	4.8622	7.29E-04	0.009	-0.22	-1.4724	none
GABRG2	0.694	0.5483	4.8621	0.00073	0.009	-0.22	-1.4194	none
ZNF716	0.634	0.4575	4.8597	7.32E-04	0.009	-0.23	-1.5761	OA-related
ZKSCAN3	0.629	0.4794	4.8588	7.33E-04	0.009	-0.23	-1.4254	none
TUSC3	0.73	0.5227	4.8584	7.33E-04	0.009	-0.23	-0.897	none

ACAD8	0.471	0.3887	4.8579	7.34E-04	0.009	-0.23	-1.4429	none
ANKRD18A	1.047	0.8105	4.8568	7.35E-04	0.009	-0.23	-0.4682	none
LARP6	0.525	0.4197	4.8567	7.35E-04	0.009	-0.23	-1.3321	none
SCD5	0.628	0.4486	4.8554	7.37E-04	0.009	-0.23	-1.4493	none
NELFA	0.807	0.6951	4.8553	7.37E-04	0.009	-0.23	-1.5404	OA-related
PPP1R37	0.839	0.7003	4.8552	7.37E-04	0.009	-0.23	-1.4087	none
WTIP	0.466	0.3473	4.8538	7.38E-04	0.009	-0.23	-1.4378	none
MYH3	1.186	0.9656	4.8531	7.39E-04	0.009	-0.24	-1.0452	none
CA6	0.803	0.5922	4.8522	7.40E-04	0.009	-0.24	-1.2631	none
PCDHGA5	0.431	0.3306	4.8499	7.43E-04	0.009	-0.24	-1.4156	none
ZNF215	0.929	0.719	4.8495	7.43E-04	0.009	-0.24	-1.2323	none
GAN	0.628	0.5442	4.8484	7.44E-04	0.009	-0.24	-1.1909	none
ZKSCAN7	0.655	0.4654	4.8472	7.46E-04	0.009	-0.24	-1.4178	none
PHF11	0.614	0.4539	4.8455	7.47E-04	0.009	-0.25	-1.3351	none
STKLD1	0.752	0.5673	4.8446	7.48E-04	0.009	-0.25	-1.1999	none
DENND2C	0.735	0.5675	4.8436	7.50E-04	0.009	-0.25	-1.3174	none
ITGA3	0.765	0.6482	4.8429	7.50E-04	0.009	-0.25	-1.3045	none
CIART	0.746	0.5544	4.8428	7.50E-04	0.009	-0.25	-1.3565	none
RSPH3	0.628	0.499	4.8416	7.52E-04	0.009	-0.25	-1.128	none
FAM153A	1.2	0.8865	4.8411	7.52E-04	0.009	-0.25	-0.8169	none
CHST5	0.604	0.4499	4.8408	7.53E-04	0.009	-0.25	-1.5572	OA-related
DOCK5	0.902	0.7414	4.8406	7.53E-04	0.009	-0.25	-1.1801	none
SLC16A4	0.624	0.4885	4.8401	7.53E-04	0.009	-0.25	-1.4332	none
PLA2G2D	0.712	0.5031	4.84	7.53E-04	0.009	-0.25	-1.5005	none
AJUBA	0.718	0.4909	4.8372	7.57E-04	0.009	-0.26	-1.3345	none
MX1	0.969	0.7818	4.8337	7.60E-04	0.009	-0.26	-1.4891	none
IREB2	0.714	0.5723	4.8306	7.64E-04	0.009	-0.27	-0.7266	none
B3GALT1	0.733	0.5472	4.8284	7.66E-04	0.009	-0.27	-1.5793	OA-related
LGR6	0.58	0.4078	4.8278	7.67E-04	0.009	-0.27	-1.3833	none
CCDC120	0.506	0.4035	4.8266	7.68E-04	0.009	-0.27	-1.3879	none
RAD9A	0.842	0.6332	4.8242	7.71E-04	0.009	-0.28	-1.5817	OA-related
ZNF225	0.863	0.7504	4.8239	7.71E-04	0.009	-0.28	-1.3403	none
MACF1	1.209	1.1145	4.8233	7.72E-04	0.009	-0.28	-1.0679	none
NEURL1	0.833	0.629	4.8229	7.72E-04	0.009	-0.28	-0.7871	none
MSI2	0.614	0.4457	4.8228	7.73E-04	0.009	-0.28	-1.438	none
DNAH17	0.768	0.765	4.8216	7.74E-04	0.009	-0.28	-1.0153	none
HAUS3	0.608	0.5203	4.82	7.76E-04	0.009	-0.28	-0.707	none
ADIPOQ	0.606	0.4143	4.8163	7.80E-04	0.009	-0.29	-1.4078	none
ATP1A3	0.752	0.5347	4.8151	7.81E-04	0.009	-0.29	-0.8054	none
HINT3	0.469	0.3447	4.8136	7.83E-04	0.009	-0.29	-0.5419	none



GLOD4	0.596	0.385	4.8132	7.84E-04	0.009	-0.29	-1.2894	none
BTBD1	0.64	0.5045	4.8128	7.84E-04	0.009	-0.29	-0.9918	none
LEP	0.456	0.3354	4.8123	7.85E-04	0.009	-0.29	-1.1234	none
EDC3	0.395	0.2554	4.811	7.86E-04	0.009	-0.3	-0.3759	none
CCDC125	0.671	0.591	4.8099	7.87E-04	0.009	-0.3	-0.9056	none
DCST1	0.632	0.4385	4.8071	7.91E-04	0.009	-0.3	-0.7565	none
VGLL3	0.808	0.593	4.8057	7.92E-04	0.009	-0.3	-1.3886	none
ZNF69	1.126	0.8784	4.8041	7.94E-04	0.009	-0.31	-1.3493	none
TARS2	0.749	0.6419	4.803	7.95E-04	0.009	-0.31	-1.4101	none
SULT1B1	0.637	0.4682	4.8026	7.96E-04	0.009	-0.31	-1.256	none
ISG20L2	0.542	0.4453	4.8019	7.97E-04	0.009	-0.31	-1.4072	none
BPIFB1	0.671	0.5152	4.8014	7.97E-04	0.009	-0.31	-1.2795	none
LPIN3	0.792	0.6423	4.8013	7.97E-04	0.009	-0.31	-1.5548	OA-related
ADAM29	0.415	0.2587	4.7996	7.99E-04	0.009	-0.31	-1.2986	none
GTPBP3	0.546	0.4713	4.7994	8.00E-04	0.009	-0.31	-1.0173	none
SLC9A4	0.506	0.3492	4.7985	8.01E-04	0.009	-0.32	-1.6144	OA-related
TNFRSF11I	0.55	0.3971	4.7985	8.01E-04	0.009	-0.32	-0.5132	none
CHRNA7	0.67	0.4723	4.798	8.01E-04	0.009	-0.32	-1.2524	none
LMOD3	0.521	0.3738	4.7966	8.03E-04	0.009	-0.32	-1.478	none
ZNF883	0.895	0.7125	4.7934	8.07E-04	0.009	-0.32	-1.2672	none
ZNF274	0.826	0.7155	4.7917	8.09E-04	0.009	-0.33	-0.5911	none
TRIM16	0.707	0.5623	4.791	8.09E-04	0.009	-0.33	-1.3483	none
GTF2IRD2I	0.784	0.5857	4.7896	8.11E-04	0.009	-0.33	-0.6871	none
USP42	1.068	0.9472	4.7877	8.13E-04	0.009	-0.33	-1.4775	none
PODNL1	1.103	0.8698	4.7854	8.16E-04	0.009	-0.33	-0.8196	none
SMYD4	1.106	0.9447	4.7847	8.17E-04	0.009	-0.34	-1.4837	none
DHODH	0.873	0.7652	4.7845	8.17E-04	0.009	-0.34	-0.8486	none
C12ORF49	0.542	0.3323	4.783	8.19E-04	0.009	-0.34	-1.4283	none
C3ORF67	0.671	0.4702	4.7817	8.21E-04	0.009	-0.34	-1.0206	none
ZNF346	0.511	0.4467	4.7815	8.21E-04	0.009	-0.34	-0.4237	none
LIN52	0.712	0.5114	4.7779	8.25E-04	0.009	-0.35	-1.009	none
SH2D6	1.023	0.9541	4.7777	8.25E-04	0.009	-0.35	-0.7434	none
EFTUD2	0.588	0.4524	4.7772	8.26E-04	0.009	-0.35	-1.0474	none
ECHDC1	0.511	0.3608	4.777	8.26E-04	0.009	-0.35	-1.2079	none
C3ORF62	0.881	0.79	4.7764	8.27E-04	0.009	-0.35	-1.4568	none
SPDYE2	0.618	0.559	4.774	8.30E-04	0.009	-0.35	-0.4814	none
SMOC1	0.986	0.7774	4.773	8.31E-04	0.009	-0.35	-1.3287	none
SYAP1	0.655	0.5475	4.7714	8.33E-04	0.009	-0.35	-1.615	OA-related
C1ORF50	0.779	0.6654	4.7698	8.35E-04	0.009	-0.36	-1.0708	none
APC	0.938	0.8297	4.7695	8.35E-04	0.009	-0.36	-1.3725	none

PBLD	0.566	0.4137	4.7693	8.36E-04	0.009	-0.36	-0.8115	none
NMUR1	0.487	0.342	4.7685	8.37E-04	0.009	-0.36	-1.4401	none
MRPL10	0.618	0.3853	4.7667	8.39E-04	0.009	-0.36	-1.0283	none
FKRP	0.863	0.7657	4.7663	8.39E-04	0.009	-0.36	-1.4118	none
CCDC77	1.065	0.9027	4.7648	8.41E-04	0.009	-0.36	-1.2445	none
DBF4B	0.887	0.7578	4.7646	8.41E-04	0.009	-0.36	-1.6391	OA-related
TRIM59	0.62	0.4623	4.7644	8.42E-04	0.009	-0.37	-1.3328	none
FAM221A	0.952	0.7689	4.7633	8.43E-04	0.009	-0.37	-1.356	none
PPIAL4E	0.476	0.3246	4.7632	8.43E-04	0.009	-0.37	0.31	none
PLEKHG4B	0.657	0.4667	4.7625	8.44E-04	0.009	-0.37	-1.1808	none
ATP7A	0.79	0.6604	4.7608	8.46E-04	0.009	-0.37	-1.1388	none
PPARA	0.633	0.4849	4.7597	8.48E-04	0.009	-0.37	-1.1852	none
TOR1AIP2	0.785	0.6223	4.7597	8.48E-04	0.009	-0.37	-1.6307	OA-related
KCNJ16	0.611	0.4554	4.7578	8.50E-04	0.009	-0.37	-1.4489	none
CAMTA2	0.528	0.4393	4.7577	8.50E-04	0.009	-0.38	-1.4701	none
TRNT1	0.401	0.3129	4.7577	8.50E-04	0.009	-0.38	-0.8724	none
TAC4	1.315	1.0912	4.7558	8.52E-04	0.009	-0.38	-1.4146	none
DIS3L	1.096	0.9547	4.7548	8.54E-04	0.009	-0.38	-1.2589	none
NSG1	1.228	1.087	4.7523	8.57E-04	0.009	-0.38	-1.1751	none
SIDT1	0.96	0.78	4.7522	8.57E-04	0.009	-0.38	-1.5724	OA-related
CANX	0.641	0.5057	4.752	8.57E-04	0.009	-0.38	0.00615	none
LRRD1	0.558	0.4035	4.7483	8.62E-04	0.009	-0.39	-1.4548	none
MRM3	0.43	0.3468	4.748	8.62E-04	0.009	-0.39	-1.5365	OA-related
MYLK3	0.577	0.4373	4.745	8.66E-04	0.009	-0.39	-1.4619	none
SLC26A4	0.641	0.5007	4.7441	8.67E-04	0.009	-0.4	-0.7819	none
UIMC1	1.001	0.8505	4.7427	8.69E-04	0.01	-0.4	-1.2342	none
BRIP1	0.896	0.7068	4.7418	8.70E-04	0.01	-0.4	-0.8218	none
GOLGA8R	0.517	0.4254	4.7409	8.71E-04	0.01	-0.4	-0.9933	none
NPIP5	1.183	1.0836	4.7395	8.73E-04	0.01	-0.4	-0.9619	none
GPSM2	0.977	0.8195	4.7393	8.73E-04	0.01	-0.4	-1.264	none
NCOA7	1.249	1.0932	4.7376	8.76E-04	0.01	-0.4	-1.3679	none
LOXL2	1.072	0.813	4.7372	8.76E-04	0.01	-0.41	-1.1673	none
CPSF4	0.644	0.5457	4.7359	8.78E-04	0.01	-0.41	-0.996	none
SHISA9	0.615	0.4371	4.7346	8.80E-04	0.01	-0.41	-1.4199	none
C11ORF49	0.454	0.3538	4.7331	8.81E-04	0.01	-0.41	-1.4349	none
PEX16	0.737	0.5663	4.7329	8.82E-04	0.01	-0.41	-1.2827	none
ZFAND4	0.528	0.405	4.7329	8.82E-04	0.01	-0.41	-1.098	none
FTO	0.724	0.5972	4.7328	8.82E-04	0.01	-0.41	-1.4608	none
NUP107	0.498	0.3826	4.7321	8.83E-04	0.01	-0.41	-1.1013	none
OR2AG2	0.478	0.3422	4.7306	8.85E-04	0.01	-0.42	-1.5814	OA-related

BCO2	0.769	0.5861	4.7297	8.86E-04	0.01	-0.42	-1.4276	none
TRIM22	0.576	0.4177	4.7294	8.86E-04	0.01	-0.42	-0.7422	none
PPIAL4A	-0.399	-0.2657	-4.727	8.90E-04	0.01	-0.42	1.25335	none
FAM160B1	0.65	0.4657	4.7264	8.90E-04	0.01	-0.42	0.03582	none
SERINC5	0.692	0.5179	4.7262	8.91E-04	0.01	-0.42	-1.4902	none
PRDM15	0.911	0.711	4.7246	8.93E-04	0.01	-0.42	-1.4437	none
SAFB2	1.047	0.9574	4.7242	8.93E-04	0.01	-0.42	-1.3379	none
GRAMD1A	0.756	0.6741	4.7234	8.94E-04	0.01	-0.43	-1.4384	none
CEP57L1	0.909	0.8129	4.7231	8.94E-04	0.01	-0.43	-1.0245	none
S1PR2	0.549	0.3932	4.7223	8.96E-04	0.01	-0.43	-1.6253	OA-related
MAP2K7	0.847	0.6902	4.7221	8.96E-04	0.01	-0.43	-0.9624	none
FBXW10	1.024	0.7767	4.7216	8.97E-04	0.01	-0.43	-1.2735	none
PARD6B	0.635	0.4433	4.7201	8.99E-04	0.01	-0.43	-1.5846	OA-related
FKBP9	0.604	0.5163	4.7165	9.03E-04	0.01	-0.44	-0.1004	none
PROM2	0.475	0.3384	4.7098	9.12E-04	0.01	-0.45	-0.9403	none
ACKR2	0.662	0.5239	4.7076	9.15E-04	0.01	-0.45	-1.0218	none
ASPH	0.874	0.7682	4.707	9.16E-04	0.01	-0.45	-1.2662	none
FOXK1	0.702	0.6348	4.7066	9.17E-04	0.01	-0.45	-1.3472	none
POU6F2	0.629	0.524	4.7064	9.17E-04	0.01	-0.45	-0.9948	none
MOK	0.884	0.6383	4.7047	9.19E-04	0.01	-0.45	-1.2985	none
ZNF687	0.722	0.6138	4.7043	9.20E-04	0.01	-0.45	-1.4654	none
PCSK6	0.603	0.4388	4.7042	9.20E-04	0.01	-0.45	-1.3522	none
IYD	0.646	0.5102	4.7036	9.21E-04	0.01	-0.46	-1.4636	none
AP4M1	0.74	0.5935	4.702	9.23E-04	0.01	-0.46	-0.7372	none
ZFP30	1.096	0.9619	4.7011	9.24E-04	0.01	-0.46	-1.5618	OA-related
TIMM23B	0.692	0.5929	4.6992	9.27E-04	0.01	-0.46	-0.6604	none
VAV3	0.73	0.5509	4.6992	9.27E-04	0.01	-0.46	-0.7596	none
OSBPL1A	1.207	0.9894	4.6934	9.35E-04	0.01	-0.47	-1.1408	none
GRM6	0.624	0.4747	4.6934	9.35E-04	0.01	-0.47	-1.4438	none
RNF207	0.544	0.4851	4.692	9.37E-04	0.01	-0.47	-0.6841	none
LRRFIP2	0.843	0.6432	4.6917	9.37E-04	0.01	-0.47	-0.7808	none
ZNF780B	0.586	0.4566	4.6917	9.37E-04	0.01	-0.47	-1.1495	none
KIAA0586	1.177	1.0665	4.6913	9.38E-04	0.01	-0.47	-1.2711	none
SHE	0.529	0.3772	4.6912	9.38E-04	0.01	-0.47	-1.349	none
GPR83	0.414	0.3143	4.6892	9.41E-04	0.01	-0.48	-1.4775	none
RWDD2A	0.455	0.301	4.6892	9.41E-04	0.01	-0.48	-0.7293	none
GIMAP2	0.652	0.3798	4.6879	9.42E-04	0.01	-0.48	-1.1435	none
TUBGCP4	0.52	0.4305	4.6861	9.45E-04	0.01	-0.48	-0.3032	none
ZNF747	0.599	0.4521	4.6849	9.47E-04	0.01	-0.48	-1.3145	none
SEMA4F	0.53	0.3669	4.6847	9.47E-04	0.01	-0.48	-0.026	none

ABCA13	0.503	0.3609	4.6823	9.50E-04	0.01	-0.49	-1.492	none
STOM	0.457	0.3277	4.6818	9.51E-04	0.01	-0.49	-1.2439	none
SH3BP5	0.791	0.6786	4.6811	9.52E-04	0.01	-0.49	-1.4325	none
MCF2L	0.777	0.6727	4.6807	9.52E-04	0.01	-0.49	-0.7174	none
TFDP2	0.678	0.5295	4.6805	9.53E-04	0.01	-0.49	-0.9407	none
ZNF345	1.033	0.7851	4.6797	9.54E-04	0.01	-0.49	-1.2165	none
R3HDM4	0.611	0.4342	4.6793	9.54E-04	0.01	-0.49	-0.1632	none
MGP	0.82	0.5953	4.6785	9.56E-04	0.01	-0.49	-1.465	none
POLQ	1.201	1.0832	4.676	9.59E-04	0.01	-0.5	-1.3949	none
RABL2B	0.567	0.4367	4.6747	9.61E-04	0.01	-0.5	-1.075	none
METTL7A	0.692	0.5241	4.6735	9.63E-04	0.01	-0.5	-1.4966	none
RFC2	0.53	0.4085	4.6728	9.64E-04	0.01	-0.5	-1.4081	none
CEP135	0.882	0.7812	4.6694	9.69E-04	0.01	-0.51	-1.3494	none
AARSD1	0.483	0.3573	4.6665	9.73E-04	0.01	-0.51	-1.2661	none
CNOT10	0.907	0.7408	4.6645	9.76E-04	0.01	-0.51	-1.1622	none
USP33	0.874	0.7167	4.6644	9.76E-04	0.01	-0.51	-1.2789	none
GBA	0.45	0.3143	4.6641	9.76E-04	0.01	-0.51	-1.0925	none
SLC13A3	0.445	0.2938	4.664	9.76E-04	0.01	-0.51	-1.468	none
SLC5A5	0.457	0.3244	4.6639	9.77E-04	0.01	-0.51	-1.3215	none
SCAMP4	0.558	0.4317	4.6636	9.77E-04	0.01	-0.51	-1.3361	none
LMO3	0.429	0.3131	4.6635	9.77E-04	0.01	-0.51	-0.5183	none
MYO19	0.734	0.6394	4.6632	9.78E-04	0.01	-0.51	-1.4049	none
KLHL5	0.665	0.5017	4.6626	9.78E-04	0.01	-0.52	-1.4817	none
RBL2	0.596	0.461	4.6622	9.79E-04	0.01	-0.52	-0.6855	none
ARL16	0.564	0.4163	4.6609	9.81E-04	0.01	-0.52	-1.3412	none
TIGAR	0.643	0.4787	4.6595	9.83E-04	0.01	-0.52	-0.9759	none
AK9	0.654	0.5022	4.6582	9.85E-04	0.01	-0.52	-1.3427	none
CR1	0.391	0.2545	4.6577	9.86E-04	0.01	-0.52	-1.5053	none
DFFB	0.598	0.3987	4.6568	9.87E-04	0.01	-0.52	-1.1593	none
B3GALNT1	0.651	0.4568	4.6529	9.93E-04	0.01	-0.53	-1.175	none
NOX4	0.382	0.2784	4.6519	9.94E-04	0.01	-0.53	-1.4127	none
CTRB1	0.481	0.3347	4.6492	9.98E-04	0.01	-0.54	-1.3367	none
CRTC2	0.703	0.632	4.6492	9.98E-04	0.01	-0.54	-1.3875	none
APPBP2	0.539	0.3787	4.6471	0.001	0.01	-0.54	-0.1086	none
TBL2	0.566	0.4499	4.646	0.001	0.01	-0.54	-0.8453	none
CYP51A1	0.494	0.3506	4.645	0.001	0.01	-0.54	-1.2514	none
ZNF619	0.543	0.4122	4.6408	0.00101	0.01	-0.55	-1.4552	none
SLC25A51	0.458	0.3366	4.6396	0.00101	0.01	-0.55	-1.5052	none
MITD1	0.648	0.4614	4.6395	0.00101	0.01	-0.55	-1.2299	none
SLC28A2	0.708	0.5112	4.6394	0.00101	0.01	-0.55	-1.4273	none

PCDHA4	0.527	0.4043	4.6383	0.00101	0.01	-0.55	-1.5637	OA-related
GOLGB1	0.831	0.721	4.6362	0.00102	0.01	-0.56	-1.0283	none
ORAI2	0.557	0.4515	4.6352	0.00102	0.01	-0.56	-1.2452	none
MAP3K15	0.481	0.3631	4.6349	0.00102	0.01	-0.56	-1.4423	none
KLHL26	0.758	0.5293	4.6349	0.00102	0.01	-0.56	-1.557	OA-related
PAICS	0.49	0.3769	4.6349	0.00102	0.01	-0.56	-0.4215	none
ACTR3C	0.666	0.5356	4.6313	0.00103	0.011	-0.56	0.06861	none
KLLN	0.564	0.3968	4.6312	0.00103	0.011	-0.56	-1.444	none
CCDC151	0.439	0.3158	4.6294	0.00103	0.011	-0.57	-1.5212	none
ZNF525	0.899	0.7225	4.6293	0.00103	0.011	-0.57	-1.1933	none
DCAF16	0.742	0.6151	4.6263	0.00103	0.011	-0.57	-1.3364	none
DTWD2	0.61	0.4675	4.6262	0.00103	0.011	-0.57	-1.4888	none
FBXL22	0.678	0.5127	4.6262	0.00103	0.011	-0.57	-1.1172	none
SPN	0.685	0.552	4.6262	0.00103	0.011	-0.57	-1.2991	none
D2HGDH	0.659	0.5301	4.6246	0.00104	0.011	-0.57	-1.0574	none
PCMTD2	0.491	0.3782	4.6237	0.00104	0.011	-0.57	-1.317	none
HES2	0.636	0.5084	4.6234	0.00104	0.011	-0.57	-0.9493	none
CLIP2	0.872	0.6568	4.6227	0.00104	0.011	-0.58	-1.3106	none
MOCOS	0.554	0.3945	4.6221	0.00104	0.011	-0.58	-1.2349	none
ARPIN	0.513	0.3979	4.622	0.00104	0.011	-0.58	-1.5239	none
LETM1	0.881	0.8096	4.622	0.00104	0.011	-0.58	-1.5623	OA-related
DISP2	0.655	0.4691	4.6214	0.00104	0.011	-0.58	-1.4897	none
TRIM13	0.587	0.3867	4.6208	0.00104	0.011	-0.58	-1.3691	none
BAZ2B	0.771	0.7007	4.6208	0.00104	0.011	-0.58	-1.1373	none
TSPAN6	0.598	0.4326	4.6192	0.00104	0.011	-0.58	-1.4503	none
VPS53	0.722	0.6485	4.6188	0.00104	0.011	-0.58	-1.506	none
ECHDC2	0.52	0.3751	4.6185	0.00104	0.011	-0.58	-1.2469	none
BRI3	0.859	0.5934	4.6176	0.00105	0.011	-0.58	-1.1648	none
STARD6	0.841	0.6372	4.617	0.00105	0.011	-0.58	-1.2391	none
PARD6G	0.512	0.3887	4.6165	0.00105	0.011	-0.58	-1.1452	none
WDPCP	0.675	0.5364	4.6153	0.00105	0.011	-0.59	-1.5464	OA-related
HSPA4L	0.74	0.6032	4.6141	0.00105	0.011	-0.59	-1.3855	none
C2ORF15	0.564	0.3587	4.6119	0.00106	0.011	-0.59	-0.7195	none
KIAA1958	0.642	0.5714	4.6117	0.00106	0.011	-0.59	-1.4172	none
ZSCAN22	0.588	0.4725	4.6089	0.00106	0.011	-0.6	-1.4824	none
ZNF233	0.704	0.5881	4.6078	0.00106	0.011	-0.6	-0.8246	none
CDON	0.56	0.4147	4.6073	0.00106	0.011	-0.6	-0.5225	none
PDZD7	0.662	0.5359	4.6073	0.00106	0.011	-0.6	-1.1838	none
KCNJ11	0.472	0.3567	4.6061	0.00106	0.011	-0.6	-1.2565	none
RPS6KB1	0.985	0.8529	4.6047	0.00107	0.011	-0.6	-1.2785	none

CXORF58	0.41	0.2822	4.6044	0.00107	0.011	-0.6	-1.4831	none
ELOVL7	0.536	0.3847	4.6044	0.00107	0.011	-0.6	-1.2616	none
TRPM6	0.707	0.5716	4.6042	0.00107	0.011	-0.6	-1.3156	none
ANGPT1	0.656	0.486	4.6037	0.00107	0.011	-0.6	-0.9993	none
CASP10	1.154	0.9272	4.6018	0.00107	0.011	-0.61	-1.4589	none
CA12	0.469	0.358	4.6017	0.00107	0.011	-0.61	-1.1425	none
APBB3	0.489	0.4385	4.6007	0.00107	0.011	-0.61	0.14157	none
ZNF180	0.597	0.4813	4.6001	0.00107	0.011	-0.61	-1.2205	none
PPM1F	0.788	0.6165	4.599	0.00108	0.011	-0.61	-1.2377	none
NIPAL3	0.502	0.3847	4.598	0.00108	0.011	-0.61	-1.5869	OA-related
C2ORF83	0.667	0.5023	4.5971	0.00108	0.011	-0.61	-1.5864	OA-related
CAMK2A	0.445	0.3081	4.597	0.00108	0.011	-0.61	-1.2105	none
ITPRIPL2	0.497	0.4197	4.5948	0.00108	0.011	-0.62	-1.4285	none
ZNF85	0.628	0.43	4.5934	0.00108	0.011	-0.62	-1.0555	none
STAT5B	0.743	0.63	4.593	0.00109	0.011	-0.62	-1.3752	none
LRRC27	0.619	0.5174	4.5929	0.00109	0.011	-0.62	-1.2328	none
FAM49B	0.486	0.3038	4.5881	0.00109	0.011	-0.63	-1.2311	none
MFSD8	0.907	0.6317	4.5877	0.00109	0.011	-0.63	-1.17	none
SEC14L4	0.413	0.3164	4.5861	0.0011	0.011	-0.63	-1.4338	none
HSBP1L1	0.565	0.3929	4.5852	0.0011	0.011	-0.63	-0.079	none
NICN1	0.572	0.3754	4.5837	0.0011	0.011	-0.63	-1.3546	none
CLCN3	0.739	0.6037	4.5825	0.0011	0.011	-0.64	-0.2296	none
HP	0.61	0.3932	4.5822	0.0011	0.011	-0.64	-1.3554	none
NUDT19	0.622	0.4457	4.5811	0.0011	0.011	-0.64	-1.5548	OA-related
FAM83F	0.451	0.3402	4.5809	0.00111	0.011	-0.64	-1.3596	none
PNPLA3	0.619	0.4642	4.5806	0.00111	0.011	-0.64	-1.3663	none
MLIP	0.564	0.388	4.5797	0.00111	0.011	-0.64	-1.4626	none
ALDH3B1	0.935	0.7334	4.5795	0.00111	0.011	-0.64	-1.2149	none
SLC38A7	0.741	0.6423	4.5782	0.00111	0.011	-0.64	-1.416	none
SEMA3C	0.885	0.6485	4.5782	0.00111	0.011	-0.64	-1.0533	none
PPP1R16A	0.771	0.6674	4.5775	0.00111	0.011	-0.64	-1.4282	none
AP000769	0.893	0.64	4.5757	0.00111	0.011	-0.65	-1.2226	none
STARD8	0.523	0.4316	4.575	0.00112	0.011	-0.65	-0.9528	none
TNKS	1.192	1.0258	4.5721	0.00112	0.011	-0.65	-1.4505	none
SEMA4C	0.747	0.6499	4.572	0.00112	0.011	-0.65	-1.3868	none
SPDYE3	0.998	0.8521	4.5718	0.00112	0.011	-0.65	-1.5008	none
PRR5	0.59	0.4314	4.5714	0.00112	0.011	-0.65	-1.1133	none
UVSSA	0.716	0.5979	4.5695	0.00112	0.011	-0.66	-0.9583	none
CARD18	0.566	0.4223	4.5694	0.00112	0.011	-0.66	-1.1458	none
LGI1	0.766	0.5859	4.5694	0.00112	0.011	-0.66	-1.399	none

CAPRIN2	1.001	0.852	4.5686	0.00113	0.011	-0.66	-1.4227	none
CDH6	0.396	0.3012	4.5666	0.00113	0.011	-0.66	-0.9051	none
ANAPC5	0.434	0.3026	4.5662	0.00113	0.011	-0.66	-1.2418	none
MSH5	0.865	0.6607	4.5655	0.00113	0.011	-0.66	-0.9125	none
PTAFR	0.492	0.395	4.5643	0.00113	0.011	-0.66	-1.0611	none
CARD14	0.696	0.5226	4.5641	0.00113	0.011	-0.66	-1.2265	none
PLA2G7	0.468	0.3861	4.564	0.00113	0.011	-0.66	-1.1769	none
ARHGAP26	0.942	0.7922	4.5637	0.00113	0.011	-0.66	-1.2624	none
CASP8	0.796	0.6386	4.5626	0.00114	0.011	-0.67	-1.4813	none
LIN28A	0.726	0.5654	4.5613	0.00114	0.011	-0.67	-1.5846	OA-related
APOPT1	0.699	0.545	4.5593	0.00114	0.011	-0.67	-1.2077	none
GAS2L3	0.588	0.4376	4.5589	0.00114	0.011	-0.67	-1.3319	none
SPATS2	0.889	0.7545	4.5584	0.00114	0.011	-0.67	-1.479	none
TJP2	1.032	0.9268	4.5565	0.00115	0.011	-0.67	-0.7844	none
POLK	0.905	0.7724	4.5563	0.00115	0.011	-0.67	-1.4017	none
AK7	1.45	1.2051	4.5563	0.00115	0.011	-0.67	-1.0721	none
TBC1D8B	0.65	0.5314	4.5558	0.00115	0.011	-0.68	-1.0091	none
KIAA2012	0.422	0.3256	4.5535	0.00115	0.011	-0.68	-1.6479	OA-related
CLDN11	0.477	0.4384	4.5527	0.00115	0.011	-0.68	-0.9328	none
ATM	0.99	0.8195	4.5516	0.00115	0.011	-0.68	-1.5685	OA-related
C1ORF174	0.489	0.3433	4.5506	0.00116	0.011	-0.68	-1.5683	OA-related
DTD2	0.637	0.442	4.5504	0.00116	0.011	-0.68	-1.1276	none
ZBTB21	0.721	0.5499	4.5503	0.00116	0.011	-0.68	-1.0916	none
ZNF415	1.019	0.8116	4.5502	0.00116	0.011	-0.68	-1.2006	none
ARFGEF2	1.15	1.0395	4.5502	0.00116	0.011	-0.68	-1.3455	none
UCN	0.574	0.4907	4.5474	0.00116	0.011	-0.69	-1.0106	none
NAA60	0.68	0.5666	4.5474	0.00116	0.011	-0.69	-1.3182	none
TBC1D24	0.665	0.5701	4.5472	0.00116	0.011	-0.69	-1.2881	none
IQCC	0.723	0.6396	4.5471	0.00116	0.011	-0.69	-1.5717	OA-related
FCAR	0.415	0.304	4.5471	0.00116	0.011	-0.69	-1.5988	OA-related
FAM120A	0.581	0.4265	4.546	0.00116	0.011	-0.69	-1.2308	none
IQCG	0.913	0.801	4.545	0.00117	0.011	-0.69	-1.1775	none
GRTP1	0.618	0.4196	4.5443	0.00117	0.011	-0.69	-1.2902	none
TXK	0.652	0.4767	4.5443	0.00117	0.011	-0.69	-1.386	none
GGT6	0.554	0.4431	4.5424	0.00117	0.011	-0.7	-1.2283	none
USP29	1.235	0.9606	4.5409	0.00117	0.011	-0.7	-1.3359	none
SIGLEC11	0.669	0.4855	4.5406	0.00117	0.011	-0.7	-1.5107	none
SLC43A2	0.65	0.4848	4.5396	0.00118	0.011	-0.7	-1.064	none
TOP3A	0.895	0.7801	4.5386	0.00118	0.011	-0.7	-1.3046	none
OR2A5	0.823	0.6442	4.5379	0.00118	0.011	-0.7	-1.3829	none

KIF19	0.729	0.5278	4.5374	0.00118	0.011	-0.7	-1.4279	none
ZNF318	1.012	0.8854	4.5364	0.00118	0.011	-0.7	-1.3729	none
AP1S3	0.842	0.7036	4.5352	0.00118	0.011	-0.71	-1.4699	none
TRABD2A	0.488	0.3624	4.5345	0.00118	0.011	-0.71	-1.183	none
OR2G6	0.411	0.3017	4.5321	0.00119	0.011	-0.71	-1.4277	none
KCTD1	0.957	0.851	4.5315	0.00119	0.011	-0.71	-1.4286	none
RNF115	0.547	0.3724	4.5315	0.00119	0.011	-0.71	-1.2342	none
HSD17B4	0.425	0.33	4.531	0.00119	0.011	-0.71	1.00776	none
POLB	0.644	0.4266	4.5293	0.00119	0.011	-0.72	-1.1306	none
CAGE1	0.683	0.4955	4.5291	0.00119	0.011	-0.72	-1.4361	none
METTL15	0.472	0.3191	4.5282	0.0012	0.011	-0.72	-0.1507	none
KLRK1	0.556	0.3904	4.5271	0.0012	0.011	-0.72	-1.2558	none
APAF1	0.731	0.6271	4.5249	0.0012	0.011	-0.72	-0.1692	none
ZNF701	0.847	0.6952	4.5248	0.0012	0.011	-0.72	-1.3163	none
RAB22A	0.467	0.3438	4.5246	0.0012	0.011	-0.72	-1.2674	none
HTN1	0.593	0.4586	4.5243	0.0012	0.011	-0.72	-0.8758	none
MOCS3	0.558	0.361	4.5232	0.00121	0.011	-0.72	-1.0417	none
ZNF442	0.534	0.4282	4.523	0.00121	0.011	-0.73	-1.5837	OA-related
FBN1	0.514	0.3919	4.5211	0.00121	0.011	-0.73	-1.4495	none
KRIT1	0.944	0.8584	4.5205	0.00121	0.012	-0.73	-1.2463	none
NLRP12	0.658	0.4904	4.5182	0.00121	0.012	-0.73	-1.3707	none
MCOLN3	0.399	0.3041	4.5176	0.00122	0.012	-0.73	-0.8179	none
DPH1	0.43	0.3092	4.517	0.00122	0.012	-0.73	-0.9153	none
RPP14	0.644	0.5418	4.517	0.00122	0.012	-0.73	-1.2295	none
OR52A1	0.479	0.3514	4.5152	0.00122	0.012	-0.74	-1.5621	OA-related
WNT9B	0.491	0.3926	4.5148	0.00122	0.012	-0.74	-1.2173	none
TNNI1	0.447	0.317	4.5126	0.00122	0.012	-0.74	-1.5567	OA-related
TMEM192	0.504	0.3476	4.512	0.00123	0.012	-0.74	-0.8999	none
CASP2	0.529	0.4107	4.5097	0.00123	0.012	-0.75	-1.584	OA-related
UBA3	0.604	0.3862	4.5088	0.00123	0.012	-0.75	-1.1416	none
ABCA1	0.877	0.9274	4.507	0.00124	0.012	-0.75	0.28462	none
HERC1	0.97	0.8848	4.5069	0.00124	0.012	-0.75	-1.4059	none
DPYSL5	0.468	0.3046	4.5067	0.00124	0.012	-0.75	-1.5128	none
RHBDD1	0.724	0.4971	4.5035	0.00124	0.012	-0.75	-1.0001	none
CDK17	0.5	0.4206	4.5031	0.00124	0.012	-0.76	-0.3743	none
HIST4H4	1.016	0.7377	4.5027	0.00124	0.012	-0.76	-1.1734	none
SLC22A13	0.537	0.4024	4.5023	0.00124	0.012	-0.76	0.25982	none
FOXL2NB	0.376	0.281	4.5012	0.00125	0.012	-0.76	-1.18	none
SYNPO2	0.446	0.3551	4.5011	0.00125	0.012	-0.76	-1.4091	none
PDXK	0.505	0.4207	4.5004	0.00125	0.012	-0.76	-0.0808	none



MLH1	0.605	0.5029	4.499	0.00125	0.012	-0.76	-1.1937	none
ERN1	0.63	0.5153	4.498	0.00125	0.012	-0.76	-0.7234	none
XRN1	1.145	1.0101	4.4969	0.00125	0.012	-0.76	-1.4666	none
ZNF20	1.106	0.9501	4.4968	0.00125	0.012	-0.76	-0.7659	none
SPAST	0.576	0.4107	4.496	0.00126	0.012	-0.77	-1.2718	none
TIMM44	0.607	0.557	4.4948	0.00126	0.012	-0.77	-1.3556	none
CASQ1	1.242	0.9393	4.4921	0.00126	0.012	-0.77	-0.7175	none
AP1G1	0.513	0.4095	4.4917	0.00126	0.012	-0.77	-1.5508	OA-related
C21ORF58	0.613	0.5412	4.4896	0.00127	0.012	-0.78	-1.3513	none
TRPM3	0.529	0.3822	4.4872	0.00127	0.012	-0.78	-1.4517	none
GSDMC	0.495	0.3548	4.487	0.00127	0.012	-0.78	-1.3349	none
ZNF791	0.735	0.6153	4.4853	0.00128	0.012	-0.78	-1.6231	OA-related
PRR19	0.688	0.5436	4.4825	0.00128	0.012	-0.79	-1.4158	none
DCAF8	0.648	0.6088	4.4805	0.00129	0.012	-0.79	-1.3154	none
ART4	0.486	0.3535	4.4802	0.00129	0.012	-0.79	-1.4704	none
C19ORF44	0.903	0.734	4.4795	0.00129	0.012	-0.79	-1.183	none
DOT1L	1.008	0.8996	4.4783	0.00129	0.012	-0.79	-1.4045	none
HSCB	0.918	0.67	4.4765	0.00129	0.012	-0.8	-0.9174	none
C3ORF33	0.666	0.5532	4.4762	0.00129	0.012	-0.8	-1.2125	none
ARRDC5	0.538	0.3743	4.4759	0.00129	0.012	-0.8	-1.4116	none
RAB33B	0.702	0.5575	4.4739	0.0013	0.012	-0.8	-0.9391	none
HMX3	0.472	0.3679	4.4738	0.0013	0.012	-0.8	-1.0892	none
VAV1	0.937	0.8186	4.4697	0.00131	0.012	-0.81	-1.4058	none
NRG3	0.484	0.391	4.4689	0.00131	0.012	-0.81	-0.2876	none
ANKRD13	0.799	0.6636	4.4673	0.00131	0.012	-0.81	-1.3673	none
SRL	0.54	0.3823	4.4661	0.00131	0.012	-0.81	-1.3606	none
LIX1L	0.478	0.2773	4.465	0.00132	0.012	-0.81	-1.2886	none
ALDH8A1	0.913	0.6676	4.4634	0.00132	0.012	-0.82	-1.0881	none
LCN15	0.507	0.3598	4.4633	0.00132	0.012	-0.82	-1.1728	none
FOXI3	0.457	0.3113	4.4633	0.00132	0.012	-0.82	-1.4869	none
GNA11	1.361	1.1437	4.4632	0.00132	0.012	-0.82	-0.7652	none
PPP5D1	0.608	0.4537	4.4616	0.00132	0.012	-0.82	-1.0157	none
ISLR2	0.559	0.4049	4.4594	0.00133	0.012	-0.82	-1.0564	none
SYT15	0.923	0.7192	4.4589	0.00133	0.012	-0.82	-1.2581	none
UBXN7	1.021	0.8421	4.4549	0.00134	0.012	-0.83	-1.3857	none
SPINK9	0.465	0.3904	4.4532	0.00134	0.012	-0.83	-0.7572	none
GDF5	0.481	0.3694	4.4499	0.00135	0.012	-0.84	-1.2322	none
NLRP2	0.88	0.8675	4.4489	0.00135	0.012	-0.84	-1.0209	none
FGD4	0.608	0.4733	4.4462	0.00135	0.012	-0.84	-1.2688	none
SV2C	0.429	0.3099	4.4459	0.00135	0.012	-0.84	-1.3938	none

CAMKK2	0.537	0.5181	4.4454	0.00136	0.012	-0.84	-0.2215	none
ZNF394	0.508	0.3707	4.4427	0.00136	0.012	-0.85	-1.5624	OA-related
APOBEC3C	0.744	0.6253	4.4426	0.00136	0.012	-0.85	-1.5233	none
ZNF227	1.063	0.851	4.4425	0.00136	0.012	-0.85	-1.166	none
RABL2A	0.641	0.5952	4.4424	0.00136	0.012	-0.85	-0.6489	none
ZNF774	0.754	0.5806	4.4421	0.00136	0.012	-0.85	-1.0139	none
ORC6	0.609	0.5042	4.442	0.00136	0.012	-0.85	-0.9919	none
SPAG9	1.39	1.2283	4.4415	0.00136	0.012	-0.85	-1.5177	none
MIXL1	0.473	0.3669	4.4413	0.00136	0.012	-0.85	-1.3563	none
CEACAM5	0.593	0.4305	4.4409	0.00136	0.012	-0.85	-0.6663	none
VSIG1	0.656	0.5264	4.4386	0.00137	0.013	-0.85	-1.3155	none
WSB2	0.687	0.4606	4.4379	0.00137	0.013	-0.85	-1.365	none
HAMP	0.74	0.536	4.4371	0.00137	0.013	-0.86	-1.4054	none
CACNB4	0.629	0.4767	4.437	0.00137	0.013	-0.86	-1.6216	OA-related
WDR76	0.58	0.4344	4.4359	0.00138	0.013	-0.86	-1.1236	none
UNC80	0.812	0.6287	4.4356	0.00138	0.013	-0.86	-0.988	none
SHF	0.655	0.4919	4.4335	0.00138	0.013	-0.86	-1.1208	none
B3GALNT2	0.46	0.4155	4.433	0.00138	0.013	-0.86	-0.9373	none
ZNF616	0.915	0.7469	4.4325	0.00138	0.013	-0.86	-1.0722	none
CHAMP1	0.687	0.5759	4.4324	0.00138	0.013	-0.86	-1.1669	none
CHGB	0.846	0.6372	4.432	0.00138	0.013	-0.86	-1.363	none
C12ORF4	0.807	0.7217	4.4311	0.00139	0.013	-0.86	-0.8795	none
PDPK1	0.801	0.6398	4.4306	0.00139	0.013	-0.87	-1.1896	none
TMEM209	1.039	0.8214	4.4294	0.00139	0.013	-0.87	-1.3636	none
CDH7	0.399	0.3132	4.4288	0.00139	0.013	-0.87	-1.2928	none
TMOD2	0.383	0.2619	4.4287	0.00139	0.013	-0.87	-0.5912	none
TMEM41A	0.505	0.3489	4.4283	0.00139	0.013	-0.87	-1.0717	none
C6ORF203	0.634	0.4748	4.4281	0.00139	0.013	-0.87	-1.3736	none
SMG1	0.904	0.8295	4.4276	0.00139	0.013	-0.87	-1.4496	none
ZNF230	0.775	0.5428	4.4275	0.00139	0.013	-0.87	-1.2608	none
FBXL18	0.772	0.6252	4.4272	0.00139	0.013	-0.87	-1.5464	OA-related
NIPA1	0.549	0.4211	4.4266	0.00139	0.013	-0.87	-1.3273	none
CDH10	0.648	0.4934	4.4264	0.0014	0.013	-0.87	-1.3245	none
SLC12A4	0.692	0.5566	4.4257	0.0014	0.013	-0.87	-1.0614	none
XIAP	0.741	0.6425	4.4256	0.0014	0.013	-0.87	-1.038	none
GART	0.403	0.3103	4.4256	0.0014	0.013	-0.87	-0.7357	none
EYA1	0.76	0.5829	4.4256	0.0014	0.013	-0.87	-1.4106	none
FAM193B	0.851	0.7782	4.4249	0.0014	0.013	-0.87	-1.3667	none
MLXIP	0.892	0.7889	4.4248	0.0014	0.013	-0.87	-1.5042	none
GLYR1	0.821	0.7239	4.4246	0.0014	0.013	-0.87	-0.8321	none

ZNF578	0.715	0.5769	4.4244	0.0014	0.013	-0.87	-1.6009	OA-related
G6PC	0.505	0.3959	4.4241	0.0014	0.013	-0.87	-1.3642	none
PHKB	0.869	0.7196	4.4237	0.0014	0.013	-0.88	-1.1139	none
CAMK1D	0.779	0.6136	4.4235	0.0014	0.013	-0.88	-1.4009	none
CNPY1	0.496	0.393	4.423	0.0014	0.013	-0.88	-0.6934	none
DOCK6	0.704	0.5647	4.4225	0.0014	0.013	-0.88	0.19843	none
TOR3A	0.574	0.4156	4.422	0.0014	0.013	-0.88	-1.179	none
KIAA0100	0.803	0.7071	4.4218	0.00141	0.013	-0.88	-1.2817	none
PEAK1	0.992	0.8393	4.4215	0.00141	0.013	-0.88	-1.1349	none
ADCY7	0.793	0.6797	4.4171	0.00142	0.013	-0.89	-1.1946	none
ZNF766	1.178	1.0164	4.4164	0.00142	0.013	-0.89	-1.2114	none
NKIRAS2	0.545	0.398	4.4134	0.00142	0.013	-0.89	-1.2057	none
FUT11	0.695	0.6299	4.4134	0.00142	0.013	-0.89	-1.1543	none
SLIT3	0.447	0.3122	4.4131	0.00142	0.013	-0.89	-1.524	none
SPNS1	0.493	0.3416	4.4129	0.00142	0.013	-0.89	-0.8645	none
RCC1L	0.455	0.368	4.4126	0.00142	0.013	-0.89	-1.0101	none
RTN2	0.811	0.6173	4.4123	0.00143	0.013	-0.89	-0.3808	none
VENTX	0.422	0.3264	4.4118	0.00143	0.013	-0.89	-1.2875	none
CACNA1D	0.669	0.5597	4.4106	0.00143	0.013	-0.9	-1.081	none
HRG	0.939	0.7175	4.4091	0.00143	0.013	-0.9	-1.3232	none
KAT6B	0.785	0.688	4.4081	0.00143	0.013	-0.9	-1.3898	none
LRRC8B	0.483	0.4004	4.4072	0.00144	0.013	-0.9	-0.4317	none
NEK4	1.091	0.9609	4.4064	0.00144	0.013	-0.9	-1.0592	none
TCTA	0.59	0.429	4.4061	0.00144	0.013	-0.9	-1.2492	none
NANOS1	0.492	0.3694	4.405	0.00144	0.013	-0.9	-1.4512	none
FAM53C	0.574	0.4141	4.4049	0.00144	0.013	-0.9	-1.241	none
CRISPLD2	0.498	0.3617	4.4047	0.00144	0.013	-0.9	-1.3748	none
IFT22	0.563	0.3725	4.4047	0.00144	0.013	-0.9	-1.4408	none
HMG20B	0.6	0.4427	4.4045	0.00144	0.013	-0.9	-1.1446	none
SERPINA10	0.475	0.3757	4.4039	0.00144	0.013	-0.91	-1.3135	none
AK3	0.432	0.3245	4.4033	0.00145	0.013	-0.91	0.56581	none
IGFL2	0.461	0.3806	4.4026	0.00145	0.013	-0.91	-0.6477	none
PTGES	0.745	0.5744	4.4004	0.00145	0.013	-0.91	-1.3032	none
ZNF749	0.687	0.6602	4.3999	0.00145	0.013	-0.91	-0.1857	none
SRGAP2	1.2	1.0905	4.3992	0.00145	0.013	-0.91	-1.1301	none
TRIP11	0.74	0.7286	4.3985	0.00146	0.013	-0.91	-1.0284	none
GBP6	0.585	0.4029	4.3978	0.00146	0.013	-0.92	-1.0324	none
STAM2	0.84	0.6785	4.3969	0.00146	0.013	-0.92	-1.3204	none
SECISBP2L	1.123	0.9523	4.3968	0.00146	0.013	-0.92	-1.284	none
TSC2	0.752	0.7128	4.3955	0.00146	0.013	-0.92	-1.0114	none

C14ORF17	1.367	1.1237	4.395	0.00146	0.013	-0.92	-1.0428	none
VKORC1L1	0.533	0.3576	4.3935	0.00147	0.013	-0.92	-1.0594	none
ADAMTS2	0.344	0.263	4.3919	0.00147	0.013	-0.92	-0.2096	none
SCUBE3	0.478	0.3549	4.3918	0.00147	0.013	-0.92	-1.3277	none
CELA2A	0.859	0.6602	4.3915	0.00147	0.013	-0.92	-1.215	none
PIGB	0.812	0.5708	4.3914	0.00147	0.013	-0.92	-1.1006	none
SLC25A16	0.695	0.4616	4.3906	0.00147	0.013	-0.93	-1.1362	none
HDAC4	0.915	0.8195	4.389	0.00148	0.013	-0.93	-0.9895	none
ZNF253	0.729	0.6044	4.3884	0.00148	0.013	-0.93	-0.6026	none
PLK3	0.678	0.5776	4.3864	0.00148	0.013	-0.93	-1.2394	none
SLC6A14	0.36	0.2585	4.3855	0.00148	0.013	-0.93	-1.1807	none
REV3L	1.122	0.9937	4.3854	0.00149	0.013	-0.93	-1.3124	none
REEP2	0.563	0.4981	4.3829	0.00149	0.013	-0.94	-1.2506	none
SOGA1	0.424	0.3559	4.3807	0.0015	0.013	-0.94	-1.3963	none
NLGN4X	0.731	0.5203	4.3806	0.0015	0.013	-0.94	-1.3099	none
NUP43	0.896	0.7642	4.38	0.0015	0.013	-0.94	-1.1921	none
NLN	0.645	0.5517	4.3798	0.0015	0.013	-0.94	-1.0986	none
MGRN1	0.557	0.4653	4.3796	0.0015	0.013	-0.94	-1.078	none
POU5F2	0.466	0.344	4.3796	0.0015	0.013	-0.94	-1.5476	OA-related
ATXN7L1	0.526	0.4098	4.379	0.0015	0.013	-0.94	-0.8804	none
SUN1	0.483	0.4004	4.3789	0.0015	0.013	-0.94	-0.6371	none
ZNF765	0.859	0.7404	4.3786	0.0015	0.013	-0.94	-1.548	OA-related
ZNF669	0.861	0.6922	4.3779	0.0015	0.013	-0.95	-1.5703	OA-related
RFX5	0.597	0.4966	4.3763	0.00151	0.013	-0.95	-1.208	none
OSBPL9	0.516	0.3797	4.3759	0.00151	0.013	-0.95	-0.5673	none
GALNT16	0.497	0.354	4.3743	0.00151	0.013	-0.95	-1.5567	OA-related
C1ORF61	0.677	0.4025	4.3732	0.00151	0.013	-0.95	-1.3859	none
SLC2A4	0.5	0.3657	4.3732	0.00151	0.013	-0.95	-1.1792	none
SDS	0.507	0.4633	4.3723	0.00152	0.013	-0.95	-1.0638	none
TYK2	0.785	0.682	4.3705	0.00152	0.013	-0.96	-1.1798	none
FAM83B	0.478	0.3483	4.3697	0.00152	0.013	-0.96	-1.4169	none
SLC25A40	0.684	0.4959	4.3694	0.00152	0.013	-0.96	-0.3576	none
C1QTNF1	0.612	0.5087	4.3674	0.00153	0.013	-0.96	-1.3012	none
P2RX6	0.672	0.5063	4.3659	0.00153	0.013	-0.96	-1.4347	none
DOC2A	1.027	0.7851	4.3658	0.00153	0.013	-0.96	-1.2344	none
LIPH	0.544	0.4297	4.3649	0.00153	0.013	-0.97	-1.5789	OA-related
EBF2	0.652	0.5102	4.3647	0.00153	0.013	-0.97	-1.284	none
ABHD1	0.677	0.5003	4.3643	0.00153	0.013	-0.97	-1.05	none
MECP2	1.1	0.9874	4.3643	0.00153	0.013	-0.97	-1.2536	none
TBX4	0.614	0.4571	4.3635	0.00154	0.013	-0.97	-1.2251	none

ASPA	0.394	0.2882	4.3625	0.00154	0.013	-0.97	-1.4867	none
OTOA	0.425	0.2945	4.3622	0.00154	0.013	-0.97	-1.2157	none
ZNF131	0.753	0.6003	4.362	0.00154	0.013	-0.97	-1.4593	none
TPH1	0.412	0.3056	4.3616	0.00154	0.013	-0.97	-1.417	none
CFL1	-0.467	-0.3924	-4.361	0.00154	0.013	-0.97	2.69753	AA-related
RAB40B	0.685	0.4313	4.3611	0.00154	0.013	-0.97	-1.0657	none
NUMB	0.647	0.5465	4.3607	0.00154	0.013	-0.97	-0.4546	none
SIN3B	0.844	0.7572	4.3603	0.00154	0.013	-0.97	-1.2493	none
TIMM17A	0.56	0.3663	4.3591	0.00155	0.013	-0.97	-1.3573	none
GUCA1B	0.457	0.3444	4.3582	0.00155	0.013	-0.98	-1.5571	OA-related
PRELID3A	0.813	0.7075	4.3574	0.00155	0.013	-0.98	-1.136	none
TMEM220	0.786	0.5866	4.3568	0.00155	0.013	-0.98	-1.0827	none
SLC4A7	0.461	0.3791	4.3561	0.00155	0.013	-0.98	-0.7544	none
RND1	0.638	0.4833	4.3557	0.00155	0.013	-0.98	-0.8653	none
TMEM17	0.657	0.4983	4.3555	0.00155	0.013	-0.98	-1.3914	none
UNKL	0.61	0.5377	4.3542	0.00156	0.013	-0.98	-1.1414	none
ARHGEF15	0.719	0.5384	4.354	0.00156	0.013	-0.98	-1.2067	none
CCL5	0.675	0.5712	4.3534	0.00156	0.013	-0.98	-1.1018	none
SYCP1	1.276	0.8801	4.3529	0.00156	0.013	-0.98	-0.0128	none
COQ5	0.557	0.3923	4.3528	0.00156	0.013	-0.98	-1.3634	none
NPIPA5	0.627	0.426	4.3527	0.00156	0.013	-0.98	-0.8546	none
CSNK1E	0.695	0.6034	4.3515	0.00156	0.013	-0.99	-1.5227	none
KLHL8	0.497	0.3526	4.3505	0.00157	0.013	-0.99	-1.1994	none
NEDD1	0.651	0.4607	4.35	0.00157	0.013	-0.99	-0.6581	none
ETV5	0.857	0.7437	4.3488	0.00157	0.013	-0.99	-0.7355	none
GMPR	0.7	0.4467	4.3483	0.00157	0.013	-0.99	-1.3819	none
CGN	0.573	0.531	4.3475	0.00157	0.013	-0.99	-0.4312	none
COX6B2	0.664	0.5032	4.3469	0.00158	0.013	-0.99	-1.3129	none
TMPRSS12	0.489	0.3692	4.3466	0.00158	0.013	-0.99	-1.1527	none
SCAF8	1.256	1.1208	4.3458	0.00158	0.013	-0.99	-0.5128	none
KLF17	0.424	0.2973	4.3458	0.00158	0.013	-0.99	-1.0861	none
BANP	0.553	0.5251	4.3457	0.00158	0.013	-0.99	-1.1701	none
TUBGCP6	0.701	0.6319	4.3453	0.00158	0.013	-1	-1.2037	none
KBTBD6	0.578	0.4248	4.3445	0.00158	0.013	-1	-0.8246	none
ASZ1	0.435	0.311	4.3443	0.00158	0.013	-1	-1.0057	none
BCORL1	0.756	0.6085	4.344	0.00158	0.013	-1	-0.8891	none
ACSF2	0.642	0.5315	4.3426	0.00159	0.013	-1	-1.502	none
MTRF1	0.85	0.695	4.3425	0.00159	0.013	-1	-1.0353	none
TNS3	0.797	0.8018	4.3411	0.00159	0.013	-1	-0.4242	none
MIER1	0.627	0.4443	4.3406	0.00159	0.013	-1	-1.3812	none

NUP98	0.792	0.7064	4.3403	0.00159	0.013	-1	-1.3198	none
USP22	0.632	0.5559	4.3391	0.00159	0.013	-1.01	-1.2961	none
GPHN	0.841	0.7425	4.339	0.00159	0.013	-1.01	-1.3502	none
RP1	0.673	0.5069	4.339	0.00159	0.013	-1.01	-1.3397	none
ADRB2	0.363	0.2671	4.3389	0.00159	0.013	-1.01	-1.403	none
OR2T33	0.381	0.2803	4.3386	0.0016	0.013	-1.01	-1.1031	none
MIA3	1.03	0.9091	4.3372	0.0016	0.013	-1.01	-1.1919	none
ARL11	0.459	0.295	4.3369	0.0016	0.013	-1.01	-1.3223	none
PSG5	1.068	0.8022	4.3338	0.00161	0.014	-1.01	-1.2664	none
FFAR2	0.87	0.6343	4.3322	0.00161	0.014	-1.02	-0.9232	none
ZNF200	0.462	0.3411	4.3302	0.00162	0.014	-1.02	-1.4969	none
JKAMP	0.651	0.4073	4.3293	0.00162	0.014	-1.02	-0.9702	none
GRIFIN	-0.37	-0.2384	-4.329	0.00162	0.014	-1.02	1.93287	none
CASC1	0.484	0.2688	4.3279	0.00162	0.014	-1.02	-1.0545	none
TTC38	0.782	0.6018	4.3275	0.00162	0.014	-1.02	-1.1706	none
BLOC1S3	0.723	0.5377	4.3269	0.00162	0.014	-1.02	-1.5821	OA-related
MFAP3	0.725	0.5178	4.3261	0.00163	0.014	-1.02	-1.437	none
MPP4	0.517	0.3654	4.3254	0.00163	0.014	-1.03	-1.0575	none
SORT1	0.692	0.5329	4.3251	0.00163	0.014	-1.03	-1.3786	none
TNFRSF10,	0.589	0.4913	4.3247	0.00163	0.014	-1.03	-1.3398	none
OPA3	0.685	0.6055	4.3246	0.00163	0.014	-1.03	-1.2805	none
STXBP3	0.608	0.4576	4.3234	0.00163	0.014	-1.03	-1.4744	none
MARCKSL1	-0.485	-0.3921	-4.323	0.00163	0.014	-1.03	2.08002	none
NDUFAF6	0.506	0.3548	4.3228	0.00163	0.014	-1.03	-0.7243	none
DSG3	0.364	0.2617	4.3227	0.00163	0.014	-1.03	-1.3104	none
DOK4	0.392	0.3344	4.3226	0.00163	0.014	-1.03	-0.9271	none
USF3	0.854	0.7395	4.32	0.00164	0.014	-1.03	-1.4686	none
KCTD5	-0.566	-0.3923	-4.32	0.00164	0.014	-1.03	1.70968	none
CAD	0.874	0.7661	4.319	0.00164	0.014	-1.04	-1.039	none
ST8SIA6	0.689	0.487	4.319	0.00164	0.014	-1.04	-0.9825	none
TIAF1	0.409	0.3792	4.3183	0.00165	0.014	-1.04	-1.2185	none
HPS4	0.625	0.4727	4.3176	0.00165	0.014	-1.04	-0.9872	none
C16ORF89	0.612	0.4358	4.3174	0.00165	0.014	-1.04	-1.401	none
CXORF38	0.648	0.5697	4.3174	0.00165	0.014	-1.04	-1.2466	none
SPON2	0.664	0.5035	4.3163	0.00165	0.014	-1.04	-0.7007	none
SEMA4B	0.813	0.6601	4.3161	0.00165	0.014	-1.04	-1.2047	none
C16ORF72	0.493	0.3858	4.3156	0.00165	0.014	-1.04	-1.6181	OA-related
ZYG11A	0.69	0.5194	4.3154	0.00165	0.014	-1.04	-1.4285	none
OR2AG1	0.335	0.2467	4.3153	0.00165	0.014	-1.04	-1.3745	none
IKBKB	0.843	0.7568	4.3141	0.00166	0.014	-1.04	-1.4488	none

RFFL	0.528	0.425	4.3139	0.00166	0.014	-1.04	-0.5877	none
SLC6A6	0.633	0.5714	4.3129	0.00166	0.014	-1.05	-0.2178	none
PTK6	0.384	0.255	4.3127	0.00166	0.014	-1.05	-1.3498	none
ASB8	0.357	0.2446	4.3122	0.00166	0.014	-1.05	-1.0017	none
DMBX1	0.542	0.3829	4.3109	0.00166	0.014	-1.05	-1.521	none
TBC1D17	0.673	0.5659	4.3101	0.00167	0.014	-1.05	-1.5045	none
DNAJC24	0.77	0.5949	4.309	0.00167	0.014	-1.05	-1.0679	none
BORCS8	0.687	0.516	4.3086	0.00167	0.014	-1.05	-0.9626	none
VPS37B	0.579	0.4391	4.3085	0.00167	0.014	-1.05	-1.3991	none
PKP2	0.63	0.4899	4.3083	0.00167	0.014	-1.05	-1.1975	none
CTSB	0.554	0.43	4.3083	0.00167	0.014	-1.05	-1.0669	none
ADSSL1	0.575	0.485	4.3069	0.00167	0.014	-1.05	-0.5559	none
TUBD1	0.724	0.5976	4.3036	0.00168	0.014	-1.06	-1.3499	none
CENPO	0.516	0.4152	4.3033	0.00168	0.014	-1.06	0.10423	none
VPS33A	0.52	0.3853	4.3008	0.00169	0.014	-1.06	-1.3144	none
LYRM7	0.795	0.6345	4.3005	0.00169	0.014	-1.06	-0.905	none
LSM11	0.442	0.3418	4.3001	0.00169	0.014	-1.06	-1.6353	OA-related
NATD1	0.543	0.443	4.2996	0.00169	0.014	-1.07	-1.5137	none
ESYT3	0.533	0.3946	4.2994	0.00169	0.014	-1.07	-1.3472	none
AFAP1	0.922	0.7898	4.299	0.0017	0.014	-1.07	-1.0893	none
FOXN3	0.994	0.8335	4.297	0.0017	0.014	-1.07	-1.3109	none
TBC1D20	0.472	0.3394	4.297	0.0017	0.014	-1.07	-1.1479	none
ZNF552	0.718	0.6359	4.2969	0.0017	0.014	-1.07	-1.0286	none
FANCA	0.483	0.4426	4.2965	0.0017	0.014	-1.07	-1.2808	none
CEP126	0.546	0.423	4.2955	0.0017	0.014	-1.07	-1.4301	none
ZSCAN10	0.949	0.7783	4.2952	0.00171	0.014	-1.07	-0.9448	none
TDRD3	0.811	0.6654	4.2946	0.00171	0.014	-1.07	-1.6056	OA-related
ZNF273	0.678	0.5347	4.2946	0.00171	0.014	-1.07	-1.4213	none
TNFSF13	0.57	0.3801	4.2928	0.00171	0.014	-1.08	-0.3231	none
DDHD2	0.542	0.4035	4.2927	0.00171	0.014	-1.08	-0.3117	none
OR4F17	0.595	0.4419	4.2916	0.00171	0.014	-1.08	-1.0919	none
SGPL1	0.54	0.4294	4.2916	0.00171	0.014	-1.08	-1.4327	none
KPNA5	0.526	0.4402	4.2909	0.00172	0.014	-1.08	-0.8968	none
BSND	0.365	0.2581	4.2898	0.00172	0.014	-1.08	-1.4748	none
WDR92	0.468	0.3642	4.2896	0.00172	0.014	-1.08	-1.27	none
GRK7	0.495	0.3775	4.2893	0.00172	0.014	-1.08	-0.8889	none
KANSL1L	0.772	0.5446	4.2887	0.00172	0.014	-1.08	-1.4967	none
ANKRD30E	0.532	0.4056	4.2868	0.00173	0.014	-1.09	-1.1599	none
AP4E1	0.662	0.5808	4.2867	0.00173	0.014	-1.09	-0.929	none
KLK7	0.417	0.3413	4.286	0.00173	0.014	-1.09	-0.3784	none

FGF5	0.417	0.283	4.2856	0.00173	0.014	-1.09	-1.4474	none
HAUS5	0.492	0.433	4.2846	0.00173	0.014	-1.09	-1.363	none
ITFG2	0.529	0.4382	4.2843	0.00173	0.014	-1.09	-0.1522	none
KCNN2	0.688	0.57	4.2839	0.00173	0.014	-1.09	0.0111	none
ZKSCAN1	0.973	0.8734	4.2837	0.00174	0.014	-1.09	-1.263	none
OR2V2	0.435	0.3025	4.2832	0.00174	0.014	-1.09	-1.243	none
OR6K3	0.577	0.4	4.2821	0.00174	0.014	-1.09	-1.565	OA-related
MBTPS1	0.645	0.5628	4.2819	0.00174	0.014	-1.09	-1.3101	none
POU5F1	0.633	0.4837	4.2818	0.00174	0.014	-1.09	-1.3141	none
SOX7	0.406	0.3009	4.2806	0.00174	0.014	-1.1	-1.4824	none
ZCCHC4	0.51	0.3386	4.2797	0.00175	0.014	-1.1	-1.0924	none
ZGRF1	1.106	0.9572	4.2772	0.00175	0.014	-1.1	-1.37	none
DNAJC18	0.543	0.3389	4.2764	0.00176	0.014	-1.1	-1.0921	none
WDR55	0.494	0.3946	4.2747	0.00176	0.014	-1.1	-1.3991	none
NCCRP1	0.537	0.4127	4.2737	0.00176	0.014	-1.11	-1.3112	none
FAAH	0.754	0.6653	4.2721	0.00177	0.014	-1.11	-0.0774	none
PRKCA	1.012	0.9145	4.2701	0.00177	0.014	-1.11	-1.3523	none
KLHDC4	0.688	0.6742	4.2697	0.00177	0.014	-1.11	-1.1048	none
BPNT1	0.604	0.5115	4.2694	0.00177	0.014	-1.11	-0.7169	none
IL17RE	0.617	0.5068	4.269	0.00178	0.014	-1.11	-0.729	none
NOL11	0.594	0.4364	4.2685	0.00178	0.014	-1.11	-1.3891	none
BCAS1	0.505	0.3449	4.2685	0.00178	0.014	-1.11	-0.9021	none
INPP5B	1.006	0.9207	4.2685	0.00178	0.014	-1.11	-1.3373	none
ZNF391	0.48	0.3949	4.2662	0.00178	0.014	-1.12	-0.2355	none
SYMPK	1.179	1.0371	4.2644	0.00179	0.014	-1.12	-1.3012	none
MFAP5	0.515	0.4193	4.2638	0.00179	0.014	-1.12	-1.302	none
CHST1	0.445	0.3027	4.2637	0.00179	0.014	-1.12	-1.316	none
NRG1	0.695	0.496	4.2617	0.0018	0.014	-1.12	-1.3434	none
LILRB5	0.416	0.2886	4.2616	0.0018	0.014	-1.12	-1.3979	none
ATXN2	1.081	0.9904	4.26	0.0018	0.014	-1.13	-1.1058	none
SPRYD4	0.503	0.3377	4.2597	0.0018	0.014	-1.13	-1.3497	none
SNX27	0.806	0.664	4.2595	0.0018	0.014	-1.13	-1.5949	OA-related
PCDHGA8	0.453	0.3325	4.2589	0.0018	0.014	-1.13	-1.2652	none
MCOLN1	0.579	0.4501	4.2584	0.0018	0.014	-1.13	-1.2382	none
EZH1	0.76	0.6856	4.2553	0.00181	0.015	-1.13	-1.3177	none
ZMYM6	0.782	0.6469	4.2549	0.00181	0.015	-1.13	-1.0579	none
QPCTL	0.769	0.6111	4.2544	0.00182	0.015	-1.14	-1.2253	none
CCDC150	0.815	0.6687	4.2543	0.00182	0.015	-1.14	-1.4656	none
NBPF12	0.681	0.6043	4.2535	0.00182	0.015	-1.14	-1.2196	none
RFX2	0.417	0.359	4.2522	0.00182	0.015	-1.14	-0.5434	none



MS4A2	0.513	0.4062	4.2515	0.00182	0.015	-1.14	-1.1069	none
STMND1	0.879	0.7106	4.2512	0.00182	0.015	-1.14	-1.1552	none
MAPK10	0.664	0.5337	4.2507	0.00183	0.015	-1.14	-1.3391	none
NOL9	0.684	0.616	4.2481	0.00183	0.015	-1.15	-1.4277	none
RNF44	0.469	0.3899	4.2476	0.00183	0.015	-1.15	-1.3304	none
NSUN6	0.75	0.6088	4.2465	0.00184	0.015	-1.15	-1.204	none
NELL1	0.585	0.4848	4.2461	0.00184	0.015	-1.15	-1.3707	none
CTCF	0.491	0.3636	4.2456	0.00184	0.015	-1.15	-1.3975	none
ANKRD10	0.646	0.6279	4.2454	0.00184	0.015	-1.15	-1.149	none
PHLPP2	0.535	0.4438	4.2452	0.00184	0.015	-1.15	-1.4796	none
ZC3H12B	0.589	0.4325	4.2446	0.00184	0.015	-1.15	-1.5917	OA-related
TNFRSF17	0.864	0.7284	4.2443	0.00184	0.015	-1.15	-0.5561	none
LRRIQ1	0.622	0.4408	4.2443	0.00184	0.015	-1.15	-1.463	none
RPAP3	0.945	0.7571	4.2414	0.00185	0.015	-1.16	-0.9308	none
DEPDC4	0.524	0.3629	4.2409	0.00185	0.015	-1.16	-1.3773	none
MYOZ3	0.613	0.4522	4.2394	0.00186	0.015	-1.16	-1.3616	none
LDHB	-0.39	-0.3259	-4.239	0.00186	0.015	-1.16	2.31012	AA-related
IMPA2	0.683	0.5097	4.2386	0.00186	0.015	-1.16	-1.3501	none
PARP15	0.573	0.4366	4.2368	0.00187	0.015	-1.16	-1.5241	none
MPPE1	0.677	0.4903	4.2364	0.00187	0.015	-1.16	-1.1145	none
ADAT1	0.679	0.5511	4.2342	0.00187	0.015	-1.17	-1.0088	none
WWOX	0.493	0.4531	4.234	0.00187	0.015	-1.17	-0.1039	none
TRIM6	0.874	0.6481	4.2336	0.00187	0.015	-1.17	-1.0983	none
SLC25A34	0.623	0.4673	4.2331	0.00188	0.015	-1.17	-1.5056	none
OLAH	0.534	0.3296	4.2322	0.00188	0.015	-1.17	-1.2205	none
ZNF627	0.916	0.7085	4.2304	0.00188	0.015	-1.17	-1.5286	none
PIGA	0.631	0.3701	4.2296	0.00189	0.015	-1.17	-0.7923	none
OR10J1	0.574	0.4211	4.2285	0.00189	0.015	-1.18	-1.626	OA-related
PON2	0.598	0.3962	4.2282	0.00189	0.015	-1.18	-0.9313	none
WDR97	0.383	0.2915	4.2273	0.00189	0.015	-1.18	-1.2774	none
NYAP2	0.419	0.3053	4.2264	0.0019	0.015	-1.18	-1.5313	none
MICALL1	0.681	0.6393	4.2252	0.0019	0.015	-1.18	-1.1781	none
OR10A2	0.468	0.349	4.2247	0.0019	0.015	-1.18	-1.4019	none
PFAS	0.813	0.7372	4.2236	0.0019	0.015	-1.18	-1.3485	none
TMEM116	0.665	0.4122	4.2229	0.00191	0.015	-1.18	-0.821	none
CCDC113	0.721	0.5859	4.2222	0.00191	0.015	-1.19	-1.1005	none
CD209	0.452	0.3084	4.2215	0.00191	0.015	-1.19	-1.117	none
TRIM7	0.436	0.3059	4.2199	0.00192	0.015	-1.19	-1.191	none
NAT10	0.691	0.6126	4.2184	0.00192	0.015	-1.19	-1.2801	none
RTTN	0.459	0.3626	4.2138	0.00193	0.015	-1.2	-1.2823	none

CLN6	0.462	0.353	4.2121	0.00194	0.015	-1.2	-0.6074	none
ARSB	0.429	0.377	4.2119	0.00194	0.015	-1.2	-1.5503	OA-related
TMCC3	0.916	0.7032	4.2114	0.00194	0.015	-1.2	-0.9608	none
ZC3H6	0.545	0.4381	4.211	0.00194	0.015	-1.2	-1.2762	none
GSS	0.506	0.3829	4.2103	0.00194	0.015	-1.2	-1.244	none
ACADL	0.581	0.4592	4.21	0.00194	0.015	-1.2	-1.5143	none
AKIRIN1	0.41	0.313	4.2098	0.00195	0.015	-1.2	0.71305	none
SLC30A5	0.722	0.4768	4.2089	0.00195	0.015	-1.21	-1.1201	none
NBPF15	0.722	0.6728	4.206	0.00196	0.015	-1.21	-0.9146	none
SIN3A	1.006	0.7992	4.2047	0.00196	0.015	-1.21	-0.7985	none
TFRC	0.649	0.4953	4.2013	0.00197	0.015	-1.22	-1.4186	none
PLEKHM3	0.514	0.4463	4.2005	0.00197	0.015	-1.22	-1.4007	none
DGKD	0.647	0.5482	4.2003	0.00197	0.015	-1.22	-1.3468	none
HMG20A	0.732	0.5124	4.1957	0.00199	0.015	-1.23	-1.2012	none
TRAF5	0.454	0.391	4.1953	0.00199	0.015	-1.23	-0.4914	none
BCL2L15	0.59	0.3735	4.1952	0.00199	0.015	-1.23	-1.2494	none
NFAM1	0.496	0.3664	4.1946	0.00199	0.015	-1.23	-1.2083	none
SHPK	0.389	0.3174	4.1923	0.002	0.016	-1.23	-0.5754	none
NUSAP1	0.78	0.6738	4.1916	0.002	0.016	-1.23	-1.3969	none
SYP	0.485	0.3293	4.1916	0.002	0.016	-1.23	-1.3765	none
CAMK1	0.577	0.4233	4.1908	0.002	0.016	-1.23	-1.2319	none
EXD2	0.642	0.4464	4.1905	0.002	0.016	-1.23	-1.1149	none
ELMSAN1	0.856	0.772	4.1904	0.002	0.016	-1.23	-1.4041	none
FAM110D	0.582	0.4375	4.1902	0.00201	0.016	-1.24	-1.3338	none
COL15A1	0.719	0.5597	4.1897	0.00201	0.016	-1.24	-0.9051	none
MTX3	0.565	0.448	4.189	0.00201	0.016	-1.24	-1.6195	OA-related
MCM9	0.616	0.5753	4.1881	0.00201	0.016	-1.24	-0.4845	none
TRMT10B	0.639	0.4762	4.1866	0.00202	0.016	-1.24	-1.3213	none
TDGF1	0.673	0.4701	4.1852	0.00202	0.016	-1.24	-1.3216	none
HELZ2	0.894	0.764	4.1847	0.00202	0.016	-1.24	-1.1149	none
PHGDH	0.688	0.5548	4.1845	0.00202	0.016	-1.24	-1.3175	none
EBPL	0.878	0.5975	4.1839	0.00203	0.016	-1.24	-0.9983	none
AUTS2	0.642	0.5048	4.1838	0.00203	0.016	-1.24	-1.4427	none
GSTO2	0.658	0.5208	4.1835	0.00203	0.016	-1.25	-1.4851	none
SIDT2	0.687	0.5376	4.1826	0.00203	0.016	-1.25	-1.4182	none
MIOX	0.5	0.3855	4.1825	0.00203	0.016	-1.25	-1.0021	none
DCTN5	0.497	0.3194	4.1813	0.00203	0.016	-1.25	-1.2691	none
PHACTR4	1.019	0.9454	4.1802	0.00204	0.016	-1.25	-1.4054	none
FRMD4A	0.827	0.7166	4.1798	0.00204	0.016	-1.25	-1.2884	none
SLC29A2	0.354	0.3087	4.1797	0.00204	0.016	-1.25	-0.1362	none

ARL10	0.571	0.5075	4.1795	0.00204	0.016	-1.25	-1.4995	none
SLC7A6	0.569	0.4193	4.1795	0.00204	0.016	-1.25	-1.2794	none
LAMB1	0.652	0.593	4.1785	0.00204	0.016	-1.25	-0.7913	none
CFHR2	0.586	0.4406	4.1782	0.00204	0.016	-1.25	-1.3486	none
KIAA0895	0.569	0.3524	4.1775	0.00205	0.016	-1.25	-0.8264	none
ZNF26	0.586	0.5046	4.1769	0.00205	0.016	-1.26	-1.0285	none
SGK2	0.75	0.5852	4.1753	0.00205	0.016	-1.26	-0.8559	none
MICAL2	0.671	0.5886	4.1738	0.00206	0.016	-1.26	-1.2877	none
ARRB1	0.629	0.4588	4.1735	0.00206	0.016	-1.26	-1.4421	none
LIN9	-0.473	-0.3949	-4.173	0.00206	0.016	-1.26	2.61752	AA-related
GID4	0.648	0.4681	4.1713	0.00207	0.016	-1.26	-1.1722	none
RPRD1B	0.792	0.5884	4.1695	0.00207	0.016	-1.27	-0.9473	none
DYRK3	0.423	0.3369	4.1679	0.00208	0.016	-1.27	-1.17	none
DRC3	1.178	1.0512	4.1674	0.00208	0.016	-1.27	-0.9742	none
SGPP2	0.419	0.3612	4.1666	0.00208	0.016	-1.27	-1.1778	none
ZKSCAN4	0.386	0.2796	4.165	0.00209	0.016	-1.27	-0.8611	none
FEM1A	0.734	0.6384	4.1648	0.00209	0.016	-1.27	-1.2268	none
VWA5B1	0.59	0.4346	4.1643	0.00209	0.016	-1.28	-1.2627	none
FAM161B	0.548	0.4258	4.1639	0.00209	0.016	-1.28	-1.483	none
C17ORF99	0.743	0.5385	4.1636	0.00209	0.016	-1.28	-0.7287	none
TLL7	0.615	0.3607	4.1621	0.0021	0.016	-1.28	-1.0054	none
PLD6	0.63	0.5032	4.1608	0.0021	0.016	-1.28	-1.1268	none
TTC22	0.519	0.439	4.1599	0.0021	0.016	-1.28	-0.5319	none
ZNF808	0.924	0.7999	4.1598	0.0021	0.016	-1.28	-1.4802	none
TMEM108	0.433	0.3132	4.1583	0.00211	0.016	-1.28	-1.4601	none
PPP1R3G	0.369	0.2972	4.1572	0.00211	0.016	-1.29	-1.1548	none
ITIH1	1.069	0.8489	4.1569	0.00211	0.016	-1.29	-1.0152	none
ZNF117	0.498	0.3819	4.1568	0.00211	0.016	-1.29	-1.3834	none
C1ORF122	-0.692	-0.5093	-4.154	0.00212	0.016	-1.29	2.14833	AA-related
OTUD6A	0.694	0.5254	4.1521	0.00213	0.016	-1.29	-1.2861	none
SLC47A2	0.527	0.3726	4.1517	0.00213	0.016	-1.3	-1.2256	none
HDAC9	0.855	0.7055	4.1496	0.00214	0.016	-1.3	-0.836	none
COLEC12	0.762	0.5673	4.1494	0.00214	0.016	-1.3	-1.2549	none
STRN3	0.922	0.7727	4.1486	0.00214	0.016	-1.3	-1.415	none
NPHP3	0.832	0.7917	4.1473	0.00214	0.016	-1.3	-1.0518	none
ALG14	0.74	0.57	4.1466	0.00215	0.016	-1.3	-0.5459	none
SLCO1A2	0.671	0.4637	4.1462	0.00215	0.016	-1.3	-1.1275	none
ZNF445	0.63	0.537	4.1447	0.00215	0.016	-1.31	-1.4713	none
ACAD10	0.855	0.7153	4.1444	0.00215	0.016	-1.31	-1.1283	none
TMEM169	0.314	0.137	4.1435	0.00216	0.016	-1.31	0.04085	none

RAB3B	0.386	0.2725	4.1396	0.00217	0.016	-1.31	-1.5992	OA-related
FLYWCH1	0.724	0.5856	4.1385	0.00217	0.016	-1.32	-1.5733	OA-related
LDB3	0.582	0.4508	4.1382	0.00217	0.016	-1.32	-1.1742	none
PLEKHH3	0.489	0.3088	4.1365	0.00218	0.016	-1.32	-1.1871	none
BTN3A1	0.631	0.5418	4.1362	0.00218	0.016	-1.32	-0.9962	none
SLC25A41	0.558	0.423	4.1356	0.00218	0.016	-1.32	-1.11	none
HYLS1	0.492	0.3584	4.1338	0.00219	0.016	-1.32	-0.7651	none
SYNPO2L	0.527	0.4027	4.1321	0.0022	0.017	-1.33	-1.2704	none
KLK11	0.613	0.4654	4.1309	0.0022	0.017	-1.33	-0.5542	none
ALDH2	0.587	0.4136	4.1308	0.0022	0.017	-1.33	-1.5232	none
GNG4	0.564	0.4482	4.1305	0.0022	0.017	-1.33	-1.2373	none
LZTFL1	0.658	0.4639	4.1298	0.0022	0.017	-1.33	-0.8686	none
ZNF493	0.715	0.594	4.1294	0.0022	0.017	-1.33	-1.195	none
LARS2	0.842	0.7539	4.1294	0.0022	0.017	-1.33	-0.8157	none
LRRC37B	0.793	0.6987	4.1282	0.00221	0.017	-1.33	-1.2086	none
SENP1	0.553	0.4428	4.1267	0.00221	0.017	-1.33	-1.0336	none
DEGS1	0.414	0.264	4.1259	0.00222	0.017	-1.34	-0.2188	none
ASB16	0.473	0.4158	4.1258	0.00222	0.017	-1.34	-0.6893	none
ANKRD45	0.74	0.5562	4.1256	0.00222	0.017	-1.34	-1.5698	OA-related
ZNF584	0.632	0.4888	4.1254	0.00222	0.017	-1.34	-1.3237	none
MKRN1	0.712	0.5214	4.1254	0.00222	0.017	-1.34	-1.3612	none
CYB5RL	0.646	0.5164	4.1253	0.00222	0.017	-1.34	-1.3666	none
RNFT2	0.484	0.3595	4.1245	0.00222	0.017	-1.34	-1.3443	none
SMUG1	0.771	0.5165	4.1235	0.00222	0.017	-1.34	-1.2316	none
RAB3D	0.425	0.2794	4.1232	0.00223	0.017	-1.34	-1.4484	none
BICDL2	0.403	0.3071	4.1226	0.00223	0.017	-1.34	-0.9282	none
TMEM170	0.369	0.2439	4.1224	0.00223	0.017	-1.34	-0.8024	none
TNS2	0.78	0.6288	4.1214	0.00223	0.017	-1.34	-1.0613	none
SIM2	0.679	0.4822	4.1204	0.00224	0.017	-1.34	-1.1264	none
NRIP3	0.59	0.4804	4.1202	0.00224	0.017	-1.34	-1.1111	none
PLD1	0.844	0.733	4.119	0.00224	0.017	-1.35	-0.9328	none
SENP8	0.492	0.3277	4.117	0.00225	0.017	-1.35	-0.954	none
BICDL1	0.917	0.8473	4.1168	0.00225	0.017	-1.35	-1.3983	none
ZNF550	0.637	0.6137	4.1145	0.00226	0.017	-1.35	-0.6518	none
ZNF589	0.82	0.7683	4.1119	0.00227	0.017	-1.36	-0.8963	none
DNAJC5B	0.572	0.4308	4.1118	0.00227	0.017	-1.36	-1.2319	none
OR6C75	0.64	0.4538	4.1115	0.00227	0.017	-1.36	-1.4302	none
GTF2H3	0.509	0.3276	4.1086	0.00228	0.017	-1.36	-0.6309	none
ACADVL	0.447	0.4829	4.1079	0.00228	0.017	-1.36	0.95719	none
SIPA1	0.827	0.7739	4.1072	0.00228	0.017	-1.36	-1.1294	none

DNAL1	0.578	0.4434	4.1049	0.00229	0.017	-1.37	-1.2422	none
SHCBP1L	0.737	0.5757	4.1034	0.0023	0.017	-1.37	-0.7725	none
UBA7	0.433	0.3796	4.1025	0.0023	0.017	-1.37	-0.4962	none
RPS6KA5	0.618	0.4856	4.1023	0.0023	0.017	-1.37	-1.4375	none
LYRM4	0.565	0.3193	4.1004	0.00231	0.017	-1.38	-1.0806	none
GCC1	0.97	0.8347	4.0993	0.00231	0.017	-1.38	-1.1532	none
GIN54	0.874	0.7122	4.0986	0.00231	0.017	-1.38	-1.2552	none
POLR2J2	0.623	0.487	4.0983	0.00231	0.017	-1.38	-1.1566	none
ATG2A	0.702	0.6532	4.0972	0.00232	0.017	-1.38	-0.8216	none
C6ORF163	0.514	0.3942	4.0969	0.00232	0.017	-1.38	-0.6594	none
DHCR24	0.466	0.4481	4.0952	0.00233	0.017	-1.38	0.10868	none
ATXN1	0.489	0.3389	4.0948	0.00233	0.017	-1.38	-1.4672	none
MROH7	0.859	0.6431	4.0948	0.00233	0.017	-1.38	-1.1523	none
TMEM181	0.488	0.3904	4.0942	0.00233	0.017	-1.38	-1.1653	none
KCNB1	0.665	0.5447	4.0941	0.00233	0.017	-1.39	-1.304	none
BMPER	0.687	0.4852	4.0932	0.00233	0.017	-1.39	-0.9048	none
PRAP1	0.645	0.4516	4.0925	0.00234	0.017	-1.39	-1.376	none
PTGIR	0.516	0.4368	4.0924	0.00234	0.017	-1.39	-1.1696	none
PCYT1B	0.387	0.2481	4.0923	0.00234	0.017	-1.39	-1.3435	none
NPIP4	1.175	1.0689	4.0921	0.00234	0.017	-1.39	-1.1832	none
ATP6V0D2	0.871	0.7337	4.0915	0.00234	0.017	-1.39	-0.9713	none
RUNDC1	0.685	0.571	4.0914	0.00234	0.017	-1.39	-1.507	none
SPECC1L-A	0.528	0.4261	4.0913	0.00234	0.017	-1.39	-0.5122	none
MCF2L2	0.58	0.471	4.0905	0.00234	0.017	-1.39	-0.9033	none
GPAT3	-0.501	-0.3865	-4.09	0.00234	0.017	-1.39	1.92547	none
ARL5C	0.96	0.7566	4.09	0.00234	0.017	-1.39	-0.9406	none
KCNH1	0.606	0.4046	4.09	0.00234	0.017	-1.39	-1.378	none
TMEM182	0.657	0.5147	4.089	0.00235	0.017	-1.39	-0.7098	none
BTBD7	0.706	0.5671	4.088	0.00235	0.017	-1.39	-1.2718	none
FAM98C	0.976	0.7833	4.0871	0.00236	0.017	-1.4	-0.8992	none
FKBP14	0.628	0.5834	4.0864	0.00236	0.017	-1.4	-1.1544	none
DNAH9	0.626	0.4389	4.0859	0.00236	0.017	-1.4	-0.6148	none
PNPLA1	0.47	0.3596	4.0855	0.00236	0.017	-1.4	-1.1332	none
IRGM	0.474	0.3884	4.0851	0.00236	0.017	-1.4	-1.1869	none
CCDC88C	0.528	0.4497	4.0848	0.00236	0.017	-1.4	-1.2932	none
CFTR	1.111	0.8367	4.0836	0.00237	0.017	-1.4	-0.6858	none
SEC31A	0.647	0.5282	4.0835	0.00237	0.017	-1.4	-1.472	none
OR4P4	0.478	0.3661	4.0817	0.00238	0.017	-1.4	-1.0228	none
NAPB	0.469	0.3142	4.081	0.00238	0.017	-1.41	0.13869	none
ITGAD	0.736	0.5122	4.0798	0.00238	0.017	-1.41	-1.1332	none

HSPBAP1	0.462	0.3808	4.0798	0.00238	0.017	-1.41	-1.0149	none
HSD17B1	0.495	0.4478	4.0781	0.00239	0.017	-1.41	-0.2404	none
ATF7	0.637	0.4781	4.0781	0.00239	0.017	-1.41	-1.4165	none
XPO5	0.531	0.4646	4.0778	0.00239	0.017	-1.41	-1.2212	none
C22ORF39	0.364	0.295	4.0765	0.00239	0.017	-1.41	-0.149	none
PAX8	0.667	0.5535	4.0747	0.0024	0.017	-1.42	-0.4725	none
ZMYM1	0.768	0.6445	4.0741	0.0024	0.017	-1.42	-0.9251	none
SLC14A2	0.32	0.2352	4.0718	0.00241	0.018	-1.42	-1.4999	none
NCMAP	0.504	0.3513	4.0709	0.00242	0.018	-1.42	-1.45	none
CHRA1	0.416	0.2844	4.0694	0.00242	0.018	-1.42	-0.7989	none
ACADSB	0.548	0.4126	4.0682	0.00243	0.018	-1.43	-0.4381	none
MTMR12	0.401	0.3202	4.0673	0.00243	0.018	-1.43	-0.5898	none
RASGRP4	0.711	0.6114	4.066	0.00243	0.018	-1.43	-1.2334	none
FAM161A	0.582	0.5186	4.0648	0.00244	0.018	-1.43	-1.1875	none
L3MBTL2	0.615	0.5194	4.0646	0.00244	0.018	-1.43	-1.1699	none
HIVEP2	1.174	1.1145	4.0644	0.00244	0.018	-1.43	-1.2957	none
IQSEC2	0.66	0.525	4.063	0.00245	0.018	-1.43	-0.8781	none
FSIP2	0.372	0.2977	4.0618	0.00245	0.018	-1.44	-0.975	none
DECR2	0.637	0.4332	4.059	0.00246	0.018	-1.44	-0.9697	none
RASL10A	-0.467	-0.328	-4.056	0.00247	0.018	-1.44	0.87494	none
FOXJ2	0.663	0.571	4.0555	0.00247	0.018	-1.45	-1.481	none
PITPNM2	0.628	0.5423	4.0551	0.00248	0.018	-1.45	-1.2024	none
CNDP1	0.957	0.8203	4.0551	0.00248	0.018	-1.45	-0.97	none
CCDC163	0.622	0.4186	4.0546	0.00248	0.018	-1.45	-1.108	none
NRIP2	0.636	0.4676	4.054	0.00248	0.018	-1.45	-1.194	none
SLC35E4	0.353	0.2759	4.0538	0.00248	0.018	-1.45	-0.5296	none
COL28A1	0.66	0.4937	4.0519	0.00249	0.018	-1.45	-0.2794	none
FAM129A	1.172	1.054	4.0517	0.00249	0.018	-1.45	-1.355	none
C9ORF3	0.436	0.328	4.0504	0.00249	0.018	-1.45	-1.0935	none
MELK	0.522	0.3596	4.0501	0.0025	0.018	-1.45	-1.2785	none
ZNRF1	0.87	0.6524	4.0501	0.0025	0.018	-1.45	-1.3278	none
RNF103	0.415	0.2845	4.0493	0.0025	0.018	-1.46	-0.7878	none
GTF2IRD1	0.62	0.4639	4.0479	0.0025	0.018	-1.46	-1.3235	none
SLC16A12	0.723	0.5196	4.0476	0.00251	0.018	-1.46	-1.4727	none
ATPAF2	0.483	0.3777	4.0472	0.00251	0.018	-1.46	-1.1756	none
HBP1	0.508	0.3089	4.046	0.00251	0.018	-1.46	-0.7362	none
L1TD1	0.372	0.2796	4.0451	0.00252	0.018	-1.46	-1.5689	OA-related
CASC3	0.709	0.6454	4.0449	0.00252	0.018	-1.46	-1.2838	none
MTHFD1	0.76	0.6584	4.0422	0.00253	0.018	-1.47	-0.9694	none
NUB1	0.671	0.5083	4.0419	0.00253	0.018	-1.47	-1.3721	none

LIX1	0.356	0.2595	4.0416	0.00253	0.018	-1.47	-0.8244	none
RPH3A	0.656	0.5838	4.041	0.00253	0.018	-1.47	-1.052	none
KLHL2	0.678	0.4895	4.0397	0.00254	0.018	-1.47	-1.2642	none
DACH2	0.448	0.3436	4.0376	0.00255	0.018	-1.47	-1.5283	none
CFAP69	0.543	0.4345	4.0374	0.00255	0.018	-1.47	-1.2465	none
SRGAP1	0.428	0.2854	4.0366	0.00255	0.018	-1.48	-1.2678	none
FRMD8	0.422	0.3124	4.0364	0.00255	0.018	-1.48	0.03394	none
CPT1A	0.829	0.8463	4.0364	0.00255	0.018	-1.48	-1.0394	none
SLC9A7	0.458	0.3628	4.0356	0.00255	0.018	-1.48	-1.0238	none
RBP7	0.675	0.5146	4.0336	0.00256	0.018	-1.48	-1.2369	none
PLPP3	0.461	0.333	4.0328	0.00256	0.018	-1.48	-0.9746	none
KCNRG	0.53	0.4773	4.0325	0.00257	0.018	-1.48	-0.8662	none
ARNTL2	0.542	0.4706	4.0324	0.00257	0.018	-1.48	-1.2249	none
CEP170	1.067	1.025	4.0324	0.00257	0.018	-1.48	-0.8846	none
XKR6	0.579	0.4369	4.0322	0.00257	0.018	-1.48	-0.5378	none
GAPVD1	0.975	0.8505	4.0317	0.00257	0.018	-1.48	-1.0299	none
LRRC69	0.961	0.7149	4.0299	0.00258	0.018	-1.49	-1.2092	none
SLC25A37	0.444	0.335	4.0289	0.00258	0.018	-1.49	-1.3044	none
XAF1	0.529	0.4881	4.0287	0.00258	0.018	-1.49	-0.6568	none
TBCK	0.414	0.304	4.0285	0.00258	0.018	-1.49	-0.9563	none
FERMT2	0.521	0.4233	4.0284	0.00258	0.018	-1.49	-1.3814	none
PRR16	0.414	0.2803	4.0277	0.00259	0.018	-1.49	-1.2497	none
SULT2B1	0.536	0.4263	4.0256	0.00259	0.018	-1.49	-1.1178	none
PRDM7	0.674	0.5367	4.0256	0.00259	0.018	-1.49	-1.06	none
CATSPERD	0.47	0.3822	4.0249	0.0026	0.018	-1.49	-0.7721	none
DDX19A	0.906	0.8619	4.0241	0.0026	0.018	-1.5	-1.0405	none
CLIP1	1.125	1.0947	4.0235	0.0026	0.018	-1.5	-1.1731	none
PRND	0.539	0.3947	4.022	0.00261	0.018	-1.5	-1.3276	none
LMNTD1	0.831	0.6257	4.0219	0.00261	0.018	-1.5	-1.0455	none
PNPT1	0.583	0.4847	4.0217	0.00261	0.018	-1.5	-0.9214	none
TNFAIP8L1	0.61	0.5434	4.0214	0.00261	0.018	-1.5	-1.3843	none
PLEKHM1	0.702	0.5482	4.0199	0.00262	0.019	-1.5	-0.9638	none
XAGE5	0.562	0.4465	4.0194	0.00262	0.019	-1.5	-1.328	none
INTS4	0.524	0.3995	4.0188	0.00262	0.019	-1.5	-1.2267	none
UNC79	0.389	0.2709	4.0181	0.00262	0.019	-1.5	-1.3364	none
MIA2	0.801	0.6571	4.0181	0.00262	0.019	-1.5	-1.3109	none
NIPSNAP1	0.473	0.37	4.0169	0.00263	0.019	-1.51	-1.2455	none
SLCO2A1	0.342	0.2848	4.0168	0.00263	0.019	-1.51	-1.4692	none
FGF11	0.574	0.4331	4.0162	0.00263	0.019	-1.51	-1.4022	none
NUP88	0.509	0.324	4.0152	0.00264	0.019	-1.51	-1.322	none

RAF1	0.457	0.3858	4.0143	0.00264	0.019	-1.51	-0.6929	none
POLG2	0.616	0.4887	4.0134	0.00264	0.019	-1.51	-1.1974	none
MRI1	0.634	0.535	4.013	0.00265	0.019	-1.51	-0.5573	none
SCN9A	0.392	0.2715	4.0122	0.00265	0.019	-1.51	-1.3823	none
FKTN	0.638	0.44	4.0048	0.00268	0.019	-1.53	-0.2744	none
ODF2L	0.423	0.2573	4.0037	0.00269	0.019	-1.53	-1.2459	none
PDP2	0.762	0.6344	4.0005	0.0027	0.019	-1.53	-0.4195	none
SNRNP35	0.652	0.5113	3.9991	0.0027	0.019	-1.53	-1.3883	none
SULT1C4	0.493	0.3941	3.9991	0.0027	0.019	-1.53	-1.4606	none
ANXA4	0.453	0.3327	3.9976	0.00271	0.019	-1.54	-0.0791	none
RASSF9	0.525	0.3673	3.9973	0.00271	0.019	-1.54	-1.3915	none
ADGRF1	0.558	0.4302	3.9967	0.00272	0.019	-1.54	-1.47	none
ARPC3	-0.45	-0.4154	-3.996	0.00272	0.019	-1.54	2.12672	AA-related
AZIN2	0.534	0.4015	3.9954	0.00272	0.019	-1.54	-0.89	none
MOV10L1	0.584	0.4423	3.9945	0.00272	0.019	-1.54	-1.5099	none
DCC	1.004	0.8201	3.9938	0.00273	0.019	-1.54	-1.0399	none
FAM216A	0.423	0.3144	3.992	0.00274	0.019	-1.55	-1.0998	none
GIPC1	0.696	0.5165	3.9918	0.00274	0.019	-1.55	-0.8392	none
NLRC5	0.756	0.6649	3.9915	0.00274	0.019	-1.55	-1.4257	none
CCL15	0.777	0.6507	3.9911	0.00274	0.019	-1.55	-0.5215	none
POGZ	0.836	0.7178	3.99	0.00274	0.019	-1.55	-1.1856	none
SCFD1	0.494	0.3175	3.9898	0.00274	0.019	-1.55	-1.2351	none
RUFY4	0.608	0.4883	3.9884	0.00275	0.019	-1.55	-0.3688	none
RBM48	0.421	0.3565	3.9864	0.00276	0.019	-1.55	-1.1686	none
ARID1A	1.108	1.0597	3.9861	0.00276	0.019	-1.56	-1.185	none
DLK2	0.57	0.4131	3.986	0.00276	0.019	-1.56	-1.1985	none
FBXL12	0.555	0.4338	3.9858	0.00276	0.019	-1.56	-1.2874	none
FNTA	0.567	0.3846	3.9844	0.00277	0.019	-1.56	-1.139	none
ZNF568	0.659	0.4825	3.9837	0.00277	0.019	-1.56	-1.6447	OA-related
SRRD	0.728	0.5494	3.9835	0.00277	0.019	-1.56	-1.244	none
NUBPL	0.636	0.4644	3.9832	0.00277	0.019	-1.56	-1.1128	none
CREG1	0.46	0.3857	3.9831	0.00277	0.019	-1.56	0.89919	none
MAML1	0.804	0.7669	3.982	0.00278	0.019	-1.56	-1.2727	none
AEBP2	1.137	1.0185	3.9811	0.00278	0.019	-1.56	-1.4146	none
ENDOV	0.668	0.478	3.9806	0.00278	0.019	-1.56	-0.9402	none
DUSP19	0.471	0.3179	3.9792	0.00279	0.019	-1.57	-0.9387	none
KBTBD12	0.519	0.382	3.979	0.00279	0.019	-1.57	-1.3046	none
KCNJ14	0.401	0.3299	3.9786	0.00279	0.019	-1.57	-1.4494	none
ANKMY1	0.654	0.6037	3.9762	0.0028	0.019	-1.57	-0.3273	none
MAST1	0.688	0.5335	3.9741	0.00281	0.02	-1.57	-1.4047	none



MRO	0.444	0.3439	3.9732	0.00282	0.02	-1.58	-0.852	none
WDR83	0.645	0.5663	3.9729	0.00282	0.02	-1.58	-1.5492	OA-related
KIAA0319I	0.747	0.6727	3.9716	0.00282	0.02	-1.58	-1.3111	none
ZNF528	0.989	0.8461	3.9707	0.00283	0.02	-1.58	-1.0365	none
GDF5OS	0.584	0.4559	3.9703	0.00283	0.02	-1.58	-0.9089	none
CACNB3	0.51	0.4054	3.9702	0.00283	0.02	-1.58	-1.0168	none
WDR19	0.45	0.3794	3.9693	0.00284	0.02	-1.58	-1.0107	none
ZNF19	0.57	0.4091	3.9691	0.00284	0.02	-1.58	-1.2913	none
RORB	0.416	0.3098	3.969	0.00284	0.02	-1.58	-1.4028	none
SLIT1	0.947	0.6662	3.9682	0.00284	0.02	-1.58	-0.9946	none
SNCAIP	1.144	0.9677	3.9677	0.00284	0.02	-1.58	-0.7448	none
GAPDH	-0.483	-0.4037	-3.967	0.00284	0.02	-1.58	2.03704	none
CCDC33	-0.444	-0.438	-3.967	0.00284	0.02	-1.58	1.06481	none
USP39	0.356	0.2525	3.965	0.00285	0.02	-1.59	-1.0528	none
PIAS4	0.612	0.5728	3.965	0.00285	0.02	-1.59	-0.8623	none
METTL21A	0.517	0.3551	3.9637	0.00286	0.02	-1.59	-0.6104	none
PABPC4	0.65	0.5575	3.9621	0.00287	0.02	-1.59	-0.8744	none
RBM12B	0.475	0.4572	3.962	0.00287	0.02	-1.59	-0.0548	none
ATAD2B	0.739	0.6004	3.9612	0.00287	0.02	-1.59	-1.2167	none
HMBOX1	0.851	0.717	3.9609	0.00287	0.02	-1.59	-0.9457	none
ZER1	0.521	0.4481	3.9599	0.00288	0.02	-1.6	-0.0086	none
ALG1L	0.928	0.7503	3.9597	0.00288	0.02	-1.6	-1.2288	none
TPSB2	0.587	0.4186	3.9591	0.00288	0.02	-1.6	-0.5367	none
SUMO4	0.471	0.3144	3.9591	0.00288	0.02	-1.6	-0.6061	none
OR8D4	0.421	0.3248	3.9578	0.00289	0.02	-1.6	-1.0899	none
SLC12A9	0.739	0.5987	3.9577	0.00289	0.02	-1.6	-0.9775	none
GK5	0.61	0.3857	3.9577	0.00289	0.02	-1.6	-0.8548	none
GON4L	0.692	0.5938	3.9573	0.00289	0.02	-1.6	-1.4548	none
TMOD4	0.909	0.7281	3.9567	0.00289	0.02	-1.6	-0.9547	none
PPP2R3A	0.797	0.6298	3.9551	0.0029	0.02	-1.6	-1.1822	none
FBXL13	0.567	0.3901	3.955	0.0029	0.02	-1.6	-1.0897	none
TSACC	0.504	0.3793	3.9535	0.00291	0.02	-1.61	-0.0703	none
PIAS1	0.416	0.3138	3.9529	0.00291	0.02	-1.61	-0.2787	none
GPRC5A	0.484	0.3415	3.9527	0.00291	0.02	-1.61	-1.169	none
SLC22A9	0.591	0.456	3.9518	0.00292	0.02	-1.61	-1.3691	none
OPN3	0.614	0.4218	3.9503	0.00292	0.02	-1.61	-1.0541	none
PINLYP	0.557	0.4359	3.9501	0.00292	0.02	-1.61	-0.8096	none
TKFC	0.5	0.4153	3.9498	0.00292	0.02	-1.61	-0.9636	none
RIOK3	0.647	0.5152	3.9493	0.00293	0.02	-1.61	-0.9531	none
ENG	0.791	0.6646	3.9485	0.00293	0.02	-1.61	-1.1497	none

TOX4	0.491	0.372	3.948	0.00293	0.02	-1.62	-0.7086	none
ARID2	1.035	0.9144	3.9479	0.00293	0.02	-1.62	-1.2562	none
STMN1	-0.559	-0.5034	-3.946	0.00294	0.02	-1.62	2.26644	AA-related
CCZ1B	0.861	0.7125	3.945	0.00295	0.02	-1.62	-1.5591	OA-related
FOXM1	0.844	0.7284	3.9448	0.00295	0.02	-1.62	-1.3816	none
PCCA	0.604	0.44	3.9447	0.00295	0.02	-1.62	-1.3612	none
ANAPC1	0.46	0.3666	3.9441	0.00295	0.02	-1.62	-0.5486	none
ZNF440	0.885	0.7431	3.9441	0.00295	0.02	-1.62	-1.3047	none
PTPN22	0.534	0.4005	3.9439	0.00295	0.02	-1.62	-0.9587	none
MTMR3	0.585	0.5553	3.9437	0.00295	0.02	-1.62	-0.8131	none
PCDH11X	0.418	0.2925	3.9434	0.00295	0.02	-1.62	-1.4152	none
ANKRD46	0.733	0.4698	3.9431	0.00296	0.02	-1.62	-0.8279	none
ERCC4	0.727	0.56	3.9431	0.00296	0.02	-1.62	-1.0824	none
ELP4	0.513	0.3246	3.9421	0.00296	0.02	-1.62	-0.71	none
PDIA5	0.818	0.6774	3.9415	0.00296	0.02	-1.63	-1.1018	none
PRPF3	1.122	0.9984	3.9406	0.00297	0.02	-1.63	-1.1552	none
HYAL1	0.916	0.7629	3.939	0.00297	0.02	-1.63	-0.0572	none
METTL16	0.919	0.8284	3.9384	0.00298	0.02	-1.63	-1.2524	none
CDC23	0.379	0.245	3.9377	0.00298	0.02	-1.63	-0.8731	none
CNOT1	0.816	0.7255	3.9375	0.00298	0.02	-1.63	-1.1896	none
ATG10	0.713	0.5289	3.9369	0.00298	0.02	-1.63	-1.416	none
CAMK2G	0.466	0.3874	3.9365	0.00299	0.02	-1.63	-0.8164	none
OR52N1	0.353	0.2143	3.9354	0.00299	0.02	-1.64	-0.8397	none
NAV3	0.772	0.6252	3.9335	0.003	0.02	-1.64	-1.1343	none
PCSK7	0.898	0.8115	3.9332	0.003	0.02	-1.64	-1.2459	none
KANK4	0.437	0.2988	3.9317	0.00301	0.02	-1.64	-1.4523	none
NUDT5	-0.379	-0.3241	-3.931	0.00301	0.02	-1.64	2.13276	AA-related
IL20RB	0.609	0.4254	3.9313	0.00301	0.02	-1.64	-0.9346	none
GLRA1	0.638	0.4844	3.93	0.00302	0.02	-1.64	-1.2942	none
KLF3	0.934	0.737	3.9296	0.00302	0.02	-1.64	-1.451	none
CHAF1B	0.454	0.3409	3.9289	0.00302	0.02	-1.65	-1.2828	none
CSTF3	0.639	0.5188	3.9285	0.00302	0.02	-1.65	-1.3531	none
WEE1	0.506	0.4056	3.9282	0.00303	0.02	-1.65	-1.188	none
BORCS7	0.479	0.3093	3.9272	0.00303	0.02	-1.65	-0.8885	none
C11ORF94	-0.437	-0.3417	-3.925	0.00304	0.02	-1.65	0.60014	none
FAM124A	0.705	0.6389	3.9246	0.00304	0.02	-1.65	-1.3404	none
IL4R	0.749	0.6987	3.9245	0.00304	0.02	-1.65	-1.3003	none
CLN5	0.417	0.2614	3.9244	0.00304	0.02	-1.65	-1.2599	none
GNAI1	0.508	0.3643	3.9226	0.00305	0.02	-1.66	-1.397	none
UBE3C	0.447	0.314	3.9221	0.00306	0.021	-1.66	-1.0217	none

ARID3B	0.571	0.5456	3.9217	0.00306	0.021	-1.66	-0.118	none
STAT6	0.684	0.611	3.9212	0.00306	0.021	-1.66	-1.1115	none
ACSM5	0.395	0.3489	3.9207	0.00306	0.021	-1.66	0.65824	none
RAPGEF6	0.819	0.6595	3.9204	0.00306	0.021	-1.66	-0.6251	none
RHBDD3	0.433	0.3703	3.9195	0.00307	0.021	-1.66	-1.1553	none
TMEM236	0.474	0.3507	3.9169	0.00308	0.021	-1.66	-1.507	none
KIAA1841	0.764	0.6587	3.9166	0.00308	0.021	-1.67	-1.209	none
PARP2	0.548	0.4604	3.9165	0.00308	0.021	-1.67	-0.7101	none
HECTD1	1.006	0.9138	3.9156	0.00309	0.021	-1.67	-0.8854	none
SLC26A11	0.617	0.4573	3.9153	0.00309	0.021	-1.67	-1.2844	none
EPCAM	-0.481	-0.4063	-3.915	0.00309	0.021	-1.67	2.03496	none
RAD23B	0.432	0.3512	3.9151	0.00309	0.021	-1.67	0.73717	none
HMGCR	1.707	1.5536	3.9135	0.0031	0.021	-1.67	-1.0801	none
FFAR4	0.529	0.4072	3.9125	0.0031	0.021	-1.67	-1.1667	none
FBXW12	0.632	0.4498	3.9124	0.0031	0.021	-1.67	-1.0048	none
SMAD1	0.301	0.1696	3.9123	0.0031	0.021	-1.67	-0.557	none
EFEMP2	-0.657	-0.529	-3.912	0.00311	0.021	-1.67	-0.0737	none
SEC24D	0.555	0.4796	3.9115	0.00311	0.021	-1.67	-0.2216	none
TREX2	0.308	0.2388	3.9112	0.00311	0.021	-1.67	-1.0932	none
PKNOX2	-0.315	-0.238	-3.911	0.00311	0.021	-1.67	1.91317	none
ABAT	0.501	0.4736	3.9099	0.00312	0.021	-1.68	-0.3235	none
SLC12A3	0.505	0.3634	3.9099	0.00312	0.021	-1.68	-1.4082	none
ZNF543	0.583	0.4749	3.9096	0.00312	0.021	-1.68	-1.5099	none
QRSL1	0.498	0.3776	3.9091	0.00312	0.021	-1.68	-0.725	none
ZNF284	0.595	0.473	3.9087	0.00312	0.021	-1.68	-1.4086	none
JAK3	0.632	0.565	3.9087	0.00312	0.021	-1.68	-1.5225	none
BRI3BP	0.662	0.5688	3.9084	0.00312	0.021	-1.68	-1.4921	none
CACNG8	0.372	0.2604	3.9082	0.00312	0.021	-1.68	-1.2623	none
DPY19L4	0.407	0.2736	3.908	0.00312	0.021	-1.68	-0.4979	none
RNF223	0.296	0.1982	3.9078	0.00313	0.021	-1.68	-0.7639	none
ZNF23	0.487	0.4452	3.9078	0.00313	0.021	-1.68	-0.8629	none
OR2AP1	0.723	0.5411	3.9067	0.00313	0.021	-1.68	-1.41	none
CYB561	0.783	0.5513	3.9039	0.00315	0.021	-1.69	-1.0962	none
CXCL16	0.588	0.4227	3.9037	0.00315	0.021	-1.69	-1.3044	none
EIF4A1	-0.377	-0.3086	-3.903	0.00315	0.021	-1.69	2.25717	AA-related
ZNF639	0.545	0.3975	3.9024	0.00315	0.021	-1.69	-1.4107	none
GSDMA	0.49	0.4139	3.9022	0.00315	0.021	-1.69	-1.1577	none
ZMPSTE24	0.7	0.4411	3.9018	0.00316	0.021	-1.69	-0.9027	none
EYA3	0.623	0.5022	3.9016	0.00316	0.021	-1.69	-1.069	none
CNGA1	0.743	0.5822	3.8994	0.00317	0.021	-1.69	-0.4538	none

TMEM150	0.775	0.5599	3.8993	0.00317	0.021	-1.69	-1.1543	none
BVES	0.379	0.2734	3.8992	0.00317	0.021	-1.69	-0.9407	none
ZHX3	0.87	0.8083	3.8982	0.00317	0.021	-1.69	-0.6009	none
PIK3R1	0.89	0.7452	3.8977	0.00318	0.021	-1.7	-0.8084	none
TSPAN5	0.428	0.3321	3.8975	0.00318	0.021	-1.7	-0.232	none
TRPC6	0.733	0.4963	3.8972	0.00318	0.021	-1.7	-0.4213	none
KCNJ15	0.532	0.406	3.8955	0.00319	0.021	-1.7	-0.9563	none
CD163	0.602	0.4494	3.8951	0.00319	0.021	-1.7	-0.9271	none
OR4K13	0.409	0.2896	3.8949	0.00319	0.021	-1.7	-1.5017	none
DCAF10	0.533	0.3985	3.8948	0.00319	0.021	-1.7	-0.5675	none
ZFP2	0.567	0.4324	3.8947	0.00319	0.021	-1.7	-1.4522	none
CUX1	0.876	0.8359	3.8937	0.0032	0.021	-1.7	-0.5925	none
C12ORF65	0.631	0.5428	3.8936	0.0032	0.021	-1.7	-1.1807	none
PIK3C2B	0.768	0.7376	3.8922	0.0032	0.021	-1.7	-0.3665	none
NADK2	0.561	0.4121	3.8909	0.00321	0.021	-1.71	-1.1262	none
DNAJC12	0.732	0.5537	3.8901	0.00321	0.021	-1.71	-1.3543	none
CSF3R	1.092	0.8276	3.8899	0.00322	0.021	-1.71	-1.1454	none
ZNF763	0.393	0.2762	3.8898	0.00322	0.021	-1.71	-1.1175	none
ZNF441	0.618	0.4873	3.8895	0.00322	0.021	-1.71	-0.3417	none
PDE8A	0.981	0.798	3.8891	0.00322	0.021	-1.71	-1.3441	none
ABCC1	0.861	0.7484	3.8891	0.00322	0.021	-1.71	-1.5078	none
ATG13	0.614	0.5122	3.8871	0.00323	0.021	-1.71	-1.4696	none
FRRS1	0.684	0.5223	3.8862	0.00323	0.021	-1.71	-1.2056	none
ENO1	-0.372	-0.29	-3.886	0.00324	0.021	-1.71	2.06627	none
MED18	0.755	0.6518	3.8859	0.00324	0.021	-1.71	-1.0222	none
PRR27	0.357	0.2618	3.8853	0.00324	0.021	-1.72	-0.8028	none
ITGAL	0.768	0.6558	3.8853	0.00324	0.021	-1.72	-1.4163	none
PAFAH1B2	0.562	0.3498	3.8826	0.00325	0.021	-1.72	-1.4745	none
NDUFV3	0.568	0.4869	3.8822	0.00326	0.021	-1.72	-1.2725	none
PRKACA	0.713	0.6844	3.8821	0.00326	0.021	-1.72	-0.6948	none
CMBL	0.476	0.3465	3.8815	0.00326	0.021	-1.72	-1.331	none
ARMC8	0.452	0.345	3.8814	0.00326	0.021	-1.72	-1.0855	none
APOOL	0.871	0.738	3.8804	0.00327	0.021	-1.72	-1.4428	none
NASP	0.761	0.6563	3.8799	0.00327	0.021	-1.72	-1.2676	none
KNG1	0.368	0.2628	3.8793	0.00327	0.021	-1.72	-1.2013	none
NOX5	0.421	0.2941	3.8779	0.00328	0.021	-1.73	-1.2882	none
USE1	0.533	0.3676	3.8779	0.00328	0.021	-1.73	-1.2873	none
ACSS2	0.377	0.247	3.8779	0.00328	0.021	-1.73	-0.3973	none
OR1L8	0.569	0.402	3.8779	0.00328	0.021	-1.73	-0.939	none
TRAF3	0.666	0.6014	3.8777	0.00328	0.021	-1.73	-1.3332	none

MICAL3	1.028	0.9576	3.8773	0.00328	0.021	-1.73	-0.9399	none
ITGA1	0.647	0.5116	3.8765	0.00329	0.021	-1.73	-0.9049	none
ACBD5	0.609	0.4879	3.8753	0.00329	0.021	-1.73	-0.5505	none
ATP1A4	0.616	0.4566	3.8746	0.0033	0.021	-1.73	-1.0012	none
GPR78	0.448	0.3547	3.8733	0.0033	0.021	-1.73	-0.5611	none
PCDHB16	0.33	0.2495	3.8725	0.00331	0.021	-1.74	-1.4817	none
CNEP1R1	0.53	0.3642	3.8716	0.00331	0.021	-1.74	-0.4445	none
LGALS8	0.614	0.4328	3.8716	0.00331	0.021	-1.74	-1.1226	none
ABHD16A	1.295	0.9305	3.8714	0.00331	0.021	-1.74	-0.6719	none
PRPF19	0.436	0.4086	3.8685	0.00333	0.022	-1.74	-0.6547	none
ZNF829	0.739	0.6141	3.8674	0.00333	0.022	-1.74	-1.607	OA-related
TNRC18	1.484	1.3627	3.8668	0.00334	0.022	-1.74	-1.1014	none
THOC5	0.646	0.5376	3.8667	0.00334	0.022	-1.74	-0.8249	none
ENTPD4	0.681	0.6033	3.8665	0.00334	0.022	-1.75	-1.0569	none
CYP8B1	0.388	0.283	3.8664	0.00334	0.022	-1.75	-1.2191	none
IRAK1	0.554	0.5686	3.8644	0.00335	0.022	-1.75	-0.6881	none
MAPK6	0.758	0.5762	3.8635	0.00335	0.022	-1.75	-1.1606	none
USP9Y	0.435	0.3116	3.8633	0.00336	0.022	-1.75	-1.2497	none
TUFT1	0.782	0.5914	3.863	0.00336	0.022	-1.75	-1.4169	none
SMU1	0.368	0.2478	3.8626	0.00336	0.022	-1.75	-1.3668	none
SLC15A4	0.593	0.4414	3.8618	0.00336	0.022	-1.75	-1.0427	none
C12ORF60	0.618	0.5025	3.8618	0.00336	0.022	-1.75	-1.1918	none
ZNF99	0.416	0.299	3.8612	0.00337	0.022	-1.75	-1.1164	none
PLXNB1	-0.477	-0.3151	-3.861	0.00337	0.022	-1.75	1.98502	none
ART3	0.605	0.4416	3.8589	0.00338	0.022	-1.76	-0.9936	none
NISCH	0.843	0.786	3.858	0.00338	0.022	-1.76	-1.338	none
GATAD2A	1.497	1.4088	3.8577	0.00339	0.022	-1.76	-1.0995	none
DTX3L	0.61	0.5073	3.8563	0.00339	0.022	-1.76	-1.3184	none
SPATS2L	1.094	0.9487	3.8563	0.00339	0.022	-1.76	-1.3115	none
NFASC	0.541	0.4175	3.8559	0.0034	0.022	-1.76	-1.4192	none
OR2T12	0.485	0.3822	3.8551	0.0034	0.022	-1.76	-1.4027	none
CASR	0.3	0.2323	3.8548	0.0034	0.022	-1.76	-1.417	none
PTK7	0.831	0.64	3.8527	0.00341	0.022	-1.77	-1.469	none
RGS10	-0.359	-0.2874	-3.851	0.00342	0.022	-1.77	1.99007	none
SCAI	0.412	0.3265	3.8512	0.00342	0.022	-1.77	0.28622	none
SETD7	0.581	0.4692	3.8512	0.00342	0.022	-1.77	-1.4683	none
LEAP2	0.475	0.4339	3.851	0.00342	0.022	-1.77	-1.2852	none
ZNF783	0.553	0.473	3.8505	0.00342	0.022	-1.77	-0.5881	none
NSUN2	0.874	0.803	3.8499	0.00343	0.022	-1.77	-0.8442	none
DCBLD1	0.654	0.5151	3.8496	0.00343	0.022	-1.77	-1.2932	none

KIAA1324	0.648	0.5552	3.8495	0.00343	0.022	-1.77	-0.9372	none
MRPS31	0.6	0.4461	3.8495	0.00343	0.022	-1.77	-1.4573	none
RAD9B	0.662	0.5403	3.8489	0.00343	0.022	-1.77	-0.794	none
GPR161	1.5	1.2081	3.8484	0.00344	0.022	-1.77	-1.2161	none
TMEM63A	0.552	0.4907	3.8476	0.00344	0.022	-1.78	-0.82	none
ATG14	0.49	0.4076	3.8476	0.00344	0.022	-1.78	-1.3723	none
PPIP5K1	0.627	0.5213	3.8471	0.00344	0.022	-1.78	-1.2265	none
PLCD3	0.68	0.4978	3.8469	0.00344	0.022	-1.78	-0.7463	none
ZBED5	0.499	0.396	3.8464	0.00345	0.022	-1.78	-0.5371	none
GPATCH1	0.825	0.6963	3.8447	0.00346	0.022	-1.78	-1.1654	none
CLPB	0.584	0.5036	3.8447	0.00346	0.022	-1.78	-0.708	none
LRRC19	0.339	0.2453	3.8445	0.00346	0.022	-1.78	-1.1702	none
SMAGP	0.683	0.499	3.8436	0.00346	0.022	-1.78	-1.0131	none
C2CD4A	0.42	0.2994	3.8433	0.00346	0.022	-1.78	-1.3281	none
KLF8	0.347	0.2633	3.8433	0.00346	0.022	-1.78	-1.2102	none
ARPC4-TTI	-0.673	-0.5477	-3.843	0.00347	0.022	-1.78	2.07115	none
SCARF1	0.579	0.5127	3.8413	0.00348	0.022	-1.79	-1.2277	none
L3MBTL4	0.474	0.3751	3.8412	0.00348	0.022	-1.79	-1.4156	none
ZNF486	0.614	0.4666	3.8406	0.00348	0.022	-1.79	-0.932	none
TCAIM	0.487	0.3513	3.8399	0.00348	0.022	-1.79	-0.1688	none
MAP1S	0.588	0.4809	3.8398	0.00348	0.022	-1.79	-1.4152	none
ITGA2B	0.551	0.4029	3.8392	0.00349	0.022	-1.79	-1.1453	none
PPARG	0.571	0.427	3.8391	0.00349	0.022	-1.79	-1.0365	none
NDUFA7	0.652	0.4002	3.8389	0.00349	0.022	-1.79	-1.2014	none
ZNF570	0.598	0.487	3.8387	0.00349	0.022	-1.79	-1.4209	none
TBCEL	0.82	0.6457	3.8386	0.00349	0.022	-1.79	-0.6322	none
PCNX1	0.924	0.6947	3.8384	0.00349	0.022	-1.79	-0.67	none
DSTYK	0.603	0.4989	3.8376	0.0035	0.022	-1.79	-1.3216	none
AARD	0.707	0.6017	3.8375	0.0035	0.022	-1.79	-0.9748	none
SLC9B1	0.646	0.4167	3.8365	0.0035	0.022	-1.79	-1.136	none
CERKL	0.84	0.6803	3.8361	0.0035	0.022	-1.79	-1.086	none
DLG5	0.446	0.3722	3.8348	0.00351	0.022	-1.8	-1.1587	none
HFE	0.513	0.3876	3.8338	0.00352	0.022	-1.8	-1.2738	none
KCNJ6	0.323	0.2321	3.8334	0.00352	0.022	-1.8	-1.3811	none
XPO1	0.69	0.5578	3.8329	0.00352	0.022	-1.8	-0.8547	none
RNASE10	0.386	0.3147	3.8322	0.00353	0.022	-1.8	-0.8263	none
COG5	0.549	0.4079	3.8322	0.00353	0.022	-1.8	-0.735	none
RUVBL2	0.368	0.3227	3.8319	0.00353	0.022	-1.8	-1.2035	none
POLR3A	0.82	0.7383	3.8311	0.00353	0.022	-1.8	-1.1272	none
LCAT	0.796	0.7083	3.8308	0.00353	0.022	-1.8	-1.1741	none

LIPG	0.475	0.3601	3.8308	0.00353	0.022	-1.8	-1.452	none
GLT8D1	0.531	0.3445	3.8304	0.00354	0.022	-1.8	-1.3091	none
YTHDC2	0.85	0.7454	3.8301	0.00354	0.022	-1.8	-0.4864	none
GNLY	0.61	0.4504	3.8301	0.00354	0.022	-1.8	-0.5079	none
SH2D1B	0.717	0.4661	3.8298	0.00354	0.022	-1.8	-0.0922	none
CYP2F1	0.95	0.7922	3.8297	0.00354	0.022	-1.8	-0.9183	none
TBC1D32	0.585	0.4496	3.8295	0.00354	0.022	-1.8	-0.9817	none
CD36	0.64	0.4707	3.8282	0.00355	0.022	-1.81	-1.3808	none
ABCA5	0.553	0.4186	3.8277	0.00355	0.022	-1.81	-1.0004	none
ATP10B	0.612	0.4742	3.8261	0.00356	0.022	-1.81	-0.5829	none
TNK1	0.372	0.3763	3.8248	0.00357	0.022	-1.81	0.587	none
KIF1BP	0.476	0.3649	3.8236	0.00358	0.022	-1.81	-1.2554	none
ZC3HC1	0.511	0.3272	3.8234	0.00358	0.022	-1.81	-0.7726	none
WDR20	0.409	0.2967	3.8233	0.00358	0.022	-1.81	-0.9988	none
F3	0.509	0.3687	3.8226	0.00358	0.022	-1.82	-1.3455	none
ME2	0.4	0.3111	3.8225	0.00358	0.022	-1.82	0.35518	none
SRPK3	0.515	0.3511	3.8219	0.00358	0.022	-1.82	-1.1548	none
ERAP1	0.599	0.4922	3.8213	0.00359	0.022	-1.82	-0.8332	none
RSAD2	0.488	0.3663	3.8209	0.00359	0.022	-1.82	-1.0569	none
LRRC25	0.524	0.3859	3.8202	0.00359	0.023	-1.82	-1.4765	none
FBXO38	0.581	0.4675	3.8175	0.00361	0.023	-1.82	-1.4925	none
CCDC159	0.631	0.4613	3.8175	0.00361	0.023	-1.82	-1.3779	none
MCPH1	0.83	0.7199	3.8174	0.00361	0.023	-1.82	-0.988	none
KIAA0408	0.508	0.4293	3.8163	0.00362	0.023	-1.83	-1.5034	none
LBX2	0.656	0.4096	3.8155	0.00362	0.023	-1.83	-1.4223	none
POLR2A	1.029	0.9754	3.8154	0.00362	0.023	-1.83	-1.2249	none
SUSD6	0.367	0.2997	3.8143	0.00363	0.023	-1.83	-0.2365	none
FSD2	0.427	0.3045	3.8143	0.00363	0.023	-1.83	-1.0481	none
DPF2	0.358	0.2437	3.8142	0.00363	0.023	-1.83	-0.9811	none
EHMT2	0.493	0.4194	3.8138	0.00363	0.023	-1.83	-0.8412	none
PAPOLG	0.867	0.7042	3.8137	0.00363	0.023	-1.83	-0.8079	none
HIF3A	0.603	0.4378	3.8137	0.00363	0.023	-1.83	-1.4546	none
REV1	0.685	0.6005	3.8129	0.00364	0.023	-1.83	-1.1519	none
TAF2	0.692	0.5951	3.8119	0.00364	0.023	-1.83	-0.8466	none
SLC25A15	0.489	0.4019	3.8116	0.00364	0.023	-1.83	-1.1077	none
C9ORF78	0.583	0.489	3.8114	0.00365	0.023	-1.83	-1.3085	none
GLTP	0.573	0.4696	3.8113	0.00365	0.023	-1.83	-1.5724	OA-related
MAVS	0.612	0.5826	3.8112	0.00365	0.023	-1.83	-0.9922	none
FBXW8	0.955	0.7722	3.8105	0.00365	0.023	-1.83	-1.5249	none
TPMT	0.449	0.2715	3.8103	0.00365	0.023	-1.83	-1.0969	none

NFAT5	0.842	0.7504	3.8093	0.00366	0.023	-1.84	-1.2281	none
EFCAB3	0.707	0.6088	3.8084	0.00366	0.023	-1.84	-1.3556	none
OR2J2	0.487	0.3366	3.808	0.00367	0.023	-1.84	-1.4331	none
ZNF480	0.942	0.7957	3.8078	0.00367	0.023	-1.84	-1.3758	none
EHBP1	0.673	0.5544	3.807	0.00367	0.023	-1.84	-1.3517	none
ROBO3	-0.445	-0.2359	-3.807	0.00367	0.023	-1.84	1.26489	none
CERS3	0.78	0.5929	3.8066	0.00367	0.023	-1.84	-1.4005	none
DDX47	0.42	0.2802	3.805	0.00368	0.023	-1.84	-1.4464	none
DNAJC16	0.843	0.6433	3.8029	0.0037	0.023	-1.85	-1.417	none
CTSW	0.566	0.3972	3.8027	0.0037	0.023	-1.85	-0.9758	none
EIF4E	0.44	0.231	3.8023	0.0037	0.023	-1.85	-0.7709	none
ZNF93	0.511	0.3487	3.8014	0.0037	0.023	-1.85	-1.1882	none
NBPF11	0.453	0.3715	3.8011	0.00371	0.023	-1.85	0.13532	none
DUSP28	0.558	0.3953	3.8004	0.00371	0.023	-1.85	-1.2103	none
C8ORF76	0.348	0.1651	3.8003	0.00371	0.023	-1.85	-0.3822	none
UBE3A	0.519	0.4592	3.8001	0.00371	0.023	-1.85	-0.5569	none
INCA1	0.557	0.4651	3.7997	0.00371	0.023	-1.85	-0.7765	none
TM4SF19	0.582	0.4296	3.7989	0.00372	0.023	-1.85	-1.4757	none
WDFY3	0.602	0.4813	3.7983	0.00372	0.023	-1.85	-1.4488	none
SBF2	0.68	0.5329	3.7974	0.00373	0.023	-1.86	-1.1354	none
R3HDM2	1.007	0.952	3.7962	0.00374	0.023	-1.86	-1.3471	none
PTPN14	0.491	0.3937	3.7923	0.00376	0.023	-1.86	-1.273	none
UBIAD1	0.492	0.3662	3.7919	0.00376	0.023	-1.86	-0.9126	none
RAP1GAP2	0.451	0.3387	3.7916	0.00376	0.023	-1.86	-1.0097	none
EIF4E1B	0.466	0.3377	3.7913	0.00376	0.023	-1.87	-1.4669	none
AFF3	0.565	0.4365	3.7913	0.00376	0.023	-1.87	-0.9883	none
ZHX1	1.068	0.9753	3.7911	0.00377	0.023	-1.87	-0.9341	none
OGFRL1	0.546	0.418	3.7889	0.00378	0.023	-1.87	-0.946	none
LURAP1	0.523	0.3824	3.7886	0.00378	0.023	-1.87	-1.0813	none
HRH4	0.479	0.3201	3.7872	0.00379	0.023	-1.87	-1.4853	none
MLPH	0.866	0.6729	3.7855	0.0038	0.023	-1.87	-0.7137	none
UBN2	0.754	0.6405	3.7845	0.00381	0.023	-1.88	-1.5191	none
CCDC170	0.299	0.1913	3.7843	0.00381	0.023	-1.88	-1.302	none
CA5B	0.547	0.3863	3.7836	0.00381	0.023	-1.88	-1.1419	none
CLASP2	0.719	0.652	3.783	0.00382	0.023	-1.88	-0.9263	none
BTBD2	0.474	0.4281	3.7826	0.00382	0.023	-1.88	-0.9974	none
KCNJ5	0.444	0.3332	3.7824	0.00382	0.023	-1.88	-1.5067	none
CD3G	0.458	0.293	3.7824	0.00382	0.023	-1.88	-1.3416	none
COL4A1	0.681	0.5517	3.7823	0.00382	0.023	-1.88	-1.2467	none
SFXN3	0.428	0.3339	3.7822	0.00382	0.023	-1.88	-1.3139	none



IL12RB1	0.415	0.2638	3.7817	0.00382	0.023	-1.88	-1.3989	none
GLDC	0.718	0.5343	3.7808	0.00383	0.023	-1.88	-0.9681	none
GTPBP1	0.63	0.587	3.7795	0.00384	0.023	-1.88	-1.4506	none
B3GNT6	0.463	0.3592	3.7795	0.00384	0.023	-1.88	-1.1851	none
MYO5A	1.442	1.3417	3.7788	0.00384	0.023	-1.89	-1.2455	none
SLC13A4	0.338	0.283	3.7779	0.00385	0.024	-1.89	-1.168	none
DVL2	0.436	0.3816	3.7753	0.00386	0.024	-1.89	-1.0216	none
MLYCD	0.356	0.2447	3.7744	0.00387	0.024	-1.89	-0.709	none
SNF8	0.553	0.4075	3.7739	0.00387	0.024	-1.89	-1.229	none
PLA2G2C	0.478	0.3857	3.7739	0.00387	0.024	-1.89	-1.3605	none
CDK13	1.004	0.948	3.7737	0.00387	0.024	-1.89	-1.1732	none
HIP1R	0.538	0.5098	3.773	0.00388	0.024	-1.89	-0.4677	none
TMC2	0.475	0.3844	3.773	0.00388	0.024	-1.89	-1.2717	none
ALDH5A1	0.461	0.355	3.7719	0.00388	0.024	-1.9	-0.8158	none
RAB11A	-0.436	-0.3706	-3.771	0.00389	0.024	-1.9	2.18129	AA-related
ZNF234	0.577	0.4734	3.771	0.00389	0.024	-1.9	-1.4303	none
TBXAS1	0.605	0.4611	3.7698	0.0039	0.024	-1.9	0.34288	none
ZNF835	0.607	0.4817	3.7687	0.0039	0.024	-1.9	-0.9976	none
PTCHD3	0.692	0.5208	3.7687	0.0039	0.024	-1.9	-1.2028	none
CDC42EP1	0.588	0.4434	3.7674	0.00391	0.024	-1.9	-1.4367	none
EXOC2	0.449	0.4003	3.7673	0.00391	0.024	-1.9	-0.4709	none
MAPKAPK1	0.564	0.4696	3.7669	0.00392	0.024	-1.9	-0.1344	none
ZNF738	0.614	0.4312	3.7666	0.00392	0.024	-1.9	-0.787	none
FABP2	0.285	0.1991	3.7657	0.00392	0.024	-1.91	0.64058	none
ZNF579	0.465	0.2809	3.7654	0.00392	0.024	-1.91	0.54512	none
MRPS27	0.499	0.3951	3.7653	0.00393	0.024	-1.91	-0.8544	none
AKAP6	0.587	0.3949	3.7646	0.00393	0.024	-1.91	-1.2087	none
MCCC2	0.314	0.2199	3.7645	0.00393	0.024	-1.91	-0.5717	none
ZNF329	0.843	0.7271	3.7645	0.00393	0.024	-1.91	-1.2165	none
ZNF414	0.629	0.5015	3.7644	0.00393	0.024	-1.91	-1.265	none
HELB	0.682	0.5942	3.7636	0.00394	0.024	-1.91	-1.295	none
SUCLA2	0.401	0.3215	3.7636	0.00394	0.024	-1.91	-1.4191	none
ABHD15	0.351	0.2827	3.7629	0.00394	0.024	-1.91	-1.0873	none
XYLB	0.394	0.2918	3.7627	0.00394	0.024	-1.91	-1.0022	none
ZNF689	0.367	0.3286	3.7626	0.00394	0.024	-1.91	-0.5426	none
ESR1	0.622	0.4666	3.7622	0.00394	0.024	-1.91	-0.812	none
FBXO42	0.408	0.3717	3.7613	0.00395	0.024	-1.91	-0.9457	none
ADGRG2	0.486	0.3538	3.7613	0.00395	0.024	-1.91	-1.4822	none
ZBTB20	0.817	0.6064	3.7613	0.00395	0.024	-1.91	-0.6678	none
UBFD1	0.479	0.3831	3.7612	0.00395	0.024	-1.91	-0.9738	none

IARS	0.634	0.517	3.7611	0.00395	0.024	-1.91	-1.1038	none
NPAP1	0.27	0.1747	3.7609	0.00395	0.024	-1.91	-1.0501	none
ADH1B	0.381	0.2776	3.7602	0.00396	0.024	-1.92	-1.4169	none
CYP2B6	0.6	0.4056	3.759	0.00397	0.024	-1.92	-1.2076	none
CA14	0.567	0.4616	3.7587	0.00397	0.024	-1.92	-1.3442	none
ASB11	0.498	0.4061	3.7585	0.00397	0.024	-1.92	-0.989	none
TBC1D23	0.327	0.2572	3.7583	0.00397	0.024	-1.92	-0.8258	none
OLR1	0.686	0.5059	3.7567	0.00398	0.024	-1.92	-1.1954	none
PAFAH2	0.482	0.3543	3.756	0.00398	0.024	-1.92	-1.307	none
PSEN1	0.484	0.3304	3.7547	0.00399	0.024	-1.92	-0.8557	none
ICAM4	0.584	0.4219	3.754	0.004	0.024	-1.93	-1.4492	none
EIF2S3	0.525	0.3915	3.7533	0.004	0.024	-1.93	-1.4768	none
NUP155	0.683	0.5678	3.7532	0.004	0.024	-1.93	-0.9827	none
SYDE2	0.566	0.444	3.7527	0.00401	0.024	-1.93	-1.3937	none
EFR3B	0.55	0.4356	3.7517	0.00401	0.024	-1.93	-1.6175	OA-related
OTUD7B	0.693	0.6377	3.7517	0.00401	0.024	-1.93	-1.427	none
CAMKMT	0.48	0.324	3.7511	0.00402	0.024	-1.93	-1.0074	none
CNTNAP1	0.754	0.4963	3.7502	0.00402	0.024	-1.93	-0.9822	none
ZCWPW2	0.913	0.6649	3.7501	0.00402	0.024	-1.93	-1.4726	none
SIPA1L1	1.254	1.1838	3.7496	0.00403	0.024	-1.93	-1.2356	none
LRRC2	0.484	0.3376	3.7493	0.00403	0.024	-1.93	-1.2067	none
HYKK	0.608	0.4207	3.7492	0.00403	0.024	-1.93	-1.5733	OA-related
RRP36	0.678	0.5674	3.7489	0.00403	0.024	-1.93	-1.337	none
KLK2	0.866	0.6349	3.7479	0.00404	0.024	-1.93	-1.3917	none
CSAD	0.827	0.6501	3.7479	0.00404	0.024	-1.94	-1.5464	OA-related
ADD3	0.634	0.5245	3.7476	0.00404	0.024	-1.94	-0.7711	none
NPIPB11	0.57	0.4222	3.7475	0.00404	0.024	-1.94	-1.5433	OA-related
STX16	0.58	0.5057	3.7474	0.00404	0.024	-1.94	-0.3354	none
ZNF276	0.706	0.7054	3.7467	0.00404	0.024	-1.94	-0.8294	none
CHEK1	0.476	0.3047	3.7462	0.00405	0.024	-1.94	-1.2373	none
ZNF470	0.659	0.5452	3.7451	0.00406	0.024	-1.94	-1.6196	OA-related
MID1IP1	0.49	0.3585	3.745	0.00406	0.024	-1.94	-1.0939	none
ZNF426	0.802	0.6799	3.7448	0.00406	0.024	-1.94	-1.4111	none
TTL10	0.969	0.7401	3.7445	0.00406	0.024	-1.94	-1.0457	none
TMEM44	0.849	0.6817	3.7442	0.00406	0.024	-1.94	-1.3428	none
PDK3	0.42	0.2473	3.7427	0.00407	0.024	-1.94	-1.2247	none
GPX8	0.533	0.4018	3.7418	0.00408	0.024	-1.94	-1.4097	none
ADTRP	0.407	0.2762	3.7409	0.00408	0.024	-1.95	-0.2492	none
ZNF850	0.74	0.6005	3.7407	0.00408	0.024	-1.95	-0.808	none
TMEM68	0.661	0.4836	3.7407	0.00408	0.024	-1.95	-0.7753	none

ENO2	0.397	0.3128	3.7401	0.00409	0.024	-1.95	0.35518	none
MICU1	0.455	0.3452	3.7395	0.00409	0.024	-1.95	-1.375	none
CECR2	0.449	0.325	3.7387	0.0041	0.024	-1.95	-0.8703	none
LACTB	0.548	0.4231	3.7384	0.0041	0.024	-1.95	-0.0759	none
OR8H1	0.431	0.2919	3.7379	0.0041	0.024	-1.95	-1.3048	none
ANK3	0.703	0.605	3.7371	0.00411	0.024	-1.95	-1.3135	none
KANSL1	0.78	0.668	3.7365	0.00411	0.024	-1.95	-1.17	none
PRMT8	0.491	0.3382	3.7361	0.00411	0.024	-1.95	-1.031	none
CD226	-0.436	-0.3467	-3.736	0.00412	0.024	-1.95	1.16927	none
TIMP1	-0.367	-0.2852	-3.735	0.00412	0.024	-1.96	1.46016	none
NT5E	-0.558	-0.4374	-3.732	0.00414	0.025	-1.96	2.01981	none
ZBTB8OS	0.519	0.3269	3.7312	0.00415	0.025	-1.96	-1.1935	none
CFAP206	0.448	0.3056	3.731	0.00415	0.025	-1.96	-1.3736	none
NCOR1	1.198	1.1522	3.7306	0.00415	0.025	-1.96	-1.1664	none
HMG2	-0.282	-0.2034	-3.731	0.00415	0.025	-1.96	0.91686	none
C22ORF46	0.74	0.694	3.7305	0.00415	0.025	-1.96	-1.1264	none
CDCA8	-0.3	-0.2109	-3.73	0.00415	0.025	-1.96	1.77358	none
ESYT2	0.45	0.3592	3.7298	0.00416	0.025	-1.96	-1.444	none
CCDC47	0.436	0.3623	3.7296	0.00416	0.025	-1.96	-0.9586	none
FAM131A	0.54	0.3281	3.7288	0.00416	0.025	-1.97	-1.1549	none
TMPRSS11	0.393	0.2929	3.7274	0.00417	0.025	-1.97	-1.0331	none
BBS2	0.899	0.6856	3.7273	0.00417	0.025	-1.97	-0.8276	none
FRMD1	0.463	0.3351	3.7257	0.00418	0.025	-1.97	-1.1698	none
ZNF100	0.876	0.7128	3.7248	0.00419	0.025	-1.97	-1.0759	none
MSL1	0.986	0.8104	3.7243	0.00419	0.025	-1.97	-1.2445	none
ZNF121	0.812	0.7297	3.7235	0.0042	0.025	-1.97	-1.4251	none
PARN	0.569	0.4732	3.7228	0.0042	0.025	-1.98	-0.6043	none
TTC16	0.437	0.3228	3.7215	0.00421	0.025	-1.98	-1.2568	none
MYH14	0.306	0.2221	3.7211	0.00422	0.025	-1.98	-1.3183	none
STX1B	0.373	0.2929	3.7207	0.00422	0.025	-1.98	-1.2943	none
NTRK3	0.684	0.5486	3.7203	0.00422	0.025	-1.98	-1.0564	none
CAV2	0.683	0.4743	3.72	0.00422	0.025	-1.98	-1.1621	none
CAMSAP1	0.957	0.9728	3.7198	0.00422	0.025	-1.98	-0.9974	none
ITIH5	0.81	0.547	3.7197	0.00422	0.025	-1.98	-1.1475	none
NKAP	0.914	0.8083	3.7192	0.00423	0.025	-1.98	-1.1174	none
LETMD1	0.525	0.3663	3.7188	0.00423	0.025	-1.98	-0.9929	none
KDM5C	0.955	0.8932	3.7188	0.00423	0.025	-1.98	-1.0998	none
HIST1H2BC	0.65	0.485	3.7181	0.00424	0.025	-1.98	-1.0876	none
RNF10	0.484	0.3872	3.7179	0.00424	0.025	-1.98	-0.416	none
ZRSR2	0.55	0.4381	3.7172	0.00424	0.025	-1.98	-1.4133	none

IGFBPL1	0.463	0.3555	3.7163	0.00425	0.025	-1.99	-1.4375	none
XDH	0.435	0.3215	3.7153	0.00425	0.025	-1.99	-0.9262	none
SLC6A4	0.307	0.213	3.7149	0.00426	0.025	-1.99	-1.3019	none
TCEANC2	0.697	0.4836	3.7136	0.00427	0.025	-1.99	-1.2472	none
ZSCAN25	0.495	0.4577	3.7123	0.00428	0.025	-1.99	-0.3983	none
ASPSCR1	0.431	0.3029	3.7119	0.00428	0.025	-1.99	-1.4688	none
RPL3L	0.536	0.3931	3.7108	0.00429	0.025	-1.99	-0.9795	none
MICALL2	0.421	0.4107	3.7101	0.00429	0.025	-2	0.0463	none
8-Mar	0.739	0.5622	3.71	0.00429	0.025	-2	-0.9702	none
TCF25	0.515	0.4398	3.7098	0.00429	0.025	-2	-1.4983	none
CEACAM1	0.583	0.4861	3.7084	0.0043	0.025	-2	-0.8035	none
DENND5B	0.478	0.3787	3.708	0.00431	0.025	-2	-0.8559	none
C4BPA	1.181	0.9786	3.7078	0.00431	0.025	-2	-1.2916	none
MTRNR2L1	0.717	0.5636	3.7076	0.00431	0.025	-2	-1.0332	none
ANXA3	0.574	0.4622	3.7051	0.00433	0.025	-2	-1.0221	none
SPG21	0.544	0.3386	3.7043	0.00433	0.025	-2.01	-0.901	none
CREBRF	0.681	0.5857	3.7037	0.00434	0.025	-2.01	-0.7202	none
ZNF101	0.772	0.6492	3.703	0.00434	0.025	-2.01	-1.491	none
ERVW-1	0.402	0.3875	3.7025	0.00434	0.025	-2.01	-0.4765	none
RARRES1	0.9	0.5687	3.7018	0.00435	0.025	-2.01	-1.0993	none
PNKD	-0.404	-0.3279	-3.701	0.00435	0.025	-2.01	1.31448	none
ZNF45	0.953	0.8179	3.7001	0.00436	0.025	-2.01	-1.3857	none
NPIPB6	0.514	0.4489	3.6996	0.00436	0.025	-2.01	-0.6897	none
CDH11	0.946	0.7308	3.6992	0.00437	0.025	-2.01	-0.919	none
C4BPB	0.557	0.4299	3.6982	0.00437	0.025	-2.01	-1.0154	none
CDH17	0.81	0.628	3.698	0.00438	0.025	-2.02	-1.3758	none
SENP6	1.101	1.022	3.6978	0.00438	0.025	-2.02	-1.3022	none
PTPN9	0.636	0.5142	3.6977	0.00438	0.025	-2.02	-1.2941	none
TTC7B	1.188	1.0796	3.6976	0.00438	0.025	-2.02	-0.9931	none
WDR24	0.386	0.3426	3.6974	0.00438	0.025	-2.02	-0.6367	none
ITGB6	0.589	0.4432	3.6957	0.00439	0.026	-2.02	-0.9574	none
TRIM41	0.602	0.5401	3.6947	0.0044	0.026	-2.02	-1.3581	none
PGAM5	0.51	0.4176	3.6942	0.0044	0.026	-2.02	-1.3869	none
GABRD	0.515	0.3727	3.6937	0.00441	0.026	-2.02	-1.1749	none
CCNL2	0.6	0.5107	3.6934	0.00441	0.026	-2.02	-1.3014	none
ALDH1B1	0.546	0.4798	3.6926	0.00441	0.026	-2.02	-0.9782	none
ZNF468	0.723	0.6001	3.6912	0.00442	0.026	-2.03	-1.2424	none
WIPF2	0.674	0.5199	3.6893	0.00444	0.026	-2.03	-0.986	none
INSC	0.435	0.324	3.6892	0.00444	0.026	-2.03	-1.2378	none
CD276	0.861	0.7235	3.6883	0.00444	0.026	-2.03	-1.213	none

TRIM68	0.49	0.3777	3.6871	0.00445	0.026	-2.03	-1.2793	none
NPHS1	0.318	0.214	3.6857	0.00446	0.026	-2.04	-1.2549	none
USP40	0.675	0.557	3.6843	0.00447	0.026	-2.04	-0.8854	none
PRELID2	0.558	0.4336	3.6838	0.00448	0.026	-2.04	-1.1497	none
FAM149A	1.248	1.0185	3.6827	0.00449	0.026	-2.04	-1.1427	none
TMEM45A	0.615	0.4635	3.6826	0.00449	0.026	-2.04	-1.0406	none
AC124312	0.522	0.3757	3.6818	0.00449	0.026	-2.04	-1.02	none
IPO7	0.73	0.5647	3.6806	0.0045	0.026	-2.04	-0.9345	none
HIST1H2AI	1.012	0.7305	3.6803	0.0045	0.026	-2.04	-0.0735	none
GCLC	0.576	0.4798	3.6769	0.00453	0.026	-2.05	-1.3982	none
MYO10	0.508	0.4122	3.6765	0.00453	0.026	-2.05	-0.7153	none
EHMT1	1.024	1.0305	3.6765	0.00453	0.026	-2.05	-0.9083	none
SOCS7	0.464	0.4012	3.6756	0.00454	0.026	-2.05	-1.3354	none
BTF3	-0.354	-0.3308	-3.675	0.00454	0.026	-2.05	1.64388	none
LAMC3	0.513	0.3827	3.6754	0.00454	0.026	-2.05	-1.2112	none
F2RL3	0.55	0.4176	3.6753	0.00454	0.026	-2.05	-1.5865	OA-related
ZNF816	0.828	0.6691	3.6749	0.00454	0.026	-2.05	-1.5021	none
SUPV3L1	0.456	0.4044	3.6749	0.00454	0.026	-2.05	-0.0534	none
USP4	0.741	0.6735	3.6748	0.00454	0.026	-2.05	-1.3434	none
BROX	0.597	0.4663	3.674	0.00455	0.026	-2.05	-1.5589	OA-related
SLC35F1	0.389	0.2726	3.6715	0.00457	0.026	-2.06	-0.5766	none
RHOB	-0.379	-0.291	-3.67	0.00458	0.026	-2.06	1.32121	none
SGF29	0.33	0.2945	3.6697	0.00458	0.026	-2.06	-0.3866	none
ZSWIM7	0.525	0.3018	3.6697	0.00458	0.026	-2.06	-0.9981	none
VPS13B	0.566	0.4965	3.6692	0.00458	0.026	-2.06	-1.3	none
MAPK9	0.638	0.4195	3.6689	0.00459	0.026	-2.06	-1.1283	none
AMN1	0.662	0.4359	3.6688	0.00459	0.026	-2.06	-0.921	none
ARHGEF38	0.701	0.662	3.6679	0.00459	0.026	-2.06	-0.6259	none
MAS1	0.296	0.214	3.6674	0.0046	0.026	-2.06	-1.3676	none
WDR82	0.313	0.2166	3.6665	0.0046	0.026	-2.07	-0.78	none
ZNF609	0.86	0.8546	3.6662	0.00461	0.026	-2.07	-0.9235	none
UBE4B	0.687	0.6011	3.664	0.00462	0.026	-2.07	-1.453	none
INO80C	0.439	0.3294	3.6638	0.00462	0.026	-2.07	-0.7474	none
IL13RA1	0.381	0.2883	3.6637	0.00462	0.026	-2.07	-0.9834	none
KMT5B	0.642	0.554	3.6622	0.00464	0.027	-2.07	-1.2189	none
SLC52A3	0.294	0.2182	3.6618	0.00464	0.027	-2.07	-1.3559	none
ATL1	0.966	0.6871	3.661	0.00465	0.027	-2.08	-1.1109	none
PDXDC1	0.653	0.6449	3.6591	0.00466	0.027	-2.08	-0.8834	none
TMPRSS7	0.33	0.245	3.6581	0.00467	0.027	-2.08	-1.0278	none
TRIM36	0.866	0.6721	3.6578	0.00467	0.027	-2.08	-0.8772	none

UQCC1	0.535	0.4261	3.6577	0.00467	0.027	-2.08	-1.0305	none
MSH6	0.58	0.5132	3.6569	0.00468	0.027	-2.08	-0.4111	none
MLLT6	0.803	0.786	3.6565	0.00468	0.027	-2.08	-0.9615	none
SLC35E2B	0.608	0.5327	3.6564	0.00468	0.027	-2.08	-0.3572	none
RPAP2	0.663	0.5315	3.6559	0.00468	0.027	-2.08	-1.2222	none
NDRG3	0.309	0.2287	3.6558	0.00468	0.027	-2.08	0.15691	none
SETD6	0.499	0.4615	3.6544	0.00469	0.027	-2.09	-1.1446	none
LRRC1	0.458	0.3002	3.6543	0.0047	0.027	-2.09	-1.3788	none
MYADM	0.605	0.4885	3.6525	0.00471	0.027	-2.09	-0.5739	none
HCK	0.356	0.2454	3.6524	0.00471	0.027	-2.09	-1.278	none
MAP3K12	0.729	0.5797	3.6523	0.00471	0.027	-2.09	-1.3581	none
KIF25	0.614	0.526	3.6513	0.00472	0.027	-2.09	-0.9872	none
IL17RC	0.769	0.6438	3.6502	0.00473	0.027	-2.09	-0.8838	none
TTL2	0.352	0.2394	3.6491	0.00474	0.027	-2.09	-0.5833	none
NLRP10	0.36	0.2472	3.6468	0.00475	0.027	-2.1	-1.2647	none
GXYLT2	0.358	0.2619	3.6467	0.00475	0.027	-2.1	-1.348	none
SMOX	0.751	0.7494	3.6464	0.00476	0.027	-2.1	-1.0098	none
BCS1L	0.372	0.2845	3.6462	0.00476	0.027	-2.1	-0.6763	none
RP1L1	0.543	0.4589	3.6458	0.00476	0.027	-2.1	-0.5839	none
GAA	0.4	0.3595	3.6422	0.00479	0.027	-2.11	0.64758	none
TRIM56	0.798	0.7626	3.642	0.00479	0.027	-2.11	-1.1385	none
ABCC4	0.955	0.7366	3.6413	0.0048	0.027	-2.11	-1.2918	none
UBOX5	0.444	0.3507	3.64	0.00481	0.027	-2.11	-0.8105	none
C15ORF53	1.161	0.9568	3.6387	0.00482	0.027	-2.11	-0.8029	none
SPDYE1	0.979	0.8388	3.6383	0.00482	0.027	-2.11	-1.415	none
CTH	0.648	0.4971	3.6382	0.00482	0.027	-2.11	-0.7886	none
NOL6	0.725	0.6685	3.6377	0.00482	0.027	-2.11	-1.1163	none
SLC26A1	0.7	0.5758	3.6371	0.00483	0.027	-2.11	0.03944	none
TWSG1	0.42	0.2924	3.6369	0.00483	0.027	-2.11	-1.2485	none
RINL	0.8	0.7154	3.6365	0.00483	0.027	-2.11	-1.0083	none
TMEM65	0.369	0.2249	3.6364	0.00483	0.027	-2.11	-0.7268	none
ANKIB1	0.886	0.7349	3.6356	0.00484	0.027	-2.12	-1.3609	none
SNAPC3	0.493	0.4004	3.6349	0.00485	0.027	-2.12	-0.4791	none
CTNNA1	0.973	0.8608	3.6342	0.00485	0.027	-2.12	-1.29	none
DDX11	0.599	0.6116	3.634	0.00485	0.027	-2.12	-0.6086	none
CAPN12	0.99	0.7761	3.6334	0.00486	0.027	-2.12	-0.8561	none
MC1R	0.42	0.3085	3.6322	0.00487	0.027	-2.12	-0.8509	none
WFDC8	0.754	0.5107	3.6321	0.00487	0.027	-2.12	-1.3851	none
TFIP11	0.716	0.654	3.6314	0.00487	0.027	-2.12	-0.4731	none
IL7R	0.971	0.7866	3.6313	0.00487	0.027	-2.12	-1.2537	none

IFI30	-0.433	-0.3991	-3.631	0.00487	0.027	-2.12	2.09932	AA-related
PLK5	0.441	0.3197	3.6307	0.00488	0.027	-2.12	-1.4091	none
ASCC2	0.722	0.6907	3.6301	0.00488	0.027	-2.13	-0.9653	none
TPGS1	0.331	0.1806	3.6297	0.00489	0.028	-2.13	-1.0148	none
SAA2	0.726	0.632	3.6291	0.00489	0.028	-2.13	-1.3588	none
GOLGA3	0.745	0.6439	3.6285	0.0049	0.028	-2.13	-1.2502	none
CLMN	0.394	0.3089	3.6284	0.0049	0.028	-2.13	-1.5498	OA-related
MAPK12	0.61	0.4884	3.6282	0.0049	0.028	-2.13	-1.3523	none
SRCAP	1.042	1.0071	3.6279	0.0049	0.028	-2.13	-0.8069	none
UBAP1L	0.443	0.3826	3.6277	0.0049	0.028	-2.13	-0.8573	none
CCDC60	0.896	0.7124	3.6275	0.0049	0.028	-2.13	-1.3024	none
STK3	0.926	0.7703	3.6264	0.00491	0.028	-2.13	-0.7745	none
ERMN	0.636	0.4962	3.6261	0.00492	0.028	-2.13	-1.2265	none
DDB1	0.402	0.2916	3.6255	0.00492	0.028	-2.13	-0.7493	none
TMEM106	0.614	0.4946	3.6249	0.00493	0.028	-2.13	-0.8386	none
ANKDD1A	0.501	0.4106	3.6242	0.00493	0.028	-2.13	-1.4884	none
CCR4	0.757	0.6309	3.623	0.00494	0.028	-2.14	-1.3594	none
RNF43	0.354	0.2947	3.6218	0.00495	0.028	-2.14	-1.2933	none
CD82	0.403	0.35	3.6217	0.00495	0.028	-2.14	-0.9043	none
ACP2	0.399	0.309	3.6212	0.00495	0.028	-2.14	-1.0764	none
SNAPC1	0.396	0.3005	3.6205	0.00496	0.028	-2.14	-1.1225	none
RGS9	0.453	0.3031	3.6205	0.00496	0.028	-2.14	-1.3238	none
HOOK3	0.97	0.8092	3.6204	0.00496	0.028	-2.14	-1.4118	none
MISP	0.874	0.6564	3.6198	0.00497	0.028	-2.14	-1.0187	none
ZFPM2	0.652	0.5196	3.6195	0.00497	0.028	-2.14	-1.2076	none
TMEM150	0.627	0.496	3.618	0.00498	0.028	-2.14	-1.1711	none
CHRN4	0.423	0.2916	3.6172	0.00499	0.028	-2.15	-0.719	none
GNB4	0.62	0.4131	3.6159	0.005	0.028	-2.15	-0.3066	none
FAM227A	0.479	0.342	3.6156	0.005	0.028	-2.15	-1.5247	none
TBC1D22A	0.594	0.4855	3.6155	0.005	0.028	-2.15	-1.268	none
LDLRAD3	0.598	0.4736	3.6138	0.00501	0.028	-2.15	-1.1686	none
SCARB1	0.468	0.4787	3.6134	0.00502	0.028	-2.15	1.14553	none
SMTNL1	0.509	0.3932	3.6133	0.00502	0.028	-2.15	-1.4037	none
ZCCHC8	0.655	0.5835	3.6128	0.00502	0.028	-2.15	-0.908	none
1-Dec	0.545	0.4307	3.6126	0.00502	0.028	-2.15	-1.2176	none
SERPIN5	0.483	0.3912	3.6126	0.00502	0.028	-2.15	-0.4282	none
MRVI1	0.832	0.617	3.6114	0.00503	0.028	-2.16	-1.1227	none
FUT4	0.422	0.2932	3.6102	0.00504	0.028	-2.16	-1.5379	OA-related
PROS1	0.586	0.3839	3.6102	0.00504	0.028	-2.16	-1.1533	none
ZNF696	0.58	0.4725	3.6096	0.00505	0.028	-2.16	-0.5549	none

MARVELD:	0.402	0.31	3.6089	0.00506	0.028	-2.16	-1.3729	none
ZBTB3	0.957	0.7016	3.6088	0.00506	0.028	-2.16	-1.1457	none
ZNF98	0.746	0.5316	3.6086	0.00506	0.028	-2.16	-1.3123	none
INPP5K	0.335	0.2296	3.6083	0.00506	0.028	-2.16	-0.0148	none
NEK2	0.357	0.2202	3.6077	0.00507	0.028	-2.16	-1.0918	none
DNAJC28	0.326	0.2298	3.6074	0.00507	0.028	-2.16	-1.4315	none
KPNA1	0.29	0.2105	3.6072	0.00507	0.028	-2.16	0.04489	none
MIS18A	-0.446	-0.3627	-3.607	0.00507	0.028	-2.16	2.00124	none
SUMO3	0.519	0.3401	3.606	0.00508	0.028	-2.16	-0.8536	none
AP5S1	0.405	0.3109	3.6042	0.00509	0.028	-2.17	-1.1475	none
PARP6	0.532	0.5529	3.6035	0.0051	0.028	-2.17	-0.2923	none
HAPLN4	0.449	0.3381	3.5994	0.00513	0.028	-2.17	-1.0912	none
FANCD2	0.622	0.6002	3.5993	0.00513	0.028	-2.18	-1.0899	none
NPL	0.743	0.5432	3.5992	0.00514	0.028	-2.18	-0.8229	none
WSB1	0.353	0.228	3.5984	0.00514	0.028	-2.18	-0.4434	none
EPHB2	0.373	0.2962	3.5981	0.00514	0.028	-2.18	-0.7792	none
TRIML2	1.054	0.8823	3.5975	0.00515	0.028	-2.18	-1.2792	none
RGMA	0.335	0.2427	3.5975	0.00515	0.028	-2.18	-1.4109	none
CHP1	0.532	0.336	3.5973	0.00515	0.028	-2.18	-1.4714	none
ANKRD42	0.429	0.3283	3.5968	0.00516	0.028	-2.18	-1.1521	none
ZNF254	0.707	0.5125	3.5967	0.00516	0.028	-2.18	-0.9818	none
RRAS2	0.419	0.3239	3.5962	0.00516	0.028	-2.18	-0.9086	none
FOCAD	0.889	0.5936	3.5959	0.00516	0.028	-2.18	-1.134	none
MIEF2	0.378	0.2128	3.5958	0.00516	0.028	-2.18	-0.4884	none
NLRP8	0.377	0.2709	3.5948	0.00517	0.029	-2.18	-1.2857	none
TAOK1	1.026	0.9884	3.5947	0.00517	0.029	-2.18	-0.9637	none
CLASRP	0.671	0.7174	3.5945	0.00517	0.029	-2.18	0.1255	none
POU5F1B	0.436	0.3124	3.594	0.00518	0.029	-2.18	-1.3333	none
NONO	0.59	0.4894	3.5932	0.00519	0.029	-2.18	-1.1671	none
SLCO3A1	0.522	0.3904	3.5931	0.00519	0.029	-2.19	-0.891	none
STAG2	0.877	0.7498	3.5926	0.00519	0.029	-2.19	-1.3994	none
RCSD1	0.574	0.4756	3.5923	0.00519	0.029	-2.19	-0.4906	none
TIGD1	0.371	0.3469	3.5917	0.0052	0.029	-2.19	-0.8626	none
CORO2A	0.589	0.4934	3.591	0.0052	0.029	-2.19	-1.5508	OA-related
ZNF496	0.522	0.4842	3.5905	0.00521	0.029	-2.19	-0.2697	none
VPS18	0.393	0.3504	3.5899	0.00521	0.029	-2.19	-1.3039	none
TAB2	0.976	0.9018	3.5897	0.00522	0.029	-2.19	-1.3195	none
MYH10	0.782	0.7512	3.589	0.00522	0.029	-2.19	-0.3737	none
DCTN6	0.517	0.2948	3.588	0.00523	0.029	-2.19	-0.9004	none
SH3TC2	0.367	0.2643	3.588	0.00523	0.029	-2.19	-0.5346	none



TCEANC	0.817	0.6276	3.5872	0.00524	0.029	-2.19	-1.1398	none
TMOD3	0.581	0.4656	3.5864	0.00524	0.029	-2.2	-0.7101	none
MDM4	0.497	0.4065	3.5862	0.00525	0.029	-2.2	-1.0362	none
IFFO1	0.472	0.4136	3.5861	0.00525	0.029	-2.2	-0.6117	none
DMKN	0.439	0.3701	3.5859	0.00525	0.029	-2.2	-0.8445	none
CCDC84	0.569	0.4148	3.5858	0.00525	0.029	-2.2	-1.316	none
TAF6	0.606	0.5164	3.5857	0.00525	0.029	-2.2	-0.8409	none
MAN2C1	0.531	0.4927	3.5834	0.00527	0.029	-2.2	-0.9196	none
SNX22	0.522	0.3941	3.5833	0.00527	0.029	-2.2	-1.4914	none
SYNJ2BP	0.484	0.3045	3.5811	0.00529	0.029	-2.2	-1.1099	none
ZNF292	0.74	0.7199	3.5806	0.00529	0.029	-2.21	-1.1611	none
DGKA	0.589	0.5239	3.58	0.0053	0.029	-2.21	-0.8047	none
PLOD3	0.492	0.378	3.5795	0.0053	0.029	-2.21	-1.4053	none
PALM2	0.31	0.2573	3.5791	0.00531	0.029	-2.21	-1.1216	none
HIVEP1	0.817	0.7382	3.5788	0.00531	0.029	-2.21	-1.2387	none
STAT2	0.64	0.5299	3.5784	0.00531	0.029	-2.21	-1.3867	none
TMIGD2	0.601	0.4432	3.5775	0.00532	0.029	-2.21	-0.6337	none
KIAA0513	0.587	0.5307	3.577	0.00532	0.029	-2.21	-1.4917	none
RPGRIP1L	0.658	0.5037	3.5763	0.00533	0.029	-2.21	-1.1213	none
MAK16	0.668	0.5764	3.5749	0.00534	0.029	-2.21	-0.877	none
TM2D1	0.559	0.3587	3.5727	0.00536	0.029	-2.22	-1.0944	none
IL17D	0.502	0.3894	3.5719	0.00537	0.029	-2.22	-0.9023	none
TONSL	0.555	0.5048	3.5699	0.00539	0.029	-2.22	-0.7023	none
IGFL4	0.5	0.3804	3.5677	0.00541	0.029	-2.23	-0.0876	none
LIMS1	0.306	0.2094	3.5676	0.00541	0.029	-2.23	-0.3344	none
SOWAHC	0.419	0.3697	3.5675	0.00541	0.029	-2.23	-1.3714	none
MYT1	0.336	0.2679	3.5657	0.00542	0.03	-2.23	-0.8945	none
BTRC	0.514	0.3405	3.5654	0.00543	0.03	-2.23	-0.1245	none
RFTN2	0.48	0.3762	3.5635	0.00544	0.03	-2.23	-1.4745	none
MRS2	0.428	0.285	3.5624	0.00545	0.03	-2.23	-0.9265	none
GINS1	0.38	0.2647	3.562	0.00546	0.03	-2.24	-1.1732	none
POLR2B	0.516	0.4053	3.5619	0.00546	0.03	-2.24	-1.3908	none
FOXK2	0.871	0.8176	3.5612	0.00546	0.03	-2.24	-0.9148	none
USP10	0.535	0.448	3.5603	0.00547	0.03	-2.24	-0.3137	none
ORC2	0.457	0.4054	3.5602	0.00547	0.03	-2.24	-0.7055	none
SAMD3	0.68	0.5827	3.5598	0.00548	0.03	-2.24	-0.3742	none
C7	0.437	0.3026	3.5592	0.00548	0.03	-2.24	-1.2276	none
MEGF11	0.36	0.2524	3.5587	0.00549	0.03	-2.24	-1.0858	none
ZFYVE16	0.67	0.59	3.5572	0.0055	0.03	-2.24	-0.0805	none
USP53	0.924	0.808	3.5571	0.0055	0.03	-2.24	-0.8777	none

ERN2	0.687	0.4458	3.5564	0.00551	0.03	-2.24	-0.8291	none
U2AF1L5	-0.317	-0.2306	-3.556	0.00551	0.03	-2.25	1.41339	none
ZDHHC21	0.611	0.4299	3.5554	0.00552	0.03	-2.25	-0.726	none
ZNF471	0.345	0.2706	3.5552	0.00552	0.03	-2.25	-0.9764	none
TGM2	0.474	0.3737	3.5549	0.00552	0.03	-2.25	-1.0788	none
WDR45	0.48	0.3247	3.5548	0.00552	0.03	-2.25	-1.0909	none
SRGAP2C	0.577	0.5093	3.5547	0.00552	0.03	-2.25	-1.1071	none
REPS2	0.313	0.2195	3.5541	0.00553	0.03	-2.25	-1.2974	none
TP53	0.448	0.331	3.5529	0.00554	0.03	-2.25	-1.511	none
FBXL2	0.491	0.3276	3.5529	0.00554	0.03	-2.25	-1.1746	none
IDE	0.615	0.5537	3.5527	0.00554	0.03	-2.25	-1.0618	none
CCDC90B	0.395	0.2401	3.5523	0.00554	0.03	-2.25	-1.005	none
KNTC1	0.737	0.6413	3.5518	0.00555	0.03	-2.25	-1.4509	none
ACVRL1	0.507	0.4735	3.5511	0.00555	0.03	-2.25	0.26937	none
MTG2	0.559	0.4773	3.5508	0.00556	0.03	-2.25	-1.1721	none
NF2	0.737	0.6583	3.5505	0.00556	0.03	-2.25	-1.502	none
RNF168	0.7	0.6452	3.5502	0.00556	0.03	-2.25	-1.346	none
TRIM66	0.856	0.8199	3.5491	0.00557	0.03	-2.26	-0.548	none
HNRNPA1	-0.276	-0.2371	-3.547	0.00559	0.03	-2.26	1.88162	none
CLDN15	0.63	0.543	3.5473	0.00559	0.03	-2.26	-0.8258	none
DBN1	0.46	0.3497	3.5472	0.00559	0.03	-2.26	-0.2761	none
SLAMF6	0.405	0.2917	3.5465	0.0056	0.03	-2.26	-1.1245	none
TPCN1	0.663	0.5906	3.5448	0.00561	0.03	-2.26	-0.8611	none
TMEM185	0.42	0.3068	3.5437	0.00562	0.03	-2.27	-1.0575	none
ACER1	0.72	0.538	3.5435	0.00562	0.03	-2.27	-0.6429	none
SLC30A2	0.548	0.3954	3.5429	0.00563	0.03	-2.27	-1.5848	OA-related
MED25	0.438	0.438	3.5429	0.00563	0.03	-2.27	-0.657	none
KLHL36	0.462	0.3865	3.5426	0.00563	0.03	-2.27	-0.8331	none
TMPRSS3	0.465	0.36	3.5424	0.00563	0.03	-2.27	-0.9555	none
ISY1	0.309	0.2245	3.5416	0.00564	0.03	-2.27	-1.2267	none
IRAK1BP1	0.482	0.3657	3.5407	0.00565	0.03	-2.27	-0.7201	none
FLVCR1	0.431	0.2854	3.5392	0.00566	0.03	-2.27	-0.5945	none
MEN1	0.66	0.5905	3.5352	0.0057	0.031	-2.28	-0.8163	none
CGNL1	0.424	0.3811	3.5348	0.0057	0.031	-2.28	-0.6756	none
PTCD1	0.664	0.6649	3.5344	0.00571	0.031	-2.28	-1.0349	none
CHD1L	0.385	0.3239	3.534	0.00571	0.031	-2.28	0.08662	none
SLC39A14	0.512	0.4201	3.5338	0.00571	0.031	-2.28	-0.3338	none
RUFY1	0.805	0.7143	3.5338	0.00571	0.031	-2.28	-1.2475	none
LMBR1L	0.681	0.4931	3.5333	0.00572	0.031	-2.28	-0.9959	none
SCHIP1	0.888	0.6535	3.5324	0.00573	0.031	-2.28	-1.1432	none

URB1	0.719	0.6971	3.5324	0.00573	0.031	-2.28	-0.9657	none
FLCN	0.638	0.5063	3.5308	0.00574	0.031	-2.29	-1.3016	none
CYTIP	-0.411	-0.4015	-3.53	0.00575	0.031	-2.29	1.92361	none
LZIC	0.423	0.2656	3.5302	0.00575	0.031	-2.29	-0.8034	none
NCF1	0.835	0.7192	3.5301	0.00575	0.031	-2.29	-0.6793	none
DISC1	0.713	0.5509	3.5294	0.00575	0.031	-2.29	-1.5979	OA-related
KSR1	0.767	0.7174	3.5289	0.00576	0.031	-2.29	-1.1021	none
WDR5B	0.463	0.3373	3.5279	0.00577	0.031	-2.29	-0.5688	none
MAU2	0.633	0.6068	3.5276	0.00577	0.031	-2.29	-0.175	none
ZRANB3	0.536	0.3734	3.527	0.00578	0.031	-2.29	-0.8285	none
VIL1	0.403	0.3502	3.5269	0.00578	0.031	-2.29	-1.029	none
PRSS53	0.344	0.2776	3.526	0.00579	0.031	-2.29	-0.3056	none
TULP4	0.918	0.8095	3.5255	0.00579	0.031	-2.29	-0.9794	none
CATSPERB	0.716	0.5427	3.5238	0.00581	0.031	-2.3	-0.3848	none
DHRS7B	0.378	0.2531	3.5238	0.00581	0.031	-2.3	-1.0787	none
SELENBP1	0.426	0.261	3.523	0.00581	0.031	-2.3	-0.5677	none
RHPN2	0.533	0.3896	3.5208	0.00584	0.031	-2.3	-0.512	none
REL	0.86	0.8273	3.5203	0.00584	0.031	-2.3	-1.22	none
DENND4B	0.666	0.6414	3.52	0.00584	0.031	-2.3	-1.1263	none
HMCN2	0.408	0.2795	3.519	0.00585	0.031	-2.31	-0.9716	none
CENPL	0.345	0.1976	3.518	0.00586	0.031	-2.31	-1.3387	none
DCUN1D2	0.81	0.6887	3.518	0.00586	0.031	-2.31	-0.8001	none
PLS1	0.611	0.4854	3.5177	0.00587	0.031	-2.31	-0.3514	none
RGPD5	0.803	0.6596	3.5176	0.00587	0.031	-2.31	-0.9261	none
C17ORF51	0.57	0.4409	3.5176	0.00587	0.031	-2.31	-1.2538	none
LRG1	0.697	0.5701	3.5168	0.00587	0.031	-2.31	-1.4588	none
GATM	0.619	0.4374	3.5168	0.00587	0.031	-2.31	-0.7639	none
ITPR1	0.603	0.552	3.5159	0.00588	0.031	-2.31	-0.9983	none
FOXP1	0.772	0.696	3.5155	0.00589	0.031	-2.31	-1.4151	none
TPI1	-0.357	-0.2653	-3.514	0.0059	0.031	-2.31	1.84854	none
MAMLD1	0.826	0.6369	3.511	0.00593	0.031	-2.32	-1.0373	none
CLIC1	-0.379	-0.319	-3.511	0.00594	0.031	-2.32	2.21923	AA-related
TM4SF18	0.721	0.5079	3.5093	0.00595	0.031	-2.32	-1.2747	none
CBS	0.502	0.3355	3.5089	0.00595	0.031	-2.32	-0.5283	none
EEF1A1	-0.428	-0.4046	-3.509	0.00595	0.031	-2.32	1.40704	none
DAP3	0.248	0.128	3.5077	0.00596	0.032	-2.32	-0.766	none
C16ORF58	0.393	0.3603	3.5075	0.00596	0.032	-2.32	-0.7693	none
DPF1	0.415	0.2858	3.5074	0.00597	0.032	-2.32	-1.3754	none
PPARD	0.561	0.5121	3.5069	0.00597	0.032	-2.33	-1.305	none
FAM234B	0.421	0.3234	3.5066	0.00597	0.032	-2.33	-1.3143	none

MACROD2	0.558	0.4475	3.5064	0.00598	0.032	-2.33	-0.9775	none
CPA4	0.543	0.4335	3.5064	0.00598	0.032	-2.33	-1.1546	none
MPP5	0.687	0.5755	3.5063	0.00598	0.032	-2.33	-0.6931	none
STX2	0.706	0.5608	3.5056	0.00598	0.032	-2.33	-0.7401	none
OR5A1	0.274	0.1973	3.5055	0.00598	0.032	-2.33	-1.5245	none
TFEB	0.517	0.4485	3.5032	0.00601	0.032	-2.33	0.11422	none
CCDC7	0.553	0.4224	3.503	0.00601	0.032	-2.33	0.2125	none
GAS7	0.372	0.2666	3.5027	0.00601	0.032	-2.33	-0.5357	none
BTBD18	0.275	0.2347	3.5023	0.00602	0.032	-2.33	-0.7617	none
SKP1	-0.375	-0.367	-3.501	0.00603	0.032	-2.33	1.95626	none
MCM4	0.837	0.7627	3.5012	0.00603	0.032	-2.33	-0.6333	none
HERC6	0.554	0.4793	3.4982	0.00606	0.032	-2.34	-0.2437	none
TYR	0.456	0.2933	3.4979	0.00606	0.032	-2.34	-0.9817	none
GRB2	0.35	0.275	3.4977	0.00606	0.032	-2.34	-1.269	none
SPIB	0.598	0.4028	3.4973	0.00606	0.032	-2.34	-1.3857	none
ZNF124	0.488	0.3642	3.4968	0.00607	0.032	-2.34	-0.8937	none
PFDN6	-0.303	-0.2302	-3.497	0.00607	0.032	-2.34	2.14829	AA-related
ERI1	0.389	0.2938	3.4961	0.00608	0.032	-2.34	-0.6509	none
ST7L	0.89	0.7186	3.4959	0.00608	0.032	-2.34	-0.6344	none
ZNF540	0.478	0.3517	3.4938	0.0061	0.032	-2.35	-0.7397	none
FASTKD1	0.401	0.276	3.4922	0.00612	0.032	-2.35	0.27409	none
SCN1A	0.427	0.3032	3.4903	0.00614	0.032	-2.35	-1.2217	none
6-Mar	0.436	0.2987	3.4891	0.00615	0.032	-2.35	-1.3491	none
GSPT1	0.526	0.4456	3.4884	0.00615	0.032	-2.36	-1.3095	none
KCTD18	0.488	0.3462	3.4879	0.00616	0.032	-2.36	-1.1702	none
GGA2	0.567	0.5012	3.4878	0.00616	0.032	-2.36	-0.6189	none
PPP1R15B	0.37	0.3069	3.4878	0.00616	0.032	-2.36	-1.0777	none
PACSIN2	0.931	0.8511	3.4877	0.00616	0.032	-2.36	-1.1829	none
SLC30A7	0.592	0.4108	3.4876	0.00616	0.032	-2.36	-1.309	none
GFPT1	0.363	0.2269	3.4861	0.00618	0.032	-2.36	-1.2041	none
METTL22	0.35	0.2928	3.4855	0.00618	0.032	-2.36	-0.6772	none
ASAH1	0.373	0.199	3.4849	0.00619	0.032	-2.36	-0.2135	none
PDE4DIP	0.747	0.6969	3.4847	0.00619	0.032	-2.36	-1.1041	none
RUFY2	0.721	0.6184	3.484	0.0062	0.032	-2.36	-0.8822	none
MAP3K13	0.275	0.1384	3.4835	0.0062	0.032	-2.36	-0.4304	none
KLRD1	0.576	0.4458	3.4825	0.00621	0.032	-2.37	-0.8622	none
PRDX1	-0.483	-0.4588	-3.483	0.00621	0.032	-2.37	2.33016	AA-related
ARRDC3	0.508	0.3183	3.4816	0.00622	0.032	-2.37	-1.0004	none
ESPL1	0.643	0.6392	3.4814	0.00623	0.032	-2.37	-1.0376	none
TROAP	0.364	0.299	3.4808	0.00623	0.033	-2.37	-1.3587	none

TTN	0.466	0.3086	3.4801	0.00624	0.033	-2.37	0.0301	none
LRRFIP1	1.099	1.0377	3.4798	0.00624	0.033	-2.37	-1.1016	none
ACP7	0.454	0.3042	3.4795	0.00624	0.033	-2.37	-1.1359	none
SLC23A3	0.51	0.4518	3.4791	0.00625	0.033	-2.37	-0.353	none
SMARCB1	0.839	0.6759	3.4784	0.00626	0.033	-2.37	-1.181	none
ZNF718	0.412	0.2836	3.4776	0.00626	0.033	-2.37	-1.0849	none
UGT8	0.42	0.3012	3.4764	0.00628	0.033	-2.38	-1.3255	none
TNFSF14	0.815	0.7418	3.4741	0.0063	0.033	-2.38	-1.0588	none
RCOR3	0.512	0.4323	3.4728	0.00631	0.033	-2.38	-1.2832	none
ZBED1	0.67	0.5752	3.4712	0.00633	0.033	-2.38	-0.967	none
SEC31B	0.471	0.4234	3.4712	0.00633	0.033	-2.38	-1.2067	none
STRN4	0.691	0.6318	3.4707	0.00634	0.033	-2.38	-1.5136	none
ARHGAP27	0.552	0.5331	3.4701	0.00634	0.033	-2.39	-0.2214	none
PPIL3	0.52	0.3083	3.4698	0.00635	0.033	-2.39	-0.8169	none
FAF1	0.499	0.4113	3.4684	0.00636	0.033	-2.39	-1.1044	none
CLUAP1	0.757	0.6514	3.4682	0.00636	0.033	-2.39	-1.0328	none
CNOT2	0.601	0.4853	3.468	0.00636	0.033	-2.39	-1.2736	none
CAPN2	0.794	0.741	3.4679	0.00636	0.033	-2.39	-0.1017	none
CD302	0.378	0.2764	3.4674	0.00637	0.033	-2.39	-0.7664	none
COG3	0.644	0.5667	3.467	0.00637	0.033	-2.39	-0.4124	none
ACBD4	0.615	0.4619	3.4666	0.00638	0.033	-2.39	-0.3079	none
FUZ	0.537	0.4051	3.466	0.00638	0.033	-2.39	-1.1707	none
BTBD8	0.642	0.5364	3.4658	0.00639	0.033	-2.39	-0.8535	none
POLR2J3	0.647	0.4891	3.465	0.00639	0.033	-2.39	-1.2501	none
TMEM138	0.383	0.2616	3.4647	0.0064	0.033	-2.39	-1.3745	none
MFN1	0.347	0.2393	3.4638	0.00641	0.033	-2.4	-0.6125	none
MIB2	0.403	0.3151	3.4631	0.00641	0.033	-2.4	0.28767	none
DCTN4	0.579	0.4368	3.4629	0.00642	0.033	-2.4	-0.9506	none
ZNF57	0.456	0.3622	3.4628	0.00642	0.033	-2.4	-0.3052	none
CAPN7	0.734	0.6356	3.4623	0.00642	0.033	-2.4	-0.9417	none
ZNF610	0.551	0.4761	3.4604	0.00644	0.033	-2.4	-0.7823	none
AKAP7	0.684	0.5336	3.4596	0.00645	0.033	-2.4	-0.8553	none
RIMBP3C	0.323	0.2608	3.4591	0.00646	0.033	-2.4	-1.3523	none
SLX4	0.67	0.647	3.4572	0.00648	0.033	-2.41	-1.0079	none
RPL7L1	0.765	0.6963	3.4561	0.00649	0.034	-2.41	-1.0145	none
CCNJL	0.75	0.5727	3.4555	0.0065	0.034	-2.41	-1.2457	none
VAMP4	-0.505	-0.4835	-3.455	0.0065	0.034	-2.41	1.41059	none
PAG1	0.792	0.6346	3.455	0.0065	0.034	-2.41	-0.922	none
PECAM1	0.539	0.4278	3.4537	0.00651	0.034	-2.41	-0.4763	none
IRS2	0.346	0.2471	3.4537	0.00652	0.034	-2.41	-1.3533	none

CYB5D1	0.544	0.4772	3.4534	0.00652	0.034	-2.41	-1.3255	none
CHMP7	0.337	0.2834	3.4532	0.00652	0.034	-2.41	-1.0661	none
FGF13	0.467	0.3454	3.453	0.00652	0.034	-2.41	-1.3277	none
NLGN4Y	0.408	0.2863	3.4529	0.00652	0.034	-2.41	0.20554	none
GMEB1	0.571	0.4522	3.4523	0.00653	0.034	-2.41	-1.1719	none
TNFRSF13I	0.391	0.325	3.4511	0.00654	0.034	-2.42	-0.5374	none
PMS2	0.629	0.5806	3.4511	0.00654	0.034	-2.42	-0.905	none
NFKBIB	0.458	0.3957	3.4507	0.00655	0.034	-2.42	-1.401	none
SERPINB9	0.326	0.2147	3.4498	0.00656	0.034	-2.42	-1.537	OA-related
PHKG1	0.639	0.4765	3.4494	0.00656	0.034	-2.42	-0.0438	none
ATP13A1	0.554	0.5607	3.4488	0.00657	0.034	-2.42	-1.0693	none
EIF6	-0.403	-0.3505	-3.447	0.00658	0.034	-2.42	2.4786	AA-related
CENPI	0.577	0.4714	3.4452	0.00661	0.034	-2.43	-1.0363	none
FOXRED2	0.653	0.6119	3.445	0.00661	0.034	-2.43	-0.8041	none
OGT	0.551	0.4391	3.4444	0.00661	0.034	-2.43	-0.9937	none
DBI	-0.367	-0.3553	-3.444	0.00662	0.034	-2.43	2.20389	AA-related
ICMT	0.382	0.3165	3.4431	0.00663	0.034	-2.43	0.69302	none
CTDSPL2	0.469	0.3182	3.4427	0.00663	0.034	-2.43	-0.6671	none
AP2A2	0.835	0.7455	3.4412	0.00665	0.034	-2.43	-1.364	none
PNKP	0.382	0.298	3.441	0.00665	0.034	-2.43	-0.9828	none
KAT7	0.546	0.46	3.4406	0.00666	0.034	-2.43	-1.3955	none
CRELD1	0.461	0.3709	3.4402	0.00666	0.034	-2.43	-0.3246	none
TRRAP	1.134	1.0895	3.4395	0.00667	0.034	-2.44	-1.0881	none
KLHL30	0.291	0.208	3.4376	0.00669	0.034	-2.44	-1.3532	none
NEU3	0.349	0.3388	3.4376	0.00669	0.034	-2.44	-0.4133	none
HLTF	1.001	0.8931	3.4364	0.0067	0.034	-2.44	-1.2837	none
VHL	0.713	0.6511	3.4362	0.00671	0.034	-2.44	-0.7946	none
RANBP3	0.815	0.747	3.436	0.00671	0.034	-2.44	-1.2939	none
TMEM38A	0.535	0.3783	3.4357	0.00671	0.034	-2.44	-0.4929	none
BUB1B	0.818	0.7283	3.4347	0.00672	0.034	-2.44	-0.9985	none
HSH2D	0.424	0.3983	3.4336	0.00673	0.034	-2.44	-1.2306	none
JADE1	0.383	0.3395	3.4315	0.00676	0.034	-2.45	-0.8586	none
RPP38	0.334	0.2881	3.4311	0.00676	0.035	-2.45	-0.19	none
NUMBL	0.616	0.5666	3.4283	0.00679	0.035	-2.45	-0.6748	none
INSL3	0.6	0.469	3.4282	0.00679	0.035	-2.45	-0.5981	none
BIVM	0.547	0.4968	3.428	0.0068	0.035	-2.45	-0.6042	none
LONRF2	0.331	0.2405	3.4269	0.00681	0.035	-2.46	-1.323	none
STRBP	0.898	0.8092	3.4265	0.00681	0.035	-2.46	-1.098	none
OR8H2	0.397	0.2838	3.4264	0.00681	0.035	-2.46	-1.2427	none
PEX11G	-0.626	-0.5186	-3.426	0.00682	0.035	-2.46	0.17983	none

PCDHGA1	0.297	0.2202	3.4253	0.00683	0.035	-2.46	-1.2011	none
NDUFS1	0.257	0.1721	3.4247	0.00683	0.035	-2.46	0.33311	none
NACA	-0.275	-0.2291	-3.424	0.00684	0.035	-2.46	2.04356	none
PPARGC1E	0.523	0.5026	3.4239	0.00684	0.035	-2.46	-0.8926	none
NCR1	0.327	0.2108	3.4239	0.00684	0.035	-2.46	-1.1223	none
ATP1A2	0.531	0.426	3.4237	0.00684	0.035	-2.46	-0.9078	none
RASSF8	0.627	0.506	3.4236	0.00685	0.035	-2.46	-1.2523	none
TSPYL1	0.496	0.3619	3.4231	0.00685	0.035	-2.46	-1.5314	none
MRPS17	0.593	0.411	3.4218	0.00687	0.035	-2.46	-1.2158	none
CHRNA5	0.518	0.3279	3.421	0.00687	0.035	-2.47	-1.0343	none
EEF1AKM1	-0.388	-0.3678	-3.421	0.00688	0.035	-2.47	1.1453	none
SAMD4A	0.549	0.3537	3.4207	0.00688	0.035	-2.47	-1.486	none
MATK	0.38	0.2935	3.4202	0.00688	0.035	-2.47	-1.204	none
HIST1H4E	0.303	0.1853	3.4201	0.00688	0.035	-2.47	-0.4683	none
MON2	0.67	0.5905	3.4198	0.00689	0.035	-2.47	-1.0284	none
CCT7	-0.337	-0.2845	-3.419	0.0069	0.035	-2.47	2.13855	AA-related
SCO1	0.307	0.262	3.4178	0.00691	0.035	-2.47	-1.003	none
SGO2	1.014	0.8924	3.415	0.00694	0.035	-2.48	-1.2026	none
ABHD2	0.456	0.2934	3.4147	0.00695	0.035	-2.48	-0.4922	none
RGR	0.387	0.2893	3.4145	0.00695	0.035	-2.48	-0.7712	none
NBEAL2	0.821	0.8804	3.4135	0.00696	0.035	-2.48	-0.7531	none
TNNC1	0.741	0.6476	3.412	0.00698	0.035	-2.48	-0.0313	none
GPR141	0.565	0.388	3.412	0.00698	0.035	-2.48	0.28158	none
DEF8	0.428	0.3381	3.4117	0.00698	0.035	-2.48	-1.1658	none
VPS39	0.769	0.722	3.4105	0.00699	0.035	-2.48	-1.1279	none
HIST2H3A	0.331	0.2571	3.4061	0.00704	0.036	-2.49	-1.3184	none
HIST2H3C	0.331	0.2571	3.4061	0.00704	0.036	-2.49	-1.3184	none
CYLD	0.391	0.2568	3.4058	0.00705	0.036	-2.49	-0.6147	none
KLHL11	0.481	0.4027	3.4055	0.00705	0.036	-2.49	-1.1466	none
PKM	-0.288	-0.1753	-3.404	0.00707	0.036	-2.49	2.01049	none
UGDH	0.327	0.2164	3.4034	0.00708	0.036	-2.49	-0.9694	none
SUZ12	0.857	0.7544	3.4031	0.00708	0.036	-2.49	-1.2167	none
FABP5	-0.506	-0.4523	-3.403	0.00709	0.036	-2.5	2.23443	AA-related
POMT1	0.321	0.1978	3.4014	0.0071	0.036	-2.5	-1.0279	none
DGKB	0.77	0.5471	3.401	0.00711	0.036	-2.5	-1.4286	none
STX7	0.524	0.3491	3.4009	0.00711	0.036	-2.5	-0.8917	none
DCLK1	0.404	0.3389	3.3986	0.00713	0.036	-2.5	-0.2892	none
C9ORF50	0.448	0.3252	3.3979	0.00714	0.036	-2.5	-1.2214	none
AP4S1	0.547	0.3764	3.3978	0.00714	0.036	-2.5	-1.0252	none
CENPK	0.577	0.3992	3.3973	0.00715	0.036	-2.5	-0.8257	none

FOXJ3	0.49	0.3617	3.3965	0.00716	0.036	-2.51	-0.5553	none
DMC1	0.53	0.3238	3.3955	0.00717	0.036	-2.51	-0.8634	none
PRRT3	0.531	0.5026	3.3944	0.00718	0.036	-2.51	-0.8227	none
C16ORF70	0.4	0.2731	3.3942	0.00719	0.036	-2.51	-1.0898	none
MTRNR2L1	-0.252	-0.1635	-3.394	0.00719	0.036	-2.51	1.00509	none
KCNC2	0.792	0.66	3.3929	0.0072	0.036	-2.51	0.36157	none
CLDN5	0.385	0.3163	3.3929	0.0072	0.036	-2.51	-0.4368	none
ZNF417	0.59	0.5419	3.3919	0.00721	0.036	-2.51	-0.3538	none
RAD51	0.65	0.4925	3.3916	0.00722	0.036	-2.51	-1.3986	none
CSGALNAC3	0.661	0.5731	3.391	0.00722	0.036	-2.51	-1.1106	none
PTPRZ1	0.765	0.6152	3.3907	0.00723	0.036	-2.52	-0.8192	none
AKIP1	0.457	0.2817	3.3905	0.00723	0.036	-2.52	-1.3363	none
GNE	0.757	0.649	3.3904	0.00723	0.036	-2.52	-0.4279	none
SEMA3B	0.306	0.1804	3.3889	0.00725	0.036	-2.52	-0.6754	none
NUP188	0.744	0.7028	3.3888	0.00725	0.036	-2.52	-1.047	none
NFE2L2	0.465	0.4169	3.3887	0.00725	0.036	-2.52	-0.4814	none
SCUBE2	0.699	0.5765	3.3879	0.00726	0.036	-2.52	0.47672	none
RINT1	0.767	0.5439	3.3875	0.00726	0.036	-2.52	-0.6133	none
ALDH1L1	0.627	0.4856	3.3867	0.00727	0.036	-2.52	-0.9355	none
DYNLRB1	-0.391	-0.3936	-3.387	0.00728	0.036	-2.52	2.12252	AA-related
SULT1A4	0.623	0.4495	3.3863	0.00728	0.036	-2.52	-0.65	none
BRCA1	1.066	1.0199	3.3859	0.00728	0.036	-2.52	-1.1712	none
TEX9	0.639	0.4933	3.3843	0.0073	0.036	-2.53	-1.4599	none
RNF135	0.372	0.2769	3.3839	0.00731	0.037	-2.53	-0.0818	none
AC010287	1.046	0.8163	3.3833	0.00732	0.037	-2.53	-1.0849	none
SEC61A2	0.443	0.301	3.3833	0.00732	0.037	-2.53	-0.1712	none
RMDN1	0.455	0.2972	3.3832	0.00732	0.037	-2.53	-0.8447	none
MUC1	0.546	0.6151	3.3819	0.00733	0.037	-2.53	0.82845	none
ZYG11B	0.464	0.3422	3.3808	0.00735	0.037	-2.53	-0.9675	none
VEGFA	0.376	0.4307	3.3808	0.00735	0.037	-2.53	0.60034	none
SLC2A11	0.439	0.2203	3.3802	0.00735	0.037	-2.53	-1.0495	none
EPM2AIP1	0.525	0.3615	3.3797	0.00736	0.037	-2.53	-1.444	none
NR1I3	0.697	0.5828	3.379	0.00737	0.037	-2.53	-0.8323	none
ENTPD3	1.019	0.702	3.3786	0.00737	0.037	-2.53	-0.3099	none
PLCB1	0.789	0.5787	3.3784	0.00738	0.037	-2.54	-0.5538	none
TMEM241	0.378	0.2315	3.3782	0.00738	0.037	-2.54	-0.5259	none
PLBD2	0.642	0.5809	3.3781	0.00738	0.037	-2.54	-0.7482	none
FBXO48	0.38	0.2816	3.378	0.00738	0.037	-2.54	-1.4031	none
PIGG	0.541	0.4274	3.3775	0.00739	0.037	-2.54	-1.1468	none
CRKL	0.441	0.3638	3.3768	0.00739	0.037	-2.54	0.15089	none



ELL	0.47	0.425	3.3764	0.0074	0.037	-2.54	0.24802	none
RNF149	0.364	0.2169	3.3763	0.0074	0.037	-2.54	-0.6258	none
AMER3	0.291	0.2195	3.3744	0.00742	0.037	-2.54	-1.1084	none
NPIP3	1.006	1.0493	3.3744	0.00742	0.037	-2.54	-0.7325	none
GLCC1	0.491	0.3715	3.3743	0.00742	0.037	-2.54	-1.0114	none
METTL2A	0.388	0.266	3.3741	0.00743	0.037	-2.54	-0.7499	none
OR4F15	0.492	0.3167	3.3738	0.00743	0.037	-2.54	-1.2413	none
DDX3X	0.573	0.4881	3.3736	0.00743	0.037	-2.54	-1.1008	none
C10ORF95	0.418	0.302	3.3735	0.00743	0.037	-2.54	-1.431	none
DNAJA4	0.484	0.4636	3.3728	0.00744	0.037	-2.54	-1.1793	none
SV2A	0.477	0.3025	3.3726	0.00745	0.037	-2.54	-1.4179	none
IBTK	0.398	0.2959	3.3726	0.00745	0.037	-2.54	-1.3614	none
PRPH2	0.335	0.2125	3.3723	0.00745	0.037	-2.55	-0.6873	none
GGT1	-0.341	-0.2647	-3.372	0.00745	0.037	-2.55	2.56722	AA-related
STK10	0.87	0.8492	3.3717	0.00746	0.037	-2.55	-0.9953	none
C12ORF66	0.404	0.2627	3.3715	0.00746	0.037	-2.55	-0.51	none
RASA4B	0.509	0.5035	3.3712	0.00746	0.037	-2.55	-0.6273	none
ZNF354A	0.646	0.599	3.3702	0.00748	0.037	-2.55	-0.4401	none
ZNF266	0.502	0.4408	3.37	0.00748	0.037	-2.55	-0.9908	none
GRPEL1	-0.283	-0.2407	-3.37	0.00748	0.037	-2.55	2.56947	AA-related
TTF1	0.954	0.8815	3.3699	0.00748	0.037	-2.55	-1.1403	none
GUF1	0.454	0.3582	3.3698	0.00748	0.037	-2.55	-0.7018	none
LRAT	0.318	0.2272	3.3692	0.00749	0.037	-2.55	-1.139	none
NBPF19	0.672	0.7281	3.3689	0.00749	0.037	-2.55	-0.7196	none
UBE2G2	0.41	0.3224	3.3683	0.0075	0.037	-2.55	-0.5038	none
PER2	0.749	0.6649	3.3679	0.0075	0.037	-2.55	-1.1944	none
MPLKIP	0.457	0.2859	3.3663	0.00752	0.037	-2.56	-1.0443	none
CHDH	0.329	0.208	3.3646	0.00754	0.037	-2.56	-1.3284	none
CPS1	0.557	0.417	3.3636	0.00756	0.037	-2.56	-1.0124	none
XPO4	0.418	0.2884	3.3636	0.00756	0.037	-2.56	0.27736	none
DUSP2	-0.638	-0.4856	-3.363	0.00756	0.037	-2.56	1.23014	none
BSDC1	0.418	0.3875	3.363	0.00756	0.037	-2.56	-1.0358	none
NOSTRIN	0.67	0.4591	3.3627	0.00757	0.037	-2.56	-0.2448	none
TESC	0.413	0.2959	3.3626	0.00757	0.037	-2.56	-0.6673	none
C9ORF57	0.291	0.2037	3.3621	0.00758	0.037	-2.56	-1.3289	none
KYAT1	0.903	0.7406	3.362	0.00758	0.037	-2.56	-0.223	none
CLASP1	0.976	0.9474	3.3612	0.00759	0.037	-2.56	-0.7627	none
EHD2	0.627	0.4011	3.3611	0.00759	0.037	-2.56	-1.1108	none
ZNF256	0.35	0.2661	3.3606	0.00759	0.037	-2.56	0.71933	none
ZNF813	0.597	0.5139	3.3596	0.00761	0.037	-2.57	-1.4386	none

EPPIN	0.318	0.2178	3.3589	0.00762	0.037	-2.57	-0.6803	none
PEX5L	0.331	0.2783	3.3578	0.00763	0.037	-2.57	-1.2571	none
PREPL	0.856	0.6766	3.3573	0.00764	0.038	-2.57	-1.1365	none
P2RX7	0.68	0.63	3.3567	0.00764	0.038	-2.57	-1.2422	none
SLC9A1	0.645	0.6178	3.3565	0.00765	0.038	-2.57	-1.1104	none
MYO1F	0.801	0.7135	3.3564	0.00765	0.038	-2.57	-1.42	none
ESPN	-0.33	-0.2186	-3.356	0.00765	0.038	-2.57	2.56567	AA-related
PLIN2	0.381	0.3279	3.3549	0.00767	0.038	-2.57	0.45113	none
YWHAZ	-0.278	-0.2665	-3.355	0.00767	0.038	-2.57	1.5326	none
ZNF860	0.282	0.1988	3.3548	0.00767	0.038	-2.57	-1.4644	none
WDTC1	0.397	0.36	3.3542	0.00768	0.038	-2.58	-0.8334	none
EID1	-0.352	-0.3219	-3.353	0.00769	0.038	-2.58	2.30876	AA-related
SNRPD1	-0.473	-0.4344	-3.353	0.0077	0.038	-2.58	2.51144	AA-related
GJB4	0.279	0.202	3.3517	0.00771	0.038	-2.58	-1.5827	OA-related
SPACA7	0.364	0.2836	3.3516	0.00771	0.038	-2.58	-0.8178	none
PDK1	0.409	0.3442	3.3513	0.00771	0.038	-2.58	0.15638	none
EMC4	0.439	0.2735	3.351	0.00772	0.038	-2.58	-1.2936	none
MCFD2	0.556	0.4393	3.3503	0.00772	0.038	-2.58	-1.4264	none
ATF6B	0.782	0.5861	3.35	0.00773	0.038	-2.58	-1.1114	none
COPS2	0.58	0.4537	3.35	0.00773	0.038	-2.58	-0.7168	none
EXOSC2	0.384	0.2943	3.3495	0.00774	0.038	-2.58	-1.1749	none
ADAM32	0.635	0.5278	3.3495	0.00774	0.038	-2.58	-0.2171	none
SP140L	0.869	0.7877	3.3477	0.00776	0.038	-2.59	-1.1274	none
P3H2	0.873	0.7253	3.347	0.00777	0.038	-2.59	-1.3577	none
NAP1L1	-0.269	-0.2363	-3.347	0.00777	0.038	-2.59	1.85865	none
ST8SIA4	0.462	0.3368	3.3466	0.00777	0.038	-2.59	-0.2619	none
IFI35	0.413	0.2447	3.3465	0.00777	0.038	-2.59	-1.1304	none
EGFL7	-0.354	-0.315	-3.346	0.00777	0.038	-2.59	1.73783	none
XRCC2	0.508	0.471	3.3463	0.00778	0.038	-2.59	-1.3273	none
KCNAB3	0.594	0.5227	3.3444	0.0078	0.038	-2.59	-0.9586	none
ANKRD9	0.539	0.4264	3.3439	0.00781	0.038	-2.59	-1.1352	none
SLC2A8	0.578	0.4403	3.3436	0.00781	0.038	-2.59	-0.2691	none
ZDBF2	0.456	0.4298	3.3433	0.00782	0.038	-2.59	-0.9008	none
EPS8L2	-0.709	-0.4705	-3.343	0.00782	0.038	-2.59	1.8698	none
BAHCC1	-0.28	-0.1958	-3.342	0.00783	0.038	-2.59	1.26297	none
TMSB4X	-0.442	-0.4214	-3.342	0.00783	0.038	-2.6	2.04448	none
DRAM1	0.535	0.3373	3.3417	0.00784	0.038	-2.6	-0.9848	none
SAMHD1	0.656	0.5206	3.341	0.00785	0.038	-2.6	-1.2153	none
ERGIC1	0.293	0.2144	3.3389	0.00787	0.038	-2.6	-1.1261	none
GRM7	0.514	0.4089	3.3383	0.00788	0.038	-2.6	-1.2804	none

AVIL	0.599	0.4743	3.3378	0.00789	0.038	-2.6	-0.7591	none
IFNAR1	0.632	0.5233	3.3373	0.00789	0.038	-2.6	-1.0185	none
CPT2	0.53	0.4371	3.3373	0.00789	0.038	-2.6	-0.457	none
HLA-G	0.746	0.4802	3.3362	0.00791	0.038	-2.6	-0.3641	none
ZC3H10	0.491	0.3989	3.3359	0.00791	0.038	-2.6	-0.843	none
ADRA1A	0.613	0.3853	3.3348	0.00793	0.038	-2.61	-0.9272	none
TMEM231	0.456	0.2621	3.334	0.00794	0.038	-2.61	-0.9272	none
ZNF736	0.483	0.2999	3.3334	0.00794	0.039	-2.61	-0.7708	none
GALR1	0.267	0.192	3.3331	0.00795	0.039	-2.61	-0.8349	none
BDKRB1	0.594	0.44	3.3324	0.00796	0.039	-2.61	-0.9104	none
C3ORF49	1.258	0.9439	3.3322	0.00796	0.039	-2.61	-1.4252	none
QKI	0.66	0.5491	3.3322	0.00796	0.039	-2.61	-1.473	none
SLC14A1	0.581	0.4999	3.3306	0.00798	0.039	-2.61	-1.2378	none
GPATCH8	0.979	0.9762	3.3304	0.00798	0.039	-2.61	-0.8007	none
CLEC7A	0.338	0.1838	3.3303	0.00798	0.039	-2.61	-0.9946	none
GNAI3	0.278	0.1561	3.3293	0.008	0.039	-2.62	-0.8184	none
C3ORF22	0.274	0.274	3.3288	0.008	0.039	-2.62	-0.2214	none
TRPM7	0.934	0.8215	3.3287	0.00801	0.039	-2.62	-1.3666	none
RRNAD1	0.663	0.5131	3.3282	0.00801	0.039	-2.62	-1.0399	none
FBXO45	0.377	0.2592	3.3281	0.00801	0.039	-2.62	-1.1896	none
ESR2	0.421	0.3122	3.3273	0.00802	0.039	-2.62	-1.1269	none
AAK1	0.617	0.5613	3.3273	0.00803	0.039	-2.62	-1.0067	none
MBNL3	0.498	0.3872	3.327	0.00803	0.039	-2.62	-1.2094	none
CD27	-0.383	-0.333	-3.327	0.00803	0.039	-2.62	1.75282	none
DPP9	0.645	0.6084	3.3266	0.00803	0.039	-2.62	-0.9692	none
NR2C1	0.571	0.4854	3.3255	0.00805	0.039	-2.62	-0.9745	none
TUBGCP5	0.671	0.5674	3.3251	0.00805	0.039	-2.62	-0.2	none
GLYATL2	0.307	0.2377	3.3248	0.00806	0.039	-2.62	-0.5341	none
ANKRD36C	0.588	0.5488	3.3237	0.00807	0.039	-2.62	-0.4197	none
RNASEL	0.432	0.3755	3.3235	0.00808	0.039	-2.63	-1.1063	none
CCDC8	0.267	0.2115	3.3234	0.00808	0.039	-2.63	-1.2499	none
PAFAH1B1	0.376	0.2602	3.3233	0.00808	0.039	-2.63	-1.5066	none
FPR1	0.437	0.3356	3.3232	0.00808	0.039	-2.63	-0.2606	none
G6PC3	0.548	0.4433	3.3231	0.00808	0.039	-2.63	-1.0956	none
ZNF614	0.74	0.6013	3.3222	0.00809	0.039	-2.63	-1.4515	none
EDA	0.551	0.4423	3.322	0.0081	0.039	-2.63	-0.2186	none
WBP1L	0.46	0.3535	3.3218	0.0081	0.039	-2.63	-1.1911	none
C14ORF93	0.579	0.5022	3.3209	0.00811	0.039	-2.63	-0.8133	none
DUSP4	-0.345	-0.2352	-3.32	0.00812	0.039	-2.63	0.972	none
PGK1	-0.451	-0.4075	-3.32	0.00812	0.039	-2.63	2.42384	AA-related

SPDYE2B	0.631	0.5525	3.3197	0.00813	0.039	-2.63	-1.2749	none
LRRC74B	0.479	0.3678	3.3195	0.00813	0.039	-2.63	-1.4475	none
IPO5	0.493	0.4264	3.3195	0.00813	0.039	-2.63	-0.8906	none
ARAF	0.459	0.337	3.3187	0.00814	0.039	-2.63	-1.1035	none
NETO2	0.483	0.3505	3.3184	0.00814	0.039	-2.63	-0.7356	none
ZNF75A	0.627	0.5573	3.3182	0.00815	0.039	-2.63	-1.425	none
ZNF574	0.411	0.3683	3.3177	0.00815	0.039	-2.63	-0.8001	none
RBM43	0.5	0.3948	3.317	0.00816	0.039	-2.64	-1.5855	OA-related
PRPSAP2	0.387	0.2289	3.3167	0.00817	0.039	-2.64	-0.9047	none
AIM2	0.548	0.4317	3.3166	0.00817	0.039	-2.64	-0.9908	none
RTCB	-0.302	-0.2615	-3.316	0.00817	0.039	-2.64	2.51638	AA-related
L3MBTL3	0.683	0.5503	3.3161	0.00818	0.039	-2.64	0.06919	none
MTHFD1L	0.465	0.4004	3.3155	0.00818	0.039	-2.64	-1.0785	none
PIPOX	0.76	0.5391	3.3138	0.00821	0.039	-2.64	-0.6519	none
TLR7	0.385	0.2796	3.3132	0.00821	0.039	-2.64	-1.4464	none
DHX40	0.326	0.1561	3.3129	0.00822	0.039	-2.64	-0.6078	none
HHLA2	0.765	0.6074	3.3129	0.00822	0.039	-2.64	-0.6034	none
TMEM41B	0.488	0.2984	3.3125	0.00822	0.039	-2.64	-1.0976	none
RND2	0.543	0.4572	3.3122	0.00823	0.039	-2.64	-0.5789	none
FANCI	0.603	0.5488	3.3121	0.00823	0.039	-2.64	-0.7135	none
ARFIP1	0.666	0.493	3.3115	0.00824	0.039	-2.65	-0.4533	none
ZNF594	0.566	0.4844	3.311	0.00824	0.039	-2.65	-1.3089	none
C7ORF43	-0.38	-0.2352	-3.311	0.00825	0.039	-2.65	1.29894	none
TBL1X	0.782	0.7111	3.3095	0.00827	0.039	-2.65	-1.0961	none
FAM151B	0.657	0.5452	3.3086	0.00828	0.039	-2.65	-0.9907	none
SOD2	0.335	0.2039	3.3061	0.00831	0.04	-2.65	-1.2877	none
PRKCD	1.005	0.8463	3.3058	0.00832	0.04	-2.65	-1.1473	none
CDC27	0.516	0.4863	3.3057	0.00832	0.04	-2.65	-0.7062	none
CCNL1	0.535	0.5646	3.3055	0.00832	0.04	-2.65	-0.3093	none
TBC1D8	0.793	0.7513	3.3051	0.00832	0.04	-2.66	-1.286	none
OR3A2	0.496	0.4241	3.3048	0.00833	0.04	-2.66	-0.8731	none
ELMOD1	0.593	0.4918	3.3045	0.00833	0.04	-2.66	-1.0518	none
SMIM17	0.582	0.3911	3.3044	0.00833	0.04	-2.66	-0.7846	none
SCLT1	0.322	0.2256	3.3029	0.00836	0.04	-2.66	-1.0959	none
ZNF37A	0.674	0.6218	3.3024	0.00836	0.04	-2.66	-1.3332	none
COQ6	0.415	0.2748	3.3019	0.00837	0.04	-2.66	-1.0561	none
GALNT10	0.59	0.5273	3.3009	0.00838	0.04	-2.66	-0.8304	none
ABCA9	0.714	0.574	3.3006	0.00839	0.04	-2.66	-1.1457	none
KANSL2	0.286	0.2206	3.3004	0.00839	0.04	-2.66	0.86694	none
AARS2	0.547	0.5512	3.3001	0.00839	0.04	-2.66	-0.5193	none

NEDD4	0.722	0.6655	3.2992	0.00841	0.04	-2.67	-1.1943	none
ZFP82	0.368	0.2658	3.2984	0.00842	0.04	-2.67	-1.4142	none
R3HDM1	1.124	1.0546	3.2976	0.00843	0.04	-2.67	-0.9896	none
ZNF621	0.708	0.6123	3.2973	0.00843	0.04	-2.67	-1.0089	none
TOR4A	0.303	0.2264	3.2968	0.00844	0.04	-2.67	-1.1027	none
NOTO	0.312	0.2321	3.2956	0.00846	0.04	-2.67	-1.4305	none
HPS3	0.571	0.4347	3.2954	0.00846	0.04	-2.67	-0.6954	none
ZNF821	0.65	0.4605	3.2951	0.00846	0.04	-2.67	-0.4678	none
GNB5	0.477	0.2948	3.2949	0.00847	0.04	-2.67	-1.2448	none
ELL2	0.637	0.673	3.2947	0.00847	0.04	-2.67	0.03122	none
BOC	0.265	0.2292	3.2946	0.00847	0.04	-2.67	0.2988	none
SAMD15	0.426	0.3119	3.2941	0.00848	0.04	-2.67	-0.9814	none
ANKRD11	0.729	0.7659	3.294	0.00848	0.04	-2.67	-0.9835	none
ZNF624	1.074	0.8794	3.2937	0.00848	0.04	-2.67	-0.5882	none
XKR9	0.471	0.2949	3.2936	0.00849	0.04	-2.67	-1.2048	none
CLK2	0.302	0.2889	3.2931	0.00849	0.04	-2.68	-0.2084	none
ZFP90	0.823	0.7747	3.2927	0.0085	0.04	-2.68	-0.9506	none
NEB	0.531	0.4124	3.292	0.00851	0.04	-2.68	-1.4978	none
ZSCAN32	0.543	0.4495	3.292	0.00851	0.04	-2.68	-1.2592	none
TOP3B	0.781	0.7094	3.2919	0.00851	0.04	-2.68	-1.3145	none
SSBP3	0.772	0.7017	3.2917	0.00851	0.04	-2.68	-0.5398	none
WDR17	0.69	0.5888	3.2914	0.00852	0.04	-2.68	-0.8972	none
HNRNPUL1	1.059	1.0118	3.2914	0.00852	0.04	-2.68	-1.0991	none
CALB1	0.477	0.4235	3.2895	0.00854	0.04	-2.68	0.22532	none
SNRNPB2	-0.371	-0.3705	-3.288	0.00856	0.04	-2.68	1.77823	none
RD3	0.358	0.268	3.2876	0.00857	0.04	-2.68	-1.543	OA-related
SPPL3	0.435	0.3091	3.2874	0.00857	0.04	-2.68	-0.9313	none
FBXL8	0.603	0.4439	3.2874	0.00857	0.04	-2.68	-1.2624	none
NNT	0.439	0.3499	3.2873	0.00857	0.04	-2.68	-0.1655	none
MEGF9	0.475	0.3872	3.2868	0.00858	0.04	-2.69	-1.2021	none
NKTR	0.652	0.6003	3.2864	0.00859	0.04	-2.69	-1.0903	none
KCND3	0.26	0.1886	3.2859	0.00859	0.04	-2.69	-1.4833	none
ANTXR2	0.437	0.3201	3.2842	0.00862	0.041	-2.69	-0.2297	none
SLC30A6	0.558	0.3181	3.284	0.00862	0.041	-2.69	-0.9484	none
PLXDC2	0.296	0.202	3.2831	0.00863	0.041	-2.69	-1.5528	OA-related
LRP1B	0.351	0.2411	3.2827	0.00864	0.041	-2.69	-0.1858	none
PLEKHH1	0.529	0.4023	3.2825	0.00864	0.041	-2.69	-1.2801	none
ZBED9	0.362	0.2703	3.2818	0.00865	0.041	-2.69	-1.415	none
PEX26	0.541	0.4562	3.2813	0.00866	0.041	-2.69	0.02294	none
CAPN8	0.871	0.7264	3.2804	0.00867	0.041	-2.7	-0.2069	none

APBB2	0.869	0.7388	3.2801	0.00868	0.041	-2.7	-0.9882	none
TMCO6	0.776	0.6895	3.2789	0.0087	0.041	-2.7	-0.2185	none
EPG5	0.585	0.4801	3.2788	0.0087	0.041	-2.7	-0.9344	none
SEMA3D	0.598	0.481	3.2787	0.0087	0.041	-2.7	-0.9339	none
PBRM1	0.859	0.7734	3.2786	0.0087	0.041	-2.7	-1.2145	none
CFAP73	0.556	0.443	3.2768	0.00873	0.041	-2.7	-0.7372	none
PRKX	0.441	0.3216	3.2759	0.00874	0.041	-2.7	-1.0144	none
ITK	0.532	0.4335	3.2746	0.00876	0.041	-2.71	-1.0796	none
TRPC1	0.636	0.5978	3.2736	0.00877	0.041	-2.71	-0.0128	none
PTCD2	0.271	0.1795	3.2735	0.00877	0.041	-2.71	-0.377	none
MYLK4	0.285	0.1837	3.2729	0.00878	0.041	-2.71	-1.1195	none
PPHLN1	0.371	0.2531	3.2727	0.00879	0.041	-2.71	-0.492	none
FBXO27	0.551	0.4037	3.2723	0.00879	0.041	-2.71	-1.1436	none
ARRB2	0.561	0.4604	3.2704	0.00882	0.041	-2.71	-0.9519	none
TGFBR3L	-0.433	-0.3306	-3.27	0.00883	0.041	-2.71	0.65388	none
XPOT	0.41	0.3787	3.268	0.00885	0.041	-2.72	0.09274	none
PTTG1	-0.46	-0.4152	-3.267	0.00887	0.041	-2.72	2.3342	AA-related
OR4E2	0.322	0.2223	3.2654	0.00889	0.042	-2.72	-1.2193	none
THOC3	0.438	0.2467	3.2653	0.00889	0.042	-2.72	-0.9808	none
HSF1	0.468	0.4107	3.2649	0.0089	0.042	-2.72	-0.0533	none
KLHL22	0.396	0.3349	3.2646	0.0089	0.042	-2.72	-0.7863	none
ZNF519	0.68	0.5569	3.2644	0.00891	0.042	-2.72	-0.9705	none
ARHGEF39	0.323	0.2195	3.2637	0.00892	0.042	-2.72	-0.4865	none
NUCB2	0.743	0.6125	3.2635	0.00892	0.042	-2.72	-1.3583	none
SLC16A11	-0.274	-0.2115	-3.263	0.00893	0.042	-2.72	1.15084	none
APOD	0.676	0.539	3.2626	0.00893	0.042	-2.73	-0.9463	none
FAM222B	0.698	0.67	3.2611	0.00896	0.042	-2.73	-0.2792	none
CRTC3	0.558	0.5483	3.261	0.00896	0.042	-2.73	-1.2506	none
AKNAD1	0.38	0.3114	3.2607	0.00896	0.042	-2.73	-0.7262	none
CCNB2	-0.447	-0.4245	-3.261	0.00896	0.042	-2.73	2.4439	AA-related
PFKFB2	0.428	0.2582	3.2599	0.00897	0.042	-2.73	-0.2682	none
SPRYD7	0.541	0.4199	3.2584	0.009	0.042	-2.73	-0.5172	none
PTPN12	1.002	0.8763	3.2583	0.009	0.042	-2.73	-1.3143	none
ATP6AP1L	0.544	0.4195	3.2571	0.00902	0.042	-2.73	-1.3126	none
CTCF	0.863	0.8006	3.2555	0.00904	0.042	-2.74	-1.1788	none
GPR157	0.786	0.6765	3.2553	0.00904	0.042	-2.74	-0.8063	none
CBL	0.402	0.3563	3.2548	0.00905	0.042	-2.74	0.08777	none
SLC35C1	0.33	0.211	3.2545	0.00905	0.042	-2.74	-0.1888	none
APBA2	-0.492	-0.3156	-3.253	0.00907	0.042	-2.74	0.97934	none
CLPX	0.572	0.4951	3.2532	0.00907	0.042	-2.74	-1.0744	none

TARDBP	0.299	0.1891	3.2529	0.00908	0.042	-2.74	-0.4236	none
ST6GAL2	0.402	0.3496	3.2529	0.00908	0.042	-2.74	-1.3423	none
SFXN1	0.245	0.1511	3.2526	0.00908	0.042	-2.74	-0.4817	none
ZDHHC18	0.402	0.3119	3.2522	0.00909	0.042	-2.74	-1.0563	none
FOXP4	0.785	0.7225	3.2521	0.00909	0.042	-2.74	-1.1434	none
FMO5	0.533	0.3751	3.2514	0.0091	0.042	-2.74	-1.4268	none
BAIAP2L1	0.635	0.5684	3.2514	0.0091	0.042	-2.74	-1.1898	none
FUT10	-0.341	-0.289	-3.251	0.00911	0.042	-2.74	1.31901	none
EIF1AD	0.523	0.3651	3.2493	0.00913	0.042	-2.75	-1.4138	none
USP37	0.717	0.6503	3.2476	0.00916	0.042	-2.75	-0.4271	none
PACS1	0.701	0.642	3.2467	0.00917	0.042	-2.75	-1.1274	none
KBTBD8	0.448	0.3101	3.2447	0.0092	0.043	-2.75	0.07764	none
FBRSL1	0.707	0.7618	3.2439	0.00921	0.043	-2.76	-0.1581	none
TAF1	0.95	0.8246	3.2439	0.00922	0.043	-2.76	-1.0831	none
GDF11	0.457	0.4036	3.2415	0.00925	0.043	-2.76	-0.8715	none
DENND4C	0.657	0.5806	3.2403	0.00927	0.043	-2.76	-1.19	none
INPP5F	-0.307	-0.1959	-3.24	0.00927	0.043	-2.76	1.65733	none
TCF7L1	0.843	0.6036	3.2401	0.00927	0.043	-2.76	-0.5434	none
CAMK2D	0.265	0.199	3.2401	0.00927	0.043	-2.76	0.33899	none
PWWP2A	0.753	0.6442	3.2391	0.00929	0.043	-2.76	-1.2197	none
GCLM	0.371	0.1734	3.2389	0.00929	0.043	-2.76	-1.0753	none
SLFN12L	0.576	0.4781	3.2383	0.0093	0.043	-2.77	-1.2368	none
PPM1K	0.41	0.3134	3.2376	0.00931	0.043	-2.77	-1.3095	none
FAM98B	0.624	0.5279	3.2375	0.00931	0.043	-2.77	-1.0653	none
FAM47E-S	0.242	0.1358	3.2375	0.00931	0.043	-2.77	-0.135	none
PDZK1	0.515	0.4303	3.237	0.00932	0.043	-2.77	-1.0736	none
DZIP1	0.294	0.2108	3.2367	0.00933	0.043	-2.77	-1.6189	OA-related
LDHAL6A	0.544	0.3922	3.2363	0.00933	0.043	-2.77	-1.2952	none
C2CD2L	0.593	0.5477	3.2349	0.00935	0.043	-2.77	-0.651	none
LRP11	0.312	0.1722	3.2347	0.00936	0.043	-2.77	-1.2198	none
GADD45A	0.388	0.3628	3.2344	0.00936	0.043	-2.77	0.08492	none
BCL7A	0.467	0.402	3.2343	0.00936	0.043	-2.77	-1.1374	none
NBPF3	0.563	0.5105	3.2339	0.00937	0.043	-2.77	-1.1278	none
AGO4	0.547	0.5487	3.2338	0.00937	0.043	-2.77	-0.5211	none
AMPD3	0.626	0.5102	3.2337	0.00937	0.043	-2.77	-0.393	none
GNG7	0.302	0.2469	3.2335	0.00938	0.043	-2.77	-1.4302	none
NFIC	0.803	0.776	3.2323	0.0094	0.043	-2.78	-0.4443	none
PTPN23	0.703	0.7163	3.2322	0.0094	0.043	-2.78	-0.4517	none
SLC37A2	0.425	0.3968	3.2318	0.0094	0.043	-2.78	-0.0856	none
DDX6	0.716	0.5778	3.2311	0.00941	0.043	-2.78	-1.1133	none

FAM78A	0.535	0.5191	3.2306	0.00942	0.043	-2.78	-0.9651	none
FAM91A1	0.425	0.3757	3.2293	0.00944	0.043	-2.78	-0.6592	none
AMIGO2	-0.332	-0.3293	-3.228	0.00946	0.043	-2.78	0.76938	none
CCDC65	0.512	0.4888	3.2265	0.00949	0.044	-2.78	-0.261	none
TTBK2	0.638	0.4906	3.226	0.00949	0.044	-2.79	-1.0171	none
STK17B	0.391	0.2323	3.2247	0.00951	0.044	-2.79	-1.2267	none
EXD3	0.554	0.418	3.2246	0.00952	0.044	-2.79	-1.381	none
PGM1	-0.273	-0.1946	-3.224	0.00952	0.044	-2.79	2.26992	AA-related
YPEL2	0.458	0.3065	3.2236	0.00953	0.044	-2.79	-0.3544	none
SLC35F6	0.36	0.2683	3.2235	0.00953	0.044	-2.79	-1.4259	none
ZNF160	0.723	0.6143	3.2228	0.00954	0.044	-2.79	-0.7276	none
WDR7	0.496	0.4636	3.2226	0.00955	0.044	-2.79	-0.0602	none
FKBP10	0.865	0.7134	3.2212	0.00957	0.044	-2.79	-0.7235	none
SYNRG	0.895	0.804	3.2206	0.00958	0.044	-2.79	-1.3413	none
AKTIP	0.402	0.2605	3.2202	0.00959	0.044	-2.8	-0.8262	none
SNRK	0.467	0.397	3.2201	0.00959	0.044	-2.8	-1.3927	none
AMMECR1	0.465	0.3445	3.2199	0.00959	0.044	-2.8	0.37426	none
KATNBL1	0.39	0.2282	3.2196	0.0096	0.044	-2.8	-1.0895	none
OR51E2	0.443	0.3326	3.2195	0.0096	0.044	-2.8	-1.1161	none
TEFM	0.575	0.4143	3.2186	0.00961	0.044	-2.8	-0.9724	none
FAM192A	0.484	0.4316	3.2186	0.00961	0.044	-2.8	-1.2453	none
CHRNA3	0.523	0.3984	3.2183	0.00962	0.044	-2.8	-0.735	none
SMARCA4	0.774	0.7957	3.2183	0.00962	0.044	-2.8	-0.9646	none
OR1M1	0.522	0.3557	3.2183	0.00962	0.044	-2.8	-1.4493	none
PLA2G10	0.417	0.2736	3.2168	0.00964	0.044	-2.8	-0.1952	none
SDK2	0.831	0.6123	3.2166	0.00964	0.044	-2.8	-1.222	none
TRIM46	0.503	0.3666	3.2166	0.00964	0.044	-2.8	-1.26	none
TLR10	0.472	0.328	3.216	0.00965	0.044	-2.8	-1.384	none
RALBP1	0.868	0.8071	3.2148	0.00967	0.044	-2.8	-0.869	none
C16ORF54	0.434	0.2725	3.2146	0.00968	0.044	-2.8	-1.3889	none
TMEM189	0.347	0.2753	3.2146	0.00968	0.044	-2.8	-0.0536	none
CRTAP	0.446	0.2701	3.2145	0.00968	0.044	-2.8	-0.4507	none
DNAJC30	0.304	0.2051	3.2141	0.00968	0.044	-2.81	-0.8875	none
ESD	-0.469	-0.4419	-3.214	0.00969	0.044	-2.81	2.47881	AA-related
FES	-0.327	-0.0607	-3.214	0.00969	0.044	-2.81	0.06587	none
AFG3L2	0.484	0.5019	3.2133	0.0097	0.044	-2.81	-0.0253	none
EIF3G	0.308	0.2397	3.2133	0.0097	0.044	-2.81	-1.0928	none
CCNT2	0.79	0.6816	3.212	0.00972	0.044	-2.81	-0.9232	none
DPYSL2	0.35	0.2785	3.2116	0.00972	0.044	-2.81	-0.9132	none
ZNF197	0.424	0.3528	3.2109	0.00974	0.044	-2.81	-1.301	none



ZNF708	0.661	0.5112	3.2099	0.00975	0.044	-2.81	-0.9979	none
HIST1H4I	0.286	0.1144	3.2096	0.00976	0.044	-2.81	-0.4726	none
GPNMB	0.69	0.5977	3.2093	0.00976	0.044	-2.81	-0.7457	none
PYCR2	0.405	0.3329	3.209	0.00977	0.044	-2.81	-0.9265	none
KMT2A	1.028	0.9847	3.209	0.00977	0.044	-2.81	-1.2794	none
HECA	0.41	0.3251	3.2089	0.00977	0.044	-2.81	-1.1189	none
DENND1A	0.428	0.4291	3.2083	0.00978	0.044	-2.81	-0.9925	none
LRRC37A	0.418	0.3006	3.2082	0.00978	0.044	-2.81	-0.7163	none
RELL1	0.508	0.3826	3.2079	0.00978	0.044	-2.82	-1.4624	none
RPL7A	-0.432	-0.4152	-3.207	0.00979	0.044	-2.82	1.916	none
KDELC2	0.606	0.4584	3.207	0.0098	0.044	-2.82	-0.9615	none
CYP17A1	0.464	0.3635	3.2052	0.00983	0.045	-2.82	-0.8242	none
DMPK	0.582	0.477	3.2052	0.00983	0.045	-2.82	-0.6986	none
RUNX2	0.819	0.7082	3.2044	0.00984	0.045	-2.82	-1.0526	none
ZNF845	0.583	0.4991	3.2042	0.00984	0.045	-2.82	-1.2039	none
CORIN	0.369	0.2652	3.2032	0.00986	0.045	-2.82	-1.4845	none
STAT3	0.698	0.6441	3.203	0.00986	0.045	-2.82	-0.7522	none
DENR	0.353	0.2692	3.2017	0.00989	0.045	-2.83	-1.1811	none
ARPC2	-0.273	-0.2263	-3.202	0.00989	0.045	-2.83	1.8266	none
IL1R1	0.312	0.223	3.2007	0.0099	0.045	-2.83	-1.433	none
RILPL2	0.348	0.2761	3.2003	0.00991	0.045	-2.83	-1.5059	none
ITPKB	0.605	0.5418	3.1995	0.00992	0.045	-2.83	-1.3825	none
ZHX1-C8O	-0.707	-0.5736	-3.199	0.00993	0.045	-2.83	1.52517	none
PTPRE	0.615	0.5732	3.1985	0.00994	0.045	-2.83	0.24328	none
RABGAP1L	0.307	0.1753	3.1982	0.00994	0.045	-2.83	-1.1808	none
CEP83	0.735	0.6328	3.1982	0.00994	0.045	-2.83	-1.1674	none
FBXO15	0.485	0.3576	3.1976	0.00995	0.045	-2.83	-0.7999	none
ADCY2	0.416	0.2881	3.1968	0.00997	0.045	-2.83	-0.8199	none
ASF1B	-0.387	-0.2994	-3.196	0.00998	0.045	-2.84	2.48276	AA-related
ZNF786	0.536	0.4639	3.1942	0.01001	0.045	-2.84	-0.9893	none
SEC14L1	0.271	0.2188	3.1937	0.01002	0.045	-2.84	-0.8627	none
HERPUD2	0.486	0.3443	3.1934	0.01002	0.045	-2.84	-1.1834	none
GSTCD	0.706	0.5861	3.1932	0.01003	0.045	-2.84	-1.298	none
HP1BP3	0.638	0.6099	3.1932	0.01003	0.045	-2.84	-1	none
MAPK8IP2	0.35	0.2539	3.1925	0.01004	0.045	-2.84	-1.1809	none
TMEM239	0.268	0.1895	3.1907	0.01007	0.045	-2.84	-1.3594	none
HID1	0.53	0.3667	3.1901	0.01008	0.045	-2.84	-0.3705	none
SHROOM1	0.556	0.3541	3.189	0.0101	0.045	-2.85	-1.165	none
MPHOSPH	1.038	1.0207	3.1883	0.01011	0.045	-2.85	-0.9559	none
RPL19	-0.322	-0.2793	-3.188	0.01011	0.045	-2.85	2.09855	AA-related

KCNJ3	0.414	0.2824	3.1877	0.01012	0.045	-2.85	-1.2311	none
MUC5B	-0.208	-0.1303	-3.187	0.01012	0.045	-2.85	0.84415	none
LRRK1	0.372	0.3414	3.1865	0.01014	0.046	-2.85	-0.983	none
CDKN2C	-0.31	-0.2235	-3.186	0.01014	0.046	-2.85	0.16602	none
TSHR	0.608	0.4322	3.1855	0.01016	0.046	-2.85	-1.2487	none
GABRP	0.848	0.8241	3.185	0.01017	0.046	-2.85	-0.4959	none
KIF27	0.665	0.475	3.1844	0.01017	0.046	-2.85	-1.1391	none
ZNF461	0.785	0.5186	3.1835	0.01019	0.046	-2.86	-0.7922	none
ST8SIA5	0.349	0.2793	3.1831	0.0102	0.046	-2.86	-1.2477	none
CEACAM2	0.407	0.3045	3.1828	0.0102	0.046	-2.86	-0.3422	none
FAM126B	0.641	0.6153	3.1819	0.01022	0.046	-2.86	-1.0572	none
TRIM69	0.527	0.4617	3.181	0.01023	0.046	-2.86	-1.3114	none
PPIA	-0.42	-0.4009	-3.178	0.01028	0.046	-2.86	1.59169	none
CASC4	0.549	0.4043	3.1783	0.01028	0.046	-2.86	-0.835	none
PROCA1	0.684	0.5985	3.1765	0.01031	0.046	-2.87	-1.1564	none
ODC1	-0.376	-0.3076	-3.175	0.01033	0.046	-2.87	1.07365	none
ROGDI	-0.603	-0.4758	-3.175	0.01033	0.046	-2.87	1.02323	none
ABLIM3	0.512	0.5629	3.1735	0.01036	0.046	-2.87	-0.5368	none
TFDP1	-0.315	-0.2197	-3.173	0.01037	0.046	-2.87	1.25615	none
FFAR1	0.33	0.2488	3.1732	0.01037	0.046	-2.87	-1.1462	none
NPIPA1	0.696	0.5975	3.1725	0.01038	0.046	-2.87	-1.1373	none
SH2B1	1.294	1.1175	3.1723	0.01038	0.046	-2.87	-0.47	none
DYM	0.511	0.3756	3.1707	0.01041	0.047	-2.88	0.04157	none
PLA2G5	0.391	0.3297	3.1696	0.01043	0.047	-2.88	-0.204	none
GOLPH3L	0.345	0.1514	3.1685	0.01045	0.047	-2.88	0.541	none
LDHA	-0.527	-0.476	-3.168	0.01046	0.047	-2.88	2.09457	AA-related
LIF	0.416	0.4757	3.1678	0.01046	0.047	-2.88	0.00805	none
NMD3	0.275	0.2027	3.1677	0.01046	0.047	-2.88	0.21095	none
NFATC2IP	0.459	0.4218	3.1676	0.01046	0.047	-2.88	-0.7032	none
CWF19L1	0.659	0.5717	3.167	0.01047	0.047	-2.88	-0.9869	none
ZC3H13	0.489	0.5433	3.1661	0.01049	0.047	-2.88	0.10737	none
ATRNL1	0.869	0.5955	3.166	0.01049	0.047	-2.88	-1.2253	none
USP35	0.42	0.3962	3.1658	0.0105	0.047	-2.88	-0.1827	none
PCDH9	0.27	0.2009	3.1652	0.01051	0.047	-2.89	-1.5135	none
SERAC1	0.266	0.147	3.165	0.01051	0.047	-2.89	-0.4126	none
FBXO6	0.404	0.2262	3.1649	0.01051	0.047	-2.89	-0.859	none
PYGO1	0.264	0.1856	3.1647	0.01052	0.047	-2.89	-0.5699	none
MAP6D1	0.344	0.3966	3.1646	0.01052	0.047	-2.89	0.46288	none
STAC3	0.673	0.5638	3.164	0.01053	0.047	-2.89	-0.4202	none
ANKRD20A	0.56	0.4138	3.1637	0.01053	0.047	-2.89	-1.1276	none

ACSL4	0.398	0.3145	3.1636	0.01053	0.047	-2.89	-0.877	none
AP1G2	0.53	0.5274	3.1631	0.01054	0.047	-2.89	-0.6803	none
STAC2	0.452	0.3464	3.1629	0.01055	0.047	-2.89	-1.2468	none
RAB11FIP3	0.547	0.5232	3.1625	0.01055	0.047	-2.89	-0.1119	none
ALKBH4	0.381	0.2861	3.162	0.01056	0.047	-2.89	-1.317	none
RNF144A	0.567	0.3781	3.1606	0.01059	0.047	-2.89	-0.0138	none
PON3	0.677	0.464	3.1599	0.0106	0.047	-2.89	-0.1377	none
RPAIN	0.414	0.2379	3.159	0.01061	0.047	-2.9	-1.0925	none
KDM2B	0.531	0.5141	3.158	0.01063	0.047	-2.9	-0.6572	none
CDK10	0.431	0.4336	3.1569	0.01065	0.047	-2.9	-0.6079	none
KCNMB4	0.446	0.3181	3.155	0.01069	0.047	-2.9	-1.0722	none
NPRL3	0.443	0.3917	3.1543	0.0107	0.047	-2.9	-1.2323	none
TSPYL2	0.659	0.6715	3.1542	0.0107	0.047	-2.9	-0.8933	none
ITGB1	0.467	0.3824	3.1531	0.01072	0.048	-2.91	-0.5101	none
ERC2	0.337	0.2986	3.1529	0.01072	0.048	-2.91	-0.29	none
CLCN2	0.556	0.3785	3.1523	0.01074	0.048	-2.91	-1.155	none
POLM	0.452	0.3876	3.1508	0.01076	0.048	-2.91	-0.7669	none
MBIP	0.317	0.1877	3.1507	0.01076	0.048	-2.91	-0.4045	none
ABCC8	0.333	0.282	3.1505	0.01077	0.048	-2.91	-1.0129	none
THYN1	-0.359	-0.3278	-3.15	0.01077	0.048	-2.91	2.69156	AA-related
CXORF56	0.792	0.6616	3.15	0.01078	0.048	-2.91	-0.9614	none
CRELD2	0.314	0.2636	3.1494	0.01079	0.048	-2.91	-0.2088	none
GNL3L	0.887	0.839	3.1494	0.01079	0.048	-2.91	-1.0518	none
ECT2L	0.398	0.3016	3.1487	0.0108	0.048	-2.91	-1.3042	none
ABCB7	0.3	0.2017	3.1483	0.01081	0.048	-2.91	0.7191	none
BANF1	-0.382	-0.3672	-3.148	0.01081	0.048	-2.91	2.01201	none
C9ORF64	0.585	0.3946	3.1479	0.01081	0.048	-2.91	-0.6298	none
MAP3K11	0.719	0.6125	3.1478	0.01082	0.048	-2.91	-1.0719	none
UBR5	0.958	0.8762	3.1476	0.01082	0.048	-2.91	-1.0638	none
CD180	0.244	0.204	3.1472	0.01083	0.048	-2.92	-1.1022	none
GRAP2	-0.356	-0.312	-3.146	0.01085	0.048	-2.92	1.88765	none
PHC3	0.557	0.4428	3.1459	0.01085	0.048	-2.92	-0.9778	none
PSTPIP2	0.431	0.3455	3.1454	0.01086	0.048	-2.92	-0.8101	none
PUM1	0.534	0.4941	3.1451	0.01086	0.048	-2.92	-0.8678	none
EI24	0.536	0.3598	3.1449	0.01087	0.048	-2.92	-1.272	none
FGF22	0.364	0.291	3.1442	0.01088	0.048	-2.92	-0.9952	none
SYNE4	0.464	0.3618	3.144	0.01088	0.048	-2.92	-0.6547	none
SNAP29	0.421	0.3544	3.1439	0.01089	0.048	-2.92	-0.7768	none
RMND5B	0.461	0.3778	3.1439	0.01089	0.048	-2.92	-0.6817	none
PRDX6	-0.484	-0.4576	-3.142	0.01092	0.048	-2.92	2.63294	AA-related

ENSA	0.356	0.292	3.1418	0.01092	0.048	-2.92	-1.1161	none
OR6C4	0.331	0.2369	3.1405	0.01095	0.048	-2.93	-1.4223	none
IBA57	0.509	0.3687	3.1397	0.01096	0.048	-2.93	-0.6837	none
ZNF418	0.711	0.5487	3.1395	0.01097	0.048	-2.93	-0.1246	none
INTS2	0.493	0.4154	3.1387	0.01098	0.048	-2.93	-0.691	none
FADS2	0.662	0.5726	3.1384	0.01099	0.048	-2.93	-0.6564	none
RASAL2	0.635	0.5267	3.1381	0.01099	0.048	-2.93	-1.2768	none
RAPGEF2	0.756	0.7549	3.1379	0.011	0.048	-2.93	-0.4767	none
C17ORF75	0.28	0.1238	3.1374	0.011	0.048	-2.93	-0.6766	none
CCNYL1	0.657	0.5009	3.1367	0.01102	0.048	-2.93	-1.3486	none
TMSB10	-0.563	-0.5163	-3.136	0.01103	0.048	-2.93	2.45279	AA-related
UNC13C	0.305	0.1961	3.1358	0.01103	0.048	-2.93	-1.3768	none
RABGAP1	0.761	0.7359	3.1337	0.01107	0.049	-2.94	-0.8846	none
JOSD1	0.328	0.2703	3.1335	0.01108	0.049	-2.94	-1.3743	none
SAE1	-0.28	-0.1827	-3.133	0.01109	0.049	-2.94	1.18092	none
ARHGEF26	0.289	0.218	3.1324	0.0111	0.049	-2.94	-1.053	none
SRGAP2B	0.397	0.4008	3.1323	0.0111	0.049	-2.94	-0.5468	none
CHPT1	0.571	0.4114	3.1322	0.0111	0.049	-2.94	-0.5633	none
C12ORF43	0.684	0.6345	3.1322	0.0111	0.049	-2.94	-1.0298	none
HOXA13	-0.225	-0.161	-3.132	0.0111	0.049	-2.94	1.07738	none
CPAMD8	0.572	0.399	3.1317	0.01111	0.049	-2.94	-0.7977	none
MTRNR2L1	0.332	0.2612	3.1315	0.01111	0.049	-2.94	-0.3255	none
AOC1	0.319	0.2289	3.1305	0.01113	0.049	-2.94	-1.1566	none
FLG2	0.218	0.1489	3.1304	0.01113	0.049	-2.94	-1.218	none
ULK4	0.521	0.4374	3.13	0.01114	0.049	-2.94	-1.2819	none
TSFM	-0.306	-0.2679	-3.129	0.01115	0.049	-2.94	2.37716	AA-related
SLC25A32	0.322	0.1952	3.1291	0.01116	0.049	-2.95	-0.8315	none
VPS9D1	0.477	0.3871	3.129	0.01116	0.049	-2.95	-1.1315	none
CA7	-0.277	-0.2047	-3.128	0.01118	0.049	-2.95	0.24436	none
TXNDC12	-0.5	-0.4731	-3.128	0.01119	0.049	-2.95	2.18243	AA-related
RAB2B	0.31	0.188	3.1275	0.01119	0.049	-2.95	-0.8137	none
PTCHD1	0.27	0.1835	3.1271	0.0112	0.049	-2.95	-1.47	none
ZNF526	0.511	0.4519	3.1268	0.0112	0.049	-2.95	-1.0298	none
PKD1	0.545	0.5184	3.1266	0.01121	0.049	-2.95	-0.8514	none
CSPP1	0.674	0.6452	3.1265	0.01121	0.049	-2.95	-0.233	none
ATP8B2	0.696	0.6334	3.1231	0.01127	0.049	-2.96	-0.6554	none
DBR1	0.425	0.239	3.123	0.01127	0.049	-2.96	-1.2438	none
CCL28	0.484	0.3294	3.1224	0.01128	0.049	-2.96	-1.2191	none
ZNF425	0.394	0.3186	3.1213	0.01131	0.049	-2.96	-0.4159	none
FAM72A	0.401	0.3601	3.1212	0.01131	0.049	-2.96	-0.3914	none

DCAF4L1	0.276	0.2006	3.1211	0.01131	0.049	-2.96	-1.0774	none
ZNF681	0.55	0.4058	3.1201	0.01133	0.049	-2.96	-0.9679	none
PPP1R14D	0.549	0.439	3.12	0.01133	0.049	-2.96	-1.325	none
GTF3C2	0.451	0.385	3.1196	0.01134	0.049	-2.96	-1.3554	none
WNT2B	0.23	0.1799	3.1196	0.01134	0.049	-2.96	-1.3908	none
RAP1B	0.304	0.136	3.1184	0.01136	0.049	-2.96	-0.5502	none
HNF4A	0.228	0.1837	3.1182	0.01136	0.049	-2.96	-0.688	none
TBK1	0.319	0.2548	3.1179	0.01137	0.049	-2.96	-0.0676	none
EMC2	-0.48	-0.4576	-3.118	0.01137	0.049	-2.96	0.75655	none
EMX2	0.229	0.18	3.1167	0.01139	0.05	-2.97	-0.8248	none
OR6C6	0.447	0.2684	3.1145	0.01143	0.05	-2.97	-1.1855	none
MED22	0.426	0.4087	3.114	0.01144	0.05	-2.97	-0.1538	none
RPS6KC1	0.423	0.3711	3.1139	0.01145	0.05	-2.97	-0.4671	none
GREM1	0.262	0.1871	3.1137	0.01145	0.05	-2.97	-1.5308	none
GPANK1	0.36	0.2406	3.1137	0.01145	0.05	-2.97	-0.7702	none
MOB3A	0.415	0.3644	3.1125	0.01147	0.05	-2.97	-0.9581	none
MED13L	0.681	0.6261	3.1125	0.01147	0.05	-2.97	-1.0804	none
FOXD1	0.462	0.4538	3.1122	0.01148	0.05	-2.97	0.94744	none
CYP7B1	0.538	0.4	3.1117	0.01149	0.05	-2.97	-1.1463	none
CDIP1	0.367	0.3086	3.1117	0.01149	0.05	-2.97	-0.6163	none
SUMF2	0.447	0.3156	3.1117	0.01149	0.05	-2.97	-1.4787	none
PNRC2	0.261	0.1442	3.1115	0.01149	0.05	-2.97	-0.5612	none
LY75	0.4	0.3306	3.1115	0.01149	0.05	-2.97	-0.5164	none
FNDC3A	0.717	0.6241	3.1104	0.01151	0.05	-2.98	-1.2952	none
LRP2BP	0.375	0.2573	3.1103	0.01152	0.05	-2.98	-1.2764	none
H2AFZ	-0.505	-0.454	-3.11	0.01152	0.05	-2.98	1.82981	none
TYW3	0.421	0.3012	3.1095	0.01153	0.05	-2.98	-0.1853	none
ZNF517	0.625	0.479	3.1085	0.01155	0.05	-2.98	-1.2823	none
CALD1	1.058	0.8863	3.1075	0.01157	0.05	-2.98	-0.3026	none
STRADA	0.574	0.4448	3.107	0.01158	0.05	-2.98	-0.6524	none
AASDHPP1	-0.469	-0.3943	-3.107	0.01158	0.05	-2.98	2.23238	AA-related
RGP1	0.231	0.1597	3.1061	0.0116	0.05	-2.98	-0.0416	none
MAP4K5	0.53	0.4777	3.1061	0.0116	0.05	-2.98	-0.4228	none
ZNF33B	0.478	0.3362	3.1057	0.0116	0.05	-2.98	-0.7993	none
EPS15	0.758	0.6387	3.1057	0.0116	0.05	-2.98	-0.7555	none
MAP2K2	0.493	0.4582	3.1043	0.01163	0.05	-2.99	-1.3537	none
ZEB2	0.386	0.3299	3.1041	0.01163	0.05	-2.99	-0.9338	none
AP3M1	0.285	0.1538	3.1033	0.01165	0.05	-2.99	0.55284	none
NCKAP1L	0.418	0.352	3.1029	0.01166	0.05	-2.99	0.06597	none
SPTLC1	0.458	0.2733	3.1018	0.01168	0.05	-2.99	-0.9719	none

CMC1	-0.489	-0.4591	-3.101	0.0117	0.05	-2.99	1.22942	none
DYNC1I1	0.487	0.3869	3.1005	0.01171	0.05	-2.99	-1.1026	none
AP4B1	0.277	0.1812	3.1005	0.01171	0.05	-2.99	-0.9314	none
NCBP3	0.421	0.361	3.1004	0.01171	0.05	-2.99	-0.3751	none
CREB3L2	0.444	0.3708	3.0999	0.01172	0.05	-2.99	-1.324	none
NHLRC3	0.445	0.2853	3.0998	0.01172	0.05	-2.99	-0.6741	none
TSEN54	0.317	0.2316	3.0997	0.01172	0.05	-2.99	-0.3892	none
ESRP1	0.89	0.6595	3.0997	0.01172	0.05	-2.99	-0.9654	none
BIK	-0.535	-0.4755	-3.1	0.01172	0.05	-2.99	0.83138	none
LSM12	0.322	0.2471	3.0991	0.01173	0.05	-2.99	-1.3993	none
SULF1	1.03	0.8787	3.0991	0.01173	0.05	-2.99	-0.1905	none
CD40	0.284	0.1188	3.0984	0.01175	0.051	-3	-0.9743	none
JMJD7-PLA	0.506	0.4308	3.0981	0.01175	0.051	-3	-1.2637	none
HCN3	0.316	0.2207	3.0955	0.0118	0.051	-3	-0.8049	none
ZNF79	0.493	0.4183	3.0955	0.0118	0.051	-3	-0.1365	none
CUTC	-0.329	-0.3368	-3.095	0.01181	0.051	-3	2.28682	AA-related
IRF3	0.423	0.3148	3.0945	0.01182	0.051	-3	-0.7155	none
ZNF280D	-0.758	-0.6868	-3.094	0.01184	0.051	-3	1.6027	none
GRIP1	0.484	0.3967	3.0934	0.01185	0.051	-3	-0.3186	none
LRRC29	0.683	0.5235	3.0928	0.01186	0.051	-3.01	-0.682	none
HECTD4	0.829	0.769	3.0927	0.01186	0.051	-3.01	-0.9824	none
DPY19L1	-0.462	-0.4519	-3.092	0.01187	0.051	-3.01	0.14977	none
ZNF558	0.626	0.4321	3.0917	0.01188	0.051	-3.01	-1.0395	none
EPAS1	0.715	0.6791	3.0914	0.01189	0.051	-3.01	-0.8894	none
RNF2	0.315	0.2117	3.0913	0.01189	0.051	-3.01	0.24047	none
10-Sep	0.799	0.6828	3.0912	0.01189	0.051	-3.01	-1.3236	none
TUBE1	0.399	0.2652	3.0911	0.01189	0.051	-3.01	0.12129	none
MEIS3	0.489	0.365	3.091	0.01189	0.051	-3.01	-1.3113	none
NWD1	0.273	0.1832	3.0906	0.0119	0.051	-3.01	-1.3122	none
HEATR1	0.761	0.6421	3.0905	0.0119	0.051	-3.01	-0.875	none
LRRN2	0.372	0.271	3.0903	0.01191	0.051	-3.01	-1.4314	none
USP26	0.338	0.2597	3.0898	0.01192	0.051	-3.01	-0.2025	none
SP3	0.497	0.4271	3.0896	0.01192	0.051	-3.01	-0.0708	none
PARP16	0.456	0.3555	3.0894	0.01192	0.051	-3.01	-0.6998	none
IGLL5	-0.528	-0.4902	-3.089	0.01192	0.051	-3.01	1.48694	none
GSTP1	-0.517	-0.4932	-3.089	0.01194	0.051	-3.01	2.17157	AA-related
DMGDH	0.751	0.5945	3.0884	0.01194	0.051	-3.01	-0.8126	none
MDM2	0.626	0.5286	3.0884	0.01195	0.051	-3.01	-1.2369	none
RRM2B	0.501	0.3686	3.0881	0.01195	0.051	-3.01	-1.1901	none
ABI3	-0.366	-0.2888	-3.087	0.01197	0.051	-3.01	2.44846	AA-related

EID2B	1.081	0.84	3.0868	0.01198	0.051	-3.02	-0.5271	none
CCR6	0.457	0.27	3.0863	0.01199	0.051	-3.02	-0.4033	none
GALR2	0.414	0.2794	3.0861	0.01199	0.051	-3.02	-0.7104	none
CD300LD	0.436	0.3358	3.0861	0.01199	0.051	-3.02	-1.1414	none
CREB3L4	0.652	0.4923	3.0857	0.012	0.051	-3.02	-0.9488	none
MLLT11	0.258	0.1794	3.0856	0.012	0.051	-3.02	-0.8733	none
ABCF3	0.391	0.3937	3.0855	0.012	0.051	-3.02	-0.6943	none
BAG5	0.433	0.3487	3.0846	0.01202	0.051	-3.02	-0.5642	none
PHF6	0.426	0.3425	3.0841	0.01203	0.051	-3.02	-0.9539	none
GPR137C	0.542	0.4145	3.084	0.01203	0.051	-3.02	-0.5194	none
NABP2	0.307	0.1999	3.084	0.01203	0.051	-3.02	-1.1391	none
DENND6A	0.58	0.4468	3.0824	0.01207	0.051	-3.02	-0.3991	none
FAM169B	0.679	0.4931	3.0822	0.01207	0.051	-3.02	-1.3628	none
CFI	0.527	0.3648	3.0813	0.01209	0.051	-3.02	-1.402	none
TAGLN2	-0.327	-0.302	-3.08	0.01211	0.052	-3.03	2.11727	AA-related
CDKAL1	0.449	0.347	3.0796	0.01212	0.052	-3.03	-1.5713	OA-related
CHN1	0.521	0.3801	3.0792	0.01213	0.052	-3.03	-0.8068	none
ZNF778	0.588	0.6075	3.079	0.01214	0.052	-3.03	0.99909	none
ZP3	0.503	0.3375	3.078	0.01215	0.052	-3.03	-1.2212	none
RBM8A	-0.26	-0.1909	-3.078	0.01216	0.052	-3.03	1.25778	none
RAB11FIP1	0.612	0.5469	3.0773	0.01217	0.052	-3.03	-1.2586	none
UBE2L6	-0.352	-0.3454	-3.077	0.01218	0.052	-3.03	2.03812	none
CDHR3	0.478	0.3358	3.0764	0.01219	0.052	-3.03	-0.92	none
RFESD	-0.635	-0.5728	-3.075	0.01222	0.052	-3.04	1.61095	none
EPHA4	0.617	0.5353	3.0741	0.01223	0.052	-3.04	-0.926	none
MARCO	0.321	0.3215	3.0739	0.01224	0.052	-3.04	0.53088	none
ATP13A4	0.485	0.3443	3.0735	0.01225	0.052	-3.04	-1.3237	none
KIF18B	0.665	0.6417	3.0732	0.01225	0.052	-3.04	-1.0754	none
CA13	0.508	0.3832	3.073	0.01226	0.052	-3.04	-1.2671	none
DHX58	0.614	0.5767	3.0721	0.01228	0.052	-3.04	-0.5977	none
LONP1	0.675	0.6812	3.072	0.01228	0.052	-3.04	-1.1183	none
PNP	-0.36	-0.3612	-3.072	0.01228	0.052	-3.04	1.63485	none
SLC16A8	0.273	0.2429	3.0719	0.01228	0.052	-3.04	-0.3861	none
COASY	0.432	0.3148	3.0712	0.01229	0.052	-3.04	-0.8566	none
TGM5	0.281	0.2375	3.0709	0.0123	0.052	-3.04	-0.349	none
ZNF43	0.776	0.6502	3.0707	0.01231	0.052	-3.04	-1.3886	none
IPO8	0.741	0.6479	3.0706	0.01231	0.052	-3.04	-1.059	none
ZNF600	0.784	0.5904	3.0702	0.01231	0.052	-3.04	-0.0771	none
PECR	0.461	0.308	3.0678	0.01236	0.052	-3.05	-0.3113	none
PPIB	-0.393	-0.3508	-3.068	0.01237	0.052	-3.05	2.09331	AA-related

PICK1	0.588	0.501	3.0672	0.01238	0.052	-3.05	-1.0241	none
FAM167B	0.566	0.3984	3.0667	0.01239	0.052	-3.05	-1.1194	none
TCF7	0.557	0.4548	3.0662	0.0124	0.052	-3.05	-1.3123	none
USP24	0.84	0.7772	3.0661	0.0124	0.052	-3.05	-1.0387	none
MTMR10	0.46	0.4003	3.0655	0.01241	0.052	-3.05	-0.2699	none
INPP1	0.248	0.1999	3.0653	0.01242	0.052	-3.05	-0.3338	none
WDR83OS	-0.477	-0.4458	-3.065	0.01242	0.052	-3.05	2.51314	AA-related
SCN11A	0.415	0.2905	3.0651	0.01242	0.052	-3.05	-1.2328	none
SLC27A5	0.469	0.3264	3.065	0.01242	0.052	-3.05	-0.4883	none
AC018638	1.058	0.9464	3.0639	0.01244	0.052	-3.05	-1.1004	none
RPS7	-0.557	-0.5346	-3.063	0.01246	0.053	-3.05	2.34343	AA-related
COL27A1	0.511	0.4984	3.0626	0.01247	0.053	-3.06	-0.7441	none
DDX19B	0.344	0.2603	3.0624	0.01248	0.053	-3.06	-0.3644	none
RAMP1	-0.382	-0.3228	-3.061	0.01251	0.053	-3.06	0.46864	none
FBXW4	0.559	0.5071	3.0605	0.01252	0.053	-3.06	-1.261	none
WFDC11	0.45	0.3309	3.0602	0.01252	0.053	-3.06	-0.5413	none
PCBP1	-0.246	-0.222	-3.06	0.01253	0.053	-3.06	1.74092	none
ZNF587B	0.72	0.6818	3.0597	0.01253	0.053	-3.06	-1.1345	none
G3BP2	0.359	0.2275	3.0593	0.01254	0.053	-3.06	-0.9792	none
BMPR1A	0.452	0.3247	3.058	0.01257	0.053	-3.06	-1.2247	none
FAM84B	0.397	0.2611	3.0562	0.01261	0.053	-3.07	-0.6589	none
SGSM2	0.529	0.59	3.0538	0.01266	0.053	-3.07	0.56417	none
ADARB2	0.352	0.2813	3.0533	0.01267	0.053	-3.07	-1.371	none
ZMYND19	0.387	0.4596	3.0522	0.01269	0.053	-3.07	-0.3084	none
HYOU1	0.593	0.5762	3.0517	0.0127	0.053	-3.07	-1.033	none
TRAM2	0.398	0.3677	3.0515	0.01271	0.053	-3.07	-0.8997	none
TSPAN19	0.6	0.398	3.0515	0.01271	0.053	-3.07	0.04258	none
TEDDM1	0.331	0.2155	3.0507	0.01272	0.053	-3.07	-0.5929	none
CHST11	0.655	0.5337	3.0488	0.01277	0.054	-3.08	-0.2181	none
FCER2	0.477	0.4979	3.0487	0.01277	0.054	-3.08	-0.564	none
CYP46A1	0.475	0.3032	3.0481	0.01278	0.054	-3.08	-0.7197	none
IRAK4	0.483	0.4176	3.048	0.01278	0.054	-3.08	-1.0837	none
RAET1E	0.275	0.2102	3.0478	0.01279	0.054	-3.08	-1.4014	none
RHOF	0.279	0.2244	3.046	0.01283	0.054	-3.08	-0.7437	none
UBR4	0.755	0.7855	3.0454	0.01284	0.054	-3.08	-0.6765	none
SNRPC	-0.323	-0.2975	-3.044	0.01287	0.054	-3.09	2.47327	AA-related
PTMA	-0.311	-0.2162	-3.044	0.01287	0.054	-3.09	1.36398	none
PIP5K1A	0.368	0.2904	3.0435	0.01288	0.054	-3.09	-1.3601	none
ATAD2	1.01	0.9456	3.0424	0.0129	0.054	-3.09	-1.3503	none
ZSCAN29	0.55	0.5505	3.0417	0.01292	0.054	-3.09	-1.046	none



ATP2A2	0.589	0.5073	3.0413	0.01293	0.054	-3.09	-1.4545	none
RUNX1	0.664	0.5997	3.0411	0.01293	0.054	-3.09	-0.5723	none
TMX3	0.566	0.3579	3.0405	0.01294	0.054	-3.09	-1.1936	none
PIK3R2	0.613	0.5445	3.0399	0.01296	0.054	-3.09	-1.236	none
OR11G2	0.248	0.1718	3.0396	0.01296	0.054	-3.09	-1.3676	none
ACOX1	0.397	0.2508	3.0384	0.01299	0.054	-3.1	-1.0056	none
MTHFD2L	0.397	0.2795	3.0379	0.013	0.054	-3.1	-0.7002	none
CARMIL1	0.487	0.4516	3.0376	0.01301	0.054	-3.1	-1.2664	none
RAB38	-0.755	-0.6438	-3.037	0.01301	0.054	-3.1	2.74101	AA-related
ABRA	0.31	0.2121	3.037	0.01302	0.054	-3.1	-1.4253	none
EBI3	0.441	0.3596	3.0365	0.01303	0.054	-3.1	-0.0883	none
CD33	0.446	0.2963	3.0362	0.01304	0.054	-3.1	-0.7872	none
DNM1	0.434	0.3317	3.0352	0.01306	0.054	-3.1	-0.6513	none
ABCC6	0.547	0.43	3.0351	0.01306	0.054	-3.1	-1.0192	none
NAMPT	0.307	0.2296	3.035	0.01306	0.054	-3.1	-0.7774	none
GLIPR1L2	0.42	0.311	3.0347	0.01307	0.054	-3.1	-1.5455	OA-related
RARS2	0.299	0.1834	3.0347	0.01307	0.054	-3.1	-0.6595	none
COX16	-0.538	-0.5167	-3.034	0.01308	0.054	-3.1	1.12559	none
TCP11L2	0.459	0.355	3.0339	0.01309	0.055	-3.1	-0.2462	none
PLEKHA2	0.631	0.4882	3.0339	0.01309	0.055	-3.1	-1.2834	none
VCL	0.415	0.4183	3.0334	0.0131	0.055	-3.1	-0.4303	none
COX6C	-0.461	-0.4522	-3.033	0.01311	0.055	-3.1	2.38783	AA-related
RAN	-0.455	-0.4066	-3.033	0.01311	0.055	-3.1	2.09659	AA-related
ABRACL	-0.479	-0.4806	-3.032	0.01312	0.055	-3.11	1.58103	none
BORCS5	-0.35	-0.3024	-3.032	0.01313	0.055	-3.11	0.60287	none
TIGD7	0.821	0.6162	3.031	0.01315	0.055	-3.11	-1.2628	none
TRIOBP	0.395	0.4275	3.0301	0.01317	0.055	-3.11	-0.8478	none
SPSB1	0.583	0.5107	3.0298	0.01318	0.055	-3.11	0.34035	none
DNAJB4	0.419	0.3465	3.0297	0.01318	0.055	-3.11	-0.8072	none
LYRM2	0.735	0.6067	3.0278	0.01322	0.055	-3.11	-0.947	none
DDIT4	-0.384	-0.2638	-3.027	0.01323	0.055	-3.11	2.01917	none
CISD1	-0.329	-0.3223	-3.027	0.01324	0.055	-3.11	1.84934	none
CCDC30	0.524	0.3768	3.0267	0.01325	0.055	-3.11	-1.2626	none
NDUFA8	-0.359	-0.3322	-3.026	0.01325	0.055	-3.12	1.75517	none
XKR4	0.281	0.2006	3.026	0.01326	0.055	-3.12	-1.3598	none
LGSN	0.381	0.2726	3.0249	0.01329	0.055	-3.12	-1.1804	none
FGL2	0.428	0.3056	3.0243	0.0133	0.055	-3.12	-1.1385	none
MAN2A2	0.712	0.6725	3.0236	0.01332	0.055	-3.12	-0.4301	none
KDM5B	0.713	0.6462	3.0232	0.01333	0.055	-3.12	-1.1953	none
SLC12A2	0.571	0.4761	3.0226	0.01334	0.055	-3.12	-1.5365	OA-related

SCN7A	0.566	0.4102	3.0224	0.01334	0.055	-3.12	-1.1405	none
YWHAB	-0.336	-0.293	-3.022	0.01336	0.055	-3.12	1.20521	none
SH3TC1	0.359	0.3264	3.0216	0.01336	0.055	-3.12	-0.5207	none
MX2	0.575	0.4886	3.0212	0.01337	0.055	-3.12	-0.9857	none
YEATS2	0.898	0.9106	3.0198	0.0134	0.055	-3.13	-1.0223	none
B3GNT8	0.396	0.2754	3.0198	0.0134	0.055	-3.13	-0.9387	none
GLB1L3	0.402	0.2155	3.0194	0.01341	0.055	-3.13	-1.1978	none
SH2D4A	0.752	0.7278	3.0187	0.01343	0.056	-3.13	-0.5877	none
ADM2	0.363	0.2695	3.018	0.01344	0.056	-3.13	-1.095	none
TMEM232	0.564	0.4307	3.0179	0.01344	0.056	-3.13	-0.7666	none
ZC3HAV1	0.364	0.3252	3.0177	0.01345	0.056	-3.13	-1.3499	none
CHRM5	0.253	0.2031	3.0171	0.01346	0.056	-3.13	-0.6985	none
FMC1	0.713	0.4556	3.0168	0.01347	0.056	-3.13	-1.0579	none
NDNF	0.473	0.276	3.016	0.01349	0.056	-3.13	-1.0883	none
PRCC	0.408	0.3923	3.0158	0.01349	0.056	-3.13	-1.1217	none
PAQR3	0.768	0.5269	3.0158	0.01349	0.056	-3.13	-0.7708	none
ACSS1	0.371	0.2771	3.0153	0.0135	0.056	-3.13	-1.058	none
ELK4	0.384	0.302	3.0147	0.01352	0.056	-3.13	-0.9628	none
HAUS8	0.399	0.3719	3.0146	0.01352	0.056	-3.13	-0.8015	none
PRICKLE1	0.741	0.4845	3.0128	0.01356	0.056	-3.14	-1.1092	none
FAM47E	0.562	0.3517	3.0117	0.01359	0.056	-3.14	-1.0211	none
MYPN	0.502	0.3753	3.0115	0.01359	0.056	-3.14	-1.0525	none
MDM1	0.413	0.3534	3.0113	0.01359	0.056	-3.14	0.61123	none
NAIP	0.646	0.4988	3.0113	0.01359	0.056	-3.14	-0.8896	none
ARHGAP1	0.574	0.5125	3.0104	0.01361	0.056	-3.14	-1.234	none
RNF152	0.293	0.1918	3.0093	0.01364	0.056	-3.14	-1.4594	none
TMEM268	0.406	0.3264	3.0086	0.01366	0.056	-3.14	-1.1478	none
TMEM94	0.825	0.764	3.0084	0.01366	0.056	-3.14	-1.1037	none
AGAP6	0.625	0.6437	3.0081	0.01367	0.056	-3.15	-0.2083	none
RPGRIP1	0.573	0.5717	3.0071	0.01369	0.056	-3.15	-0.8894	none
TEPSIN	0.594	0.5186	3.0069	0.01369	0.056	-3.15	-0.8907	none
SF3B6	-0.473	-0.4673	-3.007	0.0137	0.056	-3.15	1.77353	none
RGPD6	0.858	0.7472	3.0061	0.01371	0.056	-3.15	-1.1306	none
CCM2	0.384	0.3167	3.0061	0.01371	0.056	-3.15	-1.0369	none
LMLN	0.457	0.3837	3.0056	0.01373	0.056	-3.15	0.03601	none
FXYS5	-0.36	-0.3004	-3.006	0.01373	0.056	-3.15	1.76134	none
RC3H1	0.803	0.7695	3.0053	0.01373	0.056	-3.15	-1.2726	none
C1ORF56	0.459	0.3434	3.0053	0.01373	0.056	-3.15	-0.8057	none
HAUS1	0.411	0.2553	3.0035	0.01377	0.057	-3.15	-1.1454	none
PHTF2	0.404	0.3346	3.0034	0.01378	0.057	-3.15	-0.6915	none

CCDC130	0.317	0.2997	3.0031	0.01378	0.057	-3.15	-0.8336	none
DYRK1A	0.66	0.5659	3.0029	0.01379	0.057	-3.15	-1.2497	none
CFDP1	0.546	0.4807	3.0025	0.0138	0.057	-3.15	-0.9241	none
DSC3	0.243	0.1532	3.0024	0.0138	0.057	-3.15	-1.3241	none
AUNIP	0.39	0.3299	3.0021	0.01381	0.057	-3.16	-0.7689	none
NRDE2	0.602	0.5978	3.0019	0.01381	0.057	-3.16	-0.6595	none
IL6R	0.358	0.313	3.0009	0.01383	0.057	-3.16	-0.1097	none
LCMT2	0.315	0.2061	3.0004	0.01384	0.057	-3.16	0.07775	none
MCUR1	0.341	0.2433	3.0002	0.01385	0.057	-3.16	-0.1666	none
BNIP1	0.638	0.4307	2.9997	0.01386	0.057	-3.16	-0.9577	none
CNNM2	0.295	0.2308	2.9992	0.01387	0.057	-3.16	-1.2616	none
NDST3	0.248	0.1704	2.997	0.01392	0.057	-3.16	-1.5224	none
AC074141	0.392	0.2728	2.9968	0.01393	0.057	-3.16	-1.3191	none
HARBI1	0.328	0.2129	2.9964	0.01394	0.057	-3.16	-1.0848	none
DTNA	0.754	0.7195	2.9955	0.01396	0.057	-3.17	-0.6075	none
MCM3AP	0.72	0.7005	2.994	0.01399	0.057	-3.17	-1.4326	none
CCDC14	0.503	0.4556	2.9937	0.014	0.057	-3.17	-0.6037	none
PDE7B	0.347	0.2697	2.9936	0.014	0.057	-3.17	-0.7331	none
SKIDA1	0.51	0.4218	2.9933	0.01401	0.057	-3.17	-0.9558	none
RSF1	0.499	0.4658	2.9931	0.01402	0.057	-3.17	-0.272	none
CIITA	0.588	0.4778	2.9931	0.01402	0.057	-3.17	-0.7657	none
C11ORF1	0.375	0.1479	2.9917	0.01405	0.057	-3.17	0.34635	none
TRIM61	0.277	0.2103	2.9916	0.01405	0.057	-3.17	0.81573	none
MRLN	0.688	0.4719	2.9912	0.01406	0.057	-3.17	-0.4	none
ESRRG	0.411	0.3248	2.9911	0.01406	0.057	-3.17	-0.0701	none
SMARCD3	-0.284	-0.1089	-2.991	0.01406	0.057	-3.17	0.2455	none
MAGI3	0.285	0.2182	2.9904	0.01408	0.057	-3.17	0.4947	none
ATRIP	0.509	0.5183	2.9902	0.01409	0.057	-3.17	-0.4139	none
SRSF7	-0.484	-0.4514	-2.99	0.0141	0.057	-3.18	2.06063	none
NAA35	0.277	0.2316	2.9896	0.0141	0.057	-3.18	-0.1862	none
FUK	0.394	0.2986	2.9894	0.0141	0.057	-3.18	-1.2785	none
EML6	0.522	0.3601	2.9891	0.01411	0.057	-3.18	0.04583	none
CD248	-0.216	-0.1602	-2.989	0.01412	0.057	-3.18	0.92573	none
FTH1	-0.456	-0.4178	-2.988	0.01413	0.058	-3.18	1.91723	none
GPR85	0.679	0.4703	2.9878	0.01414	0.058	-3.18	-1.1827	none
GPR22	0.281	0.2122	2.9875	0.01415	0.058	-3.18	-0.9687	none
GCC2	0.694	0.6402	2.9875	0.01415	0.058	-3.18	-1.0947	none
FAM3A	0.435	0.3369	2.9871	0.01416	0.058	-3.18	-1.4522	none
HSF2BP	-0.242	-0.1791	-2.986	0.01418	0.058	-3.18	0.69251	none
SRCIN1	0.322	0.2371	2.9859	0.01419	0.058	-3.18	-1.3485	none

RSPH9	-0.23	-0.1236	-2.986	0.01419	0.058	-3.18	1.53088	none
NR2C2	0.698	0.6261	2.9857	0.01419	0.058	-3.18	-0.9795	none
OFD1	0.678	0.6075	2.9852	0.0142	0.058	-3.18	-0.2041	none
LPAR4	0.686	0.4944	2.9849	0.01421	0.058	-3.18	-0.5962	none
H3F3A	-0.575	-0.5915	-2.985	0.01421	0.058	-3.18	1.93271	none
COG8	0.354	0.2886	2.9848	0.01421	0.058	-3.18	-1.2952	none
FYCO1	0.632	0.6268	2.9842	0.01423	0.058	-3.18	-1.0375	none
ZNF473	0.667	0.5483	2.9837	0.01424	0.058	-3.19	-0.7405	none
CNDP2	0.408	0.3723	2.9834	0.01425	0.058	-3.19	-0.4335	none
KMT5C	0.683	0.5846	2.9831	0.01425	0.058	-3.19	-1.3978	none
SMAD2	0.356	0.2277	2.9825	0.01427	0.058	-3.19	-0.3231	none
FAM149B1	0.603	0.4416	2.9824	0.01427	0.058	-3.19	-0.911	none
ERAP2	0.549	0.4953	2.9822	0.01428	0.058	-3.19	-1.1659	none
BZW2	-0.276	-0.2094	-2.982	0.01428	0.058	-3.19	2.05323	none
TBC1D9B	0.585	0.549	2.982	0.01428	0.058	-3.19	-0.8909	none
CPQ	0.507	0.4331	2.981	0.0143	0.058	-3.19	-0.4825	none
RGS17	0.332	0.2221	2.9788	0.01436	0.058	-3.19	-1.3744	none
CLYBL	0.405	0.3392	2.9786	0.01436	0.058	-3.19	-0.4771	none
CLIC2	0.577	0.4283	2.9763	0.01442	0.058	-3.2	-0.6229	none
LSM4	-0.31	-0.235	-2.976	0.01442	0.058	-3.2	1.29918	none
C19ORF47	0.487	0.3321	2.9761	0.01442	0.058	-3.2	-0.613	none
PMAIP1	-0.343	-0.3418	-2.975	0.01444	0.058	-3.2	2.11649	AA-related
RMND1	0.431	0.327	2.9753	0.01444	0.058	-3.2	-0.8781	none
WWP2	0.634	0.5647	2.9749	0.01445	0.058	-3.2	-1.2103	none
SF3A2	0.671	0.6828	2.9728	0.0145	0.059	-3.2	-1.1177	none
BCAR1	0.289	0.2945	2.9725	0.01451	0.059	-3.2	-0.9496	none
EIF2A	0.396	0.3161	2.9724	0.01451	0.059	-3.2	-0.902	none
FAM118A	0.496	0.443	2.9719	0.01452	0.059	-3.2	-1.0737	none
VILL	0.464	0.4356	2.9717	0.01453	0.059	-3.21	-0.2409	none
EML3	0.36	0.3469	2.9712	0.01454	0.059	-3.21	-1.0725	none
ANKS1B	0.509	0.3188	2.9683	0.01461	0.059	-3.21	-1.1855	none
MREG	0.652	0.5485	2.9679	0.01462	0.059	-3.21	-1.0028	none
RAB33A	-0.431	-0.3861	-2.968	0.01462	0.059	-3.21	2.04025	none
HSPA12A	0.509	0.3979	2.9677	0.01463	0.059	-3.21	-1.3671	none
UVRAG	0.53	0.4099	2.9677	0.01463	0.059	-3.21	-1.2156	none
IGFLR1	0.528	0.3217	2.9671	0.01464	0.059	-3.21	-0.6348	none
BLOC1S1	-0.406	-0.3999	-2.967	0.01465	0.059	-3.21	1.79124	none
CHD5	0.374	0.3066	2.9655	0.01468	0.059	-3.22	-0.6477	none
HSBP1	-0.499	-0.4631	-2.965	0.01468	0.059	-3.22	1.57163	none
ZNF549	0.485	0.3962	2.9643	0.01471	0.059	-3.22	-1.0467	none

OR5AU1	0.226	0.1934	2.9636	0.01473	0.059	-3.22	-0.6376	none
1-Mar	0.351	0.2638	2.9629	0.01475	0.059	-3.22	-1.1747	none
REM2	-0.263	-0.179	-2.963	0.01475	0.059	-3.22	2.44456	AA-related
SIGLEC15	0.519	0.3757	2.9624	0.01476	0.059	-3.22	-0.7698	none
MOB1A	0.299	0.1609	2.9624	0.01476	0.059	-3.22	-1.0669	none
OXCT2	-0.263	-0.2069	-2.962	0.01476	0.059	-3.22	2.08827	none
PIK3C3	0.489	0.3391	2.9622	0.01476	0.059	-3.22	-0.7382	none
FAM156A	0.423	0.3997	2.9622	0.01476	0.059	-3.22	0.45655	none
C16ORF95	0.514	0.3728	2.9618	0.01477	0.059	-3.22	-0.642	none
C11ORF98	-0.262	-0.1975	-2.961	0.01478	0.059	-3.22	1.09775	none
PHLDA1	0.398	0.393	2.9615	0.01478	0.059	-3.22	-0.0663	none
FXD7	-0.361	-0.3112	-2.961	0.01478	0.059	-3.22	1.5391	none
TMEM8B	0.36	0.2508	2.9612	0.01479	0.059	-3.22	-0.7476	none
TAT	0.387	0.2742	2.961	0.01479	0.059	-3.22	-1.3951	none
CX3CL1	0.232	0.146	2.961	0.01479	0.059	-3.22	-1.0872	none
MCTS1	-0.525	-0.5091	-2.96	0.01483	0.059	-3.23	2.39289	AA-related
PLOD1	0.53	0.4673	2.9593	0.01483	0.059	-3.23	-0.5321	none
MTMR4	0.502	0.4893	2.9592	0.01484	0.059	-3.23	-1.0965	none
GLCE	0.354	0.2159	2.9592	0.01484	0.059	-3.23	-1.0351	none
TRAF3IP1	0.619	0.5454	2.9587	0.01485	0.059	-3.23	-0.7709	none
NAGA	-0.261	-0.1723	-2.959	0.01485	0.059	-3.23	1.88626	none
MSMP	0.348	0.1953	2.9587	0.01485	0.059	-3.23	-0.4588	none
LIPE	0.664	0.583	2.9587	0.01485	0.059	-3.23	-1.2363	none
ALDH4A1	-0.286	-0.1897	-2.959	0.01485	0.059	-3.23	2.15939	AA-related
BCAS3	0.458	0.3023	2.9579	0.01487	0.059	-3.23	-0.8586	none
ZNF264	0.372	0.2378	2.9577	0.01488	0.06	-3.23	-1.1176	none
C16ORF45	0.4	0.3312	2.9567	0.0149	0.06	-3.23	-0.9199	none
TBX19	0.424	0.3134	2.9565	0.01491	0.06	-3.23	-0.6312	none
WSCD2	0.307	0.3346	2.9565	0.01491	0.06	-3.23	1.23423	none
NLRC3	0.634	0.6197	2.956	0.01492	0.06	-3.23	-0.5554	none
EPHX2	0.36	0.3069	2.956	0.01492	0.06	-3.23	-0.4062	none
MOCS2	-0.397	-0.3717	-2.956	0.01492	0.06	-3.23	1.90832	none
RSBN1L	0.613	0.5362	2.9555	0.01493	0.06	-3.23	-0.9371	none
CD300LG	0.614	0.4202	2.9551	0.01494	0.06	-3.23	-0.6954	none
OR10K2	0.335	0.2613	2.9545	0.01496	0.06	-3.23	-1.2607	none
ELP3	0.336	0.2071	2.9541	0.01497	0.06	-3.23	-0.7552	none
TXNDC11	0.308	0.2679	2.9536	0.01498	0.06	-3.24	-0.8811	none
HIST1H2BI	0.436	0.2786	2.9529	0.015	0.06	-3.24	-1.2819	none
CHRNA3	0.45	0.3553	2.9524	0.01501	0.06	-3.24	-1.1253	none
LANCL3	0.315	0.2269	2.9519	0.01502	0.06	-3.24	-1.2157	none

BMP8B	0.239	0.202	2.9518	0.01502	0.06	-3.24	-0.9968	none
RAD54L2	0.694	0.6727	2.9516	0.01503	0.06	-3.24	-1.2235	none
ITGA2	0.373	0.3031	2.9516	0.01503	0.06	-3.24	-1.0927	none
CTHRC1	-0.352	-0.2436	-2.951	0.01505	0.06	-3.24	1.45693	none
STRIP2	0.42	0.4365	2.9504	0.01506	0.06	-3.24	-0.6286	none
PSIP1	0.555	0.5309	2.9499	0.01507	0.06	-3.24	-1.0309	none
NHSL1	0.596	0.4655	2.9495	0.01508	0.06	-3.24	-0.5105	none
DDX23	0.792	0.741	2.9494	0.01509	0.06	-3.24	-0.9486	none
ZC3H7B	0.789	0.7981	2.9488	0.0151	0.06	-3.24	-0.9694	none
TMEM30B	0.258	0.2026	2.9487	0.0151	0.06	-3.24	-0.118	none
TRMT5	-0.401	-0.3155	-2.948	0.01511	0.06	-3.24	0.65492	none
TTL	0.531	0.4791	2.948	0.01512	0.06	-3.24	-0.7652	none
EPHX4	0.391	0.2167	2.9476	0.01513	0.06	-3.25	-0.1079	none
IDNK	0.253	0.1001	2.9474	0.01514	0.06	-3.25	-0.8516	none
SLC8B1	0.229	0.1601	2.9466	0.01516	0.06	-3.25	0.08983	none
ZC3H14	0.719	0.6237	2.9461	0.01517	0.06	-3.25	-0.625	none
CDC42SE1	-0.215	-0.1869	-2.945	0.01519	0.06	-3.25	2.30195	AA-related
TPRN	-0.418	-0.2946	-2.945	0.01519	0.06	-3.25	0.43839	none
UBE2C	-0.348	-0.325	-2.945	0.01519	0.06	-3.25	2.15082	AA-related
BBS1	0.784	0.6728	2.9452	0.01519	0.06	-3.25	-1.1527	none
SAMD7	0.44	0.294	2.9451	0.01519	0.06	-3.25	-0.7748	none
DFFA	0.352	0.2317	2.9446	0.01521	0.06	-3.25	-1.2131	none
CNTROB	0.627	0.6239	2.9444	0.01521	0.06	-3.25	-0.646	none
ANAPC7	0.344	0.2771	2.9434	0.01524	0.06	-3.25	-0.7656	none
CIPC	0.381	0.3051	2.9422	0.01527	0.06	-3.25	-1.0592	none
PDIK1L	0.368	0.2723	2.9422	0.01527	0.06	-3.25	-1.0646	none
FBXO46	0.523	0.442	2.9422	0.01527	0.06	-3.25	-0.901	none
CCNJ	0.355	0.2753	2.9417	0.01528	0.061	-3.25	-0.51	none
ERCC8	0.451	0.2751	2.9411	0.0153	0.061	-3.26	-0.454	none
NDUFA3	0.63	0.4078	2.9409	0.0153	0.061	-3.26	-0.7625	none
AVEN	0.44	0.3755	2.9406	0.01531	0.061	-3.26	-0.8074	none
IPO13	0.425	0.4921	2.9398	0.01533	0.061	-3.26	-0.1169	none
HPRT1	-0.496	-0.4603	-2.94	0.01533	0.061	-3.26	1.89178	none
TMEM245	0.38	0.2982	2.9388	0.01535	0.061	-3.26	-0.2255	none
HS3ST3B1	0.455	0.394	2.9385	0.01536	0.061	-3.26	-1.4242	none
PSME2	-0.37	-0.3145	-2.938	0.01537	0.061	-3.26	1.2408	none
HELZ	0.536	0.4889	2.9379	0.01538	0.061	-3.26	-1.0266	none
VPS36	0.403	0.3133	2.937	0.0154	0.061	-3.26	-0.6242	none
MYOM3	0.318	0.2398	2.9368	0.01541	0.061	-3.26	-1.2568	none
AGO3	0.297	0.2712	2.9363	0.01542	0.061	-3.26	0.43637	none

B3GNT5	0.509	0.4529	2.9359	0.01543	0.061	-3.26	-0.5007	none
SUPT20H	0.353	0.3205	2.9356	0.01544	0.061	-3.26	0.17806	none
HSF2	-0.566	-0.4598	-2.935	0.01544	0.061	-3.27	2.13756	AA-related
NUP50	0.7	0.6149	2.9351	0.01545	0.061	-3.27	-1.1079	none
PEX1	0.405	0.3924	2.933	0.01551	0.061	-3.27	-0.0708	none
NEGR1	0.324	0.2627	2.9328	0.01551	0.061	-3.27	-1.3043	none
SNTA1	-0.224	-0.1888	-2.933	0.01551	0.061	-3.27	1.1977	none
MACROD1	-0.643	-0.3686	-2.933	0.01552	0.061	-3.27	0.89643	none
PLEKHA7	0.682	0.6629	2.9326	0.01552	0.061	-3.27	-0.087	none
FAM133B	0.566	0.4507	2.9318	0.01554	0.061	-3.27	-1.1863	none
HTN3	0.453	0.328	2.9312	0.01555	0.061	-3.27	-0.8826	none
NECAB3	0.477	0.3383	2.9312	0.01555	0.061	-3.27	-1.3507	none
EMC1	0.428	0.4132	2.9308	0.01556	0.061	-3.27	-0.8419	none
SIMC1	0.594	0.5662	2.9302	0.01558	0.061	-3.27	-0.4109	none
MSR1	0.617	0.488	2.929	0.01561	0.061	-3.28	-0.3571	none
EPB41	0.905	0.8471	2.928	0.01564	0.062	-3.28	-0.951	none
MZT2A	0.404	0.3146	2.9273	0.01566	0.062	-3.28	-1.1476	none
HDGF	-0.324	-0.1991	-2.927	0.01566	0.062	-3.28	1.07444	none
SLC40A1	0.302	0.2406	2.9268	0.01567	0.062	-3.28	-0.6484	none
SUMO2	-0.478	-0.487	-2.927	0.01567	0.062	-3.28	1.66083	none
HILPDA	0.461	0.3603	2.9268	0.01567	0.062	-3.28	-0.1381	none
TTC39C	0.417	0.2259	2.9264	0.01568	0.062	-3.28	-1.0937	none
BTBD9	0.407	0.4558	2.9256	0.0157	0.062	-3.28	-0.5318	none
TBCCD1	0.549	0.3799	2.9255	0.0157	0.062	-3.28	-1.3625	none
PNCK	0.431	0.407	2.9251	0.01571	0.062	-3.28	-0.3364	none
RPS10-NU	0.511	0.3701	2.9247	0.01572	0.062	-3.28	-1.1272	none
NBPF10	0.366	0.3971	2.9246	0.01573	0.062	-3.28	0.09595	none
HGSNAT	0.582	0.3359	2.9245	0.01573	0.062	-3.28	-1.0778	none
R3HCC1L	0.778	0.6794	2.9245	0.01573	0.062	-3.28	-1.3828	none
CARD8	0.397	0.2844	2.9242	0.01574	0.062	-3.28	-1.041	none
TUBA1B	-0.596	-0.5735	-2.924	0.01575	0.062	-3.28	2.10906	AA-related
FAM135A	0.604	0.4045	2.9231	0.01577	0.062	-3.29	-0.7757	none
CXCL12	-0.268	-0.1528	-2.923	0.01577	0.062	-3.29	1.20617	none
ZBP2	0.416	0.269	2.9229	0.01577	0.062	-3.29	-1.1828	none
ESCO1	0.596	0.5418	2.9216	0.01581	0.062	-3.29	-0.6619	none
CCP110	0.82	0.859	2.9212	0.01582	0.062	-3.29	-0.4451	none
GALNT7	0.355	0.3374	2.9212	0.01582	0.062	-3.29	-0.4576	none
USP49	0.577	0.4884	2.9211	0.01582	0.062	-3.29	-1.4895	none
ATP6V1B2	0.264	0.1527	2.921	0.01582	0.062	-3.29	-0.8301	none
DNAJB14	0.427	0.3494	2.9196	0.01586	0.062	-3.29	-0.7685	none

TUBA1C	-0.513	-0.5095	-2.918	0.0159	0.062	-3.29	1.55699	none
ARL2	0.315	0.2516	2.9178	0.01591	0.062	-3.29	-1.1686	none
ELF2	0.434	0.4263	2.9174	0.01592	0.062	-3.29	-0.6441	none
TMEM175	0.37	0.3015	2.9171	0.01593	0.062	-3.3	-0.7579	none
NAPSA	-0.422	-0.3213	-2.917	0.01593	0.062	-3.3	2.33528	AA-related
HOMER3	0.323	0.196	2.9165	0.01594	0.062	-3.3	-0.2968	none
BCAT1	0.38	0.2451	2.9161	0.01595	0.062	-3.3	-0.9603	none
ACVR1	0.36	0.2694	2.9161	0.01595	0.062	-3.3	0.70557	none
ARSD	0.664	0.5028	2.9149	0.01599	0.062	-3.3	-1.1521	none
MMRN2	0.433	0.3298	2.9148	0.01599	0.062	-3.3	-1.1046	none
PLP2	-0.353	-0.3372	-2.915	0.01599	0.062	-3.3	2.51941	AA-related
FDFT1	-0.289	-0.2342	-2.914	0.01601	0.062	-3.3	2.26655	AA-related
AOAH	0.758	0.6702	2.914	0.01601	0.062	-3.3	-0.6871	none
DDX17	0.258	0.2393	2.9136	0.01602	0.062	-3.3	-0.2346	none
CHST2	-0.308	-0.2383	-2.913	0.01603	0.062	-3.3	1.89055	none
GCK	0.252	0.2371	2.9133	0.01603	0.062	-3.3	0.15561	none
FRMPD2	0.378	0.2663	2.9128	0.01604	0.063	-3.3	-1.2008	none
ABCE1	0.241	0.1978	2.9117	0.01607	0.063	-3.3	-0.1365	none
FNIP1	0.448	0.3841	2.9102	0.01611	0.063	-3.31	-1.1785	none
VPS8	0.435	0.3694	2.9091	0.01614	0.063	-3.31	-0.7976	none
WFS1	0.347	0.2727	2.909	0.01615	0.063	-3.31	0.21558	none
CHD1	0.981	0.9293	2.9086	0.01616	0.063	-3.31	-0.9469	none
HSD11B1	-0.305	-0.3396	-2.908	0.01618	0.063	-3.31	1.91892	none
PPP1R3B	0.475	0.3953	2.9078	0.01618	0.063	-3.31	-0.6492	none
TNFAIP8L2	-0.394	-0.2662	-2.907	0.01621	0.063	-3.31	2.32394	AA-related
GAS6	0.45	0.3058	2.9061	0.01622	0.063	-3.31	0.40404	none
LCORL	0.425	0.3474	2.9054	0.01624	0.063	-3.31	-0.3929	none
PKHD1L1	0.35	0.2736	2.9048	0.01626	0.063	-3.32	-0.8122	none
PPP2R5C	0.231	0.1231	2.9048	0.01626	0.063	-3.32	-1.2045	none
C1QTNF2	0.414	0.2784	2.9047	0.01626	0.063	-3.32	-1.1731	none
SYNE3	0.582	0.5914	2.9038	0.01629	0.063	-3.32	-0.8066	none
CCDC167	-0.403	-0.3976	-2.904	0.01629	0.063	-3.32	1.16472	none
ZFP64	0.556	0.5229	2.9031	0.01631	0.063	-3.32	-1.1618	none
CCDC62	0.383	0.2685	2.903	0.01631	0.063	-3.32	-0.8163	none
MCMBP	0.253	0.1641	2.9028	0.01632	0.063	-3.32	-0.4254	none
MSL2	0.302	0.2175	2.9017	0.01634	0.063	-3.32	-0.5256	none
OVCA2	-0.83	-0.6737	-2.902	0.01634	0.063	-3.32	2.25464	AA-related
CHIT1	-0.474	-0.3505	-2.901	0.01636	0.063	-3.32	2.41806	AA-related
CELF1	0.345	0.3513	2.8989	0.01642	0.064	-3.33	0.04376	none
ZSCAN16	-0.552	-0.3859	-2.899	0.01643	0.064	-3.33	2.08578	none



SLC12A1	0.301	0.2281	2.8986	0.01643	0.064	-3.33	-1.2394	none
WDR34	-0.319	-0.2718	-2.899	0.01643	0.064	-3.33	2.27137	AA-related
ADK	-0.304	-0.2513	-2.899	0.01643	0.064	-3.33	2.35004	AA-related
SASH1	0.27	0.2091	2.8979	0.01645	0.064	-3.33	0.20351	none
AGK	0.352	0.3101	2.8978	0.01645	0.064	-3.33	-0.0418	none
NUDT9	0.546	0.4357	2.8975	0.01646	0.064	-3.33	-1.3628	none
PRDX2	-0.351	-0.2994	-2.897	0.01647	0.064	-3.33	0.6446	none
PHF3	0.955	0.9343	2.8968	0.01648	0.064	-3.33	-0.8511	none
CARM1	0.531	0.5418	2.896	0.0165	0.064	-3.33	0.20215	none
RBBP9	0.556	0.4181	2.8957	0.01651	0.064	-3.33	0.29515	none
FAM83G	0.397	0.3919	2.8948	0.01654	0.064	-3.33	-0.5975	none
OXCT1	0.339	0.2592	2.8946	0.01654	0.064	-3.33	-0.0373	none
BRD8	0.795	0.7722	2.8933	0.01658	0.064	-3.33	-1.1804	none
IFIT3	0.307	0.1961	2.8932	0.01658	0.064	-3.33	-0.7935	none
SMC6	0.857	0.8264	2.8928	0.01659	0.064	-3.34	-0.1009	none
ARID4A	0.647	0.5239	2.8923	0.01661	0.064	-3.34	-1.1596	none
CD160	0.552	0.4765	2.892	0.01661	0.064	-3.34	-0.5469	none
CINP	0.418	0.278	2.8917	0.01662	0.064	-3.34	-0.208	none
ZNF419	0.37	0.2685	2.8916	0.01663	0.064	-3.34	-1.0855	none
BRICD5	0.689	0.6538	2.8911	0.01664	0.064	-3.34	-1.2731	none
CCDC39	0.372	0.2641	2.8896	0.01668	0.064	-3.34	-0.7502	none
VPS4B	0.346	0.2224	2.8888	0.0167	0.064	-3.34	-1.0759	none
HSPA1A	-0.362	-0.2748	-2.888	0.01672	0.064	-3.34	0.50508	none
MCOLN2	0.511	0.3292	2.8873	0.01675	0.065	-3.34	-1.0199	none
POP5	0.333	0.213	2.8871	0.01675	0.065	-3.34	-1.2188	none
UAP1L1	0.367	0.3039	2.8869	0.01676	0.065	-3.35	-0.9107	none
POLR3GL	-0.254	-0.2284	-2.887	0.01676	0.065	-3.35	1.22837	none
PSMA2	-0.44	-0.3891	-2.886	0.01679	0.065	-3.35	1.07435	none
GTDC1	0.386	0.305	2.8855	0.0168	0.065	-3.35	-0.6433	none
APOF	0.315	0.2289	2.8853	0.0168	0.065	-3.35	-1.1847	none
TDRD9	0.492	0.3779	2.885	0.01681	0.065	-3.35	-0.9332	none
PHLPP1	0.764	0.6765	2.8844	0.01683	0.065	-3.35	-1.0676	none
UBQLN2	0.395	0.3355	2.8833	0.01686	0.065	-3.35	0.10741	none
SLCO4A1	0.283	0.2889	2.8831	0.01687	0.065	-3.35	0.26743	none
TAF1A	0.398	0.2306	2.8831	0.01687	0.065	-3.35	-0.6838	none
GALNT4	0.347	0.2324	2.883	0.01687	0.065	-3.35	-0.8258	none
MTERF2	0.41	0.3428	2.8827	0.01688	0.065	-3.35	0.87578	none
KLHL6	0.54	0.4918	2.8825	0.01688	0.065	-3.35	-1.3664	none
TEX2	0.526	0.5267	2.8821	0.01689	0.065	-3.35	-1.1521	none
STK31	0.442	0.3661	2.8813	0.01692	0.065	-3.35	-1.0115	none

BEAN1	0.466	0.3765	2.881	0.01693	0.065	-3.35	-1.2383	none
SLC22A4	0.258	0.1376	2.8807	0.01693	0.065	-3.36	-0.4467	none
WDR61	-0.446	-0.4146	-2.881	0.01694	0.065	-3.36	2.18562	AA-related
CACTIN	0.594	0.5924	2.8794	0.01697	0.065	-3.36	-1.1592	none
ECHS1	-0.299	-0.2303	-2.879	0.01697	0.065	-3.36	2.05634	none
MKRN3	0.503	0.3691	2.8794	0.01697	0.065	-3.36	-1.0622	none
SPCS3	-0.475	-0.4234	-2.879	0.01698	0.065	-3.36	2.1637	AA-related
CYFIP2	0.609	0.5753	2.8789	0.01698	0.065	-3.36	-0.8359	none
MTA3	0.398	0.2632	2.8786	0.01699	0.065	-3.36	-0.8606	none
CRCP	0.729	0.6759	2.8786	0.01699	0.065	-3.36	-0.6566	none
PCNX4	0.359	0.2775	2.8783	0.017	0.065	-3.36	-0.981	none
NPPA	-0.324	-0.257	-2.878	0.01702	0.065	-3.36	1.30793	none
HAVCR1	0.602	0.4327	2.8768	0.01705	0.065	-3.36	-1.0928	none
OMD	0.386	0.3011	2.8765	0.01706	0.065	-3.36	-1.0132	none
PIK3CB	0.649	0.592	2.8761	0.01707	0.065	-3.36	-1.2738	none
STAM	0.336	0.1928	2.876	0.01707	0.065	-3.36	-1.2005	none
SARDH	0.317	0.227	2.8752	0.01709	0.065	-3.36	-0.9272	none
IKZF3	0.798	0.8238	2.8746	0.01711	0.065	-3.37	-0.8267	none
LUC7L	0.357	0.3409	2.8737	0.01714	0.066	-3.37	-1.3586	none
FANCL	-0.267	-0.21	-2.873	0.01715	0.066	-3.37	2.31114	AA-related
UPF3A	0.526	0.4749	2.8732	0.01715	0.066	-3.37	-0.7865	none
KCNMB3	0.21	0.1536	2.8722	0.01718	0.066	-3.37	-1.3407	none
MORC3	0.568	0.5255	2.8715	0.0172	0.066	-3.37	-1.0108	none
IL17RA	0.48	0.447	2.8713	0.0172	0.066	-3.37	0.04421	none
TMEM159	0.441	0.2525	2.8711	0.01721	0.066	-3.37	-1.1149	none
APOC1	0.855	0.6653	2.871	0.01721	0.066	-3.37	-0.439	none
PSMG2	-0.526	-0.5069	-2.871	0.01721	0.066	-3.37	2.14741	AA-related
TBC1D15	0.339	0.2311	2.8708	0.01722	0.066	-3.37	-0.5073	none
BRCA2	0.665	0.6967	2.8707	0.01722	0.066	-3.37	-0.9011	none
COLGALT1	0.425	0.39	2.8701	0.01724	0.066	-3.37	-1.3612	none
RNF145	0.239	0.2333	2.8699	0.01724	0.066	-3.37	0.4475	none
TLL1	0.232	0.2326	2.8693	0.01726	0.066	-3.37	0.89998	none
PAQR8	0.357	0.2472	2.8689	0.01727	0.066	-3.37	-0.5977	none
ZNF623	0.477	0.4219	2.8687	0.01728	0.066	-3.38	-1.116	none
KDM4B	0.676	0.6738	2.8683	0.01729	0.066	-3.38	-0.8004	none
ZBED2	-0.298	-0.1929	-2.868	0.01729	0.066	-3.38	2.09228	AA-related
TSHZ2	0.57	0.5472	2.8679	0.0173	0.066	-3.38	-1.2357	none
CBX5	0.347	0.2653	2.8675	0.01732	0.066	-3.38	-1.2667	none
ARHGEF4	0.558	0.4363	2.8672	0.01732	0.066	-3.38	-1.0415	none
CNOT6L	0.251	0.181	2.8671	0.01733	0.066	-3.38	-0.6	none

PARP8	0.501	0.3883	2.8669	0.01733	0.066	-3.38	-0.8148	none
ZNF18	0.676	0.5017	2.8664	0.01735	0.066	-3.38	-1.489	none
SRGN	-0.609	-0.5885	-2.866	0.01735	0.066	-3.38	1.62087	none
RFWD3	0.539	0.5008	2.8657	0.01737	0.066	-3.38	-1.1183	none
SGCB	0.48	0.3423	2.8656	0.01737	0.066	-3.38	-0.0876	none
TGIF2	0.364	0.2849	2.8656	0.01737	0.066	-3.38	-0.7588	none
SUMF1	0.374	0.2479	2.8648	0.0174	0.066	-3.38	-0.9489	none
EXOC3L2	0.431	0.3209	2.8644	0.01741	0.066	-3.38	-1.028	none
PSPC1	0.431	0.4437	2.8636	0.01743	0.066	-3.38	-0.8192	none
CYP27B1	0.806	0.579	2.863	0.01745	0.066	-3.38	-1.0215	none
FRMD5	0.466	0.4545	2.8627	0.01746	0.066	-3.39	-0.5034	none
CACNA1F	0.657	0.5142	2.8622	0.01747	0.066	-3.39	-1.101	none
FAM210B	0.373	0.2614	2.8619	0.01748	0.066	-3.39	-0.0492	none
ATP1B4	0.413	0.3029	2.8618	0.01748	0.066	-3.39	-1.4093	none
THUMPD3	0.409	0.3574	2.8613	0.0175	0.066	-3.39	-0.5417	none
CUL9	0.395	0.3727	2.8591	0.01756	0.067	-3.39	-1.0552	none
EEF1A2	0.511	0.3453	2.8577	0.01761	0.067	-3.39	-1.1573	none
DHRS1	0.384	0.2505	2.8566	0.01763	0.067	-3.4	-0.6006	none
ZC3H8	0.261	0.196	2.8564	0.01764	0.067	-3.4	-0.7114	none
NXNL2	0.383	0.289	2.856	0.01765	0.067	-3.4	-1.2892	none
FKBP11	0.315	0.1827	2.856	0.01765	0.067	-3.4	-0.6295	none
GLRA3	0.236	0.1684	2.8549	0.01769	0.067	-3.4	-1.3492	none
TXN	-0.556	-0.5566	-2.855	0.0177	0.067	-3.4	2.16813	AA-related
PRAF2	-0.657	-0.523	-2.854	0.01773	0.067	-3.4	1.98804	none
ZNF773	0.513	0.3761	2.8532	0.01774	0.067	-3.4	-1.1523	none
KIAA1257	0.582	0.4773	2.8519	0.01778	0.067	-3.4	-1.0706	none
L1CAM	-0.327	-0.2507	-2.852	0.01778	0.067	-3.4	0.29134	none
GPR155	0.482	0.3299	2.8511	0.0178	0.067	-3.4	-0.6948	none
C1QTNF6	0.401	0.2985	2.8509	0.01781	0.067	-3.4	-0.9056	none
TMEM91	0.377	0.2067	2.8509	0.01781	0.067	-3.4	-0.8661	none
POLD4	0.361	0.2631	2.8507	0.01781	0.067	-3.4	-1.0587	none
OR4D1	0.315	0.2297	2.8498	0.01784	0.067	-3.41	-1.285	none
PDCD7	0.424	0.346	2.8497	0.01784	0.067	-3.41	-1.5027	none
MTIF2	0.555	0.4661	2.849	0.01786	0.067	-3.41	-0.9053	none
CLEC16A	0.509	0.5337	2.849	0.01786	0.067	-3.41	-0.3827	none
SULT1C2	0.383	0.2596	2.8487	0.01787	0.068	-3.41	-1.4049	none
RPS24	-0.378	-0.3808	-2.849	0.01788	0.068	-3.41	2.12533	AA-related
NHP2	-0.327	-0.2984	-2.848	0.01789	0.068	-3.41	1.72965	none
OTUD1	-0.278	-0.193	-2.848	0.01789	0.068	-3.41	1.93371	none
SHOC2	0.351	0.1706	2.8478	0.0179	0.068	-3.41	-0.3366	none

SH2D1A	-0.592	-0.5488	-2.848	0.0179	0.068	-3.41	0.72843	none
ICOSLG	0.448	0.402	2.8471	0.01792	0.068	-3.41	-1.4249	none
OR8J3	0.264	0.1816	2.8463	0.01795	0.068	-3.41	-1.4047	none
TMEM80	0.35	0.2885	2.8451	0.01798	0.068	-3.41	-0.3805	none
KPNA4	0.489	0.4395	2.8447	0.01799	0.068	-3.41	-0.5604	none
E2F2	0.353	0.3062	2.8441	0.01801	0.068	-3.42	-1.4854	none
MUSTN1	-0.554	-0.4057	-2.844	0.01802	0.068	-3.42	1.55122	none
GRIA1	-0.533	-0.4175	-2.844	0.01803	0.068	-3.42	-0.0875	none
ZNF236	0.95	0.8503	2.8434	0.01803	0.068	-3.42	-0.9721	none
PLEK2	-0.663	-0.4936	-2.843	0.01803	0.068	-3.42	1.98708	none
ZNF524	-0.296	-0.3327	-2.843	0.01804	0.068	-3.42	1.35051	none
FRA10AC1	0.566	0.5763	2.843	0.01805	0.068	-3.42	-0.6098	none
C11ORF52	0.464	0.317	2.8428	0.01805	0.068	-3.42	-1.0902	none
LILRA6	0.216	0.1589	2.8421	0.01807	0.068	-3.42	-1.4884	none
DHX30	0.412	0.3956	2.8414	0.01809	0.068	-3.42	-0.26	none
RPSA	-0.53	-0.5123	-2.841	0.01809	0.068	-3.42	1.75425	none
HACE1	0.411	0.2688	2.841	0.01811	0.068	-3.42	-0.9975	none
ZNF823	0.436	0.4305	2.8404	0.01812	0.068	-3.42	0.30872	none
PSG4	-0.21	-0.1346	-2.84	0.01813	0.068	-3.42	-0.2092	none
TRIB3	-0.275	-0.2025	-2.839	0.01816	0.068	-3.42	1.82888	none
COA5	0.302	0.1617	2.8385	0.01818	0.068	-3.43	0.33515	none
NRF1	0.308	0.2634	2.8384	0.01818	0.068	-3.43	-0.2494	none
CNST	0.537	0.5087	2.8373	0.01822	0.068	-3.43	0.15633	none
CDCA7	-0.339	-0.2962	-2.837	0.01823	0.068	-3.43	2.6076	AA-related
ARL17B	0.764	0.4825	2.837	0.01823	0.068	-3.43	-1.3714	none
LEPR	0.257	0.1475	2.8369	0.01823	0.068	-3.43	0.58279	none
POLE	0.745	0.7668	2.8367	0.01824	0.068	-3.43	-1.0846	none
HCFC2	0.345	0.2817	2.8367	0.01824	0.068	-3.43	-1.2753	none
SNURF	0.887	0.5252	2.8365	0.01825	0.068	-3.43	-0.709	none
STK11	0.496	0.4876	2.8351	0.01829	0.069	-3.43	-0.8687	none
IRAK2	0.35	0.3029	2.8347	0.0183	0.069	-3.43	-0.7403	none
LLGL1	0.319	0.2952	2.834	0.01832	0.069	-3.43	-1.1355	none
MADD	0.636	0.6319	2.8334	0.01834	0.069	-3.43	-1.2416	none
ZNF432	0.488	0.4215	2.8333	0.01834	0.069	-3.43	-0.8921	none
FAM120C	0.249	0.1926	2.8332	0.01835	0.069	-3.43	0.20117	none
SATB2	0.521	0.3942	2.8324	0.01837	0.069	-3.44	-0.7462	none
CCDC74A	0.338	0.3035	2.8319	0.01839	0.069	-3.44	-0.9523	none
POM121C	0.673	0.7277	2.8316	0.0184	0.069	-3.44	-0.9241	none
NDUFS5	-0.39	-0.3993	-2.83	0.01844	0.069	-3.44	2.19897	AA-related
PJA2	0.391	0.2877	2.83	0.01845	0.069	-3.44	-1.3139	none

TMEM132	0.279	0.1918	2.8292	0.01847	0.069	-3.44	-1.3801	none
SRP14	-0.237	-0.2215	-2.829	0.01849	0.069	-3.44	1.57968	none
PDF	0.594	0.5457	2.8284	0.0185	0.069	-3.44	0.38007	none
PRKRA	0.242	0.1353	2.8283	0.0185	0.069	-3.44	-0.3396	none
ZZEF1	0.644	0.6513	2.8283	0.0185	0.069	-3.44	-0.6845	none
CREB3L3	0.418	0.4413	2.8283	0.0185	0.069	-3.44	-0.3496	none
FAM13B	0.644	0.5627	2.8283	0.0185	0.069	-3.44	-0.907	none
PGD	-0.214	-0.158	-2.826	0.01856	0.069	-3.44	2.2267	AA-related
SIK2	0.594	0.5445	2.8262	0.01857	0.069	-3.45	-0.9134	none
NBR1	0.562	0.501	2.8255	0.01859	0.069	-3.45	-1.0854	none
SFTPB	0.472	0.3486	2.825	0.0186	0.069	-3.45	-1.1291	none
QTRT2	0.386	0.291	2.8248	0.01861	0.069	-3.45	-0.2667	none
GPR137	0.488	0.3743	2.824	0.01864	0.069	-3.45	-0.0162	none
HOXB7	0.961	0.8688	2.8236	0.01865	0.07	-3.45	-0.8988	none
ZNF257	0.792	0.5603	2.8232	0.01866	0.07	-3.45	-0.8442	none
HLA-E	0.295	0.1568	2.8228	0.01867	0.07	-3.45	0.00791	none
STAU2	0.48	0.3527	2.8217	0.01871	0.07	-3.45	-0.0722	none
EXT2	0.265	0.1681	2.8216	0.01871	0.07	-3.45	0.40009	none
TCAF2	0.373	0.3342	2.8215	0.01871	0.07	-3.45	-0.8082	none
C10ORF11	0.563	0.4287	2.8213	0.01872	0.07	-3.45	-0.9255	none
SUB1	-0.385	-0.3712	-2.821	0.01872	0.07	-3.45	1.83375	none
SIRPG	-0.232	-0.2086	-2.821	0.01873	0.07	-3.45	1.62802	none
MBTD1	0.474	0.4022	2.8207	0.01874	0.07	-3.45	-0.8286	none
AVPR1A	0.24	0.1578	2.8201	0.01876	0.07	-3.46	-0.2033	none
TBCA	-0.352	-0.3557	-2.819	0.0188	0.07	-3.46	1.85352	none
DDX10	0.663	0.6421	2.8187	0.0188	0.07	-3.46	-0.298	none
GOLGA2	0.614	0.5483	2.8186	0.0188	0.07	-3.46	-0.7017	none
NDUFA4	-0.444	-0.4504	-2.818	0.01881	0.07	-3.46	2.24306	AA-related
ZNF106	0.91	0.895	2.8183	0.01881	0.07	-3.46	-0.8424	none
SNX15	0.556	0.4162	2.8181	0.01882	0.07	-3.46	-0.5333	none
NXPE3	0.421	0.3033	2.8179	0.01883	0.07	-3.46	-0.3408	none
QRICH1	0.692	0.7022	2.8174	0.01884	0.07	-3.46	-0.6979	none
POLE3	-0.276	-0.256	-2.817	0.01885	0.07	-3.46	2.29567	AA-related
RRM2	-0.355	-0.3107	-2.817	0.01886	0.07	-3.46	2.10634	AA-related
ZNF678	0.386	0.2876	2.8164	0.01887	0.07	-3.46	-0.4971	none
RDH13	0.637	0.584	2.8164	0.01888	0.07	-3.46	-0.2773	none
FAM184A	0.668	0.5937	2.8148	0.01892	0.07	-3.46	-0.091	none
FAM172A	0.47	0.3431	2.8146	0.01893	0.07	-3.46	0.58631	none
CCDC146	0.411	0.2452	2.8142	0.01894	0.07	-3.47	-0.6023	none
GPX3	0.809	0.7954	2.8142	0.01895	0.07	-3.47	-1.0203	none

MPDU1	0.412	0.2149	2.8139	0.01896	0.07	-3.47	-0.8093	none
SHMT2	-0.242	-0.1787	-2.814	0.01896	0.07	-3.47	0.55244	none
TSNARE1	0.518	0.4334	2.813	0.01898	0.07	-3.47	-1.0008	none
HIST1H1D	-0.381	-0.3525	-2.813	0.01899	0.07	-3.47	0.93128	none
MGAT4B	0.309	0.3032	2.8121	0.01901	0.07	-3.47	-0.2704	none
DCDC2	0.375	0.2707	2.8119	0.01902	0.07	-3.47	-1.3808	none
U2AF1L4	0.375	0.2299	2.8114	0.01903	0.07	-3.47	-1.1741	none
DNAJC25	0.32	0.2602	2.8114	0.01903	0.07	-3.47	-0.6939	none
SCARB2	0.449	0.3171	2.8104	0.01907	0.071	-3.47	-1.1373	none
SULF2	0.495	0.512	2.8096	0.01909	0.071	-3.47	-0.1314	none
FAM227B	0.568	0.4187	2.8091	0.01911	0.071	-3.47	0.09682	none
PRPF39	0.507	0.4324	2.809	0.01911	0.071	-3.47	-0.1398	none
C4ORF36	0.406	0.3694	2.8084	0.01913	0.071	-3.47	-0.5665	none
ACSM3	0.545	0.4891	2.8083	0.01913	0.071	-3.47	-0.6307	none
RPL22L1	-0.587	-0.5732	-2.807	0.01916	0.071	-3.48	2.28251	AA-related
WDR72	0.822	0.6861	2.8073	0.01917	0.071	-3.48	-0.6163	none
RPL22	-0.408	-0.4355	-2.807	0.01918	0.071	-3.48	1.97159	none
CYB5D2	0.469	0.3184	2.8064	0.01919	0.071	-3.48	-1.0377	none
CLDN12	0.542	0.4253	2.8063	0.0192	0.071	-3.48	-1.3191	none
PCCB	0.226	0.1535	2.8063	0.0192	0.071	-3.48	-0.5891	none
ADAT2	0.365	0.2757	2.8057	0.01922	0.071	-3.48	-1.0211	none
LMO7	0.422	0.3686	2.8056	0.01922	0.071	-3.48	-0.1592	none
TP53AIP1	0.492	0.3446	2.8043	0.01926	0.071	-3.48	-1.2701	none
B4GALNT2	0.231	0.2031	2.8043	0.01926	0.071	-3.48	-0.9176	none
NINJ2	-0.381	-0.4006	-2.804	0.01928	0.071	-3.48	1.32467	none
CCL22	0.662	0.5264	2.8037	0.01928	0.071	-3.48	-1.2979	none
MRPL30	0.339	0.2235	2.8035	0.01929	0.071	-3.48	-1.0887	none
INTS6L	0.426	0.3546	2.8029	0.01931	0.071	-3.48	0.29687	none
KMT2E	0.653	0.6167	2.8028	0.01931	0.071	-3.48	-0.809	none
SYT13	0.273	0.181	2.8026	0.01932	0.071	-3.48	-1.3056	none
RAB15	0.455	0.3998	2.8023	0.01933	0.071	-3.48	-1.2535	none
RAI1	0.386	0.4055	2.802	0.01934	0.071	-3.49	-0.5013	none
PRLHR	0.278	0.2002	2.8018	0.01935	0.071	-3.49	-1.1788	none
GNS	0.328	0.1969	2.8011	0.01937	0.071	-3.49	-0.9698	none
VEZT	0.549	0.4715	2.8006	0.01938	0.071	-3.49	-0.8834	none
CHCHD2	-0.456	-0.422	-2.8	0.0194	0.071	-3.49	2.12148	AA-related
FAM168A	0.766	0.7129	2.8	0.0194	0.071	-3.49	-1.1366	none
DDX42	0.916	0.8983	2.7999	0.01941	0.071	-3.49	-1.0387	none
MED10	-0.208	-0.1727	-2.799	0.01944	0.071	-3.49	1.74367	none
AMT	0.338	0.3154	2.798	0.01947	0.072	-3.49	-0.6922	none

XPO6	0.416	0.3953	2.7978	0.01948	0.072	-3.49	-1.0328	none
12-Sep	0.747	0.5805	2.7977	0.01948	0.072	-3.49	-0.8982	none
C14ORF28	0.387	0.2035	2.7971	0.0195	0.072	-3.49	-0.588	none
ZNF385D	0.314	0.2502	2.7969	0.01951	0.072	-3.49	-0.8675	none
DNASE2	0.338	0.2868	2.7961	0.01953	0.072	-3.49	-0.1565	none
LGALS7B	-0.194	-0.1292	-2.794	0.01961	0.072	-3.5	-0.2163	none
USP7	0.884	0.8185	2.7936	0.01962	0.072	-3.5	-0.7851	none
PYHIN1	0.573	0.4311	2.7934	0.01962	0.072	-3.5	-0.9861	none
PRDM5	0.898	0.7208	2.7929	0.01964	0.072	-3.5	-0.9138	none
STON1	0.24	0.2019	2.7924	0.01966	0.072	-3.5	-1.2368	none
ADM	-0.56	-0.3998	-2.792	0.01968	0.072	-3.5	1.76375	none
TDRKH	0.58	0.4371	2.7914	0.01969	0.072	-3.5	-0.8738	none
NQO1	-0.377	-0.4287	-2.791	0.01969	0.072	-3.5	1.98918	none
IL34	0.474	0.3374	2.7911	0.0197	0.072	-3.5	-0.2395	none
EIF2AK4	0.602	0.573	2.7911	0.0197	0.072	-3.5	-1.279	none
C2ORF80	0.618	0.407	2.7909	0.0197	0.072	-3.5	-1.3268	none
FAHD1	0.327	0.2565	2.7904	0.01972	0.072	-3.5	-1.0741	none
PPP1CA	-0.339	-0.2978	-2.79	0.01975	0.072	-3.51	1.34758	none
FAM153B	0.827	0.6591	2.7879	0.0198	0.072	-3.51	-0.9507	none
GJB3	-0.283	-0.1767	-2.787	0.01983	0.073	-3.51	1.13124	none
HELLS	0.501	0.5012	2.7871	0.01983	0.073	-3.51	-1.2712	none
MAST3	0.532	0.4821	2.7871	0.01983	0.073	-3.51	-1.1303	none
RPGR	0.397	0.2877	2.787	0.01983	0.073	-3.51	-1.094	none
MAP3K19	-0.31	-0.219	-2.787	0.01984	0.073	-3.51	0.17736	none
ZSCAN12	0.572	0.4808	2.7867	0.01985	0.073	-3.51	-1.2388	none
TRIM45	0.317	0.2349	2.786	0.01987	0.073	-3.51	-1.1369	none
EPHA10	0.506	0.3208	2.7857	0.01988	0.073	-3.51	-1.2265	none
NDUFA5	0.313	0.1519	2.7856	0.01988	0.073	-3.51	-0.9497	none
OSMR	0.24	0.1348	2.784	0.01994	0.073	-3.51	-0.7811	none
BMPR2	0.547	0.5544	2.7837	0.01994	0.073	-3.52	-0.0402	none
UFSP2	-0.335	-0.3092	-2.783	0.01996	0.073	-3.52	1.93346	none
MAST4	0.556	0.5843	2.7827	0.01998	0.073	-3.52	-0.6045	none
CREM	-0.363	-0.3605	-2.781	0.02004	0.073	-3.52	1.17424	none
EPC1	0.252	0.2351	2.7807	0.02005	0.073	-3.52	0.28717	none
GPR89A	0.326	0.2105	2.7807	0.02005	0.073	-3.52	-0.3955	none
IL18RAP	-0.285	-0.2572	-2.78	0.02007	0.073	-3.52	1.28849	none
DNA2	0.585	0.4954	2.7796	0.02009	0.073	-3.52	-1.3027	none
UTS2B	0.347	0.2645	2.7795	0.02009	0.073	-3.52	-0.6898	none
RANBP9	0.617	0.5464	2.779	0.02011	0.073	-3.52	0.19421	none
GLMN	0.356	0.2626	2.7781	0.02014	0.073	-3.52	-0.2496	none

ARHGDIB	-0.258	-0.2114	-2.776	0.02022	0.074	-3.53	1.9976	none
NDUFAF4	-0.454	-0.4045	-2.774	0.02026	0.074	-3.53	2.55481	AA-related
FAM199X	0.252	0.1457	2.7735	0.02029	0.074	-3.53	-0.428	none
NKIRAS1	0.419	0.276	2.773	0.02031	0.074	-3.53	-0.7817	none
HSPA8	-0.306	-0.2623	-2.773	0.02031	0.074	-3.53	2.18412	AA-related
APOL2	0.654	0.6107	2.7725	0.02033	0.074	-3.53	-1.3865	none
ID3	-0.437	-0.3741	-2.772	0.02035	0.074	-3.53	2.22865	AA-related
MAP7D1	0.68	0.6734	2.7716	0.02036	0.074	-3.54	-0.9755	none
UBAP2L	0.62	0.6324	2.7716	0.02036	0.074	-3.54	-0.7058	none
ACSL3	0.408	0.3519	2.7715	0.02036	0.074	-3.54	-0.2707	none
ZNF334	0.274	0.2062	2.7707	0.02039	0.074	-3.54	-1.247	none
LSM5	-0.544	-0.5531	-2.771	0.02039	0.074	-3.54	2.13291	AA-related
PDE1B	0.416	0.3558	2.7707	0.02039	0.074	-3.54	-1.118	none
GCNT4	0.252	0.1124	2.7706	0.02039	0.074	-3.54	-0.6236	none
UBA6	0.56	0.475	2.7695	0.02043	0.074	-3.54	-1.2776	none
CABP1	0.563	0.4318	2.7684	0.02047	0.074	-3.54	-0.9576	none
KPNA2	-0.3	-0.2308	-2.768	0.02049	0.074	-3.54	1.37468	none
TTC39B	0.326	0.1834	2.7679	0.02049	0.074	-3.54	-1.0255	none
C8ORF37	0.401	0.3445	2.7672	0.02051	0.074	-3.54	-0.3346	none
SLC39A13	0.382	0.2869	2.7669	0.02052	0.074	-3.54	-0.3105	none
MFF	-0.355	-0.3103	-2.766	0.02054	0.074	-3.54	2.32114	AA-related
ZNF880	0.431	0.3318	2.7659	0.02055	0.075	-3.54	-0.5645	none
NDC80	0.644	0.5853	2.7657	0.02056	0.075	-3.55	-1.2772	none
PIH1D2	0.838	0.6432	2.7652	0.02058	0.075	-3.55	-1.3055	none
MRPS6	-0.456	-0.465	-2.764	0.02061	0.075	-3.55	1.6634	none
CSNK1G3	0.41	0.4173	2.7635	0.02064	0.075	-3.55	0.7655	none
SEMA5B	0.26	0.1726	2.7635	0.02064	0.075	-3.55	-1.206	none
CD300A	0.38	0.2813	2.7632	0.02065	0.075	-3.55	-1.0338	none
DHX37	0.707	0.6758	2.7625	0.02067	0.075	-3.55	-1.1518	none
OR6J1	0.292	0.2213	2.7619	0.02069	0.075	-3.55	-0.7799	none
NUP37	-0.351	-0.3577	-2.762	0.0207	0.075	-3.55	1.88946	none
SH3YL1	0.353	0.1713	2.7618	0.0207	0.075	-3.55	-0.8545	none
PAM	0.342	0.3451	2.7612	0.02072	0.075	-3.55	0.22862	none
C2ORF91	0.331	0.2905	2.7611	0.02072	0.075	-3.55	-0.3689	none
SEN2	0.299	0.152	2.761	0.02073	0.075	-3.55	-1.2188	none
CLSTN2	0.214	0.1458	2.7608	0.02073	0.075	-3.55	-1.3951	none
KDM4C	0.635	0.6131	2.7602	0.02075	0.075	-3.55	-0.3997	none
LRRC37A2	0.523	0.506	2.7598	0.02077	0.075	-3.55	-0.7299	none
MRPL51	-0.411	-0.3909	-2.76	0.02078	0.075	-3.56	1.39708	none
NPM3	-0.517	-0.4724	-2.759	0.02078	0.075	-3.56	2.29971	AA-related



CCT4	-0.29	-0.2527	-2.759	0.02079	0.075	-3.56	1.94383	none
ACOXL	0.441	0.3551	2.7582	0.02082	0.075	-3.56	-1.1041	none
PALB2	0.659	0.6406	2.7577	0.02084	0.075	-3.56	-0.1244	none
STIM1	0.308	0.2643	2.7573	0.02086	0.075	-3.56	0.01025	none
AL358113.	0.677	0.4481	2.757	0.02086	0.075	-3.56	-0.4883	none
TGM1	0.342	0.3238	2.7569	0.02087	0.075	-3.56	-1.0211	none
FHIT	0.546	0.3148	2.7568	0.02087	0.075	-3.56	-0.5764	none
GPR12	0.291	0.225	2.7559	0.0209	0.075	-3.56	-0.5165	none
C7ORF61	0.326	0.3571	2.7553	0.02092	0.075	-3.56	-0.1613	none
ERO1B	-0.337	-0.3146	-2.755	0.02094	0.075	-3.56	1.61697	none
INPP5E	0.286	0.2663	2.7547	0.02095	0.075	-3.56	-0.9184	none
CTTNBP2N	0.556	0.5271	2.7546	0.02095	0.075	-3.56	-1.0395	none
MYL12B	-0.291	-0.318	-2.754	0.02096	0.075	-3.56	1.85049	none
PRKAG1	0.348	0.1927	2.7539	0.02098	0.076	-3.56	-0.7718	none
ZNF260	0.525	0.4827	2.7537	0.02098	0.076	-3.56	-0.6987	none
LRIG2	0.611	0.5685	2.7534	0.02099	0.076	-3.57	-1.4381	none
PPP4C	0.303	0.2152	2.7531	0.021	0.076	-3.57	-0.126	none
RPS6KA6	0.316	0.232	2.7528	0.02102	0.076	-3.57	-1.4293	none
TMEM233	0.36	0.2942	2.7528	0.02102	0.076	-3.57	0.0668	none
NUTM2D	0.328	0.2943	2.7527	0.02102	0.076	-3.57	-1.4345	none
DCLRE1C	0.783	0.7582	2.7527	0.02102	0.076	-3.57	-1.1215	none
DHRS12	-0.294	-0.2413	-2.752	0.02103	0.076	-3.57	0.50268	none
ATG2B	0.705	0.6344	2.7522	0.02104	0.076	-3.57	-0.6321	none
PRICKLE3	0.306	0.2499	2.752	0.02104	0.076	-3.57	0.07352	none
KDM6A	0.47	0.4316	2.7515	0.02106	0.076	-3.57	0.14633	none
FHDC1	0.257	0.1991	2.7509	0.02108	0.076	-3.57	-1.5574	OA-related
DERL2	-0.422	-0.3824	-2.75	0.02112	0.076	-3.57	1.23252	none
ZNF551	0.339	0.3076	2.7491	0.02114	0.076	-3.57	-0.861	none
IFRD1	0.397	0.3714	2.7476	0.0212	0.076	-3.57	-0.4323	none
CNNM3	0.373	0.3096	2.7476	0.0212	0.076	-3.57	-0.4822	none
SHANK1	0.302	0.2585	2.7476	0.0212	0.076	-3.57	0.11376	none
RPL14	-0.36	-0.3459	-2.747	0.02124	0.076	-3.58	1.82513	none
CDKN2AIP	0.357	0.2038	2.7463	0.02125	0.076	-3.58	-0.8294	none
ADAL	0.439	0.3855	2.746	0.02126	0.076	-3.58	-1.2984	none
ACSM2A	0.384	0.3454	2.746	0.02126	0.076	-3.58	-0.5765	none
CD79B	-0.237	-0.1921	-2.745	0.02128	0.076	-3.58	1.41173	none
GPC2	0.487	0.4164	2.7454	0.02128	0.076	-3.58	-1.2233	none
SAXO2	0.818	0.6456	2.7445	0.02131	0.076	-3.58	-0.8881	none
HBS1L	0.412	0.3656	2.7445	0.02131	0.076	-3.58	-0.9257	none
MYL6	-0.371	-0.3247	-2.744	0.02134	0.076	-3.58	0.50183	none

MOBP	0.41	0.304	2.7435	0.02135	0.076	-3.58	-1.4079	none
PRDM2	0.551	0.4845	2.7433	0.02135	0.076	-3.58	-1.2404	none
CCAR1	0.91	0.8819	2.7409	0.02144	0.077	-3.59	-0.5222	none
NUP210L	0.195	0.1517	2.7404	0.02146	0.077	-3.59	-1.1486	none
VN1R1	0.229	0.1315	2.74	0.02148	0.077	-3.59	-1.254	none
SMAD9	0.297	0.235	2.7399	0.02148	0.077	-3.59	-0.9721	none
FLT1	0.734	0.6924	2.7381	0.02154	0.077	-3.59	-0.2724	none
SULT1A3	0.495	0.4698	2.7376	0.02156	0.077	-3.59	-0.2496	none
RBM6	0.745	0.7001	2.7373	0.02157	0.077	-3.59	-1.3205	none
MUC17	0.568	0.3425	2.737	0.02158	0.077	-3.59	-0.0097	none
TOMM6	-0.404	-0.3932	-2.737	0.02158	0.077	-3.59	2.00937	none
GDF15	0.668	0.4983	2.737	0.02158	0.077	-3.59	-1.4328	none
PIK3CD	0.568	0.5756	2.7363	0.02161	0.077	-3.59	-0.2413	none
PIGO	0.416	0.3233	2.7362	0.02161	0.077	-3.59	-0.6842	none
VAC14	0.549	0.5483	2.7361	0.02161	0.077	-3.59	-0.622	none
SNX21	0.626	0.4686	2.7353	0.02164	0.077	-3.59	-1.3373	none
MFGE8	0.377	0.2675	2.7351	0.02165	0.077	-3.6	-1.0303	none
ALDOA	-0.318	-0.2442	-2.735	0.02165	0.077	-3.6	1.40942	none
SLITRK5	0.248	0.1731	2.7349	0.02166	0.077	-3.6	-1.412	none
ZNF211	0.355	0.3107	2.734	0.02169	0.077	-3.6	-0.1138	none
NEIL3	0.237	0.1382	2.7339	0.0217	0.077	-3.6	0.22623	none
LARGE1	0.36	0.3332	2.7337	0.0217	0.077	-3.6	-0.8839	none
MRPL21	-0.409	-0.3981	-2.734	0.02171	0.077	-3.6	1.9044	none
ENAH	0.35	0.2673	2.7321	0.02176	0.078	-3.6	-1.1786	none
TBX3	-0.205	-0.1477	-2.732	0.02178	0.078	-3.6	1.19534	none
ATPAF1	0.381	0.3315	2.7311	0.0218	0.078	-3.6	0.78617	none
HPD	0.261	0.2615	2.7307	0.02181	0.078	-3.6	0.96786	none
UBR3	0.583	0.5781	2.7306	0.02182	0.078	-3.6	-0.0875	none
SPG11	0.575	0.4753	2.73	0.02184	0.078	-3.6	-0.9396	none
FDXACB1	0.26	0.1058	2.7298	0.02185	0.078	-3.6	-0.8165	none
JAML	-0.259	-0.244	-2.729	0.02186	0.078	-3.6	0.52625	none
POLR1A	0.735	0.8074	2.7287	0.02189	0.078	-3.61	-0.2639	none
RAB12	0.725	0.5761	2.7286	0.02189	0.078	-3.61	-1.3973	none
XPNPEP3	0.4	0.3112	2.7282	0.02191	0.078	-3.61	-1.4104	none
CEP68	0.478	0.3903	2.7276	0.02193	0.078	-3.61	-0.6111	none
KLC2	0.535	0.5208	2.7273	0.02194	0.078	-3.61	0.2489	none
ZNF548	0.55	0.3942	2.7273	0.02194	0.078	-3.61	-0.3164	none
SOS1	0.763	0.6975	2.7268	0.02196	0.078	-3.61	-0.4675	none
SLC7A11	0.282	0.2112	2.7265	0.02197	0.078	-3.61	-0.845	none
EFCAB5	0.89	0.6615	2.7252	0.02202	0.078	-3.61	-0.6518	none

ERH	-0.396	-0.3902	-2.725	0.02203	0.078	-3.61	1.63414	none
DGAT1	-0.491	-0.3606	-2.724	0.02206	0.078	-3.61	1.14148	none
AKR1B15	0.283	0.2695	2.7238	0.02207	0.078	-3.61	-0.6633	none
SLC44A5	0.383	0.3122	2.7234	0.02208	0.078	-3.61	-1.2235	none
PFDN1	-0.214	-0.2295	-2.723	0.02208	0.078	-3.61	1.72373	none
PLA2G4E	0.2	0.1528	2.7231	0.0221	0.078	-3.62	-0.9906	none
ZWINT	-0.208	-0.159	-2.723	0.02211	0.078	-3.62	1.69709	none
TMC7	0.576	0.4124	2.7216	0.02215	0.079	-3.62	-1.2738	none
RAC2	-0.29	-0.2401	-2.721	0.02217	0.079	-3.62	2.09859	AA-related
LRPPRC	0.658	0.6148	2.7203	0.0222	0.079	-3.62	-0.4419	none
LILRA5	0.372	0.265	2.7201	0.02221	0.079	-3.62	-0.8625	none
PKN1	0.435	0.37	2.72	0.02221	0.079	-3.62	-1.0364	none
TBX1	0.526	0.418	2.7195	0.02223	0.079	-3.62	-0.0757	none
F2RL2	0.455	0.3153	2.7183	0.02228	0.079	-3.62	-0.8601	none
LCLAT1	0.332	0.2919	2.7178	0.02229	0.079	-3.62	-0.8108	none
SLF2	0.693	0.6516	2.7175	0.02231	0.079	-3.62	-0.745	none
BIRC6	0.922	0.8892	2.7165	0.02234	0.079	-3.63	-0.9853	none
ABCA7	0.388	0.3991	2.7165	0.02235	0.079	-3.63	-0.1362	none
TMEM249	0.207	0.1559	2.7164	0.02235	0.079	-3.63	-1.0549	none
NME9	0.369	0.3218	2.7159	0.02237	0.079	-3.63	-0.7001	none
RHPN1	0.347	0.3047	2.7154	0.02238	0.079	-3.63	-0.3431	none
BST2	-0.396	-0.365	-2.715	0.02239	0.079	-3.63	2.17598	AA-related
IGSF1	0.298	0.2048	2.7145	0.02242	0.079	-3.63	-0.6851	none
KRT15	0.37	0.2345	2.7144	0.02242	0.079	-3.63	-0.7825	none
SEC24C	0.258	0.2649	2.7126	0.02249	0.079	-3.63	0.01807	none
RAE1	-0.214	-0.199	-2.712	0.0225	0.079	-3.63	2.26098	AA-related
FTL	-0.428	-0.4018	-2.712	0.0225	0.079	-3.63	2.14515	AA-related
NAA25	0.4	0.3178	2.7115	0.02253	0.08	-3.63	-0.8311	none
PAN3	0.467	0.3932	2.7115	0.02253	0.08	-3.63	-1.2385	none
ZSCAN20	0.519	0.4232	2.7114	0.02254	0.08	-3.63	-1.3717	none
CLCN5	0.325	0.1886	2.7109	0.02256	0.08	-3.64	-1.3174	none
TTLL6	0.448	0.378	2.7103	0.02258	0.08	-3.64	-0.8885	none
RERG	0.572	0.5139	2.7101	0.02259	0.08	-3.64	-0.7309	none
SEMA6A	0.643	0.4847	2.7098	0.0226	0.08	-3.64	-0.957	none
TLK2	0.571	0.4703	2.7095	0.02261	0.08	-3.64	-0.8266	none
BAP1	0.555	0.5746	2.7091	0.02262	0.08	-3.64	-0.8897	none
CHD7	0.486	0.4598	2.7089	0.02263	0.08	-3.64	0.66789	none
ONECUT3	0.298	0.2048	2.7087	0.02264	0.08	-3.64	-1.2614	none
DHX34	0.344	0.3583	2.7068	0.02271	0.08	-3.64	-0.1912	none
CTC1	0.471	0.4873	2.7067	0.02272	0.08	-3.64	-0.8082	none

OAS3	0.588	0.5577	2.7067	0.02272	0.08	-3.64	-1.1325	none
GZMB	-0.396	-0.1616	-2.707	0.02272	0.08	-3.64	1.58142	none
RPE	0.45	0.2543	2.7063	0.02273	0.08	-3.64	-0.9428	none
SLC39A5	0.484	0.3167	2.7058	0.02275	0.08	-3.64	-1.0564	none
ZNF341	0.431	0.3559	2.7057	0.02276	0.08	-3.64	-1.0447	none
WNT7B	0.375	0.2502	2.7056	0.02276	0.08	-3.64	-0.4776	none
SNRNP25	-0.273	-0.2464	-2.705	0.02278	0.08	-3.64	1.84231	none
COQ10A	0.325	0.2837	2.7044	0.02281	0.08	-3.65	-0.557	none
MR1	0.217	0.1095	2.7039	0.02282	0.08	-3.65	-0.4083	none
VPS54	0.456	0.4087	2.7035	0.02284	0.08	-3.65	-0.9037	none
DECR1	-0.282	-0.3183	-2.703	0.02284	0.08	-3.65	1.66751	none
PGM2L1	0.29	0.2655	2.7032	0.02285	0.08	-3.65	-1.1789	none
TMEM50B	0.487	0.3045	2.703	0.02286	0.08	-3.65	-0.3044	none
RABEP2	0.426	0.4047	2.7028	0.02287	0.08	-3.65	-1.174	none
LMNA	0.519	0.4774	2.7028	0.02287	0.08	-3.65	-1.0998	none
ZNF446	-0.337	-0.2483	-2.703	0.02287	0.08	-3.65	1.91656	none
INTS3	0.829	0.801	2.7026	0.02287	0.08	-3.65	-0.6095	none
DIAPH3	0.687	0.6087	2.7019	0.0229	0.08	-3.65	-0.9112	none
DNAJC25-c	-0.41	-0.3366	-2.701	0.02295	0.08	-3.65	2.03187	none
SLC33A1	0.342	0.1517	2.7007	0.02295	0.08	-3.65	-0.2823	none
AHR	0.693	0.6743	2.7007	0.02295	0.08	-3.65	-0.1453	none
RCAN1	0.352	0.2705	2.6999	0.02298	0.081	-3.65	-0.7092	none
SEZ6L2	0.27	0.1787	2.6998	0.02298	0.081	-3.65	0.00791	none
MMAB	0.386	0.317	2.6996	0.02299	0.081	-3.65	-1.2237	none
CNGB1	0.449	0.3497	2.6994	0.023	0.081	-3.65	-0.4339	none
ZNF625	0.414	0.3289	2.6989	0.02302	0.081	-3.65	-1.3265	none
SFN	0.315	0.2594	2.6985	0.02303	0.081	-3.66	-0.7737	none
CYP4V2	0.625	0.4329	2.6984	0.02304	0.081	-3.66	-0.9729	none
MBD3	0.416	0.414	2.6982	0.02305	0.081	-3.66	-0.9792	none
TMEM154	0.589	0.4514	2.6976	0.02307	0.081	-3.66	-0.2705	none
ABTB2	0.344	0.4191	2.6974	0.02308	0.081	-3.66	0.30327	none
FAM3B	0.315	0.2268	2.6974	0.02308	0.081	-3.66	-0.7184	none
GLG1	0.584	0.5882	2.6973	0.02308	0.081	-3.66	0.2075	none
LARP4B	0.719	0.7405	2.6967	0.0231	0.081	-3.66	-1.1743	none
WDFY2	0.615	0.5331	2.6964	0.02311	0.081	-3.66	-0.972	none
HSPBP1	-0.246	-0.1799	-2.696	0.02312	0.081	-3.66	1.94518	none
TMC6	0.351	0.2523	2.6957	0.02314	0.081	-3.66	-1.2402	none
DHDH	0.504	0.3246	2.6953	0.02316	0.081	-3.66	0.23175	none
C10ORF53	0.314	0.25	2.6949	0.02318	0.081	-3.66	-0.567	none
ZFP41	0.606	0.5635	2.6945	0.02319	0.081	-3.66	-0.923	none

KRTAP9-6	0.278	0.186	2.6939	0.02321	0.081	-3.66	-0.7245	none
ERFE	0.401	0.324	2.6939	0.02322	0.081	-3.66	-0.5975	none
ZNF132	0.354	0.3479	2.6924	0.02327	0.081	-3.67	-0.4981	none
HINT1	-0.489	-0.4991	-2.692	0.02327	0.081	-3.67	1.75881	none
ADAP2	0.452	0.2946	2.692	0.02329	0.081	-3.67	-1.0958	none
MED8	-0.249	-0.2333	-2.691	0.02331	0.081	-3.67	1.20927	none
TBC1D4	0.365	0.3117	2.6912	0.02332	0.081	-3.67	0.15151	none
COMMD10	0.352	0.1945	2.691	0.02333	0.081	-3.67	-0.1192	none
ALG11	0.397	0.3344	2.6904	0.02335	0.081	-3.67	-1.061	none
SVIP	-0.53	-0.4604	-2.69	0.02335	0.081	-3.67	0.82021	none
ISCA1	0.328	0.1874	2.6904	0.02335	0.081	-3.67	-0.4636	none
INTS1	0.615	0.6773	2.6898	0.02337	0.081	-3.67	-0.9613	none
OAZ1	-0.359	-0.2918	-2.689	0.02339	0.081	-3.67	1.76376	none
CDK9	0.508	0.4403	2.6894	0.02339	0.081	-3.67	-0.2796	none
CEP350	0.752	0.824	2.6892	0.0234	0.081	-3.67	-0.6724	none
CCDC142	0.368	0.2557	2.6886	0.02342	0.082	-3.67	-1.2888	none
ANKUB1	0.345	0.2648	2.688	0.02345	0.082	-3.67	-1.1275	none
OR51D1	0.302	0.212	2.688	0.02345	0.082	-3.67	-0.7724	none
CYB561D1	0.339	0.2743	2.6866	0.0235	0.082	-3.67	-0.567	none
PSMB7	-0.288	-0.2685	-2.686	0.02351	0.082	-3.68	2.00672	none
PCDHA10	0.19	0.1515	2.6862	0.02352	0.082	-3.68	-1.0626	none
LRRC58	0.301	0.2313	2.6859	0.02353	0.082	-3.68	-0.0869	none
SLC27A1	0.442	0.3466	2.6857	0.02354	0.082	-3.68	-1.3033	none
ACIN1	0.875	0.929	2.6856	0.02354	0.082	-3.68	-0.9956	none
OR6Y1	0.254	0.1835	2.685	0.02357	0.082	-3.68	-0.8117	none
ICAM1	0.694	0.7191	2.6849	0.02357	0.082	-3.68	-0.78	none
CNOT4	0.637	0.5597	2.6849	0.02357	0.082	-3.68	-1.3225	none
NPIP8	0.425	0.3202	2.6847	0.02358	0.082	-3.68	-1.3155	none
SPEF2	0.416	0.3023	2.6841	0.0236	0.082	-3.68	-0.6182	none
WWP1	0.423	0.425	2.684	0.02361	0.082	-3.68	-0.8233	none
ZNF407	0.518	0.4942	2.684	0.02361	0.082	-3.68	-1.1541	none
GOLGA8B	0.526	0.537	2.684	0.02361	0.082	-3.68	-0.7019	none
MED24	0.403	0.408	2.6837	0.02362	0.082	-3.68	-1.0188	none
MRPL16	-0.211	-0.158	-2.683	0.02363	0.082	-3.68	0.55318	none
COX20	-0.383	-0.3992	-2.683	0.02364	0.082	-3.68	1.03035	none
KLHL9	0.265	0.1703	2.6828	0.02365	0.082	-3.68	-0.609	none
PCDHGB6	0.302	0.224	2.6828	0.02365	0.082	-3.68	-1.4702	none
ATAD5	0.607	0.6384	2.6824	0.02367	0.082	-3.68	-0.8426	none
SPATA17	0.684	0.7027	2.6822	0.02368	0.082	-3.68	-1.0428	none
PSMD13	-0.3	-0.2786	-2.682	0.02369	0.082	-3.68	2.12508	AA-related

IPP	0.402	0.3862	2.6813	0.02371	0.082	-3.68	-0.1792	none
SHKBP1	0.313	0.2353	2.6812	0.02372	0.082	-3.68	-0.106	none
SEC24B	0.472	0.4417	2.6809	0.02373	0.082	-3.68	0.09066	none
DNAJB11	-0.231	-0.182	-2.679	0.02379	0.082	-3.69	2.29798	AA-related
DGKE	0.288	0.2431	2.6794	0.02379	0.082	-3.69	-0.0973	none
ANKRD13E	0.317	0.2325	2.6785	0.02383	0.082	-3.69	-1.2472	none
USP19	0.561	0.5755	2.6784	0.02383	0.082	-3.69	-0.4391	none
SHISA2	0.211	0.1791	2.6779	0.02385	0.082	-3.69	0.26686	none
PLEKHG2	0.764	0.6828	2.6777	0.02386	0.082	-3.69	-0.6903	none
SNTN	0.254	0.1889	2.6768	0.02389	0.083	-3.69	-0.6998	none
RECQL5	0.577	0.5765	2.6764	0.02391	0.083	-3.69	-0.8051	none
SEC61G	-0.595	-0.594	-2.676	0.02391	0.083	-3.69	2.04981	none
SLC8A1	-0.298	-0.3009	-2.676	0.02392	0.083	-3.69	0.65398	none
PFN1	-0.318	-0.2354	-2.675	0.02395	0.083	-3.69	1.47672	none
WDR48	0.421	0.3441	2.6749	0.02397	0.083	-3.69	-0.1983	none
IP6K2	0.302	0.2702	2.6746	0.02399	0.083	-3.69	-0.3995	none
MFSD6	0.608	0.5334	2.6744	0.02399	0.083	-3.69	-0.7463	none
PSMA7	-0.319	-0.2692	-2.673	0.02403	0.083	-3.7	1.58573	none
UBXN11	0.407	0.3681	2.6728	0.02406	0.083	-3.7	-0.4001	none
DYNLL1	-0.431	-0.4478	-2.673	0.02407	0.083	-3.7	1.3613	none
KCTD20	0.379	0.3094	2.6724	0.02407	0.083	-3.7	-0.9287	none
HMGB1	-0.204	-0.1478	-2.672	0.02408	0.083	-3.7	1.92993	none
ACCS	0.46	0.2578	2.6719	0.02409	0.083	-3.7	-0.1548	none
VPS45	0.454	0.3688	2.6715	0.02411	0.083	-3.7	-1.3203	none
GP1BB	0.364	0.2857	2.6711	0.02412	0.083	-3.7	-0.5452	none
MROH1	0.445	0.3546	2.6706	0.02415	0.083	-3.7	-0.9577	none
NEK1	0.476	0.4532	2.6705	0.02415	0.083	-3.7	-0.391	none
SHQ1	0.313	0.221	2.6702	0.02416	0.083	-3.7	-1.4295	none
RBM20	0.489	0.3299	2.6697	0.02418	0.083	-3.7	-0.887	none
TMED8	0.302	0.2698	2.6697	0.02418	0.083	-3.7	-1.3718	none
RAB14	-0.227	-0.1642	-2.669	0.02421	0.083	-3.7	1.17695	none
ZNF652	0.357	0.2874	2.6688	0.02422	0.083	-3.7	-1.3768	none
RP2	0.321	0.1208	2.6686	0.02423	0.083	-3.7	-0.7402	none
NAAA	0.394	0.263	2.6683	0.02424	0.083	-3.7	-0.6312	none
TMC5	0.26	0.2164	2.6682	0.02425	0.083	-3.71	-1.0834	none
PXN	0.342	0.2957	2.6677	0.02427	0.083	-3.71	-0.2924	none
PPP1R21	0.453	0.4162	2.6673	0.02428	0.083	-3.71	0.45762	none
CFAP161	0.429	0.3607	2.6673	0.02428	0.083	-3.71	0.81303	none
ZNF317	0.52	0.5048	2.6672	0.02428	0.083	-3.71	-0.5388	none
PTPN4	0.629	0.529	2.6664	0.02432	0.084	-3.71	-0.8271	none

PIGT	0.258	0.1825	2.6657	0.02435	0.084	-3.71	-0.7258	none
ARFGAP3	0.36	0.2556	2.6656	0.02435	0.084	-3.71	-0.4728	none
SYT14	0.247	0.1622	2.6642	0.02441	0.084	-3.71	-1.1386	none
TES	0.335	0.2395	2.6636	0.02444	0.084	-3.71	-1.4012	none
POLR2G	-0.404	-0.4015	-2.663	0.02444	0.084	-3.71	1.92958	none
PITPNA	-0.427	-0.2695	-2.663	0.02445	0.084	-3.71	0.25511	none
SNRPF	-0.438	-0.4174	-2.663	0.02446	0.084	-3.71	1.59105	none
RBM14-RE	0.435	0.5175	2.6621	0.02449	0.084	-3.72	-0.5692	none
RARS	0.266	0.1814	2.6621	0.0245	0.084	-3.72	-0.636	none
RETSAT	0.239	0.1826	2.6614	0.02452	0.084	-3.72	-0.5627	none
PSMB2	-0.285	-0.252	-2.661	0.02455	0.084	-3.72	2.52701	AA-related
PSMA5	-0.459	-0.4569	-2.661	0.02456	0.084	-3.72	1.97969	none
MT-CO3	-0.376	-0.3512	-2.661	0.02456	0.084	-3.72	1.17693	none
OR7A5	0.184	0.1437	2.6605	0.02456	0.084	-3.72	-0.9019	none
TLCD1	0.728	0.5135	2.6603	0.02457	0.084	-3.72	-0.9137	none
GOLGA8A	0.506	0.5373	2.6594	0.02461	0.084	-3.72	-0.7318	none
IL21R	0.248	0.2421	2.6589	0.02463	0.084	-3.72	0.66404	none
ARPC4	-0.445	-0.4039	-2.659	0.02463	0.084	-3.72	0.98394	none
BAZ1A	0.864	0.8656	2.6587	0.02464	0.084	-3.72	-0.9068	none
RBM39	0.337	0.3157	2.6586	0.02464	0.084	-3.72	-1.3108	none
GABARAP	-0.479	-0.4945	-2.658	0.02467	0.084	-3.72	1.8725	none
SCNN1G	0.192	0.1382	2.6579	0.02467	0.084	-3.72	0.10611	none
HIST1H2A	0.442	0.3729	2.6574	0.02469	0.084	-3.72	-0.4018	none
FRYL	0.752	0.7334	2.6573	0.02469	0.084	-3.72	-0.8286	none
GSKIP	-0.39	-0.4382	-2.657	0.02473	0.085	-3.72	1.20558	none
CAST	1.182	1.182	2.6562	0.02474	0.085	-3.72	-0.6923	none
TMEM167	0.253	0.1373	2.6555	0.02477	0.085	-3.73	-0.8686	none
SAAL1	-0.304	-0.2602	-2.655	0.02478	0.085	-3.73	1.93546	none
GORAB	0.514	0.4467	2.6531	0.02487	0.085	-3.73	-0.9718	none
PGGHG	0.322	0.2914	2.6524	0.0249	0.085	-3.73	0.02265	none
POMP	-0.422	-0.4165	-2.652	0.0249	0.085	-3.73	1.27617	none
OGDH	0.427	0.4041	2.6523	0.02491	0.085	-3.73	-0.676	none
ATXN7	0.528	0.533	2.6518	0.02493	0.085	-3.73	-1.1435	none
APP	0.485	0.4408	2.6517	0.02493	0.085	-3.73	-0.8697	none
VDAC3	-0.348	-0.3562	-2.651	0.02495	0.085	-3.73	1.82504	none
NRIP1	0.992	0.8905	2.6511	0.02496	0.085	-3.73	-0.9954	none
GALNT5	0.213	0.1452	2.651	0.02496	0.085	-3.73	-1.3461	none
DDX56	-0.318	-0.2169	-2.65	0.025	0.085	-3.73	2.2244	AA-related
SART3	0.67	0.6898	2.6492	0.02504	0.085	-3.74	-0.3913	none
8-Sep	0.313	0.2877	2.6481	0.02508	0.085	-3.74	-0.5467	none

SAP18	-0.322	-0.3184	-2.648	0.02509	0.085	-3.74	1.4247	none
AURKA	0.255	0.1696	2.6478	0.0251	0.085	-3.74	-0.2062	none
SUSD5	0.23	0.1653	2.6476	0.0251	0.086	-3.74	-0.9378	none
KIF1B	0.654	0.6172	2.6475	0.02511	0.086	-3.74	-0.9648	none
TYW1	0.449	0.4225	2.6467	0.02514	0.086	-3.74	-0.8826	none
CASS4	0.27	0.1977	2.6466	0.02515	0.086	-3.74	-1.3788	none
POC1A	-0.38	-0.3314	-2.646	0.02518	0.086	-3.74	1.70372	none
CTBP2	0.497	0.4844	2.6457	0.02518	0.086	-3.74	-0.7224	none
BDP1	0.573	0.5167	2.6454	0.0252	0.086	-3.74	-0.8914	none
NADK	0.348	0.3061	2.6448	0.02522	0.086	-3.74	-0.1075	none
ZCCHC18	0.659	0.5212	2.6446	0.02523	0.086	-3.74	-0.6181	none
EPS8L1	-0.532	-0.4669	-2.644	0.02525	0.086	-3.74	1.07139	none
CRY2	0.369	0.3194	2.6431	0.0253	0.086	-3.75	-1.1535	none
TAS1R3	0.345	0.2376	2.6428	0.02531	0.086	-3.75	-0.7149	none
GPBP1L1	0.436	0.3397	2.6424	0.02533	0.086	-3.75	-1.1853	none
ADIRF	0.478	0.4315	2.6416	0.02536	0.086	-3.75	0.9918	none
ETF1	-0.305	-0.2355	-2.642	0.02536	0.086	-3.75	2.5045	AA-related
ZNF541	-0.277	-0.2325	-2.641	0.02537	0.086	-3.75	1.01319	none
ACAD11	0.35	0.2806	2.641	0.02538	0.086	-3.75	-0.1403	none
GTPBP8	0.23	0.1269	2.641	0.02539	0.086	-3.75	-0.4221	none
AZU1	0.327	0.2106	2.6405	0.02541	0.086	-3.75	-1.2621	none
KDM5A	0.725	0.7182	2.6396	0.02545	0.086	-3.75	-0.5021	none
PLGLB1	0.718	0.596	2.6392	0.02546	0.086	-3.75	-1.2699	none
SLC12A8	0.449	0.3148	2.6392	0.02546	0.086	-3.75	-1.1126	none
ITPK1	0.353	0.307	2.6391	0.02547	0.086	-3.75	-0.4452	none
HS2ST1	-0.367	-0.2562	-2.638	0.0255	0.086	-3.75	0.48569	none
CMTR1	0.327	0.276	2.6383	0.0255	0.086	-3.75	-1.21	none
SPOCD1	0.454	0.3326	2.6382	0.02551	0.086	-3.75	-1.2345	none
TNIP3	0.462	0.375	2.638	0.02551	0.086	-3.75	-1.349	none
CSF2	-0.385	-0.1884	-2.637	0.02554	0.087	-3.76	0.80249	none
HIP1	0.658	0.667	2.6367	0.02557	0.087	-3.76	-1.1298	none
LPAR2	0.212	0.1394	2.6362	0.02559	0.087	-3.76	-0.8906	none
SPATA33	0.463	0.4229	2.6358	0.02561	0.087	-3.76	-0.4293	none
ZNF66	0.578	0.3999	2.6353	0.02563	0.087	-3.76	0.00362	none
CACYBP	-0.199	-0.143	-2.634	0.02567	0.087	-3.76	1.02115	none
APH1B	0.67	0.4307	2.6342	0.02568	0.087	-3.76	-0.7238	none
METRNL	0.425	0.3833	2.6341	0.02569	0.087	-3.76	1.13357	none
SYNGAP1	1.167	1.231	2.6338	0.0257	0.087	-3.76	0.44628	none
CHCHD6	0.362	0.2921	2.6336	0.0257	0.087	-3.76	-0.1257	none
TGOLN2	0.529	0.5451	2.6335	0.02571	0.087	-3.76	-0.3682	none



TEX13D	0.39	0.2458	2.6335	0.02571	0.087	-3.76	-0.8896	none
TRAPPC3L	0.252	0.1998	2.6327	0.02574	0.087	-3.76	-1.1033	none
GSTO1	-0.549	-0.5543	-2.632	0.02576	0.087	-3.76	1.91211	none
C1D	-0.498	-0.5441	-2.632	0.02576	0.087	-3.76	1.82326	none
DISP1	-0.297	-0.1714	-2.631	0.02581	0.087	-3.77	0.96348	none
FAM81A	-0.378	-0.2476	-2.631	0.02583	0.087	-3.77	0.32057	none
COMT	-0.286	-0.2247	-2.631	0.02583	0.087	-3.77	2.02636	none
ARVCF	0.455	0.3385	2.6306	0.02584	0.087	-3.77	0.07411	none
TVP23A	0.489	0.3356	2.6305	0.02584	0.087	-3.77	-1.2985	none
EXOC1	0.394	0.3194	2.6296	0.02588	0.087	-3.77	-0.1551	none
TAF4B	0.503	0.5282	2.629	0.02591	0.087	-3.77	0.88134	none
GFAP	0.394	0.2385	2.6289	0.02591	0.087	-3.77	-0.3845	none
EIF2S2	-0.27	-0.1814	-2.628	0.02594	0.087	-3.77	2.23469	AA-related
SMNDC1	-0.349	-0.3577	-2.628	0.02595	0.087	-3.77	0.53062	none
LEO1	0.841	0.8036	2.627	0.02599	0.088	-3.77	-1.0383	none
CCDC144A	0.381	0.2665	2.6264	0.02602	0.088	-3.77	-1.3876	none
PSMD14	-0.295	-0.2865	-2.626	0.02603	0.088	-3.77	2.02982	none
WDR27	0.44	0.3467	2.6252	0.02607	0.088	-3.78	0.15485	none
SPCS1	-0.432	-0.4439	-2.624	0.02612	0.088	-3.78	2.16556	AA-related
DDX55	0.44	0.4429	2.6239	0.02613	0.088	-3.78	-1.1155	none
NHLRC1	0.239	0.173	2.6232	0.02616	0.088	-3.78	-0.7475	none
RPL24	-0.476	-0.4744	-2.623	0.02616	0.088	-3.78	1.42408	none
OGFOD1	0.341	0.297	2.6232	0.02616	0.088	-3.78	-0.8498	none
STT3B	0.389	0.2456	2.6231	0.02617	0.088	-3.78	-1.1198	none
CC2D1B	0.559	0.5923	2.623	0.02617	0.088	-3.78	-0.2659	none
MED4	0.308	0.2377	2.6229	0.02617	0.088	-3.78	-1.0212	none
DLG1	0.662	0.5659	2.6228	0.02618	0.088	-3.78	-0.861	none
HUNK	0.327	0.2686	2.6225	0.02619	0.088	-3.78	-0.3874	none
TOMM22	-0.41	-0.4167	-2.623	0.02619	0.088	-3.78	2.32968	AA-related
DUT	-0.285	-0.2608	-2.621	0.02626	0.088	-3.78	2.00488	none
COX7B2	0.388	0.3418	2.6203	0.02629	0.088	-3.78	1.3191	none
MYH15	0.255	0.18	2.6198	0.02631	0.088	-3.78	-0.9682	none
LMAN1	-0.324	-0.2386	-2.62	0.02632	0.088	-3.78	2.19224	AA-related
MGA	0.809	0.7921	2.6196	0.02632	0.088	-3.78	-1.0147	none
GMFG	-0.361	-0.3693	-2.62	0.02632	0.088	-3.78	1.35066	none
RBM5	0.456	0.4922	2.6194	0.02633	0.088	-3.79	-0.7473	none
ADCK1	0.462	0.3516	2.6191	0.02634	0.088	-3.79	-0.3279	none
DOCK8	0.767	0.7231	2.6191	0.02635	0.088	-3.79	-0.8905	none
PRKD3	0.534	0.3864	2.6185	0.02637	0.088	-3.79	-1.2191	none
TMEM255	-0.202	-0.1148	-2.618	0.0264	0.089	-3.79	-0.0608	none

KCNQ2	-0.909	-0.6884	-2.617	0.02642	0.089	-3.79	0.98172	none
FEZ2	0.38	0.2568	2.6172	0.02643	0.089	-3.79	-1.1483	none
FNTB	0.279	0.2555	2.6168	0.02645	0.089	-3.79	-1.3214	none
C11ORF54	0.373	0.1812	2.6163	0.02647	0.089	-3.79	-1.0881	none
OCRL	0.254	0.2111	2.6163	0.02647	0.089	-3.79	-0.5563	none
CSMD2	0.256	0.1556	2.6153	0.02651	0.089	-3.79	-1.3352	none
RFC1	0.844	0.8897	2.6153	0.02651	0.089	-3.79	-0.4589	none
CSRNP1	-0.385	-0.264	-2.615	0.02653	0.089	-3.79	1.80596	none
DLG3	0.508	0.4206	2.6148	0.02653	0.089	-3.79	-0.9517	none
MMADHC	-0.43	-0.444	-2.615	0.02655	0.089	-3.79	1.55083	none
PLA2R1	0.22	0.1685	2.6141	0.02657	0.089	-3.79	-1.459	none
IL11	0.323	0.2379	2.6136	0.02659	0.089	-3.79	-1.0666	none
VNN2	0.261	0.0975	2.6134	0.0266	0.089	-3.79	0.62504	none
PHOSPHO:	0.463	0.3059	2.6127	0.02663	0.089	-3.8	-0.6993	none
TUBGCP2	0.417	0.3861	2.6124	0.02664	0.089	-3.8	-1.1907	none
PRAM1	0.533	0.3536	2.6113	0.02669	0.089	-3.8	-1.4356	none
LYPLAL1	-0.501	-0.4694	-2.611	0.0267	0.089	-3.8	1.72	none
SNRPB	-0.37	-0.3052	-2.611	0.02672	0.089	-3.8	1.34227	none
CD52	-0.526	-0.5451	-2.611	0.02673	0.089	-3.8	1.84605	none
CHST9	0.188	0.1374	2.6099	0.02675	0.089	-3.8	-1.4566	none
COL6A3	0.567	0.6308	2.6099	0.02675	0.089	-3.8	-0.4917	none
CYP2J2	-0.273	-0.2537	-2.609	0.02679	0.089	-3.8	0.07828	none
MBOAT7	0.24	0.2443	2.609	0.0268	0.089	-3.8	-0.1019	none
XBP1	0.281	0.2019	2.6084	0.02682	0.09	-3.8	-0.3261	none
ARPC5	-0.314	-0.3146	-2.608	0.02683	0.09	-3.8	1.51831	none
MSMO1	0.36	0.2028	2.6083	0.02683	0.09	-3.8	-0.4917	none
ABCB4	-0.485	-0.3952	-2.608	0.02683	0.09	-3.8	1.40564	none
NAA15	0.814	0.7694	2.6078	0.02685	0.09	-3.8	-0.6925	none
ADI1	-0.288	-0.2551	-2.607	0.02688	0.09	-3.81	1.73275	none
NME2	-0.34	-0.3133	-2.607	0.0269	0.09	-3.81	1.94616	none
PRLR	-0.359	-0.2841	-2.606	0.02691	0.09	-3.81	0.4949	none
OR8B8	0.252	0.1732	2.6058	0.02694	0.09	-3.81	-1.4119	none
N4BP2L1	0.498	0.356	2.6057	0.02694	0.09	-3.81	-0.6104	none
HCFC1R1	-0.425	-0.4189	-2.606	0.02695	0.09	-3.81	0.9919	none
EIF5A	-0.319	-0.2356	-2.604	0.02702	0.09	-3.81	1.51271	none
NPW	0.473	0.4166	2.6035	0.02705	0.09	-3.81	-0.9846	none
GJD4	0.262	0.2203	2.6025	0.02709	0.09	-3.81	-1.1586	none
MON1B	0.403	0.3386	2.6021	0.02711	0.09	-3.81	-0.3942	none
SLFN13	0.507	0.4336	2.6016	0.02713	0.09	-3.81	0.07817	none
RAPGEF3	0.265	0.1518	2.6014	0.02715	0.09	-3.81	-0.7387	none

SLCO5A1	0.237	0.2325	2.6013	0.02715	0.09	-3.81	-0.78	none
ARFGEF3	0.288	0.244	2.6012	0.02715	0.09	-3.81	-1.3756	none
GPATCH2L	0.252	0.2437	2.6008	0.02717	0.09	-3.82	-0.8565	none
NOP10	-0.406	-0.3801	-2.599	0.02724	0.091	-3.82	1.56471	none
FAM78B	0.268	0.2534	2.5991	0.02725	0.091	-3.82	-0.4797	none
SORL1	0.602	0.5333	2.5989	0.02726	0.091	-3.82	-0.6972	none
PASK	0.312	0.2313	2.5988	0.02726	0.091	-3.82	-0.6976	none
MTSS1	0.56	0.3971	2.5982	0.02729	0.091	-3.82	-1.0938	none
ENTPD5	0.272	0.1833	2.5981	0.02729	0.091	-3.82	1.2347	none
PPP1R14B	-0.299	-0.2307	-2.597	0.02733	0.091	-3.82	0.01686	none
MAP1LC3C	0.839	0.5451	2.5973	0.02733	0.091	-3.82	-0.6506	none
ZNF646	0.392	0.4479	2.5972	0.02734	0.091	-3.82	-0.3116	none
ATG9A	0.334	0.3416	2.5965	0.02737	0.091	-3.82	0.66317	none
TANC2	0.327	0.3042	2.5964	0.02737	0.091	-3.82	-0.3862	none
BTN2A2	-0.35	-0.2271	-2.596	0.02739	0.091	-3.82	1.96084	none
TMEM253	-0.237	-0.2167	-2.596	0.0274	0.091	-3.82	0.69777	none
HSF4	0.581	0.5372	2.5957	0.02741	0.091	-3.82	-0.3359	none
RBMS3	0.328	0.2465	2.5956	0.02741	0.091	-3.82	-0.8368	none
UGGT1	0.771	0.7509	2.5952	0.02743	0.091	-3.82	-0.5835	none
TK1	-0.457	-0.4011	-2.595	0.02745	0.091	-3.83	2.52957	AA-related
ZNHIT6	0.522	0.4815	2.5946	0.02746	0.091	-3.83	-0.745	none
VAMP8	-0.353	-0.3626	-2.594	0.02747	0.091	-3.83	1.78297	none
TMEM79	0.329	0.3158	2.5943	0.02747	0.091	-3.83	-0.6599	none
CEP63	0.629	0.5976	2.5939	0.02749	0.091	-3.83	-0.8628	none
ADH1C	0.24	0.1684	2.5935	0.02751	0.091	-3.83	-0.6233	none
LIMD1	0.651	0.6036	2.593	0.02753	0.091	-3.83	-0.737	none
FANCE	0.239	0.2506	2.5925	0.02756	0.091	-3.83	-0.5485	none
MAEA	0.275	0.2391	2.5924	0.02756	0.091	-3.83	-0.8045	none
FAM117B	0.442	0.3687	2.592	0.02758	0.091	-3.83	-1.2873	none
SMCHD1	0.798	0.769	2.5918	0.02759	0.091	-3.83	-0.4184	none
TMEM123	0.303	0.2309	2.5916	0.0276	0.091	-3.83	0.8304	none
SMARCC2	0.747	0.729	2.5906	0.02765	0.091	-3.83	-0.8651	none
EDEM3	0.55	0.4666	2.5906	0.02765	0.091	-3.83	-1.0404	none
CLMP	0.286	0.1939	2.5905	0.02765	0.091	-3.83	-1.0681	none
CNTLN	0.42	0.3033	2.5904	0.02765	0.091	-3.83	-1.1751	none
CCDC61	0.307	0.2525	2.59	0.02767	0.091	-3.83	0.82348	none
ADGRA3	0.479	0.5759	2.5899	0.02768	0.091	-3.83	0.45167	none
SDK1	-0.409	-0.3593	-2.59	0.02769	0.091	-3.83	0.09335	none
RAD54L	0.221	0.2027	2.5883	0.02775	0.092	-3.84	-1.153	none
FANCC	0.431	0.3602	2.5879	0.02777	0.092	-3.84	-0.9596	none

DENND3	0.392	0.3846	2.5879	0.02777	0.092	-3.84	-1.0351	none
ATP13A2	0.479	0.439	2.5876	0.02778	0.092	-3.84	-1.1615	none
HHLA3	0.276	0.1925	2.5862	0.02785	0.092	-3.84	-0.2498	none
N4BP2L2	0.382	0.3022	2.5861	0.02785	0.092	-3.84	-0.9324	none
NKX3-1	-0.255	-0.2083	-2.586	0.02786	0.092	-3.84	1.26928	none
XKR5	0.275	0.1856	2.5861	0.02786	0.092	-3.84	-1.4168	none
LAIR1	0.567	0.4238	2.5859	0.02787	0.092	-3.84	-0.8893	none
RPA2	-0.212	-0.1981	-2.584	0.02795	0.092	-3.84	0.64551	none
ATF7IP	0.75	0.7473	2.584	0.02795	0.092	-3.84	-0.5803	none
RPS23	-0.518	-0.5445	-2.584	0.02796	0.092	-3.84	2.03509	none
DARS	-0.229	-0.2237	-2.583	0.02802	0.092	-3.85	1.79486	none
STX16-NPE	0.398	0.3219	2.5822	0.02804	0.092	-3.85	-0.7118	none
UQCRC2	0.326	0.1439	2.5821	0.02804	0.092	-3.85	0.42606	none
MGST2	-0.471	-0.4922	-2.581	0.0281	0.093	-3.85	1.51531	none
TUBG1	0.281	0.227	2.5807	0.02811	0.093	-3.85	-0.8609	none
MYO1E	0.736	0.7519	2.5804	0.02812	0.093	-3.85	-0.4623	none
WDR36	0.376	0.2608	2.5799	0.02815	0.093	-3.85	-0.6975	none
NUDT2	-0.263	-0.2468	-2.579	0.02819	0.093	-3.85	1.33753	none
COL4A3BP	0.506	0.4578	2.5782	0.02823	0.093	-3.85	-0.9199	none
TALDO1	-0.322	-0.2991	-2.578	0.02824	0.093	-3.85	1.85362	none
ZSCAN5B	0.462	0.3674	2.5775	0.02826	0.093	-3.85	-1.2193	none
FSD1	0.406	0.3147	2.5764	0.02831	0.093	-3.86	-0.7302	none
ATP11A	0.739	0.7908	2.5746	0.0284	0.093	-3.86	-0.7709	none
ATP6V1E1	0.297	0.2058	2.5746	0.0284	0.093	-3.86	-1.3266	none
RNASEH2A	0.362	0.2276	2.5744	0.02841	0.093	-3.86	-0.8866	none
MAN1C1	0.476	0.2976	2.5742	0.02842	0.093	-3.86	-0.8992	none
RRAGA	-0.374	-0.3265	-2.574	0.02842	0.093	-3.86	2.42083	AA-related
BOLA3	-0.373	-0.3586	-2.574	0.02843	0.093	-3.86	2.18453	AA-related
SLC7A9	0.423	0.3433	2.5738	0.02844	0.093	-3.86	-1.33	none
HEATR4	0.349	0.2883	2.5735	0.02845	0.093	-3.86	0.6305	none
BCL2A1	-0.443	-0.3999	-2.574	0.02845	0.093	-3.86	1.69986	none
POLR3C	0.319	0.2957	2.5734	0.02846	0.093	-3.86	-0.4211	none
CUL7	0.344	0.3611	2.5733	0.02846	0.093	-3.86	0.24596	none
ASPG	-0.582	-0.4866	-2.573	0.02847	0.093	-3.86	0.8402	none
ARSJ	0.43	0.3693	2.573	0.02848	0.093	-3.86	0.11312	none
RASSF4	0.651	0.5486	2.573	0.02848	0.093	-3.86	0.26532	none
VARS2	0.553	0.4397	2.572	0.02853	0.094	-3.86	-0.645	none
PREX2	0.35	0.2506	2.5714	0.02856	0.094	-3.86	-1.2156	none
ADAD2	0.331	0.2232	2.5708	0.02858	0.094	-3.86	-0.3357	none
PFKFB3	0.502	0.4614	2.5708	0.02859	0.094	-3.86	-0.6704	none

MRPL47	-0.34	-0.3164	-2.571	0.02859	0.094	-3.86	1.71732	none
IKZF1	0.436	0.4338	2.5705	0.0286	0.094	-3.86	-0.5908	none
KIAA1109	0.69	0.6832	2.5705	0.0286	0.094	-3.86	-0.6911	none
LOX	0.419	0.2816	2.5702	0.02861	0.094	-3.87	-1.4124	none
SOD1	-0.385	-0.3988	-2.57	0.02864	0.094	-3.87	1.91346	none
CCDC66	0.504	0.3844	2.5696	0.02864	0.094	-3.87	-0.7255	none
BASP1	0.461	0.4813	2.5689	0.02868	0.094	-3.87	-1.0417	none
VCPKMT	0.494	0.3743	2.5688	0.02868	0.094	-3.87	-1.1097	none
KAT6A	0.773	0.7331	2.5685	0.0287	0.094	-3.87	-0.9785	none
APC2	0.351	0.2805	2.5685	0.0287	0.094	-3.87	-1.5102	none
TNRC6B	0.819	0.8356	2.5685	0.0287	0.094	-3.87	-1.057	none
CRBN	0.317	0.1636	2.5676	0.02874	0.094	-3.87	-0.5772	none
C3AR1	-0.319	-0.3373	-2.567	0.02876	0.094	-3.87	1.52741	none
USP14	0.221	0.171	2.5672	0.02876	0.094	-3.87	0.77523	none
RFX8	-0.398	-0.3706	-2.566	0.0288	0.094	-3.87	1.18852	none
UTP23	-0.297	-0.1926	-2.566	0.02884	0.094	-3.87	0.78682	none
DNAAF5	0.432	0.4239	2.5654	0.02884	0.094	-3.87	0.21846	none
GBP3	0.683	0.6242	2.5647	0.02888	0.094	-3.87	-0.7805	none
ZNF175	0.487	0.4164	2.5644	0.0289	0.094	-3.87	-0.2585	none
PGAM1	-0.286	-0.2167	-2.564	0.0289	0.094	-3.87	1.41125	none
ALDH1L2	-0.269	-0.2771	-2.564	0.02892	0.094	-3.88	0.53609	none
TRIM11	0.253	0.1641	2.5633	0.02895	0.094	-3.88	-0.0608	none
PLEKHG3	0.424	0.3967	2.5628	0.02897	0.095	-3.88	0.01292	none
TXNDC9	-0.327	-0.3546	-2.561	0.02904	0.095	-3.88	2.03911	none
CLDN18	0.352	0.2451	2.5603	0.0291	0.095	-3.88	-1.1509	none
RAB27A	0.339	0.2311	2.5601	0.0291	0.095	-3.88	-0.9039	none
ZNF620	0.526	0.3786	2.5598	0.02912	0.095	-3.88	-1.0712	none
FBF1	0.362	0.4099	2.5594	0.02914	0.095	-3.88	-0.6119	none
HSPA2	0.482	0.4251	2.5589	0.02917	0.095	-3.88	-0.7566	none
DPP4	0.262	0.173	2.5588	0.02917	0.095	-3.88	0.54842	none
MAP2K4	0.413	0.3647	2.5576	0.02923	0.095	-3.89	-0.2098	none
DARS2	0.248	0.1912	2.5572	0.02925	0.095	-3.89	-0.2241	none
SNX1	0.353	0.3766	2.5569	0.02926	0.095	-3.89	-1.1121	none
ROCK1	0.906	0.9122	2.5558	0.02932	0.095	-3.89	-0.7971	none
POMK	0.365	0.2132	2.5557	0.02932	0.095	-3.89	-0.9983	none
GJA10	0.562	0.4335	2.5556	0.02933	0.095	-3.89	-1.0285	none
MOSPD2	0.522	0.4234	2.5555	0.02933	0.095	-3.89	-0.7619	none
TMEM19	0.307	0.1285	2.5555	0.02934	0.095	-3.89	-0.6748	none
POLH	0.464	0.3851	2.5544	0.02939	0.096	-3.89	-0.5582	none
ZNF585B	1.043	0.821	2.5538	0.02942	0.096	-3.89	0.28983	none

DSTN	-0.316	-0.3526	-2.554	0.02943	0.096	-3.89	1.78207	none
PTCHD4	0.23	0.158	2.5532	0.02945	0.096	-3.89	-0.2415	none
C12ORF71	-0.173	-0.1304	-2.553	0.02948	0.096	-3.89	0.91931	none
ELP2	0.375	0.2549	2.5518	0.02952	0.096	-3.9	-0.6293	none
PCSK2	0.234	0.1903	2.5514	0.02954	0.096	-3.9	0.80593	none
TAF9	-0.263	-0.2898	-2.551	0.02954	0.096	-3.9	1.16867	none
PTGES3	-0.327	-0.3299	-2.551	0.02954	0.096	-3.9	1.72286	none
NBEAL1	0.359	0.2889	2.5512	0.02955	0.096	-3.9	-0.5583	none
TIRAP	0.383	0.3136	2.5511	0.02955	0.096	-3.9	-0.3955	none
FBXW11	0.335	0.2353	2.5506	0.02958	0.096	-3.9	0.07508	none
UTP20	0.77	0.7718	2.5503	0.02959	0.096	-3.9	-0.4994	none
ZDHHC24	0.341	0.2057	2.55	0.02961	0.096	-3.9	-0.9816	none
EIF3H	-0.259	-0.2322	-2.55	0.02962	0.096	-3.9	2.15744	AA-related
ANKRD13C	0.375	0.3377	2.5497	0.02962	0.096	-3.9	-1.0911	none
ASMT	0.407	0.3454	2.5497	0.02962	0.096	-3.9	-0.5472	none
PSMB8	-0.495	-0.4832	-2.55	0.02963	0.096	-3.9	1.38747	none
EVA1B	-0.337	-0.2933	-2.549	0.02964	0.096	-3.9	1.58418	none
EP300	0.807	0.824	2.5487	0.02967	0.096	-3.9	-0.7677	none
SNCG	0.372	0.3003	2.5487	0.02967	0.096	-3.9	-0.4396	none
TSPOAP1	-0.54	-0.4332	-2.549	0.02968	0.096	-3.9	1.03788	none
EVL	0.454	0.4372	2.5469	0.02976	0.096	-3.9	-0.6539	none
GTF3C3	0.303	0.1867	2.5468	0.02977	0.096	-3.9	-0.0279	none
NDUFA1	-0.432	-0.4686	-2.546	0.0298	0.096	-3.9	1.3283	none
PFN4	0.341	0.3213	2.5461	0.0298	0.096	-3.9	-0.6041	none
CARMIL2	0.451	0.5282	2.546	0.02981	0.096	-3.9	-0.8129	none
ZNF74	0.382	0.3359	2.5453	0.02984	0.097	-3.91	0.36908	none
IL17RD	0.396	0.2454	2.5453	0.02984	0.097	-3.91	-0.8854	none
C12ORF10	-0.313	-0.2677	-2.545	0.02986	0.097	-3.91	1.76935	none
CD2BP2	-0.389	-0.3013	-2.545	0.02987	0.097	-3.91	2.43993	AA-related
ZDHHC13	0.314	0.1398	2.5433	0.02994	0.097	-3.91	-0.628	none
IRF2BP1	-0.245	-0.1415	-2.543	0.02996	0.097	-3.91	1.95389	none
SUGP2	0.537	0.5365	2.5428	0.02997	0.097	-3.91	-0.5901	none
EXOC5	0.364	0.3099	2.5424	0.02999	0.097	-3.91	0.46717	none
RHEBL1	-0.392	-0.3239	-2.542	0.03	0.097	-3.91	0.83187	none
IPO11	0.449	0.3157	2.542	0.03001	0.097	-3.91	-0.3072	none
SRPX2	0.242	0.154	2.5413	0.03005	0.097	-3.91	0.21387	none
PRR3	0.763	0.5485	2.5409	0.03007	0.097	-3.91	-1.0769	none
PAQR5	0.314	0.2441	2.5403	0.0301	0.097	-3.91	-0.9355	none
FPGT	-0.299	-0.1868	-2.54	0.0301	0.097	-3.91	0.41372	none
VWA3B	0.427	0.3639	2.5399	0.03012	0.097	-3.91	0.00455	none

CIR1	0.818	0.8095	2.5386	0.03018	0.097	-3.92	-1.0195	none
COX10	0.232	0.1803	2.5382	0.0302	0.097	-3.92	-0.8958	none
CREB1	0.425	0.3382	2.5382	0.0302	0.097	-3.92	0.15401	none
URGCP-MI	-0.44	-0.4849	-2.538	0.03021	0.097	-3.92	1.37922	none
CEP72	0.343	0.3694	2.5378	0.03023	0.097	-3.92	-0.7216	none
CHADL	-0.27	-0.1981	-2.537	0.03024	0.097	-3.92	0.05132	none
NCOA1	0.809	0.739	2.5352	0.03036	0.098	-3.92	-0.4944	none
CTSC	-0.319	-0.3112	-2.535	0.03037	0.098	-3.92	2.37256	AA-related
FAM219A	0.509	0.4844	2.5346	0.03039	0.098	-3.92	-0.2664	none
B4GALT4	0.454	0.3077	2.5346	0.03039	0.098	-3.92	0.38038	none
LGALS1	-0.58	-0.547	-2.535	0.03039	0.098	-3.92	2.05338	none
ANKHD1	0.483	0.4635	2.5344	0.0304	0.098	-3.92	-0.6644	none
AP5Z1	0.378	0.2998	2.5343	0.0304	0.098	-3.92	-1.3195	none
WAPL	0.734	0.6979	2.5339	0.03043	0.098	-3.92	-0.4738	none
ANGEL2	0.258	0.1668	2.5337	0.03043	0.098	-3.92	-0.763	none
SMIM11B	0.388	0.2262	2.5336	0.03044	0.098	-3.92	-0.5168	none
TMEM132	0.431	0.3581	2.5331	0.03046	0.098	-3.93	-1.2923	none
ZNF224	0.418	0.3505	2.5327	0.03048	0.098	-3.93	-0.4269	none
PHYH	-0.3	-0.2703	-2.533	0.03049	0.098	-3.93	1.03309	none
KLKB1	0.211	0.1289	2.5324	0.0305	0.098	-3.93	-0.3316	none
FCRL3	0.579	0.4602	2.5311	0.03057	0.098	-3.93	-1.1481	none
PAX6	0.336	0.2811	2.5304	0.03061	0.098	-3.93	-0.1762	none
SHISA7	0.211	0.1599	2.5304	0.03061	0.098	-3.93	-0.894	none
SLC5A10	0.307	0.2381	2.5298	0.03064	0.098	-3.93	-1.0764	none
CD53	-0.347	-0.3942	-2.53	0.03064	0.098	-3.93	1.92477	none
SIAH2	-0.234	-0.2051	-2.529	0.03067	0.098	-3.93	0.19383	none
ASH2L	0.328	0.2505	2.5289	0.03068	0.098	-3.93	-0.0646	none
NEMF	0.612	0.5609	2.5277	0.03075	0.099	-3.93	-1.0898	none
KIF1C	0.711	0.6954	2.5276	0.03075	0.099	-3.93	-0.8976	none
FOXO3	0.457	0.4481	2.5276	0.03075	0.099	-3.93	-0.8089	none
GEMIN2	0.374	0.2016	2.5275	0.03076	0.099	-3.93	-1.0757	none
PRDM14	0.334	0.2334	2.5271	0.03078	0.099	-3.94	-1.4868	none
AC091180	0.903	0.7048	2.5265	0.03081	0.099	-3.94	-1.3961	none
PCDHB9	0.227	0.1717	2.5262	0.03082	0.099	-3.94	-0.8845	none
KDM3B	0.738	0.7224	2.526	0.03083	0.099	-3.94	-0.663	none
PRUNE2	0.299	0.2591	2.5258	0.03084	0.099	-3.94	0.10199	none
C12ORF40	0.275	0.2149	2.5239	0.03095	0.099	-3.94	-1.0417	none
PKP4	0.685	0.7453	2.5236	0.03096	0.099	-3.94	-0.7735	none
MYO6	0.227	0.1665	2.5235	0.03096	0.099	-3.94	0.05325	none
PLP1	0.223	0.2292	2.5231	0.03098	0.099	-3.94	-0.576	none

RIDA	-0.465	-0.3886	-2.523	0.03099	0.099	-3.94	1.15701	none
NGDN	-0.3	-0.2777	-2.523	0.03099	0.099	-3.94	1.15571	none
NPIPA2	0.504	0.3594	2.5226	0.03101	0.099	-3.94	-0.4995	none
MTMR2	0.231	0.1729	2.5223	0.03103	0.099	-3.94	0.15249	none
RNF157	0.391	0.2577	2.5222	0.03103	0.099	-3.94	-1.1836	none
PDZD11	-0.393	-0.4188	-2.522	0.03105	0.099	-3.94	0.94119	none
NDUFB4	-0.339	-0.3305	-2.522	0.03106	0.099	-3.94	2.00568	none
TSPAN3	-0.328	-0.2616	-2.522	0.03107	0.099	-3.94	1.82352	none
LDB1	0.601	0.5357	2.5215	0.03107	0.099	-3.94	-1.1908	none
CDC26	-0.378	-0.3918	-2.521	0.03107	0.099	-3.94	1.35368	none
BTLA	-0.596	-0.5324	-2.521	0.0311	0.099	-3.95	0.71874	none
PSME1	-0.256	-0.2688	-2.521	0.03111	0.099	-3.95	2.31974	AA-related
AP2B1	0.557	0.4669	2.5206	0.03112	0.099	-3.95	-0.6432	none
KLRB1	-0.484	-0.5152	-2.519	0.03118	0.1	-3.95	1.52199	none
GLDN	0.317	0.2585	2.5194	0.03118	0.1	-3.95	-0.9673	none
FUT9	0.198	0.1442	2.519	0.0312	0.1	-3.95	-1.442	none
PAK6	1.04	0.7937	2.5188	0.03121	0.1	-3.95	0.24391	none
FMNL3	0.468	0.5322	2.5187	0.03122	0.1	-3.95	-0.961	none
TANC1	0.194	0.1746	2.5181	0.03125	0.1	-3.95	-1.217	none
PHF1	0.69	0.5395	2.5174	0.03129	0.1	-3.95	-0.6797	none
NPEPPS	0.327	0.288	2.5173	0.03129	0.1	-3.95	-0.0608	none
GTF2H2	0.481	0.3167	2.517	0.0313	0.1	-3.95	-0.7837	none
PRSS23	0.491	0.391	2.5169	0.03131	0.1	-3.95	-0.1313	none
RPA1	0.256	0.1921	2.5166	0.03133	0.1	-3.95	0.07399	none
ITGA6	0.547	0.5243	2.5165	0.03133	0.1	-3.95	0.04528	none
COL10A1	-0.248	-0.1697	-2.516	0.03134	0.1	-3.95	0.4618	none
NOC2L	0.472	0.469	2.5163	0.03134	0.1	-3.95	-0.6849	none
UHRF1BP1	0.491	0.5099	2.5163	0.03134	0.1	-3.95	-0.5757	none
CHCHD1	-0.344	-0.3344	-2.516	0.03135	0.1	-3.95	0.79828	none
RWDD2B	0.388	0.3211	2.5162	0.03135	0.1	-3.95	-0.6472	none
B3GALT5	0.265	0.2074	2.5161	0.03136	0.1	-3.95	-1.0931	none
BCAR3	0.548	0.4001	2.5159	0.03136	0.1	-3.95	-1.3289	none
COX4I1	-0.416	-0.396	-2.516	0.03138	0.1	-3.95	1.82711	none
MBNL1	0.473	0.4179	2.5153	0.0314	0.1	-3.95	-0.3282	none
DNAJC7	0.588	0.5387	2.5152	0.0314	0.1	-3.95	-0.8439	none
WRAP53	-0.255	-0.1728	-2.515	0.03142	0.1	-3.96	1.27829	none
ACSL1	0.346	0.3332	2.5146	0.03143	0.1	-3.96	-0.4801	none
FKBP3	0.242	0.1618	2.5145	0.03144	0.1	-3.96	-0.553	none
RREB1	0.531	0.5788	2.5142	0.03145	0.1	-3.96	-0.6012	none
MED6	0.201	0.0697	2.5141	0.03146	0.1	-3.96	-0.4568	none



BCAP31	-0.319	-0.301	-2.514	0.03146	0.1	-3.96	1.9761	none
ADD2	0.275	0.2034	2.5129	0.03153	0.1	-3.96	-0.3138	none
PDE3B	0.472	0.3782	2.5128	0.03153	0.1	-3.96	0.08766	none
ENKUR	0.216	0.2195	2.5123	0.03156	0.1	-3.96	0.48374	none
SGSH	0.437	0.4395	2.5123	0.03156	0.1	-3.96	-0.5804	none
PBDC1	-0.229	-0.1781	-2.512	0.03159	0.1	-3.96	0.99727	none
MYDGF	-0.241	-0.2088	-2.511	0.03162	0.1	-3.96	2.33201	AA-related
ODF2	0.759	0.7363	2.5099	0.03169	0.101	-3.96	-0.6314	none
HARS2	0.196	0.1454	2.5097	0.0317	0.101	-3.96	-0.7157	none
MAN2B2	0.644	0.5788	2.5096	0.0317	0.101	-3.96	-0.884	none
SRPRB	-0.354	-0.3346	-2.509	0.03172	0.101	-3.96	2.40855	AA-related
AIFM2	0.294	0.2686	2.5086	0.03175	0.101	-3.97	-1.3284	none
PILRB	0.384	0.3878	2.5085	0.03176	0.101	-3.97	-0.4626	none
TMEM25	0.369	0.2668	2.5072	0.03183	0.101	-3.97	-0.3625	none
ANO7	0.424	0.3498	2.5069	0.03184	0.101	-3.97	-0.843	none
COL17A1	0.28	0.2472	2.5068	0.03185	0.101	-3.97	-0.6185	none
CLCN7	0.447	0.3997	2.5067	0.03186	0.101	-3.97	-0.4739	none
ACPP	0.386	0.3638	2.5065	0.03187	0.101	-3.97	-0.9566	none
PCNA	-0.357	-0.3411	-2.506	0.03187	0.101	-3.97	1.73821	none
RPL5	-0.218	-0.2244	-2.506	0.03188	0.101	-3.97	1.42014	none
USP9X	0.645	0.6512	2.5052	0.03194	0.101	-3.97	-0.4441	none
MYCT1	0.343	0.2221	2.5047	0.03196	0.101	-3.97	0.27373	none
FAM193A	0.584	0.6366	2.5041	0.032	0.101	-3.97	-0.3649	none
NUDT3	0.396	0.3579	2.5032	0.03204	0.101	-3.97	-0.8046	none
PTPRF	0.603	0.4892	2.5031	0.03205	0.101	-3.97	-1.1893	none
PCNT	0.554	0.6727	2.5031	0.03205	0.101	-3.97	-0.8062	none
DCUN1D5	-0.328	-0.2886	-2.503	0.03206	0.101	-3.97	1.6774	none
CTSA	0.346	0.3272	2.5028	0.03207	0.101	-3.98	-0.5418	none
ZNF771	0.313	0.1916	2.5027	0.03207	0.101	-3.98	-0.998	none
PRKCH	0.355	0.3334	2.5026	0.03208	0.101	-3.98	0.22653	none
RAB26	0.331	0.2287	2.5024	0.03209	0.101	-3.98	-1.1851	none
ATIC	-0.197	-0.1629	-2.502	0.03213	0.101	-3.98	2.28433	AA-related
BARD1	0.223	0.1175	2.5014	0.03214	0.101	-3.98	0.08563	none
MEIG1	-0.323	-0.3122	-2.501	0.03214	0.101	-3.98	1.7452	none
BRK1	-0.478	-0.5302	-2.501	0.03218	0.102	-3.98	1.82862	none
SMAD5	0.411	0.2502	2.5002	0.03221	0.102	-3.98	-0.6763	none
ZNF451	0.531	0.3837	2.5001	0.03221	0.102	-3.98	-1.05	none
TNIK	0.353	0.2949	2.4996	0.03224	0.102	-3.98	-0.9575	none
MNS1	0.546	0.4271	2.4996	0.03224	0.102	-3.98	-0.9688	none
NLRP1	0.432	0.4443	2.4995	0.03224	0.102	-3.98	-0.8405	none

PCDHB13	0.227	0.1923	2.4988	0.03228	0.102	-3.98	-1.1629	none
NME1	-0.308	-0.2809	-2.498	0.03232	0.102	-3.98	1.59091	none
DNAH5	0.711	0.5695	2.498	0.03232	0.102	-3.98	-0.7344	none
LY86	-0.289	-0.2701	-2.498	0.03233	0.102	-3.98	1.57342	none
PSMB1	-0.377	-0.3621	-2.498	0.03233	0.102	-3.98	1.13806	none
SMURF1	0.365	0.3737	2.4975	0.03235	0.102	-3.98	-0.3891	none
MSTO1	0.348	0.4141	2.4966	0.0324	0.102	-3.99	0.15693	none
PTPA	0.398	0.2978	2.4965	0.03241	0.102	-3.99	-1.1342	none
PARP12	0.28	0.221	2.4965	0.03241	0.102	-3.99	-0.6155	none
PDE10A	0.446	0.3699	2.4965	0.03241	0.102	-3.99	0.44509	none
ERI3	-0.398	-0.3421	-2.496	0.03244	0.102	-3.99	1.01087	none
UBXN6	-0.264	-0.1925	-2.495	0.03247	0.102	-3.99	1.17203	none
QTRT1	0.33	0.2732	2.4953	0.03247	0.102	-3.99	-0.5251	none
NAP1L2	-0.232	-0.1787	-2.495	0.0325	0.102	-3.99	1.61277	none
LPXN	-0.324	-0.3454	-2.495	0.03251	0.102	-3.99	2.00174	none
ACOX2	-0.229	-0.2287	-2.494	0.03252	0.102	-3.99	1.38067	none
PPIL1	-0.37	-0.3579	-2.494	0.03253	0.102	-3.99	2.16067	AA-related
SMG7	0.639	0.6216	2.494	0.03255	0.102	-3.99	-0.909	none
NDOR1	0.319	0.299	2.4939	0.03255	0.102	-3.99	-0.4028	none
ZNF676	0.488	0.3	2.4939	0.03255	0.102	-3.99	-1.0457	none
LRFN1	0.257	0.2335	2.4939	0.03255	0.102	-3.99	-1.0738	none
CST7	-0.267	-0.2465	-2.494	0.03256	0.102	-3.99	0.47687	none
TMEM243	0.372	0.2342	2.4937	0.03256	0.102	-3.99	-0.2659	none
LCOR	0.57	0.4994	2.4935	0.03257	0.102	-3.99	-0.8108	none
ZNF630	0.367	0.3074	2.4935	0.03257	0.102	-3.99	-0.7089	none
TTC28	0.532	0.4133	2.4935	0.03258	0.102	-3.99	-0.8169	none
MED1	0.654	0.6667	2.4934	0.03258	0.102	-3.99	-0.4398	none
ERCC1	0.344	0.2311	2.493	0.0326	0.102	-3.99	-1.2972	none
TRIM14	0.558	0.5433	2.4919	0.03266	0.102	-3.99	0.45807	none
TMEM184	0.288	0.1875	2.4919	0.03266	0.102	-3.99	0.83694	none
ZNF691	0.287	0.203	2.4917	0.03267	0.102	-3.99	-0.4259	none
FAM210A	0.243	0.172	2.4916	0.03268	0.102	-3.99	-0.9435	none
NRSN2	-0.336	-0.2341	-2.491	0.03273	0.103	-3.99	1.61892	none
PSMA4	-0.253	-0.2361	-2.49	0.03279	0.103	-4	2.04472	none
TCF12	0.555	0.5722	2.4891	0.03282	0.103	-4	-0.2823	none
ANGPT4	0.253	0.1869	2.4889	0.03283	0.103	-4	-1.3277	none
MAP2K3	-0.17	-0.0763	-2.489	0.03284	0.103	-4	1.3559	none
NXF1	0.453	0.3908	2.4886	0.03284	0.103	-4	-0.9804	none
RNF31	0.458	0.4021	2.4885	0.03285	0.103	-4	-1.181	none
AP2A1	0.448	0.4269	2.4883	0.03286	0.103	-4	-0.886	none

CKS2	-0.535	-0.5382	-2.488	0.03287	0.103	-4	2.1611	AA-related
SCFD2	0.248	0.1949	2.4878	0.03289	0.103	-4	-1.0215	none
POLL	0.381	0.3313	2.4876	0.0329	0.103	-4	-0.7781	none
NUP214	0.613	0.6512	2.4875	0.03291	0.103	-4	-0.8178	none
PCYT1A	0.229	0.154	2.487	0.03293	0.103	-4	-0.1856	none
KCNK2	0.344	0.2968	2.4863	0.03297	0.103	-4	-0.2439	none
EDRF1	0.517	0.5202	2.4862	0.03298	0.103	-4	-1.1184	none
KCNG1	0.514	0.4225	2.486	0.03299	0.103	-4	-0.442	none
SLC17A7	0.312	0.2424	2.4857	0.03301	0.103	-4	-1.0039	none
N4BP2	0.652	0.6415	2.4855	0.03302	0.103	-4	-0.5654	none
ACOT4	-0.412	-0.345	-2.485	0.03303	0.103	-4	1.63801	none
PHF13	-0.291	-0.2075	-2.485	0.03306	0.103	-4	2.17665	AA-related
MAATS1	0.422	0.2974	2.4845	0.03307	0.103	-4	-0.4928	none
ATF2	0.202	0.1096	2.4844	0.03308	0.103	-4	-0.8348	none
TM4SF20	0.208	0.1234	2.4838	0.03311	0.103	-4.01	-0.9428	none
SGO1	0.442	0.3549	2.4835	0.03313	0.103	-4.01	-1.1255	none
RELA	0.345	0.3203	2.483	0.03316	0.103	-4.01	-1.0645	none
TSC1	0.491	0.4439	2.4828	0.03317	0.103	-4.01	-1.3052	none
USB1	0.277	0.2352	2.4818	0.03322	0.104	-4.01	0.37479	none
PSMB5	-0.344	-0.3248	-2.482	0.03323	0.104	-4.01	1.94743	none
HSFY1	0.481	0.3498	2.4809	0.03327	0.104	-4.01	-0.8321	none
AGBL1	0.194	0.1441	2.4803	0.03331	0.104	-4.01	-1.3755	none
FOSB	0.269	0.2077	2.4803	0.03331	0.104	-4.01	-0.2894	none
TTC25	0.546	0.4357	2.48	0.03333	0.104	-4.01	-0.2875	none
SNTB2	0.42	0.3658	2.4798	0.03334	0.104	-4.01	-1.0633	none
PPP4R3B	0.434	0.4134	2.4796	0.03335	0.104	-4.01	-0.2384	none
ASB6	0.319	0.2734	2.4795	0.03335	0.104	-4.01	-0.6927	none
PLIN3	0.324	0.2546	2.4791	0.03337	0.104	-4.01	-0.9322	none
CDKL1	0.52	0.4083	2.4791	0.03338	0.104	-4.01	-0.9785	none
NCKIPSD	0.477	0.4615	2.4789	0.03339	0.104	-4.01	0.04342	none
RECK	0.364	0.2863	2.4788	0.03339	0.104	-4.01	-1.169	none
DCAF11	0.285	0.2241	2.4778	0.03345	0.104	-4.02	-0.2859	none
UBR1	0.488	0.4222	2.4774	0.03347	0.104	-4.02	-1.1804	none
ERP44	-0.268	-0.2735	-2.477	0.03347	0.104	-4.02	2.07252	none
YARS	0.357	0.3381	2.4772	0.03348	0.104	-4.02	-0.2848	none
SDHB	-0.274	-0.2566	-2.477	0.03352	0.104	-4.02	1.97486	none
PCGF3	0.209	0.144	2.4759	0.03356	0.104	-4.02	-0.6109	none
HLA-DQB2	0.262	0.1916	2.4749	0.03362	0.104	-4.02	-0.2372	none
OSBP2	0.784	0.5418	2.4747	0.03363	0.105	-4.02	-1.0683	none
PLS3	0.299	0.2515	2.4742	0.03365	0.105	-4.02	-0.3266	none

ST3GAL5	0.248	0.1668	2.4735	0.03369	0.105	-4.02	-1.0023	none
SPSB2	-0.21	-0.173	-2.473	0.0337	0.105	-4.02	0.69852	none
B3GAT3	0.399	0.3319	2.4734	0.0337	0.105	-4.02	-1.059	none
RHOT2	0.246	0.2392	2.4733	0.0337	0.105	-4.02	0.08796	none
MRPS35	-0.2	-0.1814	-2.473	0.03372	0.105	-4.02	2.12974	AA-related
FAN1	0.897	0.776	2.4727	0.03374	0.105	-4.02	-0.1456	none
CD3EAP	0.734	0.7858	2.4725	0.03375	0.105	-4.02	-1.0898	none
OSGIN1	0.315	0.2777	2.47	0.03389	0.105	-4.03	-0.0855	none
YY1AP1	0.528	0.5052	2.4696	0.03392	0.105	-4.03	-0.4684	none
CACNB1	0.312	0.3547	2.4694	0.03393	0.105	-4.03	0.30229	none
RALA	-0.29	-0.2445	-2.469	0.03393	0.105	-4.03	2.35644	AA-related
CES3	0.272	0.2197	2.4693	0.03393	0.105	-4.03	-0.4562	none
SERPINA5	0.483	0.3642	2.4691	0.03394	0.105	-4.03	-0.7586	none
AADAT	0.245	0.1937	2.469	0.03395	0.105	-4.03	-0.9956	none
TSPAN17	-0.274	-0.2458	-2.469	0.03397	0.105	-4.03	2.36746	AA-related
SMIM7	0.347	0.1831	2.4685	0.03398	0.105	-4.03	-0.4747	none
DMTF1	0.43	0.3356	2.4683	0.03399	0.105	-4.03	-0.5433	none
PHTF1	0.517	0.3195	2.4682	0.034	0.105	-4.03	-0.8647	none
SCAMP5	0.518	0.3159	2.468	0.03401	0.105	-4.03	-0.7399	none
NDUFB6	-0.461	-0.4699	-2.467	0.03405	0.105	-4.03	1.24363	none
GHRL	0.751	0.7184	2.4671	0.03406	0.105	-4.03	0.2648	none
CHD4	0.954	0.9637	2.4663	0.0341	0.106	-4.03	-0.9233	none
SEC61B	-0.445	-0.4512	-2.466	0.03411	0.106	-4.03	1.83606	none
ASAH2B	0.342	0.2522	2.4661	0.03412	0.106	-4.03	-0.1556	none
DVL3	0.365	0.3274	2.4657	0.03414	0.106	-4.04	-0.5257	none
UBE2D4	0.235	0.1168	2.4657	0.03414	0.106	-4.04	-0.9031	none
RPUSD3	0.26	0.1783	2.4655	0.03415	0.106	-4.04	-0.6635	none
TPP2	0.669	0.6106	2.4653	0.03416	0.106	-4.04	-0.1956	none
RHOA	-0.401	-0.4203	-2.465	0.0342	0.106	-4.04	1.92017	none
ZFYVE26	0.552	0.4408	2.4646	0.0342	0.106	-4.04	-1.3865	none
DDIAS	0.56	0.4733	2.4642	0.03423	0.106	-4.04	-0.8212	none
IFT57	-0.334	-0.2904	-2.463	0.03428	0.106	-4.04	1.59686	none
LYZ	0.643	0.4578	2.4627	0.03431	0.106	-4.04	-1.0078	none
GBP4	0.271	0.1842	2.4625	0.03432	0.106	-4.04	-1.0162	none
MTRNR2L4	0.195	0.1384	2.4624	0.03433	0.106	-4.04	0.19669	none
UQCRH	-0.416	-0.4449	-2.462	0.03434	0.106	-4.04	1.5486	none
RPL15	-0.393	-0.4014	-2.462	0.03437	0.106	-4.04	2.05844	none
COX6B1	-0.376	-0.3601	-2.461	0.03439	0.106	-4.04	1.66291	none
TPP1	0.371	0.3389	2.4608	0.03443	0.106	-4.04	-0.6642	none
PSMA1	-0.33	-0.3382	-2.46	0.03445	0.106	-4.04	1.92081	none

RUNDC3A	0.395	0.2479	2.4592	0.03452	0.106	-4.05	-1.047	none
UQCR10	-0.311	-0.3135	-2.459	0.03453	0.106	-4.05	0.63934	none
PRKAR2A	0.57	0.555	2.4587	0.03455	0.107	-4.05	-0.5003	none
TUBB4B	-0.262	-0.2501	-2.457	0.03466	0.107	-4.05	1.57577	none
NCOA3	0.664	0.6576	2.4565	0.03467	0.107	-4.05	-0.5883	none
SIRT4	-0.274	-0.2595	-2.457	0.03467	0.107	-4.05	2.19194	AA-related
URB2	0.265	0.236	2.4563	0.03468	0.107	-4.05	0.28093	none
CNKSR2	0.496	0.4408	2.4559	0.03471	0.107	-4.05	-0.3753	none
ANKRD7	0.348	0.2316	2.4557	0.03472	0.107	-4.05	-0.3809	none
IL32	-0.281	-0.2653	-2.456	0.03473	0.107	-4.05	1.92073	none
SPAG4	0.468	0.3923	2.4555	0.03473	0.107	-4.05	-0.7503	none
NUP210	0.588	0.6463	2.4554	0.03474	0.107	-4.05	-0.5061	none
PUS7	0.395	0.3974	2.4548	0.03478	0.107	-4.05	-0.0363	none
CSTB	-0.328	-0.3265	-2.454	0.03483	0.107	-4.05	1.9723	none
CLEC17A	0.3	0.2409	2.4536	0.03485	0.107	-4.05	-0.7773	none
KIFC2	0.468	0.4297	2.4532	0.03487	0.107	-4.06	-0.0203	none
DCX	0.194	0.134	2.4523	0.03492	0.107	-4.06	-1.453	none
RB1	0.359	0.3191	2.452	0.03494	0.107	-4.06	0.02281	none
S100A11	-0.256	-0.2656	-2.452	0.03495	0.107	-4.06	0.90683	none
TTBK1	0.208	0.2021	2.4509	0.035	0.108	-4.06	-1.2253	none
LGALS7	0.303	0.25	2.4508	0.03501	0.108	-4.06	-0.327	none
HSPB1	-0.322	-0.2627	-2.451	0.03501	0.108	-4.06	1.58535	none
DHX33	0.375	0.4299	2.4501	0.03505	0.108	-4.06	-0.4606	none
CHMP5	-0.432	-0.4456	-2.449	0.03512	0.108	-4.06	1.51269	none
ZNF148	0.433	0.4212	2.4488	0.03513	0.108	-4.06	-0.3727	none
UMOD	-0.236	-0.1772	-2.449	0.03513	0.108	-4.06	0.04135	none
ZNF195	0.361	0.3042	2.4483	0.03516	0.108	-4.06	-1.1774	none
LY6E	-0.444	-0.4053	-2.448	0.03517	0.108	-4.06	1.96734	none
AIF1L	-0.397	-0.3674	-2.447	0.03524	0.108	-4.07	2.07553	none
BTNL8	0.272	0.1951	2.4463	0.03527	0.108	-4.07	-0.0795	none
GXYLT1	0.47	0.3955	2.4463	0.03528	0.108	-4.07	-0.4467	none
CSF2RB	0.255	0.2537	2.446	0.03529	0.108	-4.07	-0.7943	none
MED15	0.615	0.6542	2.4449	0.03536	0.108	-4.07	-0.4986	none
MYLK	0.332	0.2933	2.4444	0.03539	0.108	-4.07	-0.8891	none
P4HA3	0.469	0.2521	2.4439	0.03542	0.109	-4.07	-0.9819	none
CLSTN3	0.389	0.4664	2.4438	0.03542	0.109	-4.07	0.42872	none
ACOT13	-0.287	-0.2544	-2.444	0.03543	0.109	-4.07	1.90335	none
EVA1C	-0.458	-0.3373	-2.444	0.03543	0.109	-4.07	2.03719	none
MLF1	0.335	0.2284	2.4436	0.03544	0.109	-4.07	-0.8875	none
GTF2E1	0.225	0.0597	2.4432	0.03546	0.109	-4.07	-0.6677	none

SEL1L3	0.295	0.2655	2.443	0.03547	0.109	-4.07	-0.4794	none
PRPF4	0.212	0.1847	2.4429	0.03548	0.109	-4.07	-0.934	none
F10	0.205	0.1963	2.4424	0.03551	0.109	-4.07	0.43733	none
EXOSC10	0.674	0.6603	2.4423	0.03551	0.109	-4.07	-0.8904	none
NEXN	0.351	0.2378	2.4421	0.03553	0.109	-4.07	-0.6934	none
SRFBP1	0.496	0.4759	2.4419	0.03554	0.109	-4.07	-0.4899	none
TECPR1	0.493	0.4682	2.4418	0.03555	0.109	-4.07	-0.7073	none
DCDC1	0.268	0.2019	2.4413	0.03557	0.109	-4.07	-1.3381	none
ACTA2	0.367	0.264	2.4413	0.03557	0.109	-4.07	-1.0878	none
GOSR2	0.297	0.2063	2.4412	0.03558	0.109	-4.07	-0.0543	none
KIDINS220	0.614	0.6268	2.4402	0.03564	0.109	-4.08	-0.7498	none
TMEM265	0.317	0.2821	2.44	0.03565	0.109	-4.08	-0.2633	none
UBAP2	0.525	0.4769	2.4398	0.03566	0.109	-4.08	-0.5727	none
SLC18A1	0.242	0.2149	2.4397	0.03567	0.109	-4.08	0.22271	none
ANKFY1	0.493	0.4773	2.4391	0.03571	0.109	-4.08	-0.8079	none
SBNO2	0.446	0.4396	2.4385	0.03574	0.109	-4.08	-0.4173	none
SLC1A5	-0.25	-0.2095	-2.438	0.03576	0.109	-4.08	1.89479	none
SIRT3	0.396	0.3091	2.438	0.03577	0.109	-4.08	-1.0267	none
COA6	-0.425	-0.425	-2.437	0.03583	0.109	-4.08	1.73256	none
B3GNTL1	0.42	0.3399	2.437	0.03583	0.109	-4.08	-0.1428	none
RCN3	0.32	0.2536	2.4369	0.03584	0.109	-4.08	-1.1386	none
HNF4G	0.871	0.636	2.4367	0.03585	0.109	-4.08	-0.9476	none
KANK3	0.325	0.2543	2.4366	0.03586	0.109	-4.08	-0.4487	none
LASP1	0.324	0.2672	2.4364	0.03587	0.109	-4.08	-0.0653	none
SLC44A2	0.377	0.2526	2.4363	0.03588	0.109	-4.08	-0.7221	none
COQ10B	0.249	0.0913	2.436	0.0359	0.109	-4.08	-0.21	none
PHYKPL	0.247	0.1851	2.4334	0.03605	0.11	-4.09	0.036	none
UQCRFS1	-0.415	-0.3923	-2.433	0.03606	0.11	-4.09	2.03752	none
CCT8	-0.248	-0.1826	-2.433	0.03607	0.11	-4.09	2.18123	AA-related
LRRC47	0.294	0.2545	2.4331	0.03607	0.11	-4.09	-0.401	none
DPP6	0.204	0.1537	2.433	0.03608	0.11	-4.09	-1.0571	none
GLI4	0.384	0.2548	2.4328	0.03609	0.11	-4.09	0.16239	none
ABHD18	0.3	0.1512	2.4323	0.03612	0.11	-4.09	-1.1272	none
UBTD1	-0.395	-0.3132	-2.432	0.03614	0.11	-4.09	0.77582	none
HAUS2	0.299	0.1761	2.4312	0.03619	0.11	-4.09	-1.082	none
CHCHD4	-0.271	-0.2619	-2.431	0.03622	0.11	-4.09	2.26083	AA-related
RAP2B	0.216	0.0884	2.4307	0.03622	0.11	-4.09	0.17105	none
USP28	0.419	0.3474	2.4306	0.03623	0.11	-4.09	0.40531	none
INSR	0.354	0.2277	2.4302	0.03624	0.11	-4.09	-0.8719	none
NHSL2	0.192	0.157	2.4302	0.03625	0.11	-4.09	-0.8924	none

NDUFAB1	-0.4	-0.3961	-2.43	0.03628	0.11	-4.09	1.83869	none
MCCC1	0.268	0.2129	2.4297	0.03628	0.11	-4.09	-0.5339	none
ZNF384	0.594	0.572	2.4293	0.0363	0.11	-4.09	-0.857	none
YIPF3	0.369	0.2205	2.4288	0.03633	0.11	-4.09	-0.6338	none
FNBP4	0.621	0.5865	2.4287	0.03634	0.11	-4.09	-0.203	none
SLC41A1	0.237	0.2592	2.4284	0.03636	0.11	-4.1	-0.4907	none
STOML2	-0.324	-0.2954	-2.428	0.03641	0.111	-4.1	2.48889	AA-related
RAB19	0.746	0.5805	2.4275	0.03641	0.111	-4.1	-1.2175	none
RBAK	0.621	0.5508	2.4275	0.03641	0.111	-4.1	-1.0836	none
CHRNA2	0.34	0.2936	2.4271	0.03644	0.111	-4.1	0.06722	none
PIGL	0.368	0.2867	2.4268	0.03645	0.111	-4.1	-1.3573	none
BORCS7-A	-0.181	-0.1813	-2.427	0.03647	0.111	-4.1	0.6785	none
OVGP1	0.362	0.3129	2.4262	0.03649	0.111	-4.1	-0.5822	none
FMNL2	0.458	0.3844	2.426	0.03651	0.111	-4.1	-0.0067	none
NFX1	0.602	0.5886	2.426	0.03651	0.111	-4.1	-1.0595	none
IQGAP2	0.882	0.7995	2.4259	0.03651	0.111	-4.1	-0.9845	none
RCC1	0.268	0.2432	2.4257	0.03652	0.111	-4.1	0.3354	none
PIK3C2A	0.693	0.7099	2.4253	0.03655	0.111	-4.1	-0.0157	none
ARL3	-0.277	-0.2612	-2.425	0.03655	0.111	-4.1	1.36561	none
LSM1	-0.341	-0.337	-2.425	0.03656	0.111	-4.1	1.02289	none
CHMP4A	0.362	0.3271	2.4251	0.03656	0.111	-4.1	-1.3328	none
ZNF134	0.388	0.3021	2.4248	0.03658	0.111	-4.1	-0.4968	none
MTRNR2L1	-0.392	-0.3427	-2.425	0.0366	0.111	-4.1	0.89187	none
TACC1	0.514	0.4994	2.4244	0.0366	0.111	-4.1	-0.0539	none
TRIP10	0.284	0.3122	2.4236	0.03665	0.111	-4.1	-0.4097	none
SFXN2	0.274	0.1899	2.4236	0.03666	0.111	-4.1	-0.0343	none
PRKCE	0.541	0.5004	2.4232	0.03668	0.111	-4.1	-0.9168	none
PIAS2	0.362	0.2648	2.4229	0.0367	0.111	-4.1	0.32182	none
TFAP4	0.412	0.4158	2.4228	0.0367	0.111	-4.1	-0.2396	none
LAMP1	0.337	0.2687	2.4224	0.03673	0.111	-4.11	-1.1695	none
WDR45B	0.218	0.1061	2.4221	0.03675	0.111	-4.11	-0.2759	none
RBX1	-0.392	-0.3903	-2.421	0.03678	0.111	-4.11	1.58599	none
TPH2	0.399	0.3141	2.4214	0.03679	0.111	-4.11	-0.7546	none
MOSPD3	0.284	0.1774	2.4211	0.03681	0.111	-4.11	-0.4102	none
WDR89	0.207	0.1095	2.421	0.03682	0.111	-4.11	-0.5359	none
SCYL1	0.406	0.4045	2.42	0.03688	0.111	-4.11	-0.1248	none
AKT1S1	0.522	0.403	2.4199	0.03689	0.111	-4.11	-1.1841	none
CD81	-0.378	-0.2882	-2.42	0.03691	0.111	-4.11	0.98785	none
CENPN	-0.205	-0.1683	-2.419	0.03691	0.111	-4.11	1.12526	none
FMNL1	0.599	0.6307	2.4194	0.03692	0.111	-4.11	-0.9847	none

IRF5	0.465	0.3133	2.4189	0.03694	0.111	-4.11	-0.9581	none
SRSF6	0.579	0.5588	2.4184	0.03698	0.112	-4.11	-1.104	none
CTNNB1	0.283	0.2868	2.4183	0.03699	0.112	-4.11	-0.735	none
NF1	0.594	0.5815	2.4181	0.03699	0.112	-4.11	-0.781	none
JAZF1	0.389	0.2885	2.4179	0.03701	0.112	-4.11	-0.5991	none
CD83	-0.235	-0.1726	-2.418	0.03702	0.112	-4.11	2.59559	AA-related
NCOA6	0.599	0.6069	2.4173	0.03704	0.112	-4.11	-0.9774	none
SEC11C	-0.348	-0.3773	-2.417	0.03706	0.112	-4.11	1.34324	none
CBX2	0.289	0.3139	2.4159	0.03713	0.112	-4.12	-0.2713	none
SCYL3	0.297	0.2299	2.415	0.03719	0.112	-4.12	-1.0665	none
SLC26A2	0.397	0.3229	2.4149	0.03719	0.112	-4.12	-1.2217	none
ZC3H12D	0.619	0.6689	2.4145	0.03722	0.112	-4.12	-0.4444	none
RPS27A	-0.443	-0.4651	-2.414	0.03724	0.112	-4.12	1.84806	none
OLFM2	0.33	0.2361	2.4142	0.03724	0.112	-4.12	-0.9588	none
ELAC1	0.257	0.1875	2.4136	0.03728	0.112	-4.12	-0.2384	none
CLIP3	0.518	0.5157	2.4133	0.03729	0.112	-4.12	0.05481	none
SUPT16H	0.742	0.7506	2.4129	0.03732	0.112	-4.12	-0.8666	none
AKAP13	0.633	0.6147	2.4127	0.03734	0.112	-4.12	-0.8261	none
ZSCAN21	0.328	0.2135	2.4119	0.03739	0.112	-4.12	-0.562	none
CLSPN	0.713	0.7257	2.4107	0.03746	0.113	-4.12	-1.014	none
SFXN4	-0.272	-0.2757	-2.411	0.03746	0.113	-4.12	1.83069	none
PTPN20	0.32	0.239	2.4091	0.03756	0.113	-4.13	-0.7508	none
DHX35	0.226	0.2107	2.4089	0.03757	0.113	-4.13	0.14996	none
C2ORF69	0.279	0.2159	2.4087	0.03759	0.113	-4.13	1.06411	none
GSR	0.458	0.428	2.4082	0.03762	0.113	-4.13	-0.721	none
SERHL2	0.422	0.2586	2.4082	0.03762	0.113	-4.13	-0.9664	none
CTIF	0.35	0.288	2.4081	0.03762	0.113	-4.13	-0.521	none
PRKCSH	0.534	0.5501	2.4075	0.03766	0.113	-4.13	-0.6029	none
KIZ	0.407	0.3653	2.4075	0.03766	0.113	-4.13	-0.6064	none
ANKRD29	0.213	0.1649	2.4075	0.03766	0.113	-4.13	-0.3005	none
MRPS2	-0.254	-0.19	-2.407	0.03769	0.113	-4.13	1.921	none
SIX4	0.217	0.182	2.4065	0.03772	0.113	-4.13	-1.0041	none
CELA3B	0.529	0.2694	2.4063	0.03774	0.113	-4.13	-1.1584	none
PHF19	-0.266	-0.2141	-2.406	0.03775	0.113	-4.13	2.25199	AA-related
ZC3H18	0.762	0.824	2.4061	0.03775	0.113	-4.13	-0.4284	none
PIGW	0.343	0.2095	2.4054	0.03779	0.113	-4.13	0.20203	none
RPA4	-0.19	-0.1284	-2.405	0.03783	0.113	-4.13	-0.1138	none
C1ORF100	0.354	0.2799	2.4049	0.03783	0.113	-4.13	-0.8191	none
DZIP3	0.453	0.3687	2.4038	0.0379	0.114	-4.13	-0.7345	none
DDX60L	0.549	0.4723	2.4037	0.03791	0.114	-4.14	-1.4173	none



WBP2	0.229	0.1843	2.4032	0.03793	0.114	-4.14	-0.0411	none
BCKDHB	0.279	0.1481	2.4026	0.03798	0.114	-4.14	-0.2678	none
IMMP2L	0.517	0.32	2.4018	0.03803	0.114	-4.14	-0.9317	none
SCRN2	0.338	0.2882	2.4017	0.03803	0.114	-4.14	-0.6964	none
TRO	-0.28	-0.213	-2.401	0.03805	0.114	-4.14	1.52361	none
CDRT4	0.363	0.2549	2.4014	0.03805	0.114	-4.14	-0.5709	none
MAPKAP1	0.377	0.3549	2.4009	0.03808	0.114	-4.14	-0.8737	none
KCNE1	0.276	0.1563	2.3997	0.03816	0.114	-4.14	-1.0838	none
EEF1G	-0.271	-0.2476	-2.4	0.03817	0.114	-4.14	0.70757	none
NOTCH3	0.561	0.4397	2.3995	0.03818	0.114	-4.14	0.11729	none
TBC1D25	0.378	0.2608	2.3988	0.03822	0.114	-4.14	-0.8049	none
DDX39A	-0.212	-0.1294	-2.399	0.03822	0.114	-4.14	1.66807	none
GOLGA4	0.39	0.4239	2.3987	0.03822	0.114	-4.14	-0.0786	none
ZNF622	-0.195	-0.1128	-2.399	0.03824	0.114	-4.14	1.7575	none
TAX1BP3	-0.308	-0.2896	-2.398	0.03825	0.114	-4.14	1.761	none
EVC	0.292	0.2445	2.3974	0.03831	0.114	-4.15	-0.8746	none
PRRC2A	0.833	0.7263	2.3972	0.03832	0.115	-4.15	-1.1943	none
ITPRIPL1	0.251	0.1809	2.3969	0.03834	0.115	-4.15	-0.5797	none
TMBIM6	-0.418	-0.4185	-2.397	0.03834	0.115	-4.15	2.29402	AA-related
THOC1	0.477	0.4332	2.3963	0.03838	0.115	-4.15	0.08044	none
JUN	0.363	0.4	2.396	0.0384	0.115	-4.15	0.66921	none
CDK1	-0.394	-0.3524	-2.396	0.03842	0.115	-4.15	1.96737	none
CCDC117	0.403	0.2734	2.3955	0.03843	0.115	-4.15	0.28487	none
PRG4	0.497	0.4729	2.3953	0.03845	0.115	-4.15	-0.3601	none
FBXW2	0.21	0.1456	2.395	0.03846	0.115	-4.15	-0.9588	none
THNSL2	0.377	0.2733	2.3947	0.03848	0.115	-4.15	-0.9139	none
PIKFYVE	0.561	0.6033	2.3947	0.03848	0.115	-4.15	-0.2075	none
ANGPTL4	0.528	0.4259	2.3941	0.03852	0.115	-4.15	-1.0445	none
FDX2	0.41	0.3283	2.3929	0.0386	0.115	-4.15	-0.5473	none
SUN3	0.635	0.4703	2.3922	0.03865	0.115	-4.15	-1.3165	none
IGF2R	0.693	0.7863	2.3921	0.03866	0.115	-4.15	-0.3976	none
CCZ1	-0.235	-0.219	-2.392	0.03866	0.115	-4.15	1.30118	none
MTCP1	-0.813	-0.7288	-2.392	0.03867	0.115	-4.15	1.54589	none
MSANTD3	0.286	0.2773	2.3918	0.03867	0.115	-4.15	-0.9563	none
SRSF3	-0.328	-0.316	-2.392	0.03868	0.115	-4.15	1.61559	none
TNPO1	0.24	0.1717	2.3916	0.03868	0.115	-4.15	-0.254	none
POLR1B	0.298	0.2659	2.3915	0.03869	0.115	-4.15	0.15815	none
CDC25A	0.234	0.2736	2.3914	0.0387	0.115	-4.16	-0.5821	none
PBOV1	0.208	0.1491	2.3903	0.03877	0.115	-4.16	-0.4887	none
RPL17	-0.353	-0.3622	-2.39	0.03877	0.115	-4.16	2.04426	none

TNKS1BP1	0.436	0.442	2.3896	0.03882	0.115	-4.16	-0.117	none
MAPK8	0.419	0.2577	2.3893	0.03884	0.115	-4.16	-0.5102	none
WRN	0.504	0.4688	2.3892	0.03884	0.115	-4.16	-0.6101	none
EFHC1	0.392	0.2849	2.3892	0.03884	0.115	-4.16	-1.3679	none
SDCBP	-0.369	-0.3731	-2.389	0.03885	0.115	-4.16	1.77346	none
ATAD3C	0.624	0.5218	2.389	0.03886	0.115	-4.16	-0.9056	none
NAE1	0.197	0.095	2.3889	0.03886	0.115	-4.16	-0.1888	none
AVL9	0.27	0.207	2.3889	0.03886	0.115	-4.16	-1.2464	none
NEDD4L	0.488	0.3999	2.3888	0.03887	0.115	-4.16	-0.892	none
BHLHB9	0.265	0.171	2.3886	0.03888	0.116	-4.16	-0.4904	none
SP4	0.423	0.3515	2.3883	0.0389	0.116	-4.16	-0.9461	none
SLC2A10	0.362	0.2566	2.3871	0.03898	0.116	-4.16	-0.8705	none
SOCS3	0.193	0.181	2.3868	0.039	0.116	-4.16	0.66836	none
PRC1	0.413	0.3879	2.3866	0.03901	0.116	-4.16	-0.7189	none
AMZ2	0.193	0.1453	2.3865	0.03902	0.116	-4.16	0.68627	none
TMA16	0.255	0.1319	2.3865	0.03902	0.116	-4.16	-0.9205	none
SRA1	-0.333	-0.2938	-2.386	0.03904	0.116	-4.16	1.43095	none
ST3GAL6	0.444	0.3231	2.3859	0.03906	0.116	-4.16	-0.9747	none
THOC7	-0.285	-0.3081	-2.386	0.03908	0.116	-4.16	1.75662	none
HIST2H2BI	0.327	0.3811	2.3845	0.03915	0.116	-4.17	0.27605	none
MED20	0.29	0.1727	2.3843	0.03916	0.116	-4.17	-1.0222	none
PPARGC1A	0.433	0.3354	2.3838	0.0392	0.116	-4.17	1.049	none
SLFNL1	0.275	0.2823	2.3828	0.03926	0.116	-4.17	-0.4336	none
KCTD3	0.578	0.4068	2.3827	0.03927	0.116	-4.17	-1.0076	none
SYNE1	0.553	0.5155	2.3827	0.03927	0.116	-4.17	-1.0616	none
ITGAE	-0.348	-0.345	-2.382	0.03929	0.116	-4.17	1.34284	none
CNN2	0.283	0.1816	2.3822	0.0393	0.116	-4.17	-0.2593	none
CR2	-0.312	-0.2906	-2.382	0.03931	0.116	-4.17	0.39531	none
DUS4L	0.269	0.2238	2.3814	0.03936	0.117	-4.17	1.42903	none
NRG2	-0.195	-0.1501	-2.381	0.03937	0.117	-4.17	0.20422	none
LAMTOR2	-0.189	-0.1355	-2.381	0.03938	0.117	-4.17	0.95839	none
MXD1	0.293	0.2385	2.3804	0.03942	0.117	-4.17	0.59638	none
HPS6	-0.223	-0.1474	-2.38	0.03944	0.117	-4.17	1.38152	none
OTUD5	0.487	0.4137	2.3801	0.03944	0.117	-4.17	-1.0275	none
ACVR2B	0.209	0.1954	2.38	0.03945	0.117	-4.17	-0.7015	none
FAM20B	0.45	0.3789	2.379	0.03952	0.117	-4.17	-1.2954	none
ADAM12	0.238	0.194	2.3787	0.03954	0.117	-4.18	-0.1435	none
SLC39A3	0.311	0.1745	2.3785	0.03955	0.117	-4.18	-0.6363	none
LYN	0.311	0.2233	2.3784	0.03955	0.117	-4.18	-0.4705	none
GDI1	0.313	0.2792	2.3778	0.0396	0.117	-4.18	-0.302	none

NCOR2	0.572	0.6329	2.3777	0.0396	0.117	-4.18	-0.7997	none
ZNRF3	0.291	0.2382	2.3771	0.03964	0.117	-4.18	-1.3896	none
NELL2	0.672	0.449	2.3769	0.03965	0.117	-4.18	-0.7809	none
FCGBP	0.415	0.3432	2.3768	0.03966	0.117	-4.18	0.70356	none
COMMD3	-0.326	-0.353	-2.377	0.03966	0.117	-4.18	1.47217	none
PSMG4	0.441	0.2508	2.3759	0.03972	0.117	-4.18	-0.7077	none
SPTAN1	0.752	0.8613	2.3759	0.03972	0.117	-4.18	-0.5289	none
TSNAX	0.249	0.1057	2.3746	0.03981	0.117	-4.18	-0.5348	none
SH3BP1	0.45	0.4356	2.3745	0.03981	0.117	-4.18	-0.4036	none
GON7	1.084	0.9419	2.3743	0.03983	0.118	-4.18	0.55958	none
SUPT4H1	-0.408	-0.443	-2.374	0.03986	0.118	-4.18	1.65275	none
CNTNAP2	0.618	0.5297	2.3735	0.03988	0.118	-4.18	-0.5533	none
H1FO	0.301	0.2802	2.373	0.03991	0.118	-4.18	0.3095	none
NRDC	0.384	0.3502	2.3718	0.04	0.118	-4.19	-0.1072	none
C12ORF45	0.34	0.1883	2.3715	0.04002	0.118	-4.19	-0.9753	none
PEX12	0.22	0.1544	2.3701	0.04012	0.118	-4.19	-1.0796	none
TMEM229	0.251	0.2036	2.3697	0.04014	0.118	-4.19	-0.4632	none
FILIP1	0.186	0.1386	2.3695	0.04015	0.118	-4.19	-1.2926	none
GALNT15	0.534	0.3809	2.3694	0.04016	0.118	-4.19	-1.105	none
ATP1B1	0.272	0.2583	2.3681	0.04025	0.119	-4.19	-0.4202	none
HEMGN	0.286	0.231	2.3681	0.04025	0.119	-4.19	-1.4258	none
IL18BP	0.451	0.3872	2.3672	0.04031	0.119	-4.19	-0.6472	none
HBQ1	0.355	0.4039	2.367	0.04033	0.119	-4.19	1.48792	none
SSBP1	-0.311	-0.3084	-2.367	0.04033	0.119	-4.19	1.65143	none
RNF113A	-0.222	-0.2242	-2.367	0.04035	0.119	-4.19	2.35228	AA-related
TPT1	-0.452	-0.4656	-2.367	0.04035	0.119	-4.19	1.54772	none
SSR2	-0.376	-0.3993	-2.366	0.04038	0.119	-4.2	2.2508	AA-related
ASNA1	-0.318	-0.264	-2.366	0.04038	0.119	-4.2	1.15927	none
INO80D	0.28	0.2453	2.3661	0.04038	0.119	-4.2	-0.9885	none
ST8SIA1	0.37	0.2396	2.3661	0.04038	0.119	-4.2	-0.5565	none
PLEKHA1	0.364	0.2404	2.3651	0.04045	0.119	-4.2	-0.9451	none
PPWD1	0.34	0.2696	2.3649	0.04046	0.119	-4.2	-0.8714	none
ZNF91	0.673	0.5421	2.3643	0.04051	0.119	-4.2	-0.8529	none
ZNF322	0.427	0.4406	2.3643	0.04051	0.119	-4.2	0.27924	none
TAF5L	0.295	0.2565	2.3634	0.04057	0.119	-4.2	-1.0431	none
WFDC2	-0.273	-0.2265	-2.363	0.0406	0.119	-4.2	1.09138	none
MMACHC	0.402	0.3277	2.3627	0.04062	0.119	-4.2	-1.079	none
KRBA2	0.363	0.2248	2.3623	0.04064	0.119	-4.2	-1.2538	none
LNX2	0.233	0.1476	2.3622	0.04065	0.119	-4.2	-1.2993	none
ARHGAP1	0.315	0.4152	2.3618	0.04068	0.119	-4.2	1.06275	none

IGF1R	0.485	0.5221	2.3617	0.04069	0.119	-4.2	-0.282	none
ECE1	0.737	0.7523	2.3612	0.04072	0.119	-4.2	-0.2593	none
NANOGNE	0.591	0.4622	2.3611	0.04072	0.119	-4.2	-0.3512	none
ZCCHC2	0.48	0.4641	2.3611	0.04072	0.119	-4.2	-0.3243	none
B4GALT2	0.186	0.1919	2.3607	0.04076	0.12	-4.2	-0.1663	none
SLC24A2	0.201	0.144	2.36	0.0408	0.12	-4.21	-1.3723	none
ZFP28	0.456	0.383	2.3598	0.04081	0.12	-4.21	0.28081	none
NR1H3	0.353	0.2053	2.3596	0.04083	0.12	-4.21	-1.0458	none
PRRG2	-0.258	-0.2113	-2.359	0.04089	0.12	-4.21	1.40989	none
CEACAM4	0.286	0.1844	2.3584	0.04091	0.12	-4.21	-1.1258	none
IGSF9B	-0.289	-0.1448	-2.358	0.04091	0.12	-4.21	0.83338	none
MMS22L	0.31	0.1969	2.3583	0.04092	0.12	-4.21	-1.2584	none
UGT2B7	0.408	0.2877	2.3582	0.04092	0.12	-4.21	-0.6027	none
HOMEZ	0.325	0.2686	2.3581	0.04093	0.12	-4.21	0.53439	none
KLHDC8B	-0.333	-0.2603	-2.358	0.04094	0.12	-4.21	0.9794	none
DIABLO	0.286	0.1428	2.3579	0.04094	0.12	-4.21	-0.9426	none
CTSS	0.237	0.1049	2.3571	0.041	0.12	-4.21	-0.3628	none
ZNF644	0.47	0.496	2.3562	0.04106	0.12	-4.21	-0.2709	none
UQCRCQ	-0.357	-0.3485	-2.356	0.04108	0.12	-4.21	1.48604	none
PMM2	0.354	0.3346	2.3559	0.04108	0.12	-4.21	-0.3134	none
SPATA5L1	0.273	0.2551	2.3548	0.04116	0.12	-4.21	0.18222	none
SND1	0.386	0.3594	2.3546	0.04117	0.12	-4.21	0.02285	none
EPC2	0.474	0.4255	2.3544	0.04118	0.12	-4.21	-0.3929	none
ATP8A1	0.339	0.3453	2.3542	0.0412	0.12	-4.21	0.32446	none
MGAT4A	0.326	0.1708	2.354	0.04121	0.12	-4.21	-0.1739	none
TRAPPC1	-0.186	-0.1573	-2.354	0.04122	0.12	-4.22	2.29541	AA-related
USP48	0.351	0.3453	2.3536	0.04125	0.12	-4.22	0.29191	none
MANF	-0.291	-0.2282	-2.353	0.0413	0.121	-4.22	1.29602	none
PYGB	0.267	0.2785	2.3527	0.0413	0.121	-4.22	0.13907	none
RPL12	-0.385	-0.4073	-2.353	0.04131	0.121	-4.22	2.11179	AA-related
IKBKG	0.357	0.3284	2.3521	0.04135	0.121	-4.22	-0.1305	none
MAP3K14	0.487	0.4532	2.352	0.04136	0.121	-4.22	-0.4804	none
DGCR8	0.441	0.491	2.3519	0.04136	0.121	-4.22	-0.8876	none
TWISTNB	-0.408	-0.3291	-2.352	0.04137	0.121	-4.22	1.72728	none
CD99	-0.303	-0.3082	-2.352	0.04138	0.121	-4.22	1.85659	none
TMA7	-0.31	-0.2967	-2.351	0.04145	0.121	-4.22	0.95459	none
PROSER1	0.31	0.3112	2.35	0.04149	0.121	-4.22	-0.7278	none
NOD1	0.317	0.2581	2.35	0.04149	0.121	-4.22	0.35846	none
ZNF177	-0.267	-0.2358	-2.35	0.04151	0.121	-4.22	1.57403	none
TAS2R5	0.293	0.2437	2.3494	0.04153	0.121	-4.22	-0.6659	none

METAP2	0.372	0.3194	2.3491	0.04156	0.121	-4.22	-0.314	none
MIP	-0.296	-0.2389	-2.349	0.04156	0.121	-4.22	0.59734	none
YLPM1	0.695	0.7153	2.349	0.04156	0.121	-4.22	-0.662	none
COX8A	-0.467	-0.4496	-2.349	0.04157	0.121	-4.22	1.94743	none
TNNT3	0.385	0.2938	2.3486	0.04159	0.121	-4.22	-0.7914	none
SAP30	-0.4	-0.3398	-2.348	0.04163	0.121	-4.22	1.6637	none
LEPROT	0.465	0.2862	2.3478	0.04164	0.121	-4.22	-0.1857	none
GTSF1	-0.26	-0.2839	-2.348	0.04166	0.121	-4.23	1.37479	none
ZNF562	0.429	0.3806	2.3469	0.04171	0.121	-4.23	-1.3874	none
CALML6	-0.154	-0.1015	-2.347	0.04173	0.121	-4.23	1.21453	none
SVBP	0.26	0.1197	2.3464	0.04175	0.121	-4.23	0.88493	none
MTCH2	-0.371	-0.4034	-2.346	0.04176	0.121	-4.23	1.68397	none
FHOD1	0.431	0.4407	2.346	0.04177	0.121	-4.23	-0.5982	none
STYX	0.36	0.1804	2.346	0.04177	0.121	-4.23	-0.7527	none
RPL35A	-0.406	-0.4403	-2.346	0.04179	0.121	-4.23	2.07965	none
ABL2	0.639	0.6149	2.3458	0.04179	0.121	-4.23	-1.3006	none
RDM1	-0.448	-0.4056	-2.346	0.04179	0.121	-4.23	1.1848	none
MRPS10	0.209	0.0833	2.3454	0.04182	0.122	-4.23	-0.381	none
KCTD2	0.392	0.4145	2.3451	0.04183	0.122	-4.23	-0.7899	none
SFSWAP	0.587	0.5899	2.345	0.04184	0.122	-4.23	-0.9806	none
LCA5L	0.483	0.3872	2.3444	0.04188	0.122	-4.23	-1.2809	none
SNX20	0.433	0.4347	2.3439	0.04192	0.122	-4.23	0.48926	none
TLK1	0.637	0.599	2.3435	0.04195	0.122	-4.23	-0.891	none
BCAS4	0.387	0.2543	2.3433	0.04197	0.122	-4.23	-0.0182	none
STEAP1B	0.26	0.2167	2.3429	0.04199	0.122	-4.23	-1.209	none
PRR11	0.901	0.9327	2.3426	0.04201	0.122	-4.23	-0.8555	none
EIF5AL1	-0.327	-0.2268	-2.342	0.04205	0.122	-4.23	0.39023	none
CARD6	0.208	0.1582	2.3417	0.04208	0.122	-4.23	-1.4711	none
KBTBD3	-0.547	-0.4914	-2.342	0.04209	0.122	-4.23	1.24224	none
C1ORF53	0.48	0.3653	2.3412	0.04211	0.122	-4.24	0.87904	none
ARL8A	0.414	0.3454	2.341	0.04212	0.122	-4.24	0.6251	none
CEP120	0.432	0.4119	2.3405	0.04216	0.122	-4.24	-0.2564	none
CSNK1G1	0.557	0.4674	2.3401	0.04219	0.122	-4.24	-1.3401	none
CRYBG3	0.388	0.4575	2.34	0.0422	0.122	-4.24	-0.4716	none
C17ORF50	0.301	0.2393	2.3397	0.04222	0.122	-4.24	-0.2323	none
FCF1	0.435	0.3335	2.3395	0.04224	0.122	-4.24	-0.846	none
PHF20L1	0.439	0.456	2.3391	0.04226	0.122	-4.24	-0.5808	none
C2ORF66	0.193	0.1339	2.3386	0.0423	0.122	-4.24	-0.6341	none
DHX15	0.193	0.1173	2.3382	0.04233	0.123	-4.24	0.14207	none
SRD5A1	0.262	0.1532	2.3378	0.04235	0.123	-4.24	-0.0286	none

KLHL20	-0.313	-0.2489	-2.338	0.04238	0.123	-4.24	1.47217	none
KLF7	0.471	0.4239	2.3375	0.04238	0.123	-4.24	-0.4336	none
PHB2	-0.282	-0.2355	-2.337	0.04244	0.123	-4.24	2.29572	AA-related
CD69	-0.42	-0.4215	-2.336	0.04248	0.123	-4.24	2.16656	AA-related
ERV3-1	0.542	0.5276	2.3357	0.0425	0.123	-4.24	0.03132	none
AGAP5	0.331	0.2972	2.3356	0.04251	0.123	-4.24	-0.2263	none
PM20D1	0.501	0.4297	2.3349	0.04256	0.123	-4.25	-1.175	none
PRPF8	0.84	0.8565	2.3347	0.04258	0.123	-4.25	-0.5407	none
MRPL15	-0.26	-0.2647	-2.334	0.04259	0.123	-4.25	1.91069	none
USP12	-0.337	-0.3045	-2.334	0.04263	0.123	-4.25	1.93513	none
RAD18	0.379	0.352	2.3337	0.04265	0.123	-4.25	-0.0319	none
SWAP70	0.461	0.4037	2.3336	0.04266	0.123	-4.25	-0.8178	none
GJA9	0.193	0.1544	2.3331	0.04269	0.123	-4.25	-1.1858	none
LITAF	-0.241	-0.2681	-2.333	0.04272	0.123	-4.25	1.76514	none
DNM1L	0.396	0.3506	2.332	0.04277	0.123	-4.25	-0.0777	none
MRPS23	-0.309	-0.3293	-2.332	0.04279	0.124	-4.25	0.2299	none
PSD4	0.522	0.5617	2.3314	0.04281	0.124	-4.25	-0.6228	none
CLOCK	0.356	0.3713	2.331	0.04284	0.124	-4.25	-0.5917	none
UBE2T	-0.356	-0.3618	-2.331	0.04286	0.124	-4.25	1.51408	none
ZNF2	0.205	0.1077	2.3306	0.04287	0.124	-4.25	-0.7748	none
DENND2D	-0.206	-0.1991	-2.33	0.04288	0.124	-4.25	2.15668	AA-related
ADAP1	-0.493	-0.3771	-2.33	0.0429	0.124	-4.25	1.95833	none
OCIAD2	-0.275	-0.3078	-2.33	0.04293	0.124	-4.25	-0.1169	none
PLEKHB1	0.307	0.2833	2.3298	0.04293	0.124	-4.25	0.06298	none
EPB41L2	0.753	0.8101	2.3298	0.04293	0.124	-4.25	-0.6191	none
POTEC	0.253	0.1792	2.3297	0.04294	0.124	-4.25	-1.234	none
SCMH1	0.482	0.488	2.3293	0.04296	0.124	-4.25	-0.2847	none
CETN3	-0.554	-0.4944	-2.329	0.04299	0.124	-4.26	2.32789	AA-related
TNIP2	0.243	0.2804	2.3287	0.04301	0.124	-4.26	0.017	none
TSR3	-0.267	-0.2203	-2.328	0.04303	0.124	-4.26	0.96883	none
UNC5CL	0.233	0.2287	2.3283	0.04303	0.124	-4.26	-0.5938	none
PRRC2B	0.693	0.8022	2.3283	0.04304	0.124	-4.26	-0.6377	none
ZNF44	0.34	0.2656	2.3282	0.04304	0.124	-4.26	-0.9563	none
MYO1D	0.464	0.3983	2.3272	0.04312	0.124	-4.26	-0.338	none
KRT86	-0.237	-0.2316	-2.326	0.04319	0.124	-4.26	1.32035	none
SPATA25	-0.283	-0.166	-2.326	0.0432	0.124	-4.26	2.23454	AA-related
NPC1L1	0.19	0.1312	2.3257	0.04323	0.124	-4.26	-1.2932	none
IGF2BP3	0.335	0.247	2.3254	0.04325	0.124	-4.26	-0.7125	none
SPTY2D1	0.508	0.5174	2.3253	0.04325	0.124	-4.26	-1.1063	none
PMVK	-0.298	-0.2747	-2.324	0.04333	0.125	-4.26	0.92783	none

STAB1	-0.491	-0.3635	-2.324	0.04335	0.125	-4.26	0.26248	none
PCDHA5	0.154	0.1097	2.3239	0.04336	0.125	-4.26	-1.1537	none
LAMTOR1	-0.323	-0.3062	-2.324	0.04336	0.125	-4.26	1.68373	none
MFSD11	0.346	0.1614	2.3237	0.04337	0.125	-4.26	0.90491	none
CCDC50	0.45	0.357	2.3237	0.04337	0.125	-4.26	0.16949	none
NGRN	0.229	0.1475	2.3236	0.04337	0.125	-4.26	-0.9715	none
C15ORF48	-0.552	-0.5719	-2.323	0.04346	0.125	-4.27	1.02141	none
RPL29	-0.283	-0.2788	-2.322	0.04348	0.125	-4.27	1.98119	none
LCN10	-0.461	-0.452	-2.322	0.04353	0.125	-4.27	1.28444	none
RORC	0.347	0.3244	2.3209	0.04358	0.125	-4.27	-1.2534	none
GTF3C4	0.313	0.2634	2.3208	0.04359	0.125	-4.27	-1.2465	none
ZBTB16	0.285	0.1829	2.3204	0.04361	0.125	-4.27	-1.2819	none
CHAF1A	0.718	0.8172	2.3201	0.04364	0.125	-4.27	-0.7039	none
ITGAX	0.534	0.4436	2.3195	0.04368	0.125	-4.27	-1.1215	none
PCSK5	0.558	0.5229	2.319	0.04371	0.125	-4.27	-0.0315	none
TMEM168	0.481	0.3507	2.3179	0.04379	0.126	-4.27	-0.9259	none
RPS17	-0.442	-0.4609	-2.318	0.04382	0.126	-4.27	2.18977	AA-related
PPM1L	0.393	0.3011	2.3171	0.04386	0.126	-4.27	0.077	none
FAM19A5	-0.277	-0.2176	-2.317	0.04387	0.126	-4.27	1.02254	none
SLFN11	0.531	0.4937	2.3168	0.04387	0.126	-4.27	-0.3159	none
UBL5	-0.357	-0.3689	-2.317	0.04389	0.126	-4.27	1.794	none
PYROXD1	0.404	0.2775	2.3166	0.04389	0.126	-4.27	-0.4137	none
RRAGC	0.237	0.1347	2.3147	0.04403	0.126	-4.28	-0.1869	none
CD86	0.276	0.2024	2.3146	0.04404	0.126	-4.28	0.14936	none
CXXC1	0.402	0.3323	2.3144	0.04405	0.126	-4.28	-0.4959	none
DDI2	0.654	0.6585	2.3142	0.04407	0.126	-4.28	-0.3958	none
RPL23A	-0.359	-0.3808	-2.314	0.04409	0.126	-4.28	2.01977	none
SLC17A5	0.29	0.1309	2.3134	0.04413	0.126	-4.28	-0.8327	none
OSBPL2	0.361	0.31	2.312	0.04423	0.127	-4.28	-0.741	none
FREM2	0.217	0.1581	2.3106	0.04433	0.127	-4.28	-0.847	none
MT-ND4L	0.572	0.5939	2.3105	0.04434	0.127	-4.28	-0.4981	none
B2M	-0.368	-0.398	-2.31	0.04441	0.127	-4.29	1.66944	none
STX12	-0.359	-0.3113	-2.31	0.04442	0.127	-4.29	1.283	none
CD48	-0.525	-0.5547	-2.309	0.04443	0.127	-4.29	1.78837	none
NRN1	-0.278	-0.2647	-2.309	0.04444	0.127	-4.29	1.92254	none
AMBRA1	0.619	0.5639	2.3089	0.04446	0.127	-4.29	-1.2374	none
TTC36	-0.278	-0.2313	-2.309	0.04448	0.127	-4.29	1.73331	none
FSTL1	0.217	0.2306	2.3084	0.0445	0.127	-4.29	0.90055	none
DLGAP2	0.28	0.2877	2.308	0.04453	0.127	-4.29	0.94274	none
TMEM217	0.336	0.331	2.3076	0.04456	0.127	-4.29	0.38995	none

NPFFR2	0.159	0.1002	2.3074	0.04458	0.127	-4.29	-1.0935	none
NDUFB11	-0.44	-0.4258	-2.307	0.04458	0.127	-4.29	2.46859	AA-related
EFNB1	0.294	0.2669	2.3072	0.04459	0.127	-4.29	0.02049	none
AC240274	0.364	0.2985	2.3071	0.0446	0.127	-4.29	-0.7017	none
ACTR3B	0.267	0.1873	2.3071	0.0446	0.127	-4.29	-0.6971	none
FAM83E	0.606	0.5796	2.3065	0.04464	0.127	-4.29	1.01796	none
LSM14A	0.583	0.4743	2.3063	0.04466	0.127	-4.29	-0.2382	none
PELP1	0.404	0.4156	2.3063	0.04466	0.127	-4.29	-0.6822	none
NKPD1	0.233	0.1682	2.3058	0.0447	0.127	-4.29	-0.9215	none
PNPLA6	0.45	0.4253	2.3058	0.0447	0.127	-4.29	-0.1424	none
UPK1A	0.459	0.3293	2.3057	0.0447	0.127	-4.29	-1.2767	none
TSPAN31	0.431	0.1575	2.3051	0.04475	0.128	-4.29	-0.6214	none
TTC7A	0.318	0.3507	2.304	0.04483	0.128	-4.29	-0.8087	none
RPL11	-0.367	-0.3925	-2.304	0.04485	0.128	-4.3	2.14877	AA-related
SLC12A7	0.527	0.5443	2.3026	0.04493	0.128	-4.3	0.05634	none
ZNF404	0.398	0.3195	2.3024	0.04495	0.128	-4.3	-0.8315	none
GABPB1	0.234	0.1218	2.3022	0.04497	0.128	-4.3	-0.7525	none
EDF1	-0.227	-0.1598	-2.302	0.04501	0.128	-4.3	1.87658	none
ERCC6	0.53	0.5283	2.301	0.04506	0.128	-4.3	0.10929	none
MAGOH	-0.241	-0.2552	-2.301	0.04508	0.128	-4.3	1.27157	none
RCOR1	0.741	0.6752	2.2998	0.04515	0.128	-4.3	-0.7236	none
CDC123	-0.292	-0.2607	-2.299	0.04517	0.129	-4.3	1.06113	none
IER3	0.979	0.7517	2.2991	0.0452	0.129	-4.3	-1.1868	none
TMIE	0.291	0.203	2.2988	0.04523	0.129	-4.3	-0.4598	none
TTC21B	0.409	0.3673	2.2987	0.04523	0.129	-4.3	-0.7742	none
CCDC180	0.297	0.1967	2.2985	0.04525	0.129	-4.3	-1.1552	none
LMAN1L	0.391	0.2895	2.2983	0.04526	0.129	-4.3	1.01191	none
DCAF15	0.374	0.3988	2.298	0.04529	0.129	-4.3	0.25564	none
INTS6	0.576	0.5177	2.2978	0.0453	0.129	-4.3	-0.3122	none
RHNO1	0.283	0.1582	2.2972	0.04535	0.129	-4.31	-1.0183	none
TMEM136	0.305	0.1882	2.2969	0.04537	0.129	-4.31	-0.0792	none
CAMK4	0.285	0.1892	2.2967	0.04538	0.129	-4.31	-0.0805	none
ZNF226	0.512	0.3527	2.2962	0.04542	0.129	-4.31	-0.9128	none
UQCRB	-0.318	-0.3411	-2.295	0.04548	0.129	-4.31	1.67846	none
NARS	0.265	0.2396	2.2951	0.04551	0.129	-4.31	0.38499	none
BCR	0.578	0.5983	2.295	0.04551	0.129	-4.31	-0.4059	none
TJAP1	0.364	0.3456	2.295	0.04551	0.129	-4.31	-1.0106	none
MLF2	-0.262	-0.1964	-2.295	0.04552	0.129	-4.31	1.41537	none
SCTR	0.311	0.2834	2.2948	0.04553	0.129	-4.31	-0.0461	none
SKA3	0.311	0.2182	2.2945	0.04555	0.129	-4.31	-0.3534	none



ZGLP1	-0.262	-0.2052	-2.294	0.04556	0.129	-4.31	0.34635	none
CLEC19A	0.31	0.2528	2.2943	0.04557	0.129	-4.31	-1.003	none
FBXO10	0.42	0.4788	2.2937	0.04561	0.129	-4.31	0.40548	none
GNPTAB	0.616	0.6434	2.2932	0.04565	0.129	-4.31	0.21222	none
SAP30L	-0.561	-0.3515	-2.293	0.04569	0.129	-4.31	1.34641	none
ALOX5AP	-0.575	-0.6532	-2.293	0.0457	0.129	-4.31	1.44181	none
NSUN4	0.226	0.1391	2.2922	0.04573	0.13	-4.31	-0.9685	none
TULP1	0.285	0.2678	2.291	0.04582	0.13	-4.32	-0.4496	none
SLC4A1AP	0.54	0.5405	2.2908	0.04584	0.13	-4.32	-0.5039	none
GTF2H1	0.545	0.5311	2.2905	0.04586	0.13	-4.32	-0.572	none
LY6G5C	0.496	0.1655	2.2901	0.04589	0.13	-4.32	-0.3458	none
SRRM2	0.576	0.6879	2.2901	0.04589	0.13	-4.32	-0.4187	none
RARRES3	-0.411	-0.5046	-2.29	0.04591	0.13	-4.32	1.35517	none
RASGRF1	0.28	0.1652	2.2898	0.04591	0.13	-4.32	-1.1894	none
VPS33B	0.379	0.248	2.2888	0.04599	0.13	-4.32	-1.207	none
PAXBP1	0.603	0.5533	2.2881	0.04605	0.13	-4.32	-0.9101	none
RPL27	-0.434	-0.444	-2.288	0.04605	0.13	-4.32	1.43587	none
ZBTB33	-0.243	-0.1649	-2.288	0.04608	0.13	-4.32	2.06762	none
GLRX	-0.316	-0.3811	-2.288	0.04609	0.13	-4.32	1.23497	none
KAT2B	0.502	0.5097	2.2875	0.04609	0.13	-4.32	-0.83	none
PLD3	0.313	0.3072	2.2864	0.04618	0.131	-4.32	-1.0069	none
TAF1D	0.545	0.4435	2.2862	0.04619	0.131	-4.32	-1.0973	none
FAM135B	0.545	0.3474	2.2861	0.0462	0.131	-4.32	-1.0905	none
ATP6V0E1	-0.366	-0.4037	-2.286	0.04621	0.131	-4.32	1.74027	none
SLC38A1	0.199	0.1523	2.2854	0.04626	0.131	-4.32	-0.3845	none
RC3H2	0.369	0.382	2.2851	0.04628	0.131	-4.32	-0.0116	none
EIF4ENIF1	0.482	0.5014	2.2849	0.04629	0.131	-4.33	-0.4929	none
PPRC1	0.511	0.5791	2.2849	0.04629	0.131	-4.33	-0.1978	none
ZNF286A	0.363	0.3458	2.2848	0.0463	0.131	-4.33	0.04248	none
CIZ1	0.66	0.7972	2.2843	0.04634	0.131	-4.33	-0.2512	none
PAMR1	0.16	0.0961	2.2842	0.04635	0.131	-4.33	-1.2401	none
ROCK2	0.58	0.6035	2.2839	0.04637	0.131	-4.33	-0.8693	none
LATS1	0.457	0.4615	2.2828	0.04646	0.131	-4.33	-0.94	none
VDAC2	-0.258	-0.2449	-2.283	0.04646	0.131	-4.33	1.82438	none
PPA1	-0.269	-0.2938	-2.283	0.04646	0.131	-4.33	1.58217	none
NUTF2	-0.337	-0.3447	-2.282	0.04648	0.131	-4.33	1.78654	none
CPSF2	0.385	0.34	2.2823	0.04649	0.131	-4.33	-1.4069	none
KCTD17	-0.532	-0.3528	-2.282	0.04652	0.131	-4.33	1.01692	none
OR4K2	0.226	0.1654	2.281	0.0466	0.131	-4.33	-0.9166	none
OAZ3	0.353	0.2469	2.2805	0.04664	0.131	-4.33	-0.1078	none

C8ORF58	-0.324	-0.2423	-2.28	0.04667	0.131	-4.33	2.18293	AA-related
JRK	0.311	0.3472	2.2801	0.04667	0.131	-4.33	-0.1412	none
SLC25A13	0.212	0.1301	2.2798	0.04669	0.131	-4.33	-0.2125	none
PARVB	0.27	0.232	2.2795	0.04671	0.132	-4.33	-0.5943	none
TEX14	0.18	0.1701	2.2794	0.04672	0.132	-4.33	0.74825	none
LAX1	0.604	0.6055	2.2792	0.04674	0.132	-4.33	-0.9277	none
RIPK2	0.242	0.2222	2.2791	0.04675	0.132	-4.33	-0.1937	none
HRH1	0.287	0.2529	2.2786	0.04678	0.132	-4.34	-0.8663	none
CCDC127	0.533	0.5036	2.2785	0.0468	0.132	-4.34	0.01795	none
CLEC2D	0.338	0.2661	2.2784	0.0468	0.132	-4.34	-1.1251	none
PPID	0.214	0.1523	2.2783	0.04681	0.132	-4.34	-1.1089	none
ZNF33A	0.503	0.4619	2.2782	0.04682	0.132	-4.34	-1.0096	none
UBE2V2	0.223	0.1697	2.2781	0.04683	0.132	-4.34	-1.1424	none
CEP95	0.521	0.4637	2.278	0.04683	0.132	-4.34	-1.2236	none
PSMD10	-0.323	-0.298	-2.278	0.04683	0.132	-4.34	1.58402	none
GCNT2	0.706	0.5528	2.278	0.04683	0.132	-4.34	-1.2436	none
ZNF287	0.38	0.3863	2.2779	0.04684	0.132	-4.34	0.21342	none
ATG12	0.269	0.1326	2.2777	0.04686	0.132	-4.34	-0.9952	none
WDR35	0.291	0.2722	2.2777	0.04686	0.132	-4.34	-1.161	none
AKR1C1	0.466	0.244	2.2775	0.04687	0.132	-4.34	-0.806	none
TSGA10IP	0.313	0.285	2.277	0.04691	0.132	-4.34	-0.8502	none
RIF1	0.756	0.7955	2.2769	0.04691	0.132	-4.34	-0.1135	none
ARHGEF1	0.397	0.3958	2.2766	0.04694	0.132	-4.34	-0.2016	none
PAXIP1	0.434	0.4245	2.2761	0.04698	0.132	-4.34	-0.8554	none
CIT	0.413	0.4394	2.276	0.04699	0.132	-4.34	-0.6897	none
FLT3LG	0.363	0.2331	2.2756	0.04702	0.132	-4.34	-1.01	none
CCND2	0.272	0.2558	2.2743	0.04713	0.132	-4.34	-0.1692	none
CYP3A7	-0.273	-0.2353	-2.274	0.04715	0.132	-4.34	1.93614	none
ARHGAP2	0.682	0.6866	2.2734	0.0472	0.132	-4.34	-0.9505	none
SETD5	0.56	0.6327	2.2733	0.04721	0.132	-4.34	-0.0862	none
ARHGEF2	0.421	0.4755	2.2732	0.04721	0.132	-4.34	-0.3122	none
PRKG2	0.314	0.2347	2.2732	0.04721	0.132	-4.34	-0.2091	none
TAPBP	0.488	0.5102	2.2731	0.04722	0.132	-4.34	1.35147	none
GCFC2	0.219	0.1883	2.2724	0.04727	0.132	-4.34	-0.2028	none
SNRNP20C	0.543	0.5684	2.2724	0.04728	0.132	-4.35	-0.805	none
SYBU	0.2	0.1557	2.2722	0.04729	0.132	-4.35	-1.3847	none
MAPK11	-0.225	-0.1053	-2.272	0.04731	0.132	-4.35	1.05848	none
PARP9	0.373	0.3335	2.2715	0.04735	0.133	-4.35	-0.4977	none
JRKL	0.223	0.19	2.2712	0.04737	0.133	-4.35	0.50541	none
SNRNP48	-0.433	-0.3226	-2.271	0.04739	0.133	-4.35	2.05542	none

C2ORF81	0.32	0.2076	2.2708	0.0474	0.133	-4.35	-0.1974	none
ACAD9	0.259	0.2351	2.2706	0.04742	0.133	-4.35	0.13857	none
DNAJC13	0.723	0.7164	2.2704	0.04743	0.133	-4.35	-0.871	none
RALGPS1	0.374	0.2498	2.2704	0.04744	0.133	-4.35	-0.0256	none
IL33	-0.175	-0.0372	-2.27	0.04745	0.133	-4.35	0.86454	none
GCSAM	-0.179	-0.1643	-2.27	0.04745	0.133	-4.35	0.79419	none
CDK11A	0.497	0.5038	2.2702	0.04745	0.133	-4.35	-0.6063	none
KAT5	0.374	0.3589	2.27	0.04746	0.133	-4.35	-0.6932	none
GNPAT	-0.191	-0.1676	-2.269	0.04751	0.133	-4.35	1.74804	none
EFCAB10	0.316	0.2142	2.2692	0.04753	0.133	-4.35	-0.3218	none
RNF6	0.554	0.512	2.2691	0.04754	0.133	-4.35	-0.4431	none
PLCG1	0.555	0.5968	2.2684	0.0476	0.133	-4.35	-0.3748	none
SREBF2	0.47	0.5472	2.2682	0.04761	0.133	-4.35	0.36208	none
MVB12A	0.356	0.2402	2.2677	0.04765	0.133	-4.35	-0.5977	none
IRX5	0.238	0.2102	2.2674	0.04768	0.133	-4.35	0.42933	none
KCNT1	0.426	0.2735	2.2673	0.04768	0.133	-4.35	0.05188	none
LINGO4	0.165	0.1376	2.2667	0.04773	0.133	-4.35	-0.5289	none
DNHD1	0.368	0.3902	2.2666	0.04774	0.133	-4.35	-0.4672	none
RASA4	0.495	0.4632	2.2666	0.04774	0.133	-4.35	-1.0763	none
SERPINH1	0.395	0.3744	2.2666	0.04774	0.133	-4.35	-0.7077	none
RPS11	-0.406	-0.4204	-2.266	0.04776	0.133	-4.35	1.54988	none
FAM98A	0.357	0.332	2.2662	0.04777	0.133	-4.35	-0.5402	none
TMEM161	0.501	0.3967	2.2658	0.0478	0.133	-4.36	-0.8238	none
CCDC28A	-0.246	-0.2739	-2.265	0.04785	0.133	-4.36	0.95363	none
HADH	-0.221	-0.2176	-2.265	0.04789	0.133	-4.36	1.62977	none
SH3BGRL3	-0.288	-0.2728	-2.264	0.04792	0.134	-4.36	1.61905	none
SLC16A10	0.464	0.2901	2.2642	0.04793	0.134	-4.36	-0.9982	none
BTBD11	0.281	0.2217	2.2637	0.04797	0.134	-4.36	-1.0129	none
ANKZF1	0.38	0.3512	2.2627	0.04805	0.134	-4.36	-0.9459	none
IRAK3	0.274	0.2061	2.2624	0.04807	0.134	-4.36	-0.6312	none
LCN12	0.329	0.1693	2.2624	0.04808	0.134	-4.36	1.21385	none
ZNF395	0.32	0.2951	2.2621	0.0481	0.134	-4.36	-0.045	none
NBPF14	0.432	0.4727	2.2618	0.04812	0.134	-4.36	-0.3496	none
ATOX1	-0.275	-0.283	-2.261	0.04817	0.134	-4.36	1.97404	none
AC129492	0.391	0.2907	2.2611	0.04818	0.134	-4.36	-0.825	none
GZMH	-0.311	-0.1905	-2.261	0.04821	0.134	-4.36	1.81884	none
CD68	0.334	0.2568	2.2604	0.04824	0.134	-4.36	-0.9552	none
BACH2	0.356	0.3988	2.2603	0.04824	0.134	-4.36	0.06656	none
TAF3	0.595	0.666	2.2598	0.04829	0.134	-4.37	-1.0229	none
C1GALT1C	-0.244	-0.2834	-2.259	0.04831	0.134	-4.37	0.88864	none

FAM155A	0.167	0.1211	2.2587	0.04838	0.134	-4.37	-1.3455	none
FAM32A	0.261	0.2069	2.2586	0.04838	0.134	-4.37	-1.3329	none
IQCB1	0.271	0.1777	2.2585	0.04839	0.134	-4.37	-0.5081	none
FBXL14	-0.276	-0.1656	-2.258	0.04844	0.135	-4.37	1.8118	none
ITGB7	-0.301	-0.2704	-2.258	0.04845	0.135	-4.37	1.22012	none
WDR33	0.351	0.2757	2.2577	0.04846	0.135	-4.37	-0.249	none
DAD1	-0.394	-0.4063	-2.258	0.04847	0.135	-4.37	1.73605	none
BCL10	0.256	0.0927	2.2568	0.04852	0.135	-4.37	-1.2258	none
HACD1	0.318	0.2157	2.2568	0.04853	0.135	-4.37	0.5597	none
DNMT1	0.789	0.8312	2.2565	0.04855	0.135	-4.37	-0.7101	none
GATAD2B	0.752	0.7205	2.2562	0.04858	0.135	-4.37	-0.199	none
CHMP3	-0.259	-0.2802	-2.256	0.04859	0.135	-4.37	0.59797	none
ANKK1	-0.193	-0.1856	-2.256	0.04863	0.135	-4.37	0.06743	none
DIDO1	0.32	0.3597	2.254	0.04875	0.135	-4.37	-0.0576	none
SPRY4	-0.259	-0.2054	-2.254	0.04877	0.135	-4.37	0.86393	none
FRAT1	-0.223	-0.1759	-2.254	0.04877	0.135	-4.37	0.83633	none
GSTA4	-0.531	-0.4749	-2.254	0.04879	0.135	-4.37	2.02489	none
TAOK3	0.716	0.6989	2.2533	0.04881	0.135	-4.38	-0.9193	none
FAM209A	0.31	0.2839	2.2527	0.04886	0.135	-4.38	0.02313	none
ASPHD2	-0.194	-0.1156	-2.252	0.04891	0.136	-4.38	0.99364	none
SLC22A31	0.291	0.2555	2.2511	0.04899	0.136	-4.38	0.84284	none
INO80	0.546	0.6142	2.2509	0.04901	0.136	-4.38	-0.4259	none
RPL38	-0.437	-0.456	-2.251	0.04901	0.136	-4.38	1.48837	none
CDK12	0.82	0.888	2.2502	0.04907	0.136	-4.38	-0.866	none
CTU2	-0.257	-0.2	-2.25	0.04907	0.136	-4.38	0.45889	none
STAG1	0.561	0.465	2.249	0.04917	0.136	-4.38	-0.8895	none
ZFYVE21	0.285	0.1774	2.2487	0.04919	0.136	-4.38	-0.9098	none
ETAA1	0.416	0.4114	2.2487	0.04919	0.136	-4.38	-0.7946	none
C11ORF21	0.482	0.4126	2.2485	0.04921	0.136	-4.38	0.03483	none
GMCL1	0.197	0.1448	2.2485	0.04921	0.136	-4.38	-0.9168	none
SCARF2	0.235	0.2073	2.2485	0.04921	0.136	-4.38	-1.0789	none
DLGAP1	0.738	0.5794	2.2481	0.04924	0.136	-4.38	-0.7413	none
HMGB2	-0.2	-0.1311	-2.247	0.0493	0.136	-4.38	0.80545	none
OR2M3	0.169	0.1353	2.2468	0.04934	0.136	-4.39	-1.0122	none
SPATA5	0.363	0.3269	2.2468	0.04934	0.136	-4.39	-0.8848	none
BPTF	0.745	0.7741	2.2465	0.04937	0.136	-4.39	-0.9219	none
UBE2A	0.276	0.1019	2.2463	0.04939	0.136	-4.39	-0.5362	none
ARAP1	0.459	0.485	2.2456	0.04945	0.137	-4.39	-0.673	none
CGB5	0.35	0.3007	2.2456	0.04945	0.137	-4.39	0.22393	none
IGLL1	-0.234	-0.1578	-2.245	0.04948	0.137	-4.39	1.28261	none

RPL37	-0.426	-0.4313	-2.245	0.04948	0.137	-4.39	1.0285	none
ARHGAP4 <sup>!</sup>	0.441	0.4716	2.245	0.04949	0.137	-4.39	0.05421	none
LACTB2	-0.348	-0.3252	-2.244	0.04956	0.137	-4.39	1.77859	none
HCN1	0.178	0.1295	2.2439	0.04959	0.137	-4.39	0.11626	none
ZNF547	0.589	0.4574	2.2438	0.04959	0.137	-4.39	-0.84	none
SGTA	0.291	0.2625	2.2429	0.04967	0.137	-4.39	-1.1161	none
MGAT3	0.286	0.1548	2.2427	0.04969	0.137	-4.39	-0.4054	none
MGAT4C	0.177	0.1346	2.2423	0.04972	0.137	-4.39	-0.7897	none
SLC25A28	0.423	0.3953	2.2423	0.04972	0.137	-4.39	-0.147	none
RTEL1	0.517	0.5174	2.2419	0.04975	0.137	-4.39	-0.768	none
UBE2L3	-0.157	-0.1411	-2.242	0.04976	0.137	-4.39	0.50333	none
SRRM1	0.791	0.826	2.2413	0.0498	0.137	-4.39	-0.7741	none
SNU13	-0.348	-0.3362	-2.241	0.04985	0.137	-4.4	2.05858	none
THAP12	0.213	0.1637	2.2407	0.04986	0.137	-4.4	0.75159	none
RBM4	0.342	0.1854	2.2404	0.04988	0.137	-4.4	-0.7694	none
PPP1R11	-0.542	-0.5153	-2.24	0.04988	0.137	-4.4	1.48913	none
HSPB6	-0.253	-0.2383	-2.24	0.04992	0.137	-4.4	2.05245	none
SCN2B	0.251	0.1928	2.2399	0.04992	0.137	-4.4	-1.1571	none
BBC3	-0.25	-0.1486	-2.24	0.04992	0.137	-4.4	1.97594	none
GARNL3	0.368	0.311	2.2397	0.04994	0.137	-4.4	0.31431	none
LSM2	-0.558	-0.5689	-2.239	0.04999	0.138	-4.4	2.03818	none
GIT2	0.387	0.3668	2.2387	0.05002	0.138	-4.4	0.12884	none
SLC44A4	0.203	0.1377	2.2385	0.05004	0.138	-4.4	-0.9486	none
ARHGEF37	0.669	0.5119	2.2384	0.05005	0.138	-4.4	-0.2718	none
RB1CC1	0.78	0.739	2.2376	0.05012	0.138	-4.4	-0.4107	none
TOM1L1	0.801	0.6877	2.2376	0.05012	0.138	-4.4	-1.0057	none
MYO9B	0.652	0.7497	2.2375	0.05012	0.138	-4.4	-0.7184	none
PCMT1	-0.28	-0.2752	-2.237	0.05016	0.138	-4.4	1.49921	none
2-Mar	0.32	0.1716	2.237	0.05016	0.138	-4.4	-0.6192	none
NUAK2	0.399	0.3206	2.2369	0.05018	0.138	-4.4	-0.4956	none
NIPAL2	0.513	0.4709	2.2359	0.05025	0.138	-4.4	0.22424	none
LARS	0.476	0.389	2.2359	0.05026	0.138	-4.4	-1.1247	none
CGRRF1	0.371	0.2171	2.2354	0.0503	0.138	-4.4	-0.017	none
RBM44	0.159	0.1063	2.2354	0.0503	0.138	-4.4	-0.4434	none
ZNF879	0.367	0.3233	2.2349	0.05034	0.138	-4.4	0.06989	none
WDR66	0.534	0.2973	2.2348	0.05035	0.138	-4.4	-1.0526	none
JAKMIP2	0.396	0.3497	2.234	0.05042	0.138	-4.41	-1.0111	none
EIF1	-0.294	-0.2832	-2.233	0.05049	0.139	-4.41	2.20311	AA-related
EPHB1	-0.269	-0.1958	-2.233	0.05051	0.139	-4.41	0.53566	none
CD63	-0.485	-0.4778	-2.233	0.05053	0.139	-4.41	1.95637	none

FYTTD1	0.259	0.1654	2.2319	0.05059	0.139	-4.41	-0.6457	none
RADIL	0.268	0.211	2.2311	0.05066	0.139	-4.41	-1.0509	none
TIAM1	0.373	0.3608	2.2306	0.05071	0.139	-4.41	-0.1734	none
CCL3L1	0.33	0.2535	2.2305	0.05071	0.139	-4.41	-0.483	none
MRPL12	-0.233	-0.1805	-2.231	0.05071	0.139	-4.41	1.80947	none
APOA2	0.335	0.2141	2.2303	0.05073	0.139	-4.41	-1.171	none
ZMAT1	0.264	0.179	2.2301	0.05075	0.139	-4.41	-1.1123	none
CHID1	0.198	0.1513	2.2291	0.05083	0.139	-4.41	0.00898	none
CBX1	0.425	0.4055	2.2284	0.0509	0.139	-4.41	-0.2704	none
GDI2	-0.197	-0.2227	-2.227	0.051	0.14	-4.42	1.4341	none
POLG	0.472	0.5864	2.2271	0.05101	0.14	-4.42	0.85772	none
FMN2	0.21	0.1507	2.2269	0.05102	0.14	-4.42	-1.3561	none
EIF2S1	-0.379	-0.2919	-2.227	0.05104	0.14	-4.42	1.72691	none
ZNF827	0.609	0.5773	2.2259	0.05111	0.14	-4.42	-0.8422	none
ETV1	0.325	0.2756	2.2251	0.05118	0.14	-4.42	0.49054	none
HOMER2	0.568	0.558	2.225	0.05118	0.14	-4.42	0.04145	none
FBXO9	0.365	0.2861	2.2245	0.05122	0.14	-4.42	-0.8914	none
SMAD4	0.223	0.1758	2.2243	0.05124	0.14	-4.42	0.88021	none
CD70	0.36	0.2058	2.2243	0.05124	0.14	-4.42	-0.4521	none
PRPF38B	0.544	0.6022	2.2241	0.05126	0.14	-4.42	-0.4242	none
MANEA	0.164	0.0606	2.224	0.05127	0.14	-4.42	1.10803	none
GRHL1	0.334	0.2647	2.2238	0.05129	0.14	-4.42	-0.1768	none
CC2D1A	0.566	0.5999	2.2237	0.0513	0.14	-4.42	-1.065	none
CDC20	-0.26	-0.2001	-2.223	0.05135	0.14	-4.42	1.85394	none
ZFP37	0.273	0.1889	2.2231	0.05135	0.14	-4.42	-0.6505	none
CYP24A1	0.424	0.4091	2.2229	0.05136	0.14	-4.42	1.4577	none
C11ORF88	0.287	0.1633	2.2229	0.05137	0.14	-4.42	-0.5738	none
ARMC6	0.254	0.1761	2.2226	0.05139	0.14	-4.42	0.05932	none
HSPE1	-0.303	-0.2945	-2.222	0.05142	0.14	-4.42	2.01868	none
RMND5A	0.334	0.2719	2.2206	0.05156	0.141	-4.43	-0.8254	none
APOL3	0.385	0.3578	2.2205	0.05157	0.141	-4.43	-0.2726	none
ARHGAP17	0.652	0.6682	2.2199	0.05162	0.141	-4.43	0.03365	none
PSMB3	-0.365	-0.3462	-2.22	0.05164	0.141	-4.43	1.75987	none
FAM169A	0.442	0.3619	2.2195	0.05166	0.141	-4.43	0.22005	none
ZSCAN4	0.262	0.1914	2.2192	0.05168	0.141	-4.43	-1.4252	none
DUS3L	0.224	0.1812	2.2189	0.05171	0.141	-4.43	0.10018	none
RNASEK	-0.422	-0.4236	-2.219	0.05172	0.141	-4.43	2.07841	none
NEK11	-0.213	-0.1797	-2.217	0.05186	0.141	-4.43	1.0309	none
SLC5A1	0.178	0.1383	2.2171	0.05186	0.141	-4.43	-1.0596	none
FASN	0.435	0.5677	2.217	0.05187	0.141	-4.43	-0.0873	none

SERPIND1	0.166	0.1125	2.2166	0.05191	0.142	-4.43	-0.5639	none
NRK	0.161	0.1057	2.2161	0.05195	0.142	-4.43	-1.3177	none
SLC35F2	0.293	0.2027	2.216	0.05196	0.142	-4.43	-1.2177	none
CAND1	0.295	0.2815	2.2156	0.052	0.142	-4.43	-0.358	none
APPL1	0.222	0.1023	2.2151	0.05204	0.142	-4.44	0.49672	none
TMEM139	0.294	0.2818	2.2149	0.05206	0.142	-4.44	-1.2825	none
ACAP2	0.352	0.3437	2.2146	0.05208	0.142	-4.44	0.2294	none
ATP13A5	0.446	0.3201	2.2146	0.05208	0.142	-4.44	-0.8482	none
CDK5RAP3	0.233	0.2297	2.2143	0.05211	0.142	-4.44	-1.0816	none
BCKDHA	0.258	0.227	2.2143	0.05211	0.142	-4.44	0.1799	none
DNAJB1	0.261	0.1851	2.2133	0.05219	0.142	-4.44	-1.2616	none
TMEM59	-0.343	-0.4002	-2.213	0.0522	0.142	-4.44	0.88809	none
ABCA3	0.356	0.272	2.213	0.05222	0.142	-4.44	-1.0246	none
DOCK4	0.333	0.2369	2.213	0.05222	0.142	-4.44	-0.6817	none
ARHGEF18	0.661	0.6241	2.2127	0.05225	0.142	-4.44	-0.9187	none
SIGLECL1	-0.163	-0.1392	-2.212	0.05227	0.142	-4.44	0.6297	none
AGER	0.199	0.1886	2.2124	0.05228	0.142	-4.44	0.71271	none
HNF1B	0.261	0.1789	2.2122	0.05229	0.142	-4.44	-1.0813	none
DYNC1H1	0.772	0.8132	2.212	0.05231	0.142	-4.44	-0.5656	none
TTC14	0.434	0.4358	2.2106	0.05243	0.142	-4.44	0.33201	none
CABIN1	0.566	0.649	2.2105	0.05244	0.142	-4.44	-0.7997	none
SYK	0.234	0.1727	2.2104	0.05245	0.142	-4.44	-1.1411	none
EHD4	0.408	0.4065	2.2103	0.05246	0.142	-4.44	-0.6461	none
NPAT	0.559	0.5458	2.2102	0.05247	0.142	-4.44	-0.9155	none
ADAM15	0.2	0.1728	2.2094	0.05254	0.143	-4.44	0.51709	none
ZSWIM8	0.46	0.4878	2.2092	0.05256	0.143	-4.44	-1.0706	none
TPRG1L	0.305	0.1808	2.2091	0.05257	0.143	-4.45	-0.9866	none
TRUB2	0.262	0.2196	2.209	0.05257	0.143	-4.45	0.53988	none
GOPC	0.213	0.2136	2.2081	0.05265	0.143	-4.45	0.67205	none
EIF3M	-0.277	-0.2756	-2.207	0.05275	0.143	-4.45	0.95509	none
TMEM56	0.189	0.1391	2.2069	0.05276	0.143	-4.45	-1.2472	none
MT1G	-0.466	-0.2217	-2.207	0.05279	0.143	-4.45	0.73975	none
SLC22A1	0.337	0.3301	2.2063	0.05281	0.143	-4.45	0.12821	none
MT2A	-0.339	-0.3389	-2.206	0.05284	0.143	-4.45	2.12749	AA-related
TP73	0.443	0.3706	2.2057	0.05286	0.143	-4.45	-1.201	none
SLC7A13	0.288	0.1832	2.2057	0.05286	0.143	-4.45	-1.3652	none
SLC35A3	0.33	0.2099	2.2057	0.05286	0.143	-4.45	-0.3827	none
FAM163A	0.215	0.1837	2.2056	0.05287	0.143	-4.45	-0.6675	none
PINK1	0.298	0.272	2.2056	0.05287	0.143	-4.45	-0.4004	none
CCDC28B	0.428	0.3342	2.2049	0.05293	0.143	-4.45	0.11074	none

PCOLCE2	0.413	0.3645	2.2046	0.05296	0.143	-4.45	0.42784	none
SYT17	0.26	0.2046	2.2046	0.05296	0.143	-4.45	-1.1525	none
CFAP157	0.311	0.2769	2.2041	0.05301	0.144	-4.45	1.28997	none
FADS3	0.381	0.3462	2.2029	0.05311	0.144	-4.45	0.30657	none
PSEN2	0.208	0.2025	2.2028	0.05312	0.144	-4.45	-0.0096	none
ZNF316	0.597	0.5684	2.2027	0.05313	0.144	-4.46	-1.185	none
ABHD14A-	0.509	0.4331	2.2025	0.05315	0.144	-4.46	-0.2559	none
WDR88	0.333	0.2353	2.2015	0.05323	0.144	-4.46	-0.9126	none
BRD7	0.635	0.6249	2.2014	0.05324	0.144	-4.46	-0.7473	none
SFPQ	0.407	0.4118	2.2014	0.05325	0.144	-4.46	-0.4573	none
SMCR8	0.381	0.3817	2.2011	0.05328	0.144	-4.46	-0.7217	none
GABRG3	0.242	0.144	2.1991	0.05345	0.145	-4.46	-1.3496	none
S100A10	-0.297	-0.3147	-2.199	0.05346	0.145	-4.46	1.75423	none
SLC35B4	0.243	0.1723	2.1986	0.0535	0.145	-4.46	-0.354	none
IL9	-0.359	-0.2143	-2.198	0.05351	0.145	-4.46	1.43522	none
BTAFF1	0.422	0.4629	2.1984	0.05351	0.145	-4.46	-0.1286	none
PARP14	0.691	0.6829	2.1984	0.05351	0.145	-4.46	-0.7621	none
LYRM9	0.701	0.5435	2.1981	0.05354	0.145	-4.46	-0.9275	none
URI1	0.479	0.3792	2.198	0.05355	0.145	-4.46	-0.5814	none
TRMT10C	-0.213	-0.1576	-2.198	0.05358	0.145	-4.46	2.17653	AA-related
NIPSNAP3	-0.266	-0.3208	-2.198	0.05359	0.145	-4.46	2.103	AA-related
XPA	0.377	0.3056	2.1975	0.05359	0.145	-4.46	0.37656	none
RBM26	0.642	0.6761	2.1968	0.05366	0.145	-4.46	-0.6657	none
PMPCA	0.216	0.2155	2.1967	0.05366	0.145	-4.46	-0.8413	none
RPL17-C18	-0.244	-0.2759	-2.197	0.05367	0.145	-4.46	0.21127	none
RPS6	-0.219	-0.2015	-2.195	0.05379	0.145	-4.47	2.01699	none
MRPS36	-0.281	-0.3558	-2.195	0.05379	0.145	-4.47	0.3627	none
F2R	0.312	0.2006	2.1952	0.0538	0.145	-4.47	0.44046	none
OPRK1	0.216	0.137	2.1951	0.05381	0.145	-4.47	-0.827	none
VWA5A	-0.18	-0.1661	-2.195	0.05382	0.145	-4.47	1.10506	none
OR4K17	0.2	0.1314	2.1947	0.05384	0.145	-4.47	-1.4084	none
NOS3	0.318	0.3287	2.1943	0.05388	0.145	-4.47	0.99925	none
KIR3DX1	-0.228	-0.165	-2.194	0.05395	0.145	-4.47	1.26451	none
C14ORF11	-0.278	-0.2783	-2.194	0.05395	0.145	-4.47	1.44167	none
ENY2	-0.255	-0.2461	-2.193	0.054	0.145	-4.47	1.17486	none
HIGD2A	-0.265	-0.2981	-2.193	0.054	0.145	-4.47	1.08232	none
TTC13	0.559	0.5129	2.1926	0.05404	0.145	-4.47	-0.6739	none
NDUFB9	-0.429	-0.4346	-2.192	0.05405	0.145	-4.47	1.73273	none
MTFR1L	0.198	0.111	2.1925	0.05405	0.145	-4.47	0.44034	none
APOL1	0.587	0.5898	2.1919	0.0541	0.146	-4.47	-0.8454	none



LAP3	-0.211	-0.1759	-2.192	0.0541	0.146	-4.47	1.76098	none
BRF1	0.333	0.358	2.1918	0.05411	0.146	-4.47	-0.7668	none
CCDC102B	0.328	0.1874	2.1916	0.05412	0.146	-4.47	-0.8101	none
ASTE1	0.261	0.1991	2.1915	0.05413	0.146	-4.47	-0.3903	none
ADHFE1	0.608	0.4782	2.1915	0.05413	0.146	-4.47	-0.9519	none
PRKD2	0.356	0.3865	2.1912	0.05416	0.146	-4.47	-0.6559	none
OST4	-0.383	-0.4139	-2.191	0.05421	0.146	-4.47	1.76196	none
IFT172	0.342	0.2712	2.1899	0.05428	0.146	-4.48	-0.347	none
USP38	0.203	0.1432	2.189	0.05436	0.146	-4.48	1.73283	none
COPA	0.31	0.2902	2.189	0.05436	0.146	-4.48	-0.7307	none
PDPR	0.341	0.3303	2.1884	0.05442	0.146	-4.48	-0.4892	none
MRAS	0.385	0.1851	2.1875	0.0545	0.146	-4.48	-1.0893	none
TMEM131	0.627	0.7251	2.1874	0.05451	0.146	-4.48	0.40533	none
NCALD	0.431	0.2719	2.1871	0.05453	0.146	-4.48	-1.1788	none
UTY	0.349	0.2863	2.187	0.05454	0.146	-4.48	-0.6147	none
IDS	0.229	0.0906	2.187	0.05455	0.146	-4.48	0.15062	none
MRPL54	-0.296	-0.2611	-2.187	0.05456	0.146	-4.48	2.18505	AA-related
KCNH5	0.22	0.1742	2.1867	0.05457	0.146	-4.48	-0.1677	none
TF	0.421	0.2867	2.1866	0.05458	0.146	-4.48	-0.6385	none
CHKA	0.344	0.2744	2.1864	0.0546	0.146	-4.48	-0.1355	none
ELAC2	0.385	0.4096	2.1861	0.05463	0.147	-4.48	-0.8056	none
CD3D	-0.401	-0.4448	-2.186	0.05463	0.147	-4.48	1.62654	none
DRC7	0.204	0.1739	2.1848	0.05474	0.147	-4.48	-0.9566	none
GTPBP6	0.167	0.1408	2.1846	0.05476	0.147	-4.48	-0.4868	none
STK16	-0.375	-0.351	-2.184	0.05483	0.147	-4.48	1.77877	none
GGA3	0.433	0.459	2.1833	0.05488	0.147	-4.49	-0.5652	none
CPED1	0.263	0.2023	2.1833	0.05488	0.147	-4.49	-0.0428	none
ARID4B	0.572	0.632	2.1831	0.0549	0.147	-4.49	-0.2165	none
UBA52	-0.336	-0.3459	-2.183	0.05494	0.147	-4.49	1.83709	none
ELK3	0.496	0.469	2.1824	0.05496	0.147	-4.49	-0.9205	none
MIER3	-0.287	-0.2812	-2.182	0.055	0.147	-4.49	0.76087	none
C11ORF65	0.372	0.4219	2.1814	0.05505	0.147	-4.49	0.80989	none
ATL3	0.223	0.0243	2.181	0.05509	0.148	-4.49	0.20958	none
WDR91	0.458	0.3955	2.1807	0.05512	0.148	-4.49	-0.9413	none
RPL13A	-0.333	-0.3208	-2.18	0.05516	0.148	-4.49	1.65322	none
PTGER4	0.248	0.2395	2.1795	0.05523	0.148	-4.49	1.35589	none
ENOSF1	0.363	0.3281	2.179	0.05527	0.148	-4.49	-0.0942	none
CES4A	0.319	0.2412	2.1787	0.0553	0.148	-4.49	-0.4434	none
GABRA6	0.411	0.3153	2.1785	0.05532	0.148	-4.49	0.11635	none
SEC11A	-0.349	-0.3998	-2.178	0.05534	0.148	-4.49	1.77045	none

NFATC1	0.344	0.3086	2.178	0.05537	0.148	-4.49	0.14872	none
TAZ	0.22	0.1601	2.1779	0.05538	0.148	-4.49	0.75776	none
GCSH	0.231	0.1253	2.1778	0.05539	0.148	-4.49	0.09191	none
CNTD1	0.341	0.2622	2.1778	0.05539	0.148	-4.49	-0.4316	none
CCDC137	0.453	0.5297	2.1776	0.05541	0.148	-4.49	-0.3652	none
RARA	0.378	0.3517	2.1755	0.0556	0.149	-4.5	-0.6238	none
SNX19	0.462	0.4599	2.1741	0.05573	0.149	-4.5	-0.2324	none
RPUSD1	0.219	0.1966	2.174	0.05574	0.149	-4.5	0.85241	none
ALPK1	0.578	0.3913	2.1737	0.05577	0.149	-4.5	-0.9071	none
MYB	0.481	0.5094	2.1736	0.05577	0.149	-4.5	-0.6831	none
CENPE	0.282	0.1901	2.1735	0.05578	0.149	-4.5	0.02051	none
FUBP3	0.42	0.3753	2.1732	0.05582	0.149	-4.5	-0.9422	none
IQGAP1	0.765	0.7932	2.173	0.05583	0.149	-4.5	-0.9274	none
PAX1	0.378	0.2967	2.1729	0.05585	0.149	-4.5	0.24585	none
PTPN11	0.571	0.6096	2.1715	0.05598	0.149	-4.5	-0.4973	none
GPR26	0.153	0.1064	2.1714	0.05599	0.149	-4.5	-1.2235	none
AGA	-0.541	-0.4909	-2.171	0.05601	0.149	-4.5	1.74018	none
RPS10	-0.43	-0.4368	-2.171	0.05602	0.149	-4.5	1.48129	none
PLSCR1	-0.743	-0.6423	-2.171	0.05603	0.149	-4.51	2.15406	AA-related
LRRC43	0.42	0.3738	2.1707	0.05605	0.149	-4.51	-0.6386	none
IMPDH2	-0.222	-0.1699	-2.17	0.05611	0.15	-4.51	2.21283	AA-related
SPATA3	0.262	0.2862	2.1695	0.05616	0.15	-4.51	0.01167	none
CFL2	0.326	0.1781	2.1694	0.05617	0.15	-4.51	-0.1246	none
SULT6B1	-0.491	-0.3835	-2.169	0.0562	0.15	-4.51	2.07141	none
MPPED1	0.26	0.1955	2.1682	0.05629	0.15	-4.51	-0.334	none
IMP3	-0.327	-0.3211	-2.168	0.05631	0.15	-4.51	2.47358	AA-related
ZNF133	0.335	0.2941	2.1676	0.05634	0.15	-4.51	-1.0429	none
RPL37A	-0.443	-0.4608	-2.168	0.05635	0.15	-4.51	1.44832	none
ERVK3-1	-0.178	-0.1495	-2.167	0.05635	0.15	-4.51	0.7819	none
APBA1	0.238	0.1955	2.1674	0.05636	0.15	-4.51	-1.295	none
DCUN1D4	0.424	0.2931	2.1673	0.05637	0.15	-4.51	-0.0605	none
SEC22B	0.201	0.0835	2.1671	0.05639	0.15	-4.51	-0.9293	none
EGR3	0.252	0.2823	2.1669	0.05641	0.15	-4.51	-0.5817	none
RACK1	-0.36	-0.3708	-2.167	0.05642	0.15	-4.51	1.93437	none
HGS	0.468	0.5322	2.1662	0.05647	0.15	-4.51	-0.3573	none
HIST1H4G	0.467	0.467	2.1661	0.05648	0.15	-4.51	1.10751	none
DCAF4	0.364	0.2995	2.1657	0.05652	0.15	-4.51	-0.8578	none
UGT2A1	0.323	0.2539	2.165	0.05659	0.15	-4.51	-1.0008	none
DPF3	0.278	0.3119	2.1646	0.05662	0.151	-4.51	-0.1838	none
CREBBP	0.542	0.6435	2.1644	0.05664	0.151	-4.52	-0.398	none

SCNM1	0.242	0.1466	2.1643	0.05665	0.151	-4.52	-0.8243	none
GP1BA	0.262	0.1725	2.1641	0.05667	0.151	-4.52	-0.8313	none
KCNK12	-0.161	-0.1335	-2.164	0.05671	0.151	-4.52	1.84419	none
SNX30	0.334	0.3007	2.1633	0.05674	0.151	-4.52	-0.8904	none
TRAF4	-0.362	-0.19	-2.163	0.05676	0.151	-4.52	1.57006	none
RPS6KA2	0.225	0.2359	2.1622	0.05685	0.151	-4.52	0.77052	none
KRT7	-0.544	-0.3943	-2.162	0.05687	0.151	-4.52	#####	none
INPP5D	0.487	0.4919	2.1619	0.05688	0.151	-4.52	-0.5628	none
ZNF583	0.515	0.3415	2.1617	0.05689	0.151	-4.52	-0.836	none
SPX	0.171	0.1585	2.1613	0.05693	0.151	-4.52	0.89985	none
CYTH1	0.328	0.3447	2.1611	0.05695	0.151	-4.52	-0.3347	none
CDC45	-0.252	-0.2375	-2.16	0.05707	0.151	-4.52	2.26225	AA-related
SOX11	0.169	0.1216	2.1598	0.05707	0.151	-4.52	-1.106	none
C4ORF33	0.456	0.2627	2.1598	0.05708	0.151	-4.52	-0.446	none
EEF1B2	-0.361	-0.39	-2.16	0.05709	0.151	-4.52	1.48566	none
C6ORF136	-0.945	-0.8351	-2.159	0.05715	0.152	-4.52	1.0346	none
RPTOR	0.608	0.6475	2.1589	0.05717	0.152	-4.52	-1.1596	none
ZMYM5	0.393	0.2626	2.1574	0.05731	0.152	-4.53	-0.5027	none
FBL	-0.228	-0.198	-2.157	0.05738	0.152	-4.53	2.22328	AA-related
ELMO2	0.38	0.3588	2.1565	0.0574	0.152	-4.53	-0.7548	none
RPL27A	-0.464	-0.5001	-2.156	0.05741	0.152	-4.53	1.29722	none
GPATCH2	0.289	0.2245	2.1563	0.05741	0.152	-4.53	-0.3082	none
FAM3D	0.196	0.1956	2.1559	0.05745	0.152	-4.53	-0.5356	none
LPAR3	0.236	0.1194	2.1556	0.05748	0.152	-4.53	-0.6698	none
ATP2B3	-0.193	-0.147	-2.155	0.05751	0.152	-4.53	0.55353	none
NRSN1	0.318	0.1993	2.155	0.05753	0.152	-4.53	-0.8653	none
ROMO1	-0.444	-0.4258	-2.155	0.05756	0.152	-4.53	1.80376	none
SKAP2	0.352	0.3669	2.1545	0.05758	0.152	-4.53	-0.035	none
NR1H2	0.236	0.176	2.1542	0.05761	0.152	-4.53	-1.4014	none
GSTM1	0.229	0.1346	2.1541	0.05763	0.152	-4.53	-0.2825	none
FCHSD1	0.421	0.4408	2.1541	0.05763	0.152	-4.53	-0.7679	none
TEX35	0.44	0.3884	2.1531	0.05772	0.153	-4.53	-0.8091	none
ANKRD20A	0.188	0.1571	2.1529	0.05774	0.153	-4.53	-0.8586	none
KCTD13	0.284	0.2599	2.1528	0.05774	0.153	-4.53	-0.7384	none
RNF166	0.251	0.2234	2.1526	0.05776	0.153	-4.53	1.07208	none
PEF1	-0.265	-0.2665	-2.152	0.05779	0.153	-4.53	2.07731	none
RNF125	0.507	0.4378	2.1523	0.0578	0.153	-4.53	-1.0735	none
SNRPD2	-0.226	-0.198	-2.152	0.05783	0.153	-4.53	0.82923	none
SNED1	0.456	0.3631	2.1518	0.05784	0.153	-4.53	-0.0948	none
FOLR3	0.357	0.2832	2.1517	0.05785	0.153	-4.53	-0.5748	none

LTK	-0.198	-0.1539	-2.152	0.05785	0.153	-4.53	0.185	none
TIAL1	0.236	0.1104	2.1512	0.0579	0.153	-4.54	-0.8694	none
SLC7A14	0.642	0.4423	2.151	0.05792	0.153	-4.54	-0.85	none
PML	0.399	0.4015	2.1507	0.05795	0.153	-4.54	-0.2156	none
DENND4A	0.647	0.5884	2.1506	0.05796	0.153	-4.54	-0.6308	none
C17ORF53	0.315	0.3337	2.1505	0.05797	0.153	-4.54	0.52435	none
HCST	-0.306	-0.3214	-2.15	0.05797	0.153	-4.54	1.71992	none
TM9SF3	0.339	0.2463	2.1504	0.05797	0.153	-4.54	1.0456	none
LNPEP	0.276	0.1984	2.1497	0.05805	0.153	-4.54	0.65061	none
SFT2D2	0.336	0.1976	2.1495	0.05807	0.153	-4.54	-0.6356	none
VPS29	-0.288	-0.3213	-2.149	0.05809	0.153	-4.54	0.73014	none
BLOC1S4	-0.342	-0.2251	-2.149	0.05813	0.153	-4.54	0.91389	none
CBR1	-0.244	-0.2247	-2.149	0.05814	0.153	-4.54	2.16765	AA-related
DISP3	0.235	0.2005	2.1484	0.05817	0.153	-4.54	-1.1804	none
SRI	-0.326	-0.3369	-2.148	0.05818	0.153	-4.54	1.46925	none
COMMD6	-0.452	-0.4547	-2.148	0.0582	0.153	-4.54	2.13066	AA-related
ZFYVE28	0.311	0.2333	2.148	0.05821	0.153	-4.54	-0.2824	none
NCF2	0.521	0.4411	2.1478	0.05823	0.153	-4.54	-0.8528	none
SLC27A2	-0.273	-0.2291	-2.148	0.05823	0.153	-4.54	0.81369	none
KIAA2026	-0.331	-0.1869	-2.147	0.05828	0.153	-4.54	1.37131	none
ADAMTS6	0.196	0.1743	2.1473	0.05828	0.153	-4.54	-0.4077	none
BFSP1	0.195	0.1793	2.1472	0.05829	0.153	-4.54	-0.4682	none
PTPN18	0.545	0.5542	2.1467	0.05834	0.154	-4.54	-0.4995	none
PPP2R3C	0.211	0.1419	2.1466	0.05835	0.154	-4.54	0.49237	none
HYAL4	0.504	0.3323	2.1465	0.05836	0.154	-4.54	-0.6496	none
ZBTB37	0.286	0.2248	2.1462	0.05839	0.154	-4.54	-0.0605	none
POLR2D	0.184	0.135	2.1451	0.0585	0.154	-4.55	-1.3576	none
CALCB	-0.249	-0.2674	-2.145	0.05852	0.154	-4.55	0.07782	none
ALMS1	0.443	0.4904	2.1436	0.05864	0.154	-4.55	-0.2328	none
MORN2	-0.513	-0.5876	-2.144	0.05864	0.154	-4.55	0.9337	none
SPIN4	0.213	0.1517	2.1435	0.05865	0.154	-4.55	-0.6256	none
TMEM38B	-0.321	-0.3341	-2.143	0.05867	0.154	-4.55	0.68823	none
MAP4	0.692	0.7765	2.1432	0.05868	0.154	-4.55	-0.4265	none
ZNF841	0.547	0.4367	2.143	0.0587	0.154	-4.55	0.10635	none
RPS6KA4	0.233	0.2346	2.1428	0.05871	0.154	-4.55	-0.9364	none
ARL5A	0.311	0.194	2.1427	0.05873	0.154	-4.55	0.17974	none
LMX1B	0.246	0.1612	2.1424	0.05875	0.154	-4.55	-1.2058	none
S100A5	-0.385	-0.2699	-2.142	0.05878	0.154	-4.55	0.74118	none
OCEL1	0.351	0.1537	2.1419	0.0588	0.154	-4.55	-0.6597	none
LDAH	0.325	0.2651	2.1417	0.05883	0.154	-4.55	-0.8479	none

UBA1	0.287	0.2807	2.1416	0.05884	0.154	-4.55	-0.8034	none
PCSK4	-0.295	-0.2525	-2.141	0.05893	0.155	-4.55	0.77695	none
RAB11B	0.295	0.2119	2.1405	0.05895	0.155	-4.55	-0.2469	none
ADD1	0.366	0.3675	2.1401	0.05898	0.155	-4.55	-0.9735	none
ARGLU1	0.306	0.2779	2.1398	0.05901	0.155	-4.55	0.35732	none
MUC13	0.263	0.2698	2.1391	0.05909	0.155	-4.55	-0.6999	none
SAT1	-0.193	-0.1995	-2.139	0.05909	0.155	-4.55	0.11322	none
HUS1B	-0.165	-0.1136	-2.139	0.0591	0.155	-4.55	1.2031	none
LHFPL4	0.335	0.332	2.1385	0.05915	0.155	-4.56	0.56722	none
PAK1	0.365	0.3655	2.1381	0.05918	0.155	-4.56	-0.0982	none
ZNF444	0.443	0.3542	2.1375	0.05924	0.155	-4.56	-0.902	none
PDGFA	0.416	0.4263	2.1367	0.05932	0.155	-4.56	-0.1762	none
GNB1	0.264	0.2365	2.1366	0.05933	0.155	-4.56	-0.3322	none
CRLS1	0.3	0.2349	2.1364	0.05935	0.155	-4.56	-0.1194	none
ALS2CL	0.291	0.2547	2.1364	0.05935	0.155	-4.56	0.08944	none
PDPN	0.244	0.1419	2.1362	0.05936	0.155	-4.56	-0.4731	none
ZNF165	0.422	0.3928	2.1358	0.05941	0.156	-4.56	-0.6932	none
LPGAT1	0.213	0.1499	2.1354	0.05945	0.156	-4.56	0.27467	none
ZKSCAN2	0.324	0.2902	2.1352	0.05947	0.156	-4.56	-1.0345	none
GNA12	-0.198	-0.0273	-2.135	0.05951	0.156	-4.56	0.79085	none
SHBG	-0.645	-0.5008	-2.134	0.05955	0.156	-4.56	0.71545	none
RDH10	0.279	0.1334	2.1343	0.05956	0.156	-4.56	-1.0721	none
UTP11	0.196	0.1699	2.1339	0.0596	0.156	-4.56	-0.7117	none
HIKESHI	-0.502	-0.5219	-2.134	0.05964	0.156	-4.56	1.59739	none
GOLIM4	0.334	0.3989	2.1334	0.05965	0.156	-4.56	-0.0568	none
ST3GAL1	0.306	0.3107	2.1333	0.05966	0.156	-4.56	0.53799	none
ACAP1	0.24	0.1741	2.1327	0.05972	0.156	-4.56	-0.6402	none
FAAP100	0.283	0.2777	2.1324	0.05974	0.156	-4.57	0.21087	none
GYPC	-0.317	-0.2879	-2.132	0.05978	0.156	-4.57	1.03672	none
TSSK3	0.294	0.239	2.1317	0.05982	0.156	-4.57	-0.4438	none
CLINT1	0.384	0.3876	2.1315	0.05984	0.156	-4.57	-0.2494	none
RAB8B	-0.293	-0.3167	-2.131	0.0599	0.156	-4.57	0.6769	none
APIP	-0.368	-0.3743	-2.131	0.05991	0.156	-4.57	1.22795	none
BAZ2A	0.575	0.5885	2.1307	0.05991	0.156	-4.57	-0.4376	none
MYO9A	0.662	0.5958	2.1305	0.05993	0.156	-4.57	0.03445	none
SLC46A1	0.67	0.5445	2.1299	0.05999	0.157	-4.57	-1.1189	none
CEACAM8	0.332	0.218	2.1299	0.06	0.157	-4.57	-0.9278	none
ADAR	0.729	0.7471	2.1297	0.06001	0.157	-4.57	-0.7898	none
IMPG2	0.232	0.1726	2.1294	0.06004	0.157	-4.57	-1.1861	none
GPR160	0.268	0.1696	2.1289	0.06009	0.157	-4.57	-0.5951	none

TRAP1	0.225	0.2008	2.1288	0.06011	0.157	-4.57	-0.2798	none
CKLF	-0.377	-0.3952	-2.129	0.06012	0.157	-4.57	0.95216	none
NMRK2	0.191	0.191	2.1284	0.06014	0.157	-4.57	1.38882	none
PPM1B	0.3	0.2195	2.1284	0.06015	0.157	-4.57	-0.1212	none
GFM2	0.36	0.2536	2.1282	0.06016	0.157	-4.57	0.56695	none
MORN5	0.355	0.3947	2.1279	0.06019	0.157	-4.57	0.12302	none
ERBIN	0.6	0.6531	2.1278	0.06021	0.157	-4.57	0.1944	none
MBD1	0.349	0.3778	2.1277	0.06022	0.157	-4.57	0.25639	none
TMEM129	0.211	0.236	2.1276	0.06023	0.157	-4.57	-1.0288	none
HLA-DOB	0.217	0.202	2.1275	0.06023	0.157	-4.57	0.3002	none
GOT1	-0.197	-0.1864	-2.127	0.06025	0.157	-4.57	1.28349	none
MDH1	-0.212	-0.2067	-2.127	0.06029	0.157	-4.57	0.45269	none
SLC9A9	-0.385	-0.5018	-2.126	0.06036	0.157	-4.57	0.6018	none
TGFBR3	0.338	0.293	2.1262	0.06036	0.157	-4.57	1.22098	none
QSOX2	0.396	0.3643	2.1261	0.06037	0.157	-4.57	-1.1345	none
NCSTN	0.22	0.1444	2.126	0.06038	0.157	-4.57	-0.7779	none
SEL1L	0.419	0.3743	2.1258	0.0604	0.157	-4.58	-0.4991	none
CPNE8	0.404	0.3131	2.1257	0.06041	0.157	-4.58	-1.168	none
RPL7	-0.24	-0.2363	-2.126	0.06043	0.157	-4.58	1.77237	none
PXMP4	0.36	0.2004	2.1255	0.06044	0.157	-4.58	-0.2192	none
MSLN	-0.222	-0.1381	-2.125	0.06049	0.157	-4.58	0.70739	none
LRRC42	-0.189	-0.0902	-2.125	0.06052	0.157	-4.58	2.47487	AA-related
F11R	0.381	0.2379	2.1244	0.06055	0.157	-4.58	-0.8956	none
NDUFC2	-0.42	-0.402	-2.124	0.06055	0.157	-4.58	1.72285	none
SLC13A2	-0.189	-0.132	-2.124	0.06057	0.157	-4.58	0.7205	none
SCML4	0.302	0.2435	2.1242	0.06057	0.157	-4.58	0.04249	none
BRMS1L	-0.247	-0.2527	-2.124	0.06061	0.157	-4.58	0.7189	none
ZNF286B	0.503	0.491	2.1233	0.06066	0.158	-4.58	-0.8805	none
TMEM87A	0.201	0.0706	2.123	0.06069	0.158	-4.58	0.30893	none
OPTC	0.182	0.1824	2.1227	0.06072	0.158	-4.58	0.87864	none
TRIM33	0.524	0.5041	2.1224	0.06075	0.158	-4.58	-0.2667	none
RPL10A	-0.299	-0.2918	-2.122	0.06077	0.158	-4.58	2.04521	none
FBXO5	0.198	0.1753	2.122	0.06079	0.158	-4.58	-0.1322	none
PANK1	0.412	0.2961	2.1217	0.06082	0.158	-4.58	0.0406	none
PFDN4	-0.246	-0.3225	-2.122	0.06082	0.158	-4.58	0.92347	none
SMARCD2	-0.215	-0.105	-2.121	0.06093	0.158	-4.58	1.52237	none
MFSD2B	0.211	0.1664	2.1204	0.06095	0.158	-4.58	-1.0926	none
ARHGEF4C	0.221	0.1822	2.1203	0.06096	0.158	-4.58	-1.1152	none
UCK2	-0.241	-0.1048	-2.12	0.06098	0.158	-4.58	0.82849	none
E2F6	0.26	0.1831	2.1199	0.061	0.158	-4.58	0.9591	none

MYBL1	0.266	0.2275	2.1199	0.061	0.158	-4.58	0.34426	none
ZNF213	0.318	0.323	2.1195	0.06105	0.158	-4.59	0.82633	none
NHLRC2	0.263	0.1862	2.1186	0.06113	0.158	-4.59	-0.6539	none
SMIM2	0.358	0.2897	2.1186	0.06114	0.158	-4.59	0.02598	none
AFF1	0.556	0.5699	2.1182	0.06117	0.158	-4.59	-0.5864	none
RPS8	-0.281	-0.2832	-2.118	0.06118	0.158	-4.59	1.74349	none
CPEB1	0.273	0.2346	2.1181	0.06118	0.158	-4.59	-0.8127	none
SERPINI2	0.34	0.2471	2.1181	0.06119	0.158	-4.59	-0.5524	none
EBP	-0.285	-0.281	-2.118	0.06123	0.159	-4.59	1.03087	none
PMEPA1	0.312	0.2776	2.1175	0.06124	0.159	-4.59	0.60112	none
CMKLR1	0.314	0.2772	2.1174	0.06126	0.159	-4.59	0.94506	none
DAW1	0.308	0.1924	2.1174	0.06126	0.159	-4.59	-0.0219	none
GMEB2	0.271	0.2654	2.1173	0.06126	0.159	-4.59	-0.5073	none
GFOD2	0.318	0.2132	2.1159	0.06141	0.159	-4.59	-1.168	none
NRN1L	0.238	0.2492	2.1156	0.06144	0.159	-4.59	-0.0366	none
FLOT1	-0.478	-0.2959	-2.115	0.06155	0.159	-4.59	1.93451	none
DSC2	0.268	0.1919	2.1143	0.06158	0.159	-4.59	-1.0206	none
KIF15	0.439	0.5193	2.1138	0.06162	0.159	-4.59	-0.1485	none
CALN1	0.214	0.1968	2.1138	0.06162	0.159	-4.59	0.4143	none
RBM41	0.471	0.4064	2.1136	0.06165	0.159	-4.59	-0.4086	none
TMEM127	0.311	0.2236	2.1132	0.06168	0.159	-4.59	-0.4001	none
CKB	-0.56	-0.5385	-2.113	0.06169	0.159	-4.6	0.15246	none
SEH1L	0.295	0.1556	2.113	0.0617	0.159	-4.6	-0.3188	none
EIF2AK1	0.37	0.3246	2.1118	0.06183	0.16	-4.6	0.22443	none
RFX1	0.628	0.6047	2.1114	0.06187	0.16	-4.6	-1.0916	none
ERCC5	0.62	0.6322	2.1114	0.06187	0.16	-4.6	-0.6544	none
HYDIN	0.565	0.4576	2.1107	0.06194	0.16	-4.6	-1.0902	none
ARL17A	0.308	0.3099	2.1105	0.06196	0.16	-4.6	-0.7095	none
SVEP1	0.162	0.1196	2.1099	0.06202	0.16	-4.6	-1.3851	none
DHFR2	0.376	0.2846	2.1096	0.06205	0.16	-4.6	-1.1603	none
MSX1	0.163	0.1827	2.1094	0.06207	0.16	-4.6	0.75046	none
SH3BP2	0.286	0.3429	2.1088	0.06214	0.16	-4.6	-0.0501	none
HAGH	0.357	0.2348	2.1083	0.06219	0.16	-4.6	-0.7654	none
PCM1	0.799	0.8494	2.1082	0.0622	0.16	-4.6	-0.5681	none
PURB	0.372	0.3411	2.1078	0.06224	0.16	-4.6	-0.9425	none
EEA1	0.438	0.4896	2.1077	0.06225	0.161	-4.6	-0.7671	none
NEDD8	-0.232	-0.2262	-2.107	0.06229	0.161	-4.6	0.94845	none
NPIPA8	0.455	0.3903	2.1071	0.06232	0.161	-4.6	-0.9807	none
XCL2	-0.338	-0.2626	-2.107	0.06234	0.161	-4.6	0.49524	none
TMEM163	-0.149	-0.121	-2.107	0.06236	0.161	-4.6	0.05229	none

SORCS2	-0.338	-0.2488	-2.107	0.06237	0.161	-4.61	1.24618	none
OMA1	0.227	0.0675	2.1066	0.06237	0.161	-4.61	0.22648	none
RPL26	-0.313	-0.3479	-2.107	0.06237	0.161	-4.61	1.44013	none
LRCOL1	0.316	0.2347	2.1065	0.06238	0.161	-4.61	0.35996	none
CLTA	-0.26	-0.2386	-2.106	0.0624	0.161	-4.61	2.10395	AA-related
GLO1	-0.239	-0.2746	-2.106	0.0624	0.161	-4.61	1.2974	none
CREBZF	0.216	0.2269	2.1062	0.06241	0.161	-4.61	0.03819	none
IQGAP3	0.224	0.213	2.1059	0.06244	0.161	-4.61	-1.0067	none
ATP6V1A	0.183	0.0943	2.1058	0.06244	0.161	-4.61	-0.5644	none
TUBB3	0.321	0.2359	2.1057	0.06245	0.161	-4.61	-0.7659	none
ERLIN1	-0.222	-0.1578	-2.106	0.06247	0.161	-4.61	2.34133	AA-related
S100A6	-0.422	-0.4318	-2.105	0.06249	0.161	-4.61	1.80985	none
SYCE2	0.493	0.2785	2.1054	0.06249	0.161	-4.61	0.0988	none
RPL39	-0.543	-0.6106	-2.104	0.06266	0.161	-4.61	1.97363	none
DNAJB13	0.457	0.3581	2.1035	0.06269	0.161	-4.61	-1.3004	none
DPYD	0.25	0.1943	2.1028	0.06276	0.161	-4.61	0.19732	none
IGSF22	0.218	0.1379	2.1027	0.06277	0.161	-4.61	0.3916	none
ARL6IP1	-0.318	-0.3579	-2.102	0.06283	0.161	-4.61	1.9152	none
AGRN	0.351	0.2839	2.102	0.06284	0.161	-4.61	-0.8785	none
GPR3	0.275	0.2027	2.1017	0.06287	0.162	-4.61	-0.3484	none
THOC2	0.621	0.6926	2.1017	0.06288	0.162	-4.61	-0.2841	none
ZNF174	0.241	0.1859	2.1014	0.06291	0.162	-4.61	-1.0946	none
PAAF1	0.271	0.1171	2.101	0.06294	0.162	-4.61	-0.6523	none
DAZAP1	0.299	0.3162	2.101	0.06295	0.162	-4.61	-0.9127	none
NOTCH1	0.484	0.5438	2.1007	0.06298	0.162	-4.61	-0.7581	none
TUB	0.213	0.2049	2.1005	0.063	0.162	-4.61	-0.1497	none
CD80	0.383	0.217	2.0996	0.0631	0.162	-4.62	0.23039	none
CTNND2	-0.256	-0.2053	-2.099	0.06311	0.162	-4.62	2.22677	AA-related
TMBIM4	-0.327	-0.3772	-2.099	0.06314	0.162	-4.62	1.12894	none
MAL2	-0.254	-0.2632	-2.099	0.06315	0.162	-4.62	1.59001	none
GATC	0.352	0.3104	2.099	0.06315	0.162	-4.62	-1.2109	none
CAPN3	0.362	0.3144	2.099	0.06316	0.162	-4.62	0.50215	none
IRF2BP2	0.334	0.2701	2.0984	0.06322	0.162	-4.62	-1.0636	none
ATP2C1	0.242	0.1645	2.0983	0.06324	0.162	-4.62	0.56782	none
AL354822.	0.24	0.2111	2.0981	0.06326	0.162	-4.62	-1.4135	none
NLE1	0.233	0.2407	2.097	0.06337	0.162	-4.62	0.68911	none
GEN1	0.485	0.5526	2.0964	0.06343	0.163	-4.62	0.64337	none
MBLAC2	0.234	0.2026	2.0964	0.06343	0.163	-4.62	0.36678	none
C1ORF54	0.474	0.3855	2.0961	0.06346	0.163	-4.62	-0.558	none
CCDC114	0.312	0.2817	2.0959	0.06348	0.163	-4.62	-0.7244	none



FBXL5	-0.297	-0.3067	-2.096	0.06348	0.163	-4.62	1.33421	none
S100A4	-0.642	-0.7168	-2.096	0.0635	0.163	-4.62	1.6017	none
SLC41A2	0.259	0.1335	2.0953	0.06355	0.163	-4.62	-0.4411	none
SHCBP1	0.254	0.1962	2.0949	0.06359	0.163	-4.62	-0.4068	none
NDUFV2	-0.287	-0.2926	-2.095	0.0636	0.163	-4.62	0.47728	none
P4HA2	0.632	0.5536	2.0944	0.06364	0.163	-4.62	-0.9712	none
CYP1B1	-0.307	-0.2418	-2.094	0.06367	0.163	-4.62	0.13729	none
CDC16	0.26	0.2095	2.0939	0.0637	0.163	-4.62	0.15703	none
KCNA3	0.271	0.2293	2.0935	0.06374	0.163	-4.63	0.00855	none
HNRNPC	-0.176	-0.1434	-2.093	0.06374	0.163	-4.63	1.17381	none
RPLP0	-0.333	-0.3277	-2.093	0.06375	0.163	-4.63	1.07481	none
RHOJ	0.225	0.1604	2.0929	0.0638	0.163	-4.63	-0.9907	none
RDH12	0.33	0.2542	2.0919	0.06391	0.163	-4.63	-1.1136	none
MED23	0.397	0.3181	2.0917	0.06393	0.163	-4.63	-0.8213	none
KMT2B	0.449	0.5554	2.0911	0.064	0.164	-4.63	0.06542	none
DNMT3A	0.306	0.3194	2.0911	0.064	0.164	-4.63	-0.0301	none
BCAN	0.522	0.4571	2.0909	0.06401	0.164	-4.63	0.71275	none
GPR4	0.235	0.1534	2.0904	0.06406	0.164	-4.63	-1.4157	none
PRRG1	0.236	0.1824	2.0904	0.06407	0.164	-4.63	-0.5597	none
MCM8	0.438	0.4406	2.0901	0.0641	0.164	-4.63	-1.0777	none
EXOC3L1	-0.172	-0.1683	-2.09	0.0641	0.164	-4.63	-0.2289	none
OSBPL3	0.357	0.3278	2.0894	0.06417	0.164	-4.63	-0.8218	none
RBPJL	-0.189	-0.1245	-2.089	0.06418	0.164	-4.63	0.25699	none
SEMA4G	0.239	0.2506	2.0892	0.06419	0.164	-4.63	1.29656	none
AGMO	0.497	0.3185	2.089	0.06422	0.164	-4.63	-1.1602	none
COX5A	-0.296	-0.2925	-2.088	0.06428	0.164	-4.63	1.77543	none
DONSON	0.393	0.3159	2.0879	0.06433	0.164	-4.63	0.34288	none
KRTCAP2	-0.472	-0.4931	-2.088	0.06436	0.164	-4.63	1.5658	none
ASIC4	0.151	0.1207	2.0876	0.06436	0.164	-4.63	-1.1571	none
MRPL33	-0.32	-0.3306	-2.088	0.06437	0.164	-4.63	1.21277	none
ZNF491	0.28	0.1888	2.0875	0.06438	0.164	-4.63	0.07178	none
TMIGD3	-0.258	-0.2526	-2.087	0.06442	0.164	-4.64	0.54856	none
FHOD3	0.284	0.2096	2.0865	0.06448	0.164	-4.64	-1.014	none
NDN	-0.225	-0.1769	-2.086	0.06449	0.164	-4.64	1.48309	none
HEATR3	0.455	0.4594	2.0864	0.0645	0.164	-4.64	0.12676	none
MAK	0.254	0.2416	2.0858	0.06456	0.164	-4.64	-0.6478	none
FKBP1A	-0.292	-0.2949	-2.086	0.06458	0.164	-4.64	1.94065	none
PDS5A	0.455	0.4471	2.0851	0.06463	0.165	-4.64	-0.8863	none
DHH	0.241	0.1679	2.0849	0.06465	0.165	-4.64	-1.2552	none
ADAMTSL1	0.268	0.189	2.0849	0.06465	0.165	-4.64	-1.4607	none

CAB39L	0.294	0.1647	2.0849	0.06465	0.165	-4.64	-0.1794	none
C1ORF194	0.218	0.1793	2.0847	0.06467	0.165	-4.64	0.82531	none
CEP152	0.685	0.5625	2.0846	0.06469	0.165	-4.64	-0.9776	none
INCENP	0.498	0.6415	2.0844	0.06471	0.165	-4.64	-0.1942	none
PKN2	0.447	0.4223	2.0843	0.06472	0.165	-4.64	-0.8098	none
FOXO1	0.396	0.3379	2.0841	0.06474	0.165	-4.64	-0.3727	none
RPS20	-0.456	-0.4816	-2.084	0.06479	0.165	-4.64	1.06939	none
MSRB3	0.581	0.3108	2.0833	0.06483	0.165	-4.64	-1.0118	none
CHMP2B	-0.289	-0.251	-2.083	0.06489	0.165	-4.64	1.37117	none
SRSF10	0.173	0.0871	2.0825	0.06491	0.165	-4.64	-0.0836	none
CDHR2	0.254	0.2214	2.0823	0.06493	0.165	-4.64	0.3994	none
RAP1A	-0.283	-0.3049	-2.082	0.06493	0.165	-4.64	1.38843	none
GALNT11	0.217	0.1713	2.0822	0.06494	0.165	-4.64	0.6371	none
ZIK1	0.212	0.1334	2.0816	0.06501	0.165	-4.64	0.54842	none
PPP1R36	0.261	0.1327	2.0815	0.06502	0.165	-4.64	-0.5348	none
PSMA3	-0.289	-0.3288	-2.081	0.06512	0.165	-4.65	1.03407	none
TMEM206	-0.457	-0.3571	-2.08	0.06513	0.165	-4.65	2.07118	none
TCHP	0.543	0.5523	2.0804	0.06514	0.165	-4.65	-0.8535	none
NLRP11	0.276	0.2064	2.0804	0.06514	0.165	-4.65	-1.2603	none
CREB5	0.493	0.3602	2.0799	0.06519	0.165	-4.65	-1.1756	none
ZBTB38	0.631	0.6312	2.0798	0.06521	0.165	-4.65	0.11609	none
ING4	-0.356	-0.3375	-2.08	0.06522	0.165	-4.65	0.18386	none
METTL3	0.229	0.1675	2.0794	0.06524	0.165	-4.65	-0.6322	none
TMEM50A	-0.337	-0.3808	-2.079	0.06524	0.165	-4.65	1.06339	none
NDUFA12	-0.251	-0.2602	-2.079	0.06526	0.165	-4.65	0.15961	none
GCH1	-0.313	-0.3127	-2.079	0.06526	0.165	-4.65	1.7481	none
TCEA1	-0.191	-0.1797	-2.079	0.06528	0.166	-4.65	1.7279	none
ERVMER3 <sup>d</sup>	0.344	0.2537	2.0789	0.0653	0.166	-4.65	0.71737	none
CLC	-0.29	-0.3936	-2.079	0.06531	0.166	-4.65	0.17406	none
HECTD3	0.311	0.3145	2.0785	0.06534	0.166	-4.65	0.31412	none
POLR2J	-0.3	-0.2676	-2.079	0.06534	0.166	-4.65	2.20959	AA-related
IFIH1	0.558	0.5877	2.0783	0.06536	0.166	-4.65	-0.0593	none
POLR1E	0.298	0.3157	2.0769	0.06552	0.166	-4.65	-0.3654	none
ZNF92	0.397	0.3501	2.0765	0.06556	0.166	-4.65	-0.0747	none
SAR1B	0.269	0.0802	2.0763	0.06558	0.166	-4.65	-0.6236	none
TRAF2	0.254	0.2407	2.0763	0.06558	0.166	-4.65	-0.9203	none
INPP4A	0.383	0.3495	2.0761	0.0656	0.166	-4.65	-0.423	none
CXORF21	0.182	0.1125	2.0755	0.06567	0.166	-4.65	0.14826	none
ERAS	0.161	0.1661	2.0754	0.06568	0.166	-4.65	0.05986	none
RNF111	0.667	0.5871	2.0749	0.06573	0.166	-4.65	-0.6494	none

SNTG2	0.487	0.3627	2.0747	0.06576	0.166	-4.65	-1.186	none
PELI1	0.3	0.174	2.0746	0.06577	0.166	-4.65	-0.1336	none
UBE2Q1	-0.309	-0.1658	-2.074	0.06588	0.167	-4.66	1.53623	none
F7	0.305	0.3024	2.0735	0.06589	0.167	-4.66	-0.2873	none
MAST2	0.397	0.4272	2.073	0.06594	0.167	-4.66	-0.2375	none
KLF4	0.316	0.2227	2.0729	0.06596	0.167	-4.66	-0.8173	none
CDC40	0.703	0.5402	2.0719	0.06606	0.167	-4.66	-0.8025	none
PATE2	0.351	0.2451	2.0719	0.06607	0.167	-4.66	-1.3521	none
FAM102B	0.222	0.2298	2.0717	0.06609	0.167	-4.66	0.21674	none
GDNF	0.181	0.1292	2.0713	0.06613	0.167	-4.66	-1.0683	none
SSR4	-0.449	-0.4552	-2.071	0.06613	0.167	-4.66	1.4453	none
STAU1	0.408	0.4292	2.0712	0.06614	0.167	-4.66	-0.9117	none
SSX5	-0.459	-0.3761	-2.071	0.06616	0.167	-4.66	1.67207	none
CCL27	0.225	0.221	2.0707	0.06619	0.167	-4.66	0.10719	none
SCAF11	0.563	0.6212	2.0706	0.06621	0.167	-4.66	-0.5828	none
PCF11	0.416	0.419	2.0701	0.06626	0.167	-4.66	-0.3504	none
KLHL21	0.238	0.2237	2.0697	0.06631	0.167	-4.66	-0.3737	none
XIRP1	0.567	0.7489	2.0694	0.06634	0.167	-4.66	-0.4769	none
GDPD2	0.219	0.1729	2.0688	0.0664	0.168	-4.66	0.26649	none
DOHH	0.267	0.2676	2.068	0.06649	0.168	-4.66	0.20489	none
IL3RA	-0.208	-0.2335	-2.068	0.06652	0.168	-4.67	1.27494	none
PCGF1	0.264	0.1878	2.0677	0.06653	0.168	-4.67	-0.5447	none
MTR	0.638	0.6441	2.0676	0.06653	0.168	-4.67	-0.4813	none
SPEN	0.594	0.7684	2.0676	0.06654	0.168	-4.67	-0.4606	none
ERVV-2	0.249	0.1888	2.067	0.0666	0.168	-4.67	-0.8816	none
FAM89B	-0.451	-0.3482	-2.067	0.06661	0.168	-4.67	1.99656	none
CYSLTR2	-0.334	-0.2595	-2.067	0.06664	0.168	-4.67	0.23564	none
TMEM11	-0.207	-0.1813	-2.067	0.06665	0.168	-4.67	1.54342	none
HLA-DPA1	0.26	0.1452	2.0665	0.06666	0.168	-4.67	-0.6282	none
RPL35	-0.312	-0.2942	-2.066	0.06672	0.168	-4.67	0.75998	none
BIRC3	0.365	0.3689	2.0658	0.06674	0.168	-4.67	-0.9341	none
RNF216	0.429	0.4759	2.0655	0.06677	0.168	-4.67	-0.7071	none
OGFOD2	0.291	0.2507	2.0652	0.0668	0.168	-4.67	-1.0305	none
PTRH1	0.322	0.1959	2.0651	0.06681	0.168	-4.67	-0.9683	none
MAGEA4	-0.184	-0.1632	-2.065	0.06682	0.168	-4.67	1.69427	none
RPL28	-0.414	-0.4412	-2.065	0.06686	0.168	-4.67	2.08357	none
SP110	0.68	0.707	2.0641	0.06693	0.168	-4.67	-0.274	none
IK	0.626	0.6112	2.064	0.06694	0.168	-4.67	-0.5784	none
MYO18A	0.506	0.557	2.0636	0.06698	0.168	-4.67	-0.3198	none
N6AMT1	-0.286	-0.3303	-2.063	0.06699	0.169	-4.67	1.54196	none

IST1	0.183	0.1028	2.0634	0.067	0.169	-4.67	-0.7255	none
TUBB2A	0.314	0.2013	2.063	0.06705	0.169	-4.67	-0.0762	none
AK4	-0.309	-0.2215	-2.063	0.06708	0.169	-4.67	1.70516	none
SVIL	0.741	0.7229	2.0626	0.06709	0.169	-4.67	0.12413	none
TMEM258	-0.41	-0.4069	-2.062	0.06714	0.169	-4.67	1.41791	none
PODXL	0.313	0.2751	2.0619	0.06717	0.169	-4.67	1.3517	none
PEBP1	-0.189	-0.1612	-2.061	0.06722	0.169	-4.67	2.03455	none
WNT10B	-0.209	-0.1896	-2.06	0.06733	0.169	-4.68	1.82699	none
UNC13D	0.33	0.3355	2.0601	0.06737	0.169	-4.68	-0.15	none
FAM126A	-0.213	-0.2369	-2.06	0.06741	0.169	-4.68	1.3547	none
CRYBB3	0.26	0.2712	2.0591	0.06748	0.169	-4.68	0.65427	none
TXNDC17	-0.354	-0.3411	-2.059	0.0675	0.169	-4.68	1.56954	none
TAF4	-0.548	-0.3963	-2.058	0.06756	0.17	-4.68	0.78324	none
RBMX	0.216	0.179	2.0579	0.06762	0.17	-4.68	0.83223	none
HKDC1	0.184	0.1887	2.0571	0.0677	0.17	-4.68	-0.4808	none
IFT140	0.527	0.4543	2.0571	0.0677	0.17	-4.68	-0.3164	none
SERF2	-0.287	-0.2628	-2.056	0.06777	0.17	-4.68	0.77846	none
RBP1	0.475	0.3505	2.0563	0.06779	0.17	-4.68	-0.1908	none
DUOX2	-0.224	-0.1662	-2.055	0.06791	0.17	-4.68	0.50322	none
ADAT3	0.203	0.1159	2.0552	0.06792	0.17	-4.68	0.28232	none
ANKRD33E	0.275	0.3429	2.0552	0.06792	0.17	-4.68	0.05776	none
NCR3	-1.015	-0.8317	-2.055	0.06794	0.17	-4.68	2.39725	AA-related
FH	-0.151	-0.1433	-2.055	0.06796	0.17	-4.68	2.12034	AA-related
MDN1	0.54	0.5918	2.0538	0.06807	0.171	-4.69	0.01914	none
KLHL35	0.313	0.1558	2.0538	0.06807	0.171	-4.69	-0.7702	none
ASB14	-0.135	-0.0572	-2.054	0.06809	0.171	-4.69	1.29654	none
HSD17B10	-0.232	-0.2219	-2.054	0.06809	0.171	-4.69	2.03025	none
UBASH3A	0.234	0.1955	2.0533	0.06813	0.171	-4.69	-0.176	none
SLC6A11	0.204	0.1649	2.0532	0.06814	0.171	-4.69	1.14947	none
TUBG2	0.19	0.2362	2.0531	0.06816	0.171	-4.69	0.50005	none
AC023491	0.247	0.1585	2.0528	0.06819	0.171	-4.69	-0.3892	none
SAP130	0.572	0.5895	2.0523	0.06825	0.171	-4.69	-0.2619	none
LZTS1	0.193	0.1707	2.0516	0.06833	0.171	-4.69	-0.5991	none
TMTC3	0.27	0.2679	2.051	0.06839	0.171	-4.69	-0.747	none
TNFRSF10I	0.211	0.1707	2.051	0.0684	0.171	-4.69	1.26964	none
RAG1	-0.276	-0.2323	-2.051	0.06845	0.171	-4.69	-0.3741	none
HEPH	-0.15	-0.1406	-2.05	0.0685	0.171	-4.69	1.52926	none
ATP6V0E2	-0.157	-0.1724	-2.05	0.06853	0.171	-4.69	1.88746	none
ACSM2B	0.503	0.3953	2.0497	0.06854	0.171	-4.69	0.36021	none
FAM86C1	0.253	0.2358	2.0494	0.06858	0.171	-4.69	-0.0111	none

ZNF32	-0.208	-0.2072	-2.049	0.06858	0.171	-4.69	2.42846	AA-related
PGBD5	0.195	0.1168	2.0492	0.0686	0.171	-4.69	-0.6537	none
CKS1B	-0.263	-0.2738	-2.049	0.06864	0.172	-4.69	1.79771	none
DCTD	-0.21	-0.1919	-2.048	0.06868	0.172	-4.69	2.40391	AA-related
UXT	-0.401	-0.4243	-2.048	0.06869	0.172	-4.69	1.84449	none
OARD1	-0.213	-0.222	-2.048	0.06876	0.172	-4.7	0.95157	none
GIN1	0.415	0.3013	2.0473	0.06881	0.172	-4.7	0.12187	none
PARP11	0.205	0.0891	2.0472	0.06882	0.172	-4.7	-0.4333	none
DGCR2	0.325	0.3114	2.0472	0.06882	0.172	-4.7	0.73923	none
RAVER1	0.381	0.3668	2.0469	0.06886	0.172	-4.7	0.21596	none
ATF6	0.296	0.2563	2.0459	0.06897	0.172	-4.7	-0.509	none
KIF23	0.559	0.5333	2.0452	0.06906	0.172	-4.7	-0.5487	none
ZEB1	0.639	0.6831	2.0451	0.06906	0.172	-4.7	-0.6024	none
ICA1	0.284	0.2006	2.0448	0.06909	0.172	-4.7	-0.2375	none
EFNA4	-0.226	-0.2638	-2.045	0.06911	0.172	-4.7	1.05635	none
TFF2	0.391	0.3994	2.0446	0.06912	0.172	-4.7	-0.0312	none
TAP1	-0.298	-0.2678	-2.045	0.06912	0.172	-4.7	1.77166	none
COQ8A	0.25	0.2389	2.0443	0.06916	0.172	-4.7	0.21582	none
RP9	-0.27	-0.1055	-2.044	0.06924	0.173	-4.7	1.01511	none
RPS28	-0.49	-0.522	-2.043	0.06925	0.173	-4.7	1.86863	none
CUL4A	0.21	0.2213	2.0434	0.06925	0.173	-4.7	0.68849	none
GIMAP5	-0.193	-0.2178	-2.043	0.06926	0.173	-4.7	0.44916	none
MEI1	0.504	0.2941	2.0422	0.06939	0.173	-4.7	-0.6933	none
GOLGA6L6	0.364	0.2514	2.0421	0.0694	0.173	-4.7	-0.6303	none
KRTAP4-7	0.19	0.1515	2.0419	0.06943	0.173	-4.7	-0.6791	none
MMP15	0.249	0.2534	2.0419	0.06944	0.173	-4.7	1.09527	none
RNF130	0.195	0.1507	2.0415	0.06947	0.173	-4.71	-0.0554	none
RPL23	-0.378	-0.4057	-2.041	0.06951	0.173	-4.71	1.48084	none
CENPH	0.315	0.1974	2.0412	0.06951	0.173	-4.71	-0.4321	none
SUN2	0.312	0.3505	2.041	0.06954	0.173	-4.71	-0.6406	none
CAPN15	0.364	0.4649	2.0395	0.0697	0.173	-4.71	-0.2323	none
KPTN	0.464	0.4283	2.0392	0.06974	0.174	-4.71	-0.1193	none
PPIH	-0.302	-0.3125	-2.039	0.06976	0.174	-4.71	1.54974	none
PPM1N	0.517	0.3081	2.0377	0.06991	0.174	-4.71	-0.8557	none
ZNF304	0.158	0.1171	2.0369	0.07001	0.174	-4.71	0.53582	none
RAB20	-0.375	-0.3453	-2.037	0.07005	0.174	-4.71	1.55407	none
GINS2	-0.202	-0.1707	-2.036	0.07007	0.174	-4.71	1.47064	none
GUCD1	0.285	0.2946	2.0359	0.07012	0.174	-4.71	-0.5572	none
CCDC175	0.471	0.3851	2.0359	0.07012	0.174	-4.71	0.08509	none
RPL32	-0.351	-0.3743	-2.036	0.07014	0.174	-4.71	2.26519	AA-related

NUDT15	0.285	0.1407	2.0357	0.07015	0.174	-4.71	-0.1337	none
GOLGA6L4	0.455	0.3877	2.0355	0.07017	0.174	-4.71	-0.5784	none
ANKRD27	0.585	0.6067	2.035	0.07022	0.174	-4.72	-0.1492	none
MIEF1	0.209	0.2046	2.0348	0.07025	0.175	-4.72	0.14336	none
VRK2	0.364	0.359	2.0347	0.07026	0.175	-4.72	-0.3375	none
RSRC1	0.444	0.3848	2.0343	0.07031	0.175	-4.72	-0.6485	none
RALB	0.24	0.1128	2.0337	0.07037	0.175	-4.72	-0.7248	none
ANKRD18E	0.432	0.2956	2.0335	0.07041	0.175	-4.72	-0.7636	none
ZIC4	0.223	0.2226	2.0335	0.07041	0.175	-4.72	0.08485	none
ZKSCAN5	0.447	0.4484	2.0334	0.07041	0.175	-4.72	-0.9196	none
RPS13	-0.408	-0.4482	-2.033	0.07043	0.175	-4.72	1.36386	none
GPX2	0.385	0.2346	2.0326	0.07051	0.175	-4.72	-1.0476	none
SCGB3A1	-0.518	-0.4601	-2.033	0.07052	0.175	-4.72	2.27702	AA-related
VAMP2	0.22	0.158	2.0325	0.07052	0.175	-4.72	-0.3086	none
NBPF1	0.339	0.3175	2.032	0.07057	0.175	-4.72	-0.4532	none
HSD17B7	-0.264	-0.2406	-2.032	0.07059	0.175	-4.72	0.74455	none
MVP	0.352	0.3497	2.0316	0.07062	0.175	-4.72	-0.9865	none
CSNK2A2	0.448	0.4477	2.0315	0.07063	0.175	-4.72	-0.9599	none
BCL7B	0.313	0.2049	2.0307	0.07073	0.175	-4.72	-0.6581	none
TBC1D19	0.261	0.0949	2.0306	0.07074	0.175	-4.72	-0.2224	none
GPR61	-0.239	-0.1483	-2.031	0.07075	0.175	-4.72	2.2177	AA-related
TUBA1A	-0.278	-0.3729	-2.031	0.07075	0.175	-4.72	1.07845	none
SLC2A6	0.253	0.2065	2.03	0.07081	0.175	-4.72	0.64197	none
GPR182	0.274	0.2507	2.0299	0.07083	0.175	-4.72	0.04892	none
SRRM5	0.165	0.1482	2.0295	0.07087	0.175	-4.72	-1.3125	none
REEP5	-0.278	-0.3024	-2.03	0.07087	0.175	-4.72	1.39639	none
PDCD6IP	0.36	0.324	2.0295	0.07087	0.175	-4.72	0.32275	none
SPATA9	-0.167	-0.1591	-2.029	0.07093	0.176	-4.72	-0.2759	none
NPIP7	0.214	0.1779	2.0289	0.07094	0.176	-4.72	0.89348	none
COX19	0.296	0.2361	2.0286	0.07097	0.176	-4.73	-0.2992	none
UBASH3B	0.264	0.278	2.0283	0.07101	0.176	-4.73	0.79109	none
NFATC3	0.305	0.2922	2.0281	0.07103	0.176	-4.73	-0.3278	none
OR52K1	0.18	0.1424	2.0279	0.07105	0.176	-4.73	-1.0896	none
HOOK1	0.53	0.4449	2.0279	0.07106	0.176	-4.73	-0.3153	none
BTN2A1	0.263	0.2344	2.0277	0.07108	0.176	-4.73	-0.1264	none
RPS4Y2	0.251	0.1947	2.0276	0.07109	0.176	-4.73	-1.297	none
DLGAP4	0.569	0.6064	2.0261	0.07127	0.176	-4.73	-0.1571	none
RPS12	-0.495	-0.549	-2.026	0.07128	0.176	-4.73	1.89743	none
PDCD5	-0.157	-0.1354	-2.026	0.07128	0.176	-4.73	1.81052	none
SLC39A9	-0.249	-0.2287	-2.026	0.07132	0.176	-4.73	1.99065	none

CLIC4	-0.302	-0.231	-2.025	0.07139	0.176	-4.73	0.916	none
STRIP1	0.229	0.2547	2.0251	0.07139	0.176	-4.73	-0.6214	none
RNF121	0.286	0.2023	2.0249	0.07141	0.176	-4.73	-0.392	none
INPP5J	-0.16	-0.1064	-2.024	0.07146	0.176	-4.73	0.22784	none
LAPTM5	-0.198	-0.1948	-2.024	0.07152	0.177	-4.73	1.70339	none
SH3GLB1	-0.344	-0.2602	-2.023	0.07164	0.177	-4.73	2.32764	AA-related
IFITM3	0.249	0.146	2.0229	0.07164	0.177	-4.73	-0.7449	none
TEN1	0.416	0.3321	2.0228	0.07165	0.177	-4.73	-0.7714	none
ROR2	-0.275	-0.2721	-2.023	0.07166	0.177	-4.73	0.09323	none
CALM2	-0.233	-0.25	-2.023	0.07168	0.177	-4.73	1.4569	none
CCER2	-0.176	-0.1134	-2.023	0.07169	0.177	-4.73	0.637	none
SRP68	0.359	0.3739	2.0225	0.07169	0.177	-4.73	-0.0616	none
PARP10	0.195	0.1584	2.0225	0.0717	0.177	-4.73	0.9961	none
GAR1	0.223	0.178	2.0223	0.07172	0.177	-4.73	0.31187	none
KIF3A	0.402	0.3342	2.0221	0.07174	0.177	-4.73	-0.3289	none
SLC25A43	0.273	0.2181	2.0219	0.07176	0.177	-4.74	0.036	none
DENND1B	0.16	0.1395	2.0209	0.07188	0.177	-4.74	0.22619	none
SH2B3	0.402	0.4196	2.0208	0.0719	0.177	-4.74	-0.0292	none
C19ORF66	0.205	0.1502	2.0202	0.07196	0.177	-4.74	0.41747	none
RAB6B	0.177	0.1583	2.0198	0.07201	0.177	-4.74	-0.61	none
APOL6	0.591	0.5866	2.0195	0.07205	0.177	-4.74	-0.77	none
TMCO3	0.358	0.2211	2.0193	0.07207	0.178	-4.74	-0.4933	none
RPS4X	-0.332	-0.3423	-2.019	0.07209	0.178	-4.74	2.12062	AA-related
TXNIP	-0.306	-0.3229	-2.019	0.07214	0.178	-4.74	0.73858	none
GOLT1B	-0.462	-0.4705	-2.018	0.07217	0.178	-4.74	1.16655	none
MVD	0.208	0.2038	2.0181	0.07221	0.178	-4.74	-0.4401	none
PRAC1	-0.301	-0.2406	-2.018	0.07224	0.178	-4.74	2.01689	none
DHDDS	0.181	0.173	2.0178	0.07225	0.178	-4.74	-0.8886	none
NFKBIA	-0.267	-0.1503	-2.017	0.0723	0.178	-4.74	1.40545	none
UNC119	-0.182	-0.1656	-2.017	0.07231	0.178	-4.74	1.28102	none
NDUFA11	-0.41	-0.4118	-2.017	0.07233	0.178	-4.74	1.96207	none
PNPLA8	0.449	0.4005	2.0171	0.07234	0.178	-4.74	-0.4817	none
USF2	0.35	0.3367	2.0169	0.07236	0.178	-4.74	-0.4848	none
SEBOX	0.269	0.2764	2.0169	0.07236	0.178	-4.74	0.99877	none
ORM1	0.298	0.2314	2.0167	0.07238	0.178	-4.74	0.37999	none
CYB5R3	0.273	0.2739	2.0166	0.07239	0.178	-4.74	-0.3797	none
C19ORF53	-0.193	-0.154	-2.017	0.0724	0.178	-4.74	0.46643	none
FKBPL	-0.153	-0.1034	-2.017	0.0724	0.178	-4.74	0.55885	none
TNK2	0.368	0.4618	2.0163	0.07243	0.178	-4.74	-0.2719	none
NT5C2	0.305	0.2262	2.0163	0.07243	0.178	-4.74	-0.9698	none

GPAT4	0.239	0.1908	2.0159	0.07248	0.178	-4.74	0.19476	none
DHPS	0.173	0.105	2.0159	0.07248	0.178	-4.74	0.18568	none
EXOC7	0.404	0.4339	2.0151	0.07258	0.178	-4.75	-0.1836	none
DMXL2	0.355	0.315	2.015	0.07259	0.178	-4.75	-0.7133	none
PRMT7	0.214	0.2215	2.0149	0.0726	0.178	-4.75	-0.7926	none
ELP6	0.267	0.17	2.0149	0.0726	0.178	-4.75	-0.7409	none
ZNF862	0.279	0.2882	2.0147	0.07262	0.178	-4.75	0.79504	none
MGLL	0.316	0.2759	2.0147	0.07262	0.178	-4.75	-0.4707	none
AHI1	0.525	0.541	2.0139	0.07272	0.178	-4.75	-0.8905	none
PHLDB3	0.415	0.3718	2.0136	0.07275	0.178	-4.75	-0.7266	none
RAD23A	0.231	0.2174	2.0136	0.07275	0.178	-4.75	-1.254	none
E2F5	0.209	0.0712	2.0135	0.07276	0.178	-4.75	-0.3999	none
TBC1D22B	0.172	0.1675	2.0131	0.07282	0.179	-4.75	-0.3924	none
C10ORF67	0.263	0.1975	2.013	0.07282	0.179	-4.75	-1.2628	none
PMS1	0.239	0.2159	2.013	0.07283	0.179	-4.75	-0.5261	none
RFXAP	0.25	0.1377	2.0129	0.07283	0.179	-4.75	-0.4528	none
GEMIN5	0.462	0.5312	2.0119	0.07296	0.179	-4.75	0.30493	none
MTTP	-0.208	-0.17	-2.012	0.07296	0.179	-4.75	1.16327	none
ZNF439	0.354	0.2615	2.0115	0.073	0.179	-4.75	-1.1967	none
NR3C2	-0.333	-0.1787	-2.011	0.07301	0.179	-4.75	1.21182	none
RABL6	0.45	0.4943	2.0114	0.07301	0.179	-4.75	-0.443	none
PHACTR2	0.725	0.7693	2.0112	0.07304	0.179	-4.75	-0.5649	none
RAB32	-0.223	-0.2238	-2.01	0.07317	0.179	-4.75	0.71154	none
CLDND2	-0.335	-0.2728	-2.01	0.07323	0.179	-4.75	1.14982	none
CEP85	0.306	0.3127	2.0089	0.07332	0.179	-4.76	-0.5502	none
FAU	-0.396	-0.4222	-2.008	0.0734	0.18	-4.76	2.26514	AA-related
HAND2	0.256	0.1943	2.0078	0.07345	0.18	-4.76	-0.6799	none
SNRPE	-0.288	-0.3401	-2.008	0.07349	0.18	-4.76	1.18545	none
MT1B	-0.282	-0.282	-2.007	0.07349	0.18	-4.76	-0.1514	none
SPIN2A	0.169	0.1058	2.0065	0.07361	0.18	-4.76	-0.0376	none
IL2RG	-0.248	-0.2158	-2.006	0.07364	0.18	-4.76	1.49555	none
URM1	-0.317	-0.2199	-2.006	0.07365	0.18	-4.76	2.41789	AA-related
DAO	0.239	0.2392	2.0055	0.07373	0.18	-4.76	-0.3603	none
SMC5	0.705	0.7091	2.0055	0.07373	0.18	-4.76	-0.2613	none
FCGR1B	0.159	0.1671	2.0054	0.07374	0.18	-4.76	0.60808	none
GNG5	-0.279	-0.2934	-2.005	0.07375	0.18	-4.76	1.46912	none
CFAP77	0.271	0.1937	2.0053	0.07376	0.18	-4.76	-0.7837	none
GGH	-0.297	-0.3324	-2.005	0.07376	0.18	-4.76	1.47758	none
EXOC4	0.32	0.3725	2.0049	0.07381	0.18	-4.76	0.3196	none
C1QTNF3	0.41	0.3105	2.0045	0.07385	0.18	-4.76	0.48363	none



ZNF668	0.228	0.2448	2.0044	0.07387	0.18	-4.76	-0.4922	none
BPHL	0.268	0.193	2.0041	0.0739	0.18	-4.76	-1.2461	none
RPLP2	-0.435	-0.4532	-2.004	0.07392	0.18	-4.76	1.76891	none
ERICH5	-0.233	-0.1551	-2.004	0.07395	0.181	-4.76	0.94479	none
LINGO1	-0.221	-0.1583	-2.004	0.07395	0.181	-4.76	0.83893	none
SBNO1	0.482	0.5016	2.0035	0.07398	0.181	-4.76	-1.0095	none
NUP205	0.419	0.3275	2.0034	0.07399	0.181	-4.76	-1.1803	none
HBA2	-0.264	-0.1529	-2.003	0.074	0.181	-4.76	1.24251	none
WDR78	0.355	0.2256	2.0033	0.074	0.181	-4.76	-0.9644	none
NBPF20	0.383	0.4053	2.003	0.07403	0.181	-4.76	-0.7407	none
MLKL	0.515	0.4694	2.0029	0.07405	0.181	-4.76	-0.5785	none
C12ORF29	-0.191	-0.1833	-2.003	0.07408	0.181	-4.76	1.45314	none
SIAH1	0.292	0.255	2.0027	0.07408	0.181	-4.76	-0.3805	none
MRPL11	-0.304	-0.3105	-2.002	0.07413	0.181	-4.77	1.3649	none
PRKD1	0.215	0.1869	2.0021	0.07415	0.181	-4.77	-0.9261	none
AP2S1	-0.299	-0.2828	-2.002	0.07416	0.181	-4.77	1.38425	none
TYROBP	-0.648	-0.7062	-2.002	0.07417	0.181	-4.77	1.94398	none
SRRT	0.456	0.5112	2.0017	0.07419	0.181	-4.77	-0.0449	none
LRSAM1	0.345	0.343	2.0015	0.07422	0.181	-4.77	-0.7769	none
SCRN3	0.241	0.2171	2.0015	0.07422	0.181	-4.77	0.34267	none
IL6ST	0.486	0.3995	2.0015	0.07423	0.181	-4.77	-1.3208	none
TSTD3	0.242	0.1315	2.0014	0.07423	0.181	-4.77	-1.0729	none
F8	-0.179	-0.1585	-2.001	0.07428	0.181	-4.77	0.50879	none
PAPOLA	0.202	0.1914	2.0009	0.07429	0.181	-4.77	0.40007	none
DDX60	0.242	0.1183	2.0006	0.07433	0.181	-4.77	-0.7577	none
KXD1	0.242	0.1947	2.0006	0.07433	0.181	-4.77	-1.0091	none
MRGPRX3	0.141	0.1015	2.0006	0.07433	0.181	-4.77	-1.0309	none
COL19A1	0.334	0.3385	2.0003	0.07437	0.181	-4.77	1.01062	none
TBC1D3B	0.619	0.5956	1.9999	0.07441	0.181	-4.77	-0.5888	none
KRTAP19-4	0.283	0.2834	1.9999	0.07441	0.181	-4.77	0.87693	none
GNG3	0.349	0.2957	1.9995	0.07446	0.181	-4.77	-0.4963	none
MSH3	0.504	0.4799	1.9994	0.07448	0.181	-4.77	-0.0124	none
NAXD	0.205	0.1715	1.9992	0.0745	0.181	-4.77	-0.7338	none
LGI4	-0.225	-0.1757	-1.999	0.07451	0.181	-4.77	0.32059	none
HIST1H2AI	-0.739	-0.6492	-1.999	0.07453	0.181	-4.77	1.15254	none
KNSTRN	0.233	0.2112	1.9989	0.07453	0.181	-4.77	-1.1735	none
LSM6	-0.315	-0.3502	-1.999	0.07456	0.181	-4.77	1.45931	none
GPX4	-0.26	-0.2232	-1.999	0.07458	0.181	-4.77	2.54987	AA-related
LAMTOR3	-0.406	-0.4517	-1.998	0.0746	0.181	-4.77	1.75589	none
PTCH2	0.181	0.1425	1.998	0.07465	0.181	-4.77	0.43836	none

MTRNR2L	-0.195	-0.1704	-1.998	0.07469	0.181	-4.77	1.47144	none
MRPL13	-0.294	-0.288	-1.998	0.07471	0.181	-4.77	1.14459	none
ZCCHC10	0.353	0.2454	1.9975	0.07471	0.181	-4.77	-0.9333	none
DHRS11	0.243	0.2319	1.9974	0.07472	0.181	-4.77	-0.2382	none
PRDM9	-0.229	-0.256	-1.997	0.07475	0.181	-4.77	1.67459	none
PSMB4	-0.34	-0.3256	-1.997	0.07481	0.182	-4.77	0.30128	none
TCP1	-0.195	-0.173	-1.996	0.07484	0.182	-4.77	1.97392	none
GMPR2	0.329	0.2395	1.9962	0.07487	0.182	-4.77	0.72704	none
SLC7A1	0.277	0.3472	1.9962	0.07488	0.182	-4.77	0.07222	none
CHMP2A	-0.175	-0.1684	-1.996	0.07496	0.182	-4.78	1.21313	none
LIN7B	0.383	0.266	1.9951	0.075	0.182	-4.78	-0.6445	none
PPFIA4	0.613	0.5592	1.9949	0.07504	0.182	-4.78	-1.0031	none
FGF2	0.157	0.1088	1.9948	0.07504	0.182	-4.78	-1.3369	none
ING1	0.418	0.2989	1.9945	0.07509	0.182	-4.78	-0.7274	none
TCAP	0.339	0.2204	1.994	0.07514	0.182	-4.78	-0.2222	none
ENOX2	0.579	0.4881	1.994	0.07514	0.182	-4.78	-0.38	none
PSME4	0.472	0.4133	1.9937	0.07519	0.182	-4.78	-1.0667	none
RER1	-0.259	-0.2355	-1.993	0.07522	0.182	-4.78	1.07863	none
LRR1	-0.301	-0.3493	-1.993	0.07522	0.182	-4.78	0.92338	none
ARID5B	0.518	0.5509	1.9931	0.07525	0.182	-4.78	-0.9443	none
RASL11B	0.233	0.2061	1.993	0.07527	0.182	-4.78	-0.8808	none
WNT4	0.31	0.2808	1.9923	0.07535	0.182	-4.78	-0.9542	none
IGFBP4	-0.209	-0.1742	-1.992	0.07538	0.182	-4.78	1.10288	none
MORC2	0.412	0.468	1.9918	0.07542	0.183	-4.78	-0.4083	none
CHML	0.462	0.4673	1.9914	0.07547	0.183	-4.78	-0.958	none
TTC26	0.305	0.1809	1.9911	0.0755	0.183	-4.78	0.18587	none
MRPL35	-0.282	-0.3002	-1.99	0.07559	0.183	-4.78	1.05457	none
TRIM37	0.452	0.4083	1.9899	0.07565	0.183	-4.78	0.63988	none
ADGRA2	0.199	0.1728	1.9894	0.07572	0.183	-4.78	-1.0013	none
GADL1	0.276	0.2164	1.989	0.07577	0.183	-4.79	-1.1488	none
YIPF6	0.283	0.1116	1.9887	0.07581	0.183	-4.79	-0.9347	none
MRPL18	-0.305	-0.3024	-1.988	0.07584	0.183	-4.79	1.19736	none
RGS1	-0.318	-0.34	-1.988	0.07587	0.183	-4.79	0.81108	none
TNP1	0.246	0.251	1.9871	0.076	0.184	-4.79	0.82459	none
CYSRT1	0.311	0.1899	1.9863	0.07611	0.184	-4.79	0.09401	none
PIGK	-0.324	-0.3726	-1.986	0.07611	0.184	-4.79	1.70261	none
NUP153	0.413	0.4491	1.9857	0.07618	0.184	-4.79	0.56862	none
ACSF3	0.263	0.227	1.9855	0.0762	0.184	-4.79	0.13216	none
APEX1	-0.184	-0.1533	-1.985	0.07626	0.184	-4.79	1.74106	none
RPS5	-0.421	-0.4587	-1.984	0.07638	0.184	-4.79	1.9676	none

TRMT2A	0.237	0.2362	1.9836	0.07644	0.184	-4.79	0.0333	none
HBB	-0.328	-0.2801	-1.984	0.07645	0.184	-4.79	0.71207	none
CD24	0.162	0.1415	1.9835	0.07645	0.184	-4.79	-0.9932	none
ABHD17B	0.261	0.1603	1.9835	0.07645	0.184	-4.79	0.29545	none
PIBF1	0.438	0.5183	1.9834	0.07647	0.185	-4.79	0.50593	none
UQCC3	0.306	0.2044	1.9833	0.07647	0.185	-4.79	-0.6849	none
SULT1A1	0.237	0.2254	1.9825	0.07659	0.185	-4.8	-0.1232	none
MNAT1	-0.216	-0.2276	-1.982	0.07662	0.185	-4.8	1.98596	none
CPD	0.461	0.3917	1.9821	0.07663	0.185	-4.8	-0.6391	none
CCT5	-0.169	-0.1288	-1.982	0.07664	0.185	-4.8	0.64314	none
ATG9B	0.259	0.1965	1.9819	0.07666	0.185	-4.8	0.31172	none
ACTR3	-0.16	-0.1599	-1.982	0.0767	0.185	-4.8	1.63773	none
OR5A2	0.138	0.1153	1.9815	0.07671	0.185	-4.8	-0.8185	none
RUSC2	-0.191	-0.0754	-1.981	0.07673	0.185	-4.8	1.93818	none
ZNF740	0.322	0.3371	1.9813	0.07674	0.185	-4.8	0.49944	none
NEFH	0.438	0.5248	1.981	0.07677	0.185	-4.8	0.47838	none
OTOG	0.343	0.2617	1.9809	0.07678	0.185	-4.8	-0.1763	none
ITPR3	0.411	0.4905	1.9806	0.07683	0.185	-4.8	-0.4315	none
SNX16	-0.281	-0.2273	-1.981	0.07683	0.185	-4.8	1.26224	none
AC096949	0.468	0.3121	1.9802	0.07688	0.185	-4.8	0.10073	none
LDLRAD4	0.198	0.2028	1.9798	0.07693	0.185	-4.8	-0.2717	none
MORF4L1	0.213	0.1319	1.9795	0.07696	0.185	-4.8	-1.1375	none
ADAMTS1	0.198	0.1519	1.979	0.07703	0.185	-4.8	-0.3501	none
GGNBP2	0.379	0.3936	1.9785	0.07708	0.185	-4.8	-0.0664	none
PRDX3	-0.31	-0.305	-1.978	0.07718	0.186	-4.8	1.01874	none
GRIPAP1	0.613	0.6041	1.9763	0.07737	0.186	-4.8	-0.981	none
CST6	-0.309	-0.2894	-1.976	0.07737	0.186	-4.8	1.13039	none
RPS2	-0.356	-0.3009	-1.976	0.07739	0.186	-4.8	0.91914	none
RNF165	0.265	0.1905	1.9761	0.0774	0.186	-4.8	-0.6061	none
EIF4G3	0.606	0.6618	1.9758	0.07743	0.186	-4.81	-0.6443	none
TBC1D10B	0.228	0.2278	1.9758	0.07743	0.186	-4.81	-0.3954	none
GPX1	-0.246	-0.2182	-1.975	0.07748	0.186	-4.81	1.59328	none
IQCE	0.304	0.3313	1.9754	0.07748	0.186	-4.81	0.49459	none
API5	0.3	0.2755	1.9754	0.07749	0.186	-4.81	-0.0641	none
ILF2	-0.169	-0.1426	-1.975	0.07752	0.186	-4.81	1.25289	none
LSS	0.241	0.251	1.9748	0.07755	0.186	-4.81	0.44265	none
KLF13	0.29	0.2603	1.9746	0.07758	0.186	-4.81	0.39165	none
RCBTB1	0.211	0.1184	1.9741	0.07764	0.186	-4.81	0.1233	none
CAPZA2	0.203	0.0393	1.974	0.07766	0.186	-4.81	-0.7364	none
TMCO1	-0.283	-0.3236	-1.974	0.07766	0.186	-4.81	1.76691	none

LSM3	-0.259	-0.2606	-1.974	0.07768	0.186	-4.81	0.64555	none
ARFGEF1	0.489	0.5143	1.9731	0.07777	0.187	-4.81	-0.5066	none
SLC25A3	-0.267	-0.2733	-1.973	0.07783	0.187	-4.81	1.77375	none
AL513122	-0.125	-0.0813	-1.973	0.07784	0.187	-4.81	0.19337	none
PPP3CC	0.275	0.1644	1.9724	0.07786	0.187	-4.81	0.2351	none
RTCA	0.172	0.0395	1.9724	0.07787	0.187	-4.81	-0.0385	none
SZRD1	0.169	0.1819	1.9722	0.07789	0.187	-4.81	-0.3846	none
ODF3B	0.274	0.1296	1.9721	0.07791	0.187	-4.81	0.58951	none
DGUOK	-0.251	-0.2753	-1.972	0.07791	0.187	-4.81	1.99656	none
GPR6	0.189	0.0926	1.9717	0.07795	0.187	-4.81	-0.708	none
RAB17	0.231	0.2268	1.9716	0.07797	0.187	-4.81	0.26526	none
SEZ6	0.395	0.3397	1.9716	0.07797	0.187	-4.81	-0.8152	none
APH1A	-0.342	-0.3602	-1.971	0.07799	0.187	-4.81	1.95879	none
PRRG3	0.265	0.2206	1.9714	0.07799	0.187	-4.81	-0.722	none
MANBA	0.198	0.1257	1.9704	0.07812	0.187	-4.81	0.52519	none
ZNF577	0.214	0.1269	1.9702	0.07814	0.187	-4.81	-0.5004	none
BEND7	0.462	0.3487	1.9695	0.07823	0.187	-4.81	-0.0625	none
TRMT112	-0.307	-0.3065	-1.969	0.07828	0.187	-4.82	1.64625	none
PHGR1	-0.278	-0.2188	-1.969	0.07828	0.187	-4.82	0.5042	none
PTBP2	0.287	0.2154	1.9682	0.0784	0.188	-4.82	0.19605	none
POLR1D	-0.318	-0.3295	-1.968	0.07846	0.188	-4.82	1.91451	none
RAB1B	-0.254	-0.1899	-1.966	0.07867	0.188	-4.82	1.42115	none
GNL3	0.363	0.367	1.9659	0.07869	0.188	-4.82	0.1748	none
HIST1H3B	-0.514	-0.491	-1.966	0.07872	0.188	-4.82	0.8431	none
RIMS1	0.205	0.1433	1.9657	0.07873	0.188	-4.82	-0.8782	none
MYEOV	0.486	0.332	1.9656	0.07874	0.188	-4.82	-0.496	none
AEBP1	0.389	0.4456	1.9656	0.07874	0.188	-4.82	0.26253	none
ZNF530	0.401	0.3345	1.9651	0.0788	0.188	-4.82	0.19717	none
TADA2B	0.326	0.2714	1.9644	0.0789	0.189	-4.82	-0.9972	none
TMEM184	0.199	0.1307	1.9637	0.07898	0.189	-4.82	-0.7013	none
SDC3	0.195	0.1287	1.9633	0.07904	0.189	-4.82	-1.2285	none
SARS2	0.175	0.1289	1.9623	0.07917	0.189	-4.83	0.90264	none
LMTK2	0.479	0.5208	1.9623	0.07917	0.189	-4.83	-0.6294	none
ZNF285	0.269	0.2169	1.9608	0.07936	0.19	-4.83	-0.1695	none
OBSL1	0.208	0.1387	1.96	0.07947	0.19	-4.83	-0.9645	none
ZNF613	0.672	0.5582	1.9599	0.07948	0.19	-4.83	-1.1936	none
GBGT1	0.378	0.2161	1.9599	0.07949	0.19	-4.83	-1.1196	none
SSX2	0.169	0.1624	1.9596	0.07951	0.19	-4.83	-0.6965	none
SEMA7A	0.386	0.3348	1.958	0.07973	0.19	-4.83	-0.2271	none
LIMK2	0.243	0.2884	1.9578	0.07975	0.19	-4.83	0.08188	none

SCAF1	0.662	0.7183	1.9578	0.07976	0.19	-4.83	-0.6739	none
GRM5	0.218	0.1569	1.9572	0.07983	0.191	-4.83	0.0141	none
H3F3B	-0.246	-0.1932	-1.957	0.07986	0.191	-4.83	0.22374	none
RPS29	-0.553	-0.6013	-1.957	0.07988	0.191	-4.83	1.19948	none
ITIH2	-0.256	-0.2337	-1.957	0.07989	0.191	-4.83	0.01395	none
FLYWCH2	0.218	0.2001	1.9567	0.0799	0.191	-4.83	0.16526	none
DLX3	0.208	0.1595	1.9567	0.0799	0.191	-4.83	1.54237	none
GOLGA8Q	0.23	0.1747	1.9564	0.07993	0.191	-4.83	0.41493	none
IQCJ-SCHIF	0.378	0.4043	1.9562	0.07996	0.191	-4.83	-0.2815	none
ZNF599	0.281	0.1403	1.9559	0.08	0.191	-4.84	-0.7717	none
TBL1XR1	0.255	0.1569	1.9553	0.08008	0.191	-4.84	-0.945	none
SORCS1	-0.231	-0.1805	-1.955	0.08009	0.191	-4.84	-0.1214	none
SETBP1	0.237	0.2321	1.9548	0.08015	0.191	-4.84	-0.061	none
PRR29	0.22	0.2286	1.9544	0.0802	0.191	-4.84	-1.0851	none
PRCD	0.241	0.2751	1.9542	0.08023	0.191	-4.84	0.71319	none
C1ORF141	0.434	0.3413	1.9542	0.08023	0.191	-4.84	0.09852	none
ZG16	0.219	0.1749	1.9537	0.0803	0.191	-4.84	-0.7023	none
MEA1	-0.21	-0.2033	-1.954	0.0803	0.191	-4.84	1.58213	none
C3ORF52	0.18	0.1262	1.9535	0.08032	0.191	-4.84	0.56696	none
RPS21	-0.423	-0.4554	-1.953	0.08034	0.191	-4.84	1.72949	none
AGFG2	0.288	0.2372	1.9533	0.08035	0.191	-4.84	-0.2591	none
FLT4	-0.248	-0.1234	-1.953	0.08036	0.191	-4.84	1.17546	none
IGF1	0.326	0.2872	1.9522	0.08049	0.192	-4.84	-0.4551	none
ACTC1	-0.266	-0.1757	-1.952	0.08049	0.192	-4.84	1.54978	none
SFTPC	-0.283	-0.1715	-1.952	0.0805	0.192	-4.84	0.05698	none
DYNAP	-0.155	-0.0946	-1.952	0.08052	0.192	-4.84	-0.2389	none
PVR	0.368	0.3916	1.9519	0.08053	0.192	-4.84	-0.0593	none
CYP2R1	-0.507	-0.3856	-1.952	0.08058	0.192	-4.84	2.03199	none
SFT2D1	-0.337	-0.3884	-1.951	0.08065	0.192	-4.84	1.12033	none
FABP6	-0.351	-0.3037	-1.951	0.08066	0.192	-4.84	1.34779	none
IFNL2	-0.168	-0.1529	-1.951	0.08069	0.192	-4.84	1.84221	none
TMEM170	0.145	0.0993	1.9502	0.08075	0.192	-4.84	-0.8839	none
TSR2	0.214	0.2023	1.9501	0.08077	0.192	-4.84	-1.2386	none
DYNLT1	-0.306	-0.3713	-1.95	0.08079	0.192	-4.84	1.45182	none
ZMIZ1	0.505	0.5885	1.9499	0.0808	0.192	-4.84	-0.6361	none
RPS16	-0.402	-0.4249	-1.95	0.0808	0.192	-4.84	1.4165	none
HIGD1B	0.505	0.3593	1.9496	0.08083	0.192	-4.84	-0.9985	none
DCAKD	0.204	0.1415	1.9495	0.08085	0.192	-4.84	-0.5408	none
CDNF	0.226	0.1517	1.9493	0.08088	0.192	-4.85	-0.0733	none
NUDT4	0.208	0.1457	1.9491	0.0809	0.192	-4.85	-0.3839	none

MIF	-0.352	-0.317	-1.949	0.08094	0.192	-4.85	1.463	none
ARCN1	0.231	0.1725	1.9485	0.08098	0.192	-4.85	0.07625	none
GPN3	0.251	0.1194	1.9477	0.08108	0.192	-4.85	-0.2997	none
KLHDC3	-0.319	-0.3386	-1.947	0.08114	0.193	-4.85	1.30857	none
PPP1R12A	0.731	0.773	1.9471	0.08117	0.193	-4.85	-0.2361	none
CD300LF	0.196	0.1462	1.947	0.08118	0.193	-4.85	-0.3268	none
SFT2D3	0.388	0.2588	1.9461	0.08129	0.193	-4.85	-0.9201	none
JPH4	0.21	0.1502	1.9459	0.08133	0.193	-4.85	-0.0113	none
ZMYM2	0.466	0.459	1.9456	0.08137	0.193	-4.85	-0.0408	none
11-Sep	-0.245	-0.1015	-1.946	0.08137	0.193	-4.85	1.24096	none
M6PR	-0.229	-0.2357	-1.945	0.08139	0.193	-4.85	1.68184	none
DNTTIP1	0.141	0.1426	1.9447	0.08149	0.193	-4.85	0.66929	none
UBE2R2	-0.155	-0.1278	-1.944	0.08156	0.193	-4.85	1.07594	none
HDAC5	0.356	0.2726	1.9437	0.08162	0.193	-4.85	-0.9923	none
RIN1	0.529	0.4861	1.9435	0.08165	0.193	-4.85	-0.6532	none
PSMD5	0.151	0.1384	1.9434	0.08166	0.193	-4.85	-0.054	none
KRT14	0.19	0.1996	1.9434	0.08167	0.193	-4.85	1.15997	none
KIF4A	0.66	0.6968	1.9429	0.08172	0.193	-4.85	-0.2691	none
TEAD2	-0.174	-0.1588	-1.943	0.08174	0.193	-4.86	0.30584	none
GLIPR1	-0.406	-0.4837	-1.943	0.08175	0.193	-4.86	1.82812	none
CSRP2	0.266	0.1952	1.9427	0.08175	0.193	-4.86	-1.1578	none
CABP5	0.24	0.24	1.9426	0.08176	0.193	-4.86	0.56439	none
CCNT1	0.414	0.3428	1.9426	0.08177	0.193	-4.86	-0.1958	none
FAM162A	-0.264	-0.2763	-1.942	0.08179	0.193	-4.86	1.39837	none
PTGDR2	0.141	0.0919	1.9424	0.08179	0.193	-4.86	-1.1921	none
PLEKHG4	0.215	0.2421	1.9418	0.08188	0.194	-4.86	0.76827	none
HR	-0.25	-0.147	-1.942	0.08191	0.194	-4.86	-0.2544	none
KIF11	0.608	0.628	1.9413	0.08194	0.194	-4.86	-0.5215	none
KIAA1211l	0.262	0.2747	1.9402	0.08209	0.194	-4.86	0.6937	none
LAIR2	0.711	0.4966	1.94	0.08211	0.194	-4.86	0.07514	none
ZC3H7A	0.348	0.3368	1.9397	0.08216	0.194	-4.86	-0.8127	none
HELQ	-0.332	-0.2639	-1.939	0.08223	0.194	-4.86	0.19945	none
IRF8	0.268	0.2339	1.9389	0.08226	0.194	-4.86	-0.5398	none
C11ORF68	0.307	0.1392	1.9387	0.0823	0.194	-4.86	-1.1727	none
NOXA1	-0.145	-0.1095	-1.938	0.08233	0.194	-4.86	0.31713	none
SLC12A6	0.476	0.473	1.9381	0.08238	0.195	-4.86	-0.9473	none
NAT1	0.266	0.0486	1.9379	0.0824	0.195	-4.86	0.01905	none
NT5DC1	0.275	0.1294	1.9379	0.08241	0.195	-4.86	0.30921	none
PDS5B	0.582	0.5925	1.9377	0.08243	0.195	-4.86	-0.207	none
ZNF182	0.298	0.3186	1.9376	0.08244	0.195	-4.86	-0.8197	none

SCGB1D2	0.266	0.2657	1.9375	0.08245	0.195	-4.86	1.00034	none
SKA1	0.49	0.4303	1.9375	0.08246	0.195	-4.86	-0.1928	none
NECAP1	0.285	0.1575	1.9375	0.08246	0.195	-4.86	-0.2713	none
NDUFC1	-0.329	-0.34	-1.937	0.08247	0.195	-4.86	1.52596	none
INO80B-W	-0.25	-0.3339	-1.937	0.08249	0.195	-4.86	0.75644	none
BTN3A2	0.391	0.3432	1.9371	0.08251	0.195	-4.86	-0.6206	none
MTG1	0.193	0.157	1.9371	0.08251	0.195	-4.86	-0.3059	none
MCC	0.322	0.2817	1.937	0.08252	0.195	-4.86	-0.6483	none
ZNF831	0.173	0.1788	1.9369	0.08254	0.195	-4.86	-0.3137	none
OR7C2	0.17	0.145	1.9368	0.08255	0.195	-4.86	-0.3257	none
SLC22A11	0.336	0.2442	1.9366	0.08258	0.195	-4.86	-0.1166	none
GALNT1	0.194	0.1702	1.9364	0.0826	0.195	-4.86	0.09305	none
RHOT1	0.382	0.3133	1.9362	0.08263	0.195	-4.86	-0.5811	none
ASNSD1	-0.196	-0.1967	-1.936	0.08264	0.195	-4.86	1.52749	none
EVI5L	0.278	0.2283	1.9355	0.08273	0.195	-4.87	-0.9597	none
ITPR2	0.575	0.6501	1.9352	0.08277	0.195	-4.87	-0.2632	none
GABBR1	-0.206	-0.1389	-1.935	0.08279	0.195	-4.87	0.24789	none
SPATA45	-0.247	-0.2996	-1.935	0.08282	0.195	-4.87	-0.4168	none
ABCA2	0.432	0.4242	1.9346	0.08284	0.195	-4.87	-0.4243	none
OOEP	0.316	0.1984	1.9343	0.08289	0.195	-4.87	-0.1275	none
FKBP5	0.326	0.3259	1.9341	0.08291	0.195	-4.87	0.18893	none
ZBP1	0.316	0.2168	1.9335	0.08299	0.195	-4.87	-0.5049	none
PLEKHF1	0.182	0.1504	1.9333	0.08303	0.195	-4.87	0.56425	none
NOP2	0.418	0.4853	1.9332	0.08304	0.195	-4.87	0.12913	none
YWHAE	-0.189	-0.1542	-1.933	0.08304	0.195	-4.87	0.26249	none
RPA3	-0.455	-0.5149	-1.932	0.08314	0.196	-4.87	1.32091	none
AGO2	0.302	0.3543	1.9321	0.08319	0.196	-4.87	0.27768	none
EPM2A	0.154	0.1127	1.932	0.0832	0.196	-4.87	-0.9014	none
GALNT6	0.493	0.5167	1.9314	0.08328	0.196	-4.87	-0.6576	none
ANO9	0.235	0.2681	1.9306	0.08339	0.196	-4.87	0.22865	none
C2ORF68	0.318	0.2107	1.9304	0.08342	0.196	-4.87	-0.9574	none
NAPG	-0.194	-0.1822	-1.93	0.08343	0.196	-4.87	1.09504	none
SNAPIN	-0.214	-0.2381	-1.93	0.08349	0.196	-4.87	2.31416	AA-related
ZNF500	0.323	0.3216	1.9298	0.0835	0.196	-4.87	-0.4919	none
RIBC1	-0.335	-0.1945	-1.93	0.08351	0.196	-4.87	1.19374	none
STRC	0.231	0.2161	1.9292	0.08359	0.196	-4.88	-0.3373	none
CEP128	0.357	0.3359	1.9289	0.08363	0.196	-4.88	-0.275	none
SLITRK2	0.152	0.1029	1.9287	0.08365	0.196	-4.88	-1.2355	none
CLK1	0.209	0.2015	1.9287	0.08365	0.196	-4.88	0.39109	none
WDR47	0.178	0.1929	1.9285	0.08369	0.196	-4.88	-0.4545	none

ASTL	-0.201	-0.1572	-1.928	0.08372	0.197	-4.88	1.9907	none
RNASEH2C	-0.406	-0.3676	-1.928	0.08377	0.197	-4.88	2.04649	none
SUPT5H	0.449	0.4706	1.9266	0.08394	0.197	-4.88	-0.5162	none
FCRL1	0.322	0.2483	1.9264	0.08396	0.197	-4.88	-0.2313	none
THEM5	-0.483	-0.2635	-1.926	0.08397	0.197	-4.88	1.59352	none
LRP2	0.198	0.1924	1.9263	0.08399	0.197	-4.88	0.48378	none
PCP2	-0.304	-0.2324	-1.926	0.08401	0.197	-4.88	1.07521	none
CSGALNAC	0.199	0.1739	1.926	0.08402	0.197	-4.88	-0.3792	none
SLC16A2	0.156	0.1154	1.926	0.08402	0.197	-4.88	-1.353	none
RRP1	0.286	0.3306	1.9256	0.08408	0.197	-4.88	0.12343	none
ITM2A	-0.293	-0.3757	-1.926	0.08408	0.197	-4.88	1.25182	none
PTPRB	0.326	0.2299	1.9255	0.08409	0.197	-4.88	-1.3892	none
SNRPN	-0.232	-0.2628	-1.925	0.08414	0.197	-4.88	2.23552	AA-related
PPP4R2	0.312	0.2812	1.925	0.08416	0.197	-4.88	-1.1492	none
TAF13	0.373	0.4118	1.9247	0.08421	0.197	-4.88	-0.5157	none
IKBIP	0.329	0.2826	1.9246	0.08421	0.197	-4.88	-0.7103	none
RPL10	-0.335	-0.3565	-1.925	0.08422	0.197	-4.88	2.08177	none
CENPVL1	0.136	0.1055	1.9245	0.08424	0.197	-4.88	-0.3228	none
CENPVL2	0.136	0.1055	1.9245	0.08424	0.197	-4.88	-0.3228	none
TDP2	-0.29	-0.2829	-1.924	0.08425	0.197	-4.88	1.70706	none
RGS6	-0.271	-0.2176	-1.924	0.08428	0.197	-4.88	1.8267	none
GGCT	-0.134	-0.1005	-1.924	0.0843	0.197	-4.88	0.76315	none
CLCNKA	0.189	0.189	1.924	0.0843	0.197	-4.88	0.55525	none
SMPD1	-0.262	-0.2445	-1.924	0.08432	0.197	-4.88	-0.0737	none
TGFBR1	0.174	0.0935	1.9232	0.08441	0.197	-4.88	1.00557	none
CAPRIN1	0.354	0.358	1.9227	0.08448	0.198	-4.89	0.64313	none
SMG6	0.29	0.2725	1.9225	0.0845	0.198	-4.89	0.03867	none
SNRNP40	-0.164	-0.148	-1.922	0.08451	0.198	-4.89	0.05821	none
CEP290	-0.317	-0.2711	-1.922	0.08452	0.198	-4.89	1.70678	none
WIPF1	0.328	0.3036	1.9223	0.08453	0.198	-4.89	-0.6303	none
RAB30	0.402	0.2513	1.9218	0.0846	0.198	-4.89	-0.6053	none
KCTD7	0.28	0.2283	1.9216	0.08463	0.198	-4.89	0.61865	none
CALCOCO1	0.476	0.4306	1.9214	0.08465	0.198	-4.89	-1.3942	none
CD38	-0.264	-0.288	-1.921	0.08467	0.198	-4.89	2.00681	none
NELFE	-0.155	-0.123	-1.921	0.08467	0.198	-4.89	1.94655	none
JAG2	0.339	0.3093	1.9202	0.08482	0.198	-4.89	0.77115	none
ATXN7L3B	0.177	0.124	1.92	0.08485	0.198	-4.89	0.49501	none
PRTFDC1	-0.247	-0.2124	-1.92	0.08487	0.198	-4.89	0.07047	none
EIF1AX	-0.153	-0.1193	-1.919	0.08494	0.198	-4.89	1.13298	none
PRTG	-0.225	-0.175	-1.919	0.08494	0.198	-4.89	0.60489	none



SULT1E1	0.191	0.1809	1.9193	0.08495	0.198	-4.89	1.12657	none
ALDH3A1	0.405	0.4143	1.9192	0.08497	0.198	-4.89	-0.2545	none
SPATA8	0.344	0.2291	1.9185	0.08506	0.198	-4.89	-0.9201	none
SUFU	0.274	0.2982	1.9184	0.08507	0.198	-4.89	-1.1325	none
C5ORF24	0.313	0.3439	1.9184	0.08507	0.198	-4.89	0.89652	none
CEP55	0.497	0.4654	1.9184	0.08508	0.198	-4.89	-1.0519	none
DDX59	0.314	0.2887	1.9183	0.08509	0.198	-4.89	1.03413	none
ADGRD1	0.207	0.2124	1.9182	0.0851	0.198	-4.89	-0.4331	none
SLMAP	0.559	0.5647	1.9182	0.0851	0.198	-4.89	0.3609	none
MAPKBP1	0.315	0.318	1.9177	0.08517	0.199	-4.89	-0.6698	none
TJP3	0.367	0.2475	1.9176	0.08518	0.199	-4.89	-0.0951	none
NDST4	0.213	0.1418	1.9173	0.08523	0.199	-4.89	-0.2241	none
LRRC75A	-0.326	-0.3677	-1.917	0.08524	0.199	-4.89	1.23406	none
AFF4	0.664	0.6627	1.9171	0.08525	0.199	-4.89	-0.8473	none
SLC35B1	-0.321	-0.3272	-1.917	0.08526	0.199	-4.89	1.51691	none
FBXO2	0.394	0.3555	1.9168	0.0853	0.199	-4.89	-0.3605	none
RPS15A	-0.428	-0.4993	-1.917	0.08534	0.199	-4.89	2.01025	none
SMIM11A	0.287	0.1237	1.9163	0.08537	0.199	-4.89	0.55511	none
RNF24	0.263	0.2081	1.9159	0.08542	0.199	-4.9	-0.4162	none
MYO7B	-0.231	-0.1937	-1.916	0.08543	0.199	-4.9	2.337	AA-related
UBR2	0.366	0.3458	1.9159	0.08543	0.199	-4.9	-0.7066	none
GLA	-0.29	-0.3305	-1.916	0.08547	0.199	-4.9	1.31708	none
ACVR1C	0.139	0.1261	1.9154	0.0855	0.199	-4.9	-0.2929	none
PIM3	-0.25	-0.1857	-1.915	0.08553	0.199	-4.9	0.55224	none
SPIN2B	0.398	0.2801	1.9148	0.08558	0.199	-4.9	-0.6053	none
NUP62	0.44	0.4917	1.9146	0.0856	0.199	-4.9	-0.6558	none
TDRD1	0.205	0.1883	1.9145	0.08563	0.199	-4.9	-0.7146	none
HIC2	0.198	0.2137	1.9143	0.08565	0.199	-4.9	-0.2961	none
MOSPD1	0.306	0.1299	1.9142	0.08566	0.199	-4.9	0.31218	none
VWA8	0.494	0.4192	1.9139	0.0857	0.199	-4.9	1.18655	none
SYCE1L	-0.351	-0.2475	-1.914	0.08572	0.199	-4.9	0.76568	none
ARHGAP3	0.481	0.4774	1.9124	0.08591	0.2	-4.9	-0.8334	none
DCAF6	0.338	0.2804	1.9118	0.086	0.2	-4.9	-0.0254	none
STX3	0.37	0.2899	1.9117	0.08601	0.2	-4.9	-0.7094	none
ZBTB40	0.409	0.4365	1.9117	0.08601	0.2	-4.9	-0.1767	none
KIF21B	0.49	0.5937	1.9117	0.08602	0.2	-4.9	-0.3611	none
PXYLP1	0.406	0.2101	1.9115	0.08605	0.2	-4.9	-0.5884	none
HSPB9	0.203	0.1744	1.9109	0.08613	0.2	-4.9	-1.0318	none
PCDHB2	0.352	0.2597	1.9108	0.08615	0.2	-4.9	-1.2798	none
RAB40C	0.263	0.2498	1.9107	0.08616	0.2	-4.9	0.27851	none

KIAA1549	0.178	0.1574	1.9106	0.08617	0.2	-4.9	-1.0247	none
ZNF10	0.313	0.2455	1.9106	0.08617	0.2	-4.9	0.72671	none
ZFY	0.266	0.2279	1.9106	0.08617	0.2	-4.9	-1.2669	none
KIAA1210	0.169	0.12	1.9103	0.08621	0.2	-4.9	-1.3647	none
TEP1	0.465	0.5591	1.9103	0.08621	0.2	-4.9	-0.1493	none
SSX1	-0.19	-0.1816	-1.91	0.08623	0.2	-4.9	0.89986	none
TMTC2	0.177	0.1428	1.9102	0.08623	0.2	-4.9	-0.3813	none
APOH	0.761	0.4526	1.91	0.08626	0.2	-4.9	-0.9593	none
ACTR1A	-0.168	-0.1132	-1.91	0.08626	0.2	-4.9	1.01629	none
SORCS3	-0.224	-0.2243	-1.91	0.08626	0.2	-4.9	1.51352	none
IDH1	-0.216	-0.2658	-1.91	0.08627	0.2	-4.9	0.50195	none
PWP2	0.494	0.4583	1.9081	0.08651	0.2	-4.91	-0.0598	none
LONP2	0.302	0.3485	1.9081	0.08653	0.2	-4.91	-0.4481	none
AHCY	-0.206	-0.1783	-1.908	0.08653	0.2	-4.91	2.48093	AA-related
MRPL58	-0.201	-0.2	-1.908	0.08655	0.2	-4.91	1.99611	none
CNPPD1	0.168	0.1553	1.9079	0.08655	0.2	-4.91	0.22532	none
RPUSD2	0.223	0.2151	1.9079	0.08655	0.2	-4.91	-0.6534	none
CACNA2D	0.384	0.3092	1.9078	0.08656	0.2	-4.91	-1.1828	none
SERPINB7	-0.23	-0.2299	-1.908	0.08658	0.201	-4.91	1.65197	none
MRPL41	-0.331	-0.2908	-1.908	0.0866	0.201	-4.91	1.31077	none
ANK1	0.251	0.3385	1.9074	0.08662	0.201	-4.91	-0.0553	none
RTN4RL2	0.265	0.1943	1.9073	0.08664	0.201	-4.91	0.61214	none
DHX57	0.368	0.3782	1.9064	0.08676	0.201	-4.91	-1.0223	none
MISP3	-0.155	-0.1722	-1.906	0.08686	0.201	-4.91	1.78611	none
INTS9	0.3	0.2555	1.9054	0.0869	0.201	-4.91	-0.4045	none
NMRAL1	0.242	0.1403	1.9049	0.08698	0.201	-4.91	-0.1076	none
DCTPP1	-0.307	-0.2793	-1.905	0.08699	0.201	-4.91	1.19517	none
RPS3A	-0.256	-0.2606	-1.905	0.08701	0.201	-4.91	0.53306	none
TMEM87B	-0.33	-0.281	-1.904	0.08712	0.201	-4.91	1.64213	none
SLC35G2	0.193	0.0673	1.9038	0.08713	0.201	-4.91	-0.0103	none
ZNF777	0.347	0.4123	1.9035	0.08717	0.202	-4.91	-0.3332	none
CTTNBP2	0.362	0.2362	1.9035	0.08718	0.202	-4.91	-1.3693	none
AKR1B1	0.192	0.084	1.9028	0.08728	0.202	-4.91	-0.0963	none
BANF2	0.219	0.1572	1.9024	0.08733	0.202	-4.92	0.80366	none
EMC7	-0.337	-0.3414	-1.902	0.08735	0.202	-4.92	1.35126	none
CDC42	-0.313	-0.3818	-1.902	0.08737	0.202	-4.92	0.56091	none
GPKOW	0.252	0.3007	1.9021	0.08737	0.202	-4.92	-0.6205	none
TRIP12	0.66	0.725	1.9017	0.08743	0.202	-4.92	-0.449	none
CD6	0.236	0.2031	1.9016	0.08745	0.202	-4.92	-0.3119	none
LUC7L2	0.344	0.4183	1.9016	0.08745	0.202	-4.92	0.27759	none

ZNF770	-0.263	-0.2514	-1.902	0.08745	0.202	-4.92	1.49254	none
SLC23A2	0.234	0.2221	1.9015	0.08746	0.202	-4.92	0.72713	none
FOPNL	-0.272	-0.2436	-1.901	0.08749	0.202	-4.92	0.89087	none
ZNF76	0.299	0.3248	1.9011	0.08752	0.202	-4.92	-0.3282	none
CDC42EP3	0.345	0.2845	1.9008	0.08756	0.202	-4.92	-1.0623	none
PAIP2B	0.146	0.094	1.9008	0.08756	0.202	-4.92	-1.2358	none
ZC3H3	0.283	0.2693	1.9004	0.08761	0.202	-4.92	-0.3629	none
ITFG1	0.194	0.1594	1.9001	0.08766	0.202	-4.92	-0.4608	none
LYST	0.269	0.1409	1.9	0.08768	0.202	-4.92	-0.5447	none
CGA	0.385	0.2552	1.8998	0.0877	0.202	-4.92	-0.107	none
FBRS	0.403	0.4658	1.8997	0.08771	0.202	-4.92	-0.0142	none
SPSB4	0.278	0.2137	1.8997	0.08772	0.202	-4.92	0.41917	none
PARG	0.504	0.5148	1.8997	0.08772	0.202	-4.92	-0.28	none
PDE4D	0.234	0.1925	1.8995	0.08775	0.202	-4.92	-0.4037	none
ACO2	0.322	0.3415	1.8994	0.08776	0.202	-4.92	-0.2397	none
NUP85	0.201	0.1539	1.8991	0.0878	0.202	-4.92	-0.7868	none
ZNF790	0.309	0.2503	1.899	0.08782	0.202	-4.92	-0.6164	none
CRTC1	0.329	0.4029	1.8989	0.08783	0.202	-4.92	-0.4756	none
TMEM52	0.309	0.1704	1.8989	0.08784	0.202	-4.92	-0.9151	none
COMMD4	0.284	0.1646	1.8988	0.08784	0.202	-4.92	-0.8199	none
RNF19A	0.477	0.4147	1.8987	0.08786	0.202	-4.92	-0.8392	none
LIN54	0.492	0.444	1.8985	0.08789	0.202	-4.92	-0.6975	none
GAGE12B	-1.164	-0.8074	-1.898	0.08793	0.202	-4.92	2.14239	AA-related
UBE2I	-0.217	-0.2033	-1.898	0.08795	0.202	-4.92	1.66439	none
PLD2	0.462	0.3492	1.8974	0.08804	0.203	-4.92	-1.0551	none
TBC1D2	0.264	0.2474	1.8972	0.08808	0.203	-4.92	0.51838	none
RAB9A	-0.334	-0.2708	-1.897	0.08808	0.203	-4.92	1.90755	none
REST	0.699	0.657	1.8969	0.08812	0.203	-4.92	-0.6427	none
TMEM33	0.332	0.1617	1.8968	0.08813	0.203	-4.92	-0.7812	none
SACS	0.422	0.4403	1.8966	0.08817	0.203	-4.92	0.59195	none
PCBP3	0.389	0.3816	1.8965	0.08818	0.203	-4.92	0.2658	none
GID8	-0.181	-0.1011	-1.896	0.08819	0.203	-4.92	2.18408	AA-related
CNN3	0.307	0.2393	1.896	0.08825	0.203	-4.92	-0.0462	none
SMN2	0.697	0.4613	1.8958	0.08828	0.203	-4.93	-0.5636	none
PADI2	0.168	0.1217	1.8956	0.08831	0.203	-4.93	-1.0781	none
SLC22A17	0.425	0.3773	1.8955	0.08832	0.203	-4.93	-0.1129	none
RBM19	0.68	0.8063	1.8955	0.08832	0.203	-4.93	-0.4893	none
GCKR	0.312	0.3227	1.8955	0.08833	0.203	-4.93	-0.3923	none
RGS12	0.339	0.2725	1.8951	0.08837	0.203	-4.93	-0.9957	none
HIST1H3I	-1.116	-0.9245	-1.895	0.08843	0.203	-4.93	0.86908	none

GPR37L1	0.221	0.1501	1.8944	0.08848	0.203	-4.93	-1.3644	none
HMG1	-0.155	-0.1223	-1.894	0.08851	0.203	-4.93	1.89373	none
NAA40	0.238	0.1825	1.8937	0.08859	0.203	-4.93	-0.7221	none
WAC	0.436	0.4337	1.8936	0.08859	0.203	-4.93	-0.4073	none
MIS18BP1	0.604	0.6779	1.8933	0.08863	0.203	-4.93	-0.5498	none
TBCB	0.234	0.1351	1.8933	0.08864	0.203	-4.93	-0.5216	none
ZMYM3	0.283	0.3268	1.8932	0.08865	0.203	-4.93	0.40247	none
UACA	0.292	0.2071	1.8931	0.08866	0.203	-4.93	0.59992	none
IQCF2	0.355	0.2341	1.8931	0.08867	0.203	-4.93	-0.9413	none
OXNAD1	-0.25	-0.197	-1.893	0.0887	0.203	-4.93	2.05005	none
LNP1	-0.233	-0.295	-1.892	0.08877	0.204	-4.93	1.034	none
RNF167	-0.178	-0.1806	-1.892	0.08882	0.204	-4.93	0.92426	none
CDK19	0.377	0.3276	1.892	0.08883	0.204	-4.93	-1.125	none
WDR6	0.179	0.1937	1.8919	0.08884	0.204	-4.93	0.64966	none
STAG3	0.253	0.188	1.8916	0.08888	0.204	-4.93	0.98613	none
EXOC3	0.329	0.3333	1.8916	0.08889	0.204	-4.93	-0.0601	none
GPATCH11	0.315	0.2831	1.8913	0.08892	0.204	-4.93	-0.7418	none
DSN1	0.185	0.0709	1.8911	0.08895	0.204	-4.93	-0.164	none
ZBTB25	0.217	0.1799	1.8908	0.089	0.204	-4.93	-0.3101	none
KCNJ13	0.47	0.3936	1.8898	0.08915	0.204	-4.93	-0.9125	none
KLHL33	0.155	0.1162	1.8897	0.08916	0.204	-4.93	0.1446	none
RAB23	-0.243	-0.2029	-1.889	0.08927	0.204	-4.94	1.20071	none
MYO1C	0.369	0.406	1.8888	0.08929	0.204	-4.94	-0.6152	none
KTN1	0.648	0.7172	1.8884	0.08935	0.205	-4.94	0.21473	none
MRM1	0.274	0.2899	1.8883	0.08936	0.205	-4.94	0.73808	none
PKN3	0.191	0.2244	1.8872	0.08952	0.205	-4.94	0.73462	none
CHI3L2	-0.385	-0.3704	-1.887	0.08955	0.205	-4.94	0.09508	none
FAR1	0.418	0.3148	1.887	0.08956	0.205	-4.94	-0.3529	none
PLXNC1	0.586	0.5248	1.8869	0.08957	0.205	-4.94	-0.7277	none
CCDC152	0.274	0.2215	1.8865	0.08963	0.205	-4.94	-0.9423	none
PPDPF	0.34	0.2418	1.8862	0.08967	0.205	-4.94	-0.333	none
NDUFS4	-0.309	-0.3898	-1.886	0.08969	0.205	-4.94	0.46399	none
CHD8	0.532	0.5933	1.8856	0.08976	0.205	-4.94	-0.6501	none
DOLPP1	0.173	0.1597	1.8851	0.08983	0.205	-4.94	-0.4031	none
SETD2	0.558	0.6504	1.8849	0.08986	0.205	-4.94	-0.0247	none
TRPC3	0.227	0.1474	1.8848	0.08987	0.205	-4.94	-1.2522	none
CD55	0.18	0.0811	1.8847	0.08989	0.205	-4.94	-0.7788	none
ELK1	-0.247	-0.2152	-1.885	0.08989	0.205	-4.94	2.31183	AA-related
P2RY14	-0.247	-0.267	-1.884	0.08996	0.205	-4.94	0.32043	none
SETD1B	0.422	0.4764	1.884	0.08999	0.206	-4.94	-0.4365	none

SERPINB1	0.15	0.0485	1.8835	0.09007	0.206	-4.94	0.28588	none
CERS1	0.217	0.1643	1.8832	0.0901	0.206	-4.94	-0.387	none
KIAA0825	0.202	0.1593	1.8827	0.09018	0.206	-4.94	-0.6417	none
SEC63	0.427	0.4944	1.8825	0.09022	0.206	-4.94	-0.5929	none
IL22	-0.357	-0.2621	-1.882	0.09024	0.206	-4.95	1.18411	none
RNASEK-C	-0.371	-0.3735	-1.882	0.09026	0.206	-4.95	-0.5086	none
GIMAP6	-0.18	-0.2029	-1.881	0.09036	0.206	-4.95	1.8041	none
RGS11	0.213	0.1166	1.8815	0.09036	0.206	-4.95	0.4077	none
HERPUD1	0.149	0.0877	1.8814	0.09038	0.206	-4.95	-0.9397	none
ETNK1	0.294	0.2038	1.8813	0.09038	0.206	-4.95	-0.6047	none
PPP1R13B	0.487	0.4279	1.881	0.09044	0.206	-4.95	-0.9299	none
EDEM1	0.212	0.2116	1.8808	0.09047	0.206	-4.95	-0.7451	none
HHIP	0.328	0.2471	1.8802	0.09055	0.206	-4.95	-0.019	none
FGD3	0.444	0.4369	1.88	0.09058	0.207	-4.95	-0.4562	none
UBE2F-SCI	0.207	0.2525	1.8799	0.09059	0.207	-4.95	-0.4125	none
ZNF555	0.365	0.3321	1.8795	0.09066	0.207	-4.95	-0.3944	none
TTPA	0.14	0.1184	1.8794	0.09067	0.207	-4.95	-0.6178	none
GTF3C1	0.437	0.5024	1.8791	0.09071	0.207	-4.95	-0.4674	none
IFI6	-0.363	-0.4298	-1.879	0.09076	0.207	-4.95	0.99915	none
C1QBP	-0.298	-0.2668	-1.879	0.09079	0.207	-4.95	1.42553	none
PDZD8	0.483	0.4739	1.8782	0.09085	0.207	-4.95	-0.9939	none
C14ORF13	0.238	0.1997	1.8774	0.09097	0.207	-4.95	-0.2781	none
PAQR4	-0.164	-0.0427	-1.877	0.09098	0.207	-4.95	1.59318	none
SLC25A4	-0.243	-0.2334	-1.877	0.09103	0.207	-4.95	2.22516	AA-related
CASP6	0.249	0.1429	1.8767	0.09106	0.207	-4.95	-0.5697	none
NFKB2	0.37	0.4017	1.8765	0.0911	0.207	-4.95	-0.9917	none
SLC7A5	-0.176	-0.0522	-1.876	0.09112	0.207	-4.95	0.93593	none
LY6K	0.281	0.2235	1.8763	0.09112	0.207	-4.95	-1.2576	none
PRODH	0.333	0.2642	1.8762	0.09114	0.207	-4.95	-1.0997	none
NUBP1	-0.142	-0.0867	-1.875	0.09128	0.208	-4.96	0.27799	none
TM4SF5	-0.153	-0.085	-1.875	0.09136	0.208	-4.96	0.67925	none
CRYBB1	-0.293	-0.2029	-1.875	0.09137	0.208	-4.96	0.59095	none
ANXA5	-0.187	-0.2247	-1.875	0.09137	0.208	-4.96	1.66709	none
PSAT1	-0.191	-0.2297	-1.875	0.09139	0.208	-4.96	1.55352	none
SETX	0.589	0.6591	1.8745	0.09139	0.208	-4.96	-0.2117	none
AGR3	0.217	0.2171	1.8743	0.09142	0.208	-4.96	0.94619	none
RPL6	-0.192	-0.1124	-1.874	0.09143	0.208	-4.96	2.14451	AA-related
CALM1	-0.262	-0.1899	-1.873	0.09157	0.208	-4.96	0.99037	none
TIGD5	0.154	0.1212	1.8733	0.09157	0.208	-4.96	-1.1976	none
RECQL4	0.406	0.4647	1.873	0.09162	0.208	-4.96	-0.0798	none

SEMA3A	-0.398	-0.2692	-1.873	0.09164	0.208	-4.96	1.10395	none
DMXL1	0.406	0.4135	1.8728	0.09165	0.208	-4.96	-0.131	none
PGF	0.183	0.1182	1.8726	0.09168	0.208	-4.96	-0.6483	none
RGL2	0.216	0.1875	1.8724	0.0917	0.208	-4.96	0.46647	none
CENPC	0.502	0.4632	1.8722	0.09174	0.208	-4.96	-0.2112	none
BCL2L2-PA	-0.343	-0.3541	-1.872	0.09177	0.208	-4.96	0.97302	none
WTAP	0.156	0.0926	1.8713	0.09188	0.209	-4.96	-0.0297	none
MYCBP2	0.543	0.5903	1.8712	0.09188	0.209	-4.96	-0.4069	none
ASPN	-0.125	-0.0855	-1.871	0.09191	0.209	-4.96	0.99173	none
EPO	0.18	0.1346	1.8708	0.09195	0.209	-4.96	-0.3859	none
ZNF350	0.293	0.1879	1.8707	0.09196	0.209	-4.96	-0.8339	none
YARS2	0.164	0.102	1.8706	0.09198	0.209	-4.96	0.83596	none
MAFF	0.291	0.2914	1.8699	0.09208	0.209	-4.96	-0.0822	none
KLF5	0.298	0.3906	1.8697	0.09212	0.209	-4.96	-0.3332	none
TBC1D2B	0.362	0.2837	1.8696	0.09213	0.209	-4.96	0.19404	none
DEAF1	0.334	0.3313	1.8694	0.09216	0.209	-4.96	-0.2803	none
WBP2NL	0.417	0.2371	1.8691	0.09221	0.209	-4.96	-1.1171	none
NFRKB	0.442	0.5382	1.8689	0.09223	0.209	-4.96	-0.2294	none
FAM72B	0.386	0.3825	1.8681	0.09234	0.209	-4.97	-0.9937	none
STK4	0.449	0.4244	1.868	0.09237	0.209	-4.97	-0.2784	none
SLX4IP	0.274	0.2309	1.8678	0.0924	0.209	-4.97	-1.1245	none
SECISBP2	0.455	0.4775	1.8676	0.09242	0.209	-4.97	-0.5193	none
COA3	-0.244	-0.2689	-1.868	0.09243	0.209	-4.97	0.41757	none
COL4A2	0.284	0.2699	1.8676	0.09243	0.209	-4.97	-0.5279	none
FARP2	0.444	0.4754	1.867	0.09251	0.209	-4.97	-1.0789	none
VWC2	0.145	0.1138	1.8667	0.09257	0.21	-4.97	-1.2093	none
CTLA4	-0.186	-0.1468	-1.866	0.0926	0.21	-4.97	0.80358	none
LAG3	0.327	0.3974	1.8664	0.09261	0.21	-4.97	-0.1787	none
NXT1	-0.307	-0.2626	-1.865	0.09275	0.21	-4.97	1.49183	none
RNF25	0.35	0.3268	1.8654	0.09276	0.21	-4.97	-1.2061	none
NROB1	-0.279	-0.2322	-1.865	0.09277	0.21	-4.97	0.88317	none
TAS2R38	0.213	0.1506	1.8651	0.0928	0.21	-4.97	-0.7915	none
RASSF2	0.346	0.3089	1.8649	0.09284	0.21	-4.97	-1.0529	none
PCDH15	0.161	0.1064	1.8648	0.09285	0.21	-4.97	-0.1864	none
GRAMD4	0.371	0.4347	1.8646	0.09288	0.21	-4.97	-0.4909	none
BABAM1	0.208	0.1	1.8643	0.09292	0.21	-4.97	-0.3614	none
MT-ND4	0.485	0.5272	1.8642	0.09294	0.21	-4.97	-0.2379	none
NOC3L	0.443	0.4588	1.8642	0.09295	0.21	-4.97	-0.0657	none
ZNF800	0.553	0.4942	1.8637	0.09301	0.21	-4.97	0.40577	none
PI4KA	0.457	0.5223	1.8637	0.09302	0.21	-4.97	0.01984	none

RNF175	0.33	0.1756	1.8637	0.09302	0.21	-4.97	-0.1758	none
AC005042	0.263	0.1644	1.8634	0.09307	0.21	-4.97	-0.1272	none
GPR21	0.19	0.1175	1.8632	0.09309	0.21	-4.97	-0.6288	none
ZNF682	0.326	0.1476	1.8631	0.0931	0.21	-4.97	0.38149	none
TCOF1	0.6	0.7349	1.8631	0.0931	0.21	-4.97	-0.3121	none
AC008074	-0.369	-0.3159	-1.863	0.09312	0.21	-4.97	0.09796	none
GDPD5	0.392	0.4326	1.8626	0.09319	0.21	-4.97	-0.4023	none
YIPF7	-0.249	-0.169	-1.862	0.09322	0.21	-4.97	0.51509	none
EFHD1	0.721	0.6555	1.8622	0.09324	0.21	-4.97	-0.9059	none
TAF7L	0.152	0.1007	1.862	0.09327	0.21	-4.98	0.50266	none
B9D1	-0.227	-0.1707	-1.862	0.0933	0.211	-4.98	2.18656	AA-related
TMPO	0.384	0.4272	1.8615	0.09335	0.211	-4.98	0.52334	none
NEURL3	0.201	0.2138	1.8614	0.09336	0.211	-4.98	-0.4565	none
TRIAP1	-0.249	-0.2794	-1.861	0.09342	0.211	-4.98	1.89655	none
NUDT10	-0.189	-0.1426	-1.861	0.09342	0.211	-4.98	1.73877	none
GTF2A2	-0.283	-0.3203	-1.861	0.09347	0.211	-4.98	1.13344	none
VMP1	0.227	0.1279	1.8607	0.09347	0.211	-4.98	-0.7781	none
CUTA	-0.358	-0.3884	-1.861	0.09348	0.211	-4.98	2.1523	AA-related
KRTAP12-3	-0.264	-0.1763	-1.86	0.09356	0.211	-4.98	0.47004	none
BGN	0.466	0.3174	1.8601	0.09357	0.211	-4.98	-0.8092	none
ZNF575	0.292	0.2651	1.86	0.09357	0.211	-4.98	-0.2809	none
EXOG	0.265	0.1376	1.8599	0.09359	0.211	-4.98	0.32134	none
FAH	-0.188	-0.1856	-1.86	0.09362	0.211	-4.98	0.55835	none
ACTN1	0.443	0.4693	1.8597	0.09362	0.211	-4.98	0.28629	none
RPL18	-0.321	-0.3409	-1.859	0.09372	0.211	-4.98	0.90502	none
TTYH1	0.301	0.1987	1.859	0.09373	0.211	-4.98	0.7979	none
RBP5	0.375	0.3538	1.8586	0.09379	0.211	-4.98	-0.76	none
TDP1	0.322	0.2536	1.8586	0.09379	0.211	-4.98	-1.0148	none
DPH7	0.27	0.2081	1.8583	0.09383	0.211	-4.98	0.10867	none
KNL1	0.643	0.726	1.8582	0.09384	0.211	-4.98	0.42253	none
NUDT17	-0.304	-0.2862	-1.858	0.09389	0.211	-4.98	2.20161	AA-related
NPC2	-0.394	-0.4006	-1.858	0.09393	0.211	-4.98	0.56984	none
FAM120B	0.261	0.2717	1.8576	0.09395	0.211	-4.98	-0.416	none
ASCC1	-0.219	-0.2739	-1.857	0.09403	0.212	-4.98	-0.1022	none
ZP1	-0.195	-0.1337	-1.857	0.09405	0.212	-4.98	-0.5076	none
CRYAB	0.265	0.1986	1.8561	0.09417	0.212	-4.98	-0.1293	none
RPL8	-0.283	-0.2692	-1.856	0.09418	0.212	-4.98	1.95631	none
CIB1	-0.27	-0.2548	-1.856	0.09419	0.212	-4.98	1.16014	none
NPIP9	-0.201	-0.1517	-1.856	0.09421	0.212	-4.98	1.04469	none
KYAT3	-0.198	-0.1912	-1.856	0.09424	0.212	-4.98	2.28409	AA-related

HDLBP	0.664	0.7592	1.8556	0.09424	0.212	-4.98	-0.7252	none
SELP	0.207	0.145	1.8555	0.09426	0.212	-4.98	0.28182	none
SDC4	-0.228	-0.1933	-1.855	0.09431	0.212	-4.99	-0.0375	none
STX5	0.235	0.1253	1.8549	0.09436	0.212	-4.99	-0.5863	none
CEP164	0.369	0.3849	1.8544	0.09443	0.212	-4.99	0.22433	none
QRICH2	0.246	0.2032	1.8541	0.09448	0.212	-4.99	0.45378	none
TMPRSS11	-0.351	-0.2389	-1.854	0.09448	0.212	-4.99	0.90439	none
GAK	0.416	0.4588	1.8528	0.09468	0.213	-4.99	-0.1541	none
ANAPC13	-0.325	-0.3379	-1.853	0.09471	0.213	-4.99	1.96416	none
MPZL3	0.245	0.1095	1.8525	0.09472	0.213	-4.99	-1.1102	none
CT47A12	-0.173	-0.1631	-1.853	0.09472	0.213	-4.99	-0.2612	none
HS3ST2	0.273	0.1934	1.8523	0.09475	0.213	-4.99	-1.2006	none
CARD9	0.284	0.2738	1.8523	0.09475	0.213	-4.99	-0.355	none
RPL31	-0.355	-0.4119	-1.852	0.09479	0.213	-4.99	1.64318	none
RPS27L	-0.337	-0.4159	-1.852	0.09487	0.213	-4.99	1.05374	none
TERF1	0.327	0.2504	1.8511	0.09493	0.213	-4.99	-0.0504	none
ACYP2	0.373	0.2184	1.8511	0.09495	0.213	-4.99	-0.5309	none
RPS25	-0.328	-0.3682	-1.851	0.09496	0.213	-4.99	1.14876	none
ZSCAN9	0.155	0.1056	1.8507	0.09499	0.213	-4.99	0.53358	none
GPD1L	0.245	0.2029	1.8502	0.09507	0.213	-4.99	0.07011	none
FGF6	-0.233	-0.1576	-1.85	0.09509	0.213	-4.99	1.71112	none
NARF	0.292	0.1769	1.8501	0.0951	0.213	-4.99	-0.4726	none
PARVA	0.413	0.3379	1.8499	0.09512	0.213	-4.99	-0.0661	none
OR51L1	0.168	0.1183	1.8498	0.09513	0.213	-4.99	-1.0685	none
MAP3K9	0.256	0.26	1.8495	0.09519	0.213	-4.99	-1.0561	none
ATP2B1	0.413	0.4665	1.8493	0.09522	0.213	-4.99	-0.7381	none
HS6ST1	0.435	0.5093	1.8491	0.09525	0.213	-4.99	-0.4774	none
AKAP1	0.43	0.4347	1.8485	0.09534	0.213	-5	-0.6304	none
DNAJC3	0.399	0.3774	1.8484	0.09535	0.213	-5	-1.2396	none
ST6GALNA	0.485	0.4543	1.848	0.09541	0.214	-5	-0.0136	none
ANKRD44	0.372	0.3063	1.8479	0.09544	0.214	-5	-1.0257	none
S100Z	-0.24	-0.2226	-1.848	0.09545	0.214	-5	1.58536	none
COPS9	-0.355	-0.3486	-1.847	0.09562	0.214	-5	1.00982	none
SGSM1	0.345	0.2394	1.8466	0.09563	0.214	-5	-0.0199	none
MEGF8	0.279	0.2686	1.8463	0.09568	0.214	-5	-1.116	none
MAPK8IP3	0.371	0.4541	1.846	0.09572	0.214	-5	-0.0688	none
LRRC3	0.183	0.121	1.8459	0.09574	0.214	-5	-1.0676	none
SPI1	-0.154	-0.1291	-1.846	0.09575	0.214	-5	0.7773	none
SF3B1	0.374	0.3356	1.8457	0.09577	0.214	-5	-0.619	none
HIVEP3	0.436	0.5942	1.8457	0.09578	0.214	-5	-0.5768	none



PTGES2	0.159	0.1721	1.8454	0.09582	0.214	-5	0.21886	none
LAMB3	0.2	0.1718	1.8454	0.09582	0.214	-5	-0.0902	none
MEX3C	0.153	0.1185	1.8445	0.09595	0.214	-5	-0.1375	none
RPLP1	-0.34	-0.3598	-1.844	0.09597	0.214	-5	1.86529	none
TMTC1	0.142	0.1203	1.8444	0.09598	0.214	-5	-0.6325	none
FZD4	0.134	0.0933	1.8441	0.09602	0.215	-5	-1.2499	none
JAK1	0.512	0.5875	1.8434	0.09613	0.215	-5	0.48527	none
RPL36	-0.29	-0.2882	-1.843	0.09618	0.215	-5	1.76492	none
RPL30	-0.341	-0.4087	-1.843	0.09618	0.215	-5	1.55266	none
SF3B5	-0.3	-0.3179	-1.843	0.09623	0.215	-5	1.2139	none
SLC6A7	0.156	0.1562	1.8426	0.09625	0.215	-5	1.01859	none
SEC13	-0.144	-0.1162	-1.842	0.09631	0.215	-5	2.22001	AA-related
ACAT2	-0.262	-0.2505	-1.842	0.09632	0.215	-5	0.76925	none
BHLHE40	0.343	0.4044	1.8412	0.09647	0.215	-5.01	-0.6291	none
CHODL	0.169	0.1539	1.8406	0.09657	0.215	-5.01	-1.1172	none
POLR2F	-0.319	-0.3689	-1.84	0.09661	0.216	-5.01	0.92638	none
MASP2	0.36	0.2827	1.84	0.09666	0.216	-5.01	-0.8	none
NUDCD3	0.199	0.1606	1.8396	0.09673	0.216	-5.01	0.11346	none
AIG1	0.497	0.3014	1.8395	0.09674	0.216	-5.01	-0.9998	none
C6	-0.188	-0.1465	-1.839	0.09676	0.216	-5.01	-0.1108	none
CPLX4	0.156	0.1177	1.8394	0.09676	0.216	-5.01	-1.1243	none
G2E3	0.221	0.1247	1.839	0.09682	0.216	-5.01	-0.8211	none
PPP6R1	0.382	0.406	1.8387	0.09687	0.216	-5.01	-0.494	none
NGLY1	0.139	0.069	1.8383	0.09693	0.216	-5.01	0.49421	none
AMY2A	-0.167	-0.1403	-1.838	0.09695	0.216	-5.01	1.35324	none
IDH3G	-0.16	-0.1172	-1.838	0.09698	0.216	-5.01	1.07896	none
NFE2L3	0.353	0.3893	1.838	0.09698	0.216	-5.01	-0.6172	none
RPS3	-0.372	-0.3962	-1.838	0.09703	0.216	-5.01	0.9619	none
PRPF40B	0.342	0.3817	1.8373	0.09709	0.216	-5.01	-1.0909	none
TMEM211	-0.162	-0.1479	-1.837	0.09715	0.216	-5.01	-0.0217	none
ADAM10	0.406	0.3973	1.8364	0.09723	0.217	-5.01	-0.1378	none
TXNRD1	0.147	0.0826	1.8362	0.09725	0.217	-5.01	0.23374	none
MAGOHB	-0.371	-0.3728	-1.836	0.09729	0.217	-5.01	1.18547	none
RNF112	0.212	0.1478	1.8358	0.09732	0.217	-5.01	0.1841	none
DIS3L2	0.471	0.4297	1.8354	0.09739	0.217	-5.01	-0.7858	none
PIGU	-0.432	-0.3873	-1.835	0.09751	0.217	-5.02	2.22944	AA-related
MAN2B1	0.318	0.2788	1.8346	0.09752	0.217	-5.02	-0.1922	none
FRY	-0.412	-0.3047	-1.834	0.09767	0.217	-5.02	0.63239	none
RPP40	-0.359	-0.3569	-1.833	0.0977	0.217	-5.02	1.9077	none
INPP5A	0.304	0.2996	1.8331	0.09775	0.217	-5.02	0.54467	none

TYW1B	0.334	0.2429	1.833	0.09776	0.217	-5.02	-0.5077	none
CACNA2D1	0.169	0.1408	1.8323	0.09788	0.218	-5.02	0.17358	none
VAMP1	0.229	0.2013	1.8321	0.09791	0.218	-5.02	0.0906	none
PAK4	0.428	0.4129	1.8314	0.09802	0.218	-5.02	-0.3892	none
RIC8B	0.364	0.3353	1.8314	0.09803	0.218	-5.02	-0.2104	none
PGR	-0.179	-0.1225	-1.83	0.09822	0.218	-5.02	0.82582	none
ECI2	-0.217	-0.2269	-1.83	0.09822	0.218	-5.02	0.91644	none
TERB2	0.632	0.5536	1.8297	0.09829	0.218	-5.02	1.17226	none
TAL2	0.185	0.1475	1.8296	0.0983	0.218	-5.02	0.69671	none
CENPW	-0.338	-0.3477	-1.829	0.09834	0.218	-5.02	2.0921	AA-related
ARMCX6	-0.188	-0.1571	-1.829	0.09834	0.218	-5.02	1.55829	none
ELOVL5	-0.266	-0.293	-1.829	0.09839	0.218	-5.02	1.90952	none
PLEC	0.423	0.5051	1.829	0.0984	0.218	-5.02	-0.0132	none
PHF21A	0.361	0.454	1.8288	0.09844	0.219	-5.02	0.42875	none
CACNA1E	0.255	0.1715	1.8286	0.09846	0.219	-5.02	-0.1459	none
CCDC85C	0.229	0.1404	1.8283	0.09851	0.219	-5.02	-0.3051	none
TP53I3	-0.22	-0.1929	-1.828	0.09851	0.219	-5.02	1.9929	none
SCGB1D4	0.2	0.1998	1.8277	0.0986	0.219	-5.03	1.07091	none
PLAUR	0.26	0.1903	1.8272	0.09869	0.219	-5.03	-0.8034	none
OR52N4	0.277	0.1596	1.827	0.09873	0.219	-5.03	-0.7787	none
TBC1D14	0.301	0.3433	1.8262	0.09885	0.219	-5.03	-0.227	none
DCTN1	0.485	0.554	1.826	0.09889	0.219	-5.03	0.11525	none
MRPS28	0.287	0.1104	1.8255	0.09896	0.219	-5.03	-0.9965	none
YAP1	0.202	0.204	1.8251	0.09903	0.22	-5.03	0.18148	none
HNRNPH1	0.343	0.3983	1.825	0.09905	0.22	-5.03	-0.7496	none
ZNF692	0.296	0.3523	1.8246	0.09911	0.22	-5.03	-0.1856	none
SMYD5	0.21	0.1784	1.824	0.0992	0.22	-5.03	-0.0769	none
PCDHGA9	0.142	0.1458	1.8234	0.0993	0.22	-5.03	0.75431	none
PRRC1	0.336	0.2283	1.8233	0.09931	0.22	-5.03	-0.6564	none
AMOTL2	-0.208	-0.1654	-1.823	0.09933	0.22	-5.03	-0.157	none
CLDN9	0.148	0.0958	1.8225	0.09945	0.22	-5.03	0.18068	none
TNFRSF25	0.296	0.2035	1.8223	0.09947	0.22	-5.03	-0.7989	none
SNAI3	0.194	0.1007	1.8223	0.09948	0.22	-5.03	-0.1904	none
LMAN2L	-0.338	-0.3347	-1.822	0.09949	0.22	-5.03	1.77547	none
RWDD1	-0.175	-0.1647	-1.822	0.09949	0.22	-5.03	1.50151	none
ITGA4	0.291	0.2958	1.8221	0.0995	0.22	-5.03	0.93796	none
FBXO40	0.207	0.153	1.8219	0.09954	0.22	-5.03	-0.2505	none
ERBB3	0.54	0.3551	1.8216	0.09959	0.22	-5.03	-0.6028	none
CDK5	-0.265	-0.2711	-1.821	0.09964	0.22	-5.03	0.86676	none
CLPTM1	0.2	0.2082	1.8212	0.09965	0.22	-5.03	0.78396	none

RNF41	0.278	0.1532	1.8211	0.09966	0.22	-5.04	-0.3036	none
ODF3	0.28	0.1946	1.8208	0.09971	0.221	-5.04	-0.4359	none
ZBTB24	0.331	0.3468	1.8208	0.09971	0.221	-5.04	-0.9913	none
KIAA1755	0.151	0.1139	1.8206	0.09974	0.221	-5.04	-0.8873	none
GRHL2	-0.168	-0.1265	-1.821	0.09976	0.221	-5.04	-0.4503	none
PLEKHA4	0.323	0.2229	1.8199	0.09986	0.221	-5.04	-0.4871	none
TRAPPC12	-0.365	-0.134	-1.82	0.09987	0.221	-5.04	1.14554	none
DNAJC27	0.318	0.3597	1.8194	0.09994	0.221	-5.04	1.38717	none
KIAA0391	-0.202	-0.2418	-1.819	0.09995	0.221	-5.04	0.99795	none
POLN	0.425	0.271	1.8191	0.09999	0.221	-5.04	-0.935	none
CHD9	0.289	0.3141	1.8185	0.10009	0.221	-5.04	0.13648	none
FAM20C	-0.132	-0.1245	-1.818	0.10015	0.221	-5.04	-0.1307	none
TBC1D7	0.281	0.1744	1.818	0.10016	0.221	-5.04	-0.3232	none
RGL4	0.423	0.2226	1.8177	0.10022	0.221	-5.04	0.10895	none
TIMM13	-0.236	-0.2126	-1.817	0.10025	0.221	-5.04	1.22443	none
GNPNAT1	0.213	0.0825	1.8173	0.10028	0.221	-5.04	0.64515	none
APOBR	0.346	0.3536	1.817	0.10034	0.221	-5.04	-0.5621	none
VWA1	0.271	0.2935	1.8169	0.10035	0.221	-5.04	-0.0576	none
ATP10D	0.491	0.3829	1.8167	0.10037	0.222	-5.04	-0.5423	none
SHMT1	0.189	0.1224	1.8163	0.10045	0.222	-5.04	-0.3966	none
RANBP1	-0.153	-0.0432	-1.816	0.10045	0.222	-5.04	0.30885	none
BEX1	-0.183	-0.1503	-1.816	0.10057	0.222	-5.04	0.5215	none
GKAP1	0.646	0.4339	1.8154	0.10059	0.222	-5.04	-0.6227	none
MAGI1	0.169	0.1699	1.8153	0.10061	0.222	-5.04	-0.2342	none
AGAP4	0.724	0.6722	1.8153	0.10061	0.222	-5.04	-0.5423	none
NNAT	-0.181	-0.1337	-1.815	0.10066	0.222	-5.04	0.73771	none
NGEF	0.202	0.1429	1.8144	0.10076	0.222	-5.04	0.14946	none
CCDC189	-0.153	-0.1345	-1.814	0.10078	0.222	-5.05	0.32545	none
UBE2Z	0.361	0.2968	1.8142	0.10079	0.222	-5.05	0.31777	none
APOBEC2	0.354	0.2075	1.8141	0.1008	0.222	-5.05	-0.9435	none
ENPP2	0.164	0.1459	1.8141	0.10081	0.222	-5.05	0.72161	none
PRDM11	0.177	0.1461	1.8139	0.10084	0.222	-5.05	-0.4399	none
AMHR2	0.24	0.2413	1.8134	0.10092	0.222	-5.05	-0.868	none
CYP21A2	0.235	0.1823	1.8134	0.10092	0.222	-5.05	-0.3118	none
UBXN8	0.203	0.0616	1.8133	0.10093	0.222	-5.05	-0.5247	none
NDUFA13	-0.293	-0.2771	-1.813	0.10099	0.222	-5.05	0.708	none
LIN28B	0.338	0.2199	1.8128	0.10102	0.222	-5.05	-0.9111	none
ZNF337	0.301	0.2883	1.8127	0.10104	0.222	-5.05	-1.0176	none
BTBD3	-0.204	-0.219	-1.813	0.10104	0.222	-5.05	0.35159	none
NRL	0.158	0.1265	1.8126	0.10105	0.222	-5.05	-0.6253	none

LSR	0.337	0.1965	1.8121	0.10113	0.223	-5.05	-0.6348	none
ARL6IP4	-0.165	-0.102	-1.812	0.10113	0.223	-5.05	1.24011	none
REG4	-0.204	-0.2188	-1.812	0.10117	0.223	-5.05	1.33829	none
GMNN	-0.156	-0.1713	-1.812	0.10121	0.223	-5.05	1.34051	none
CIB2	0.555	0.2759	1.8106	0.10137	0.223	-5.05	-0.4832	none
SPPL2B	0.231	0.2608	1.8105	0.10139	0.223	-5.05	1.17878	none
NUDCD2	-0.273	-0.2955	-1.81	0.10143	0.223	-5.05	1.29534	none
JMJD8	0.244	0.2603	1.8098	0.1015	0.223	-5.05	-0.2722	none
CXORF40A	-0.227	-0.2111	-1.81	0.10154	0.223	-5.05	1.31166	none
SMS	-0.129	-0.1285	-1.809	0.10158	0.223	-5.05	1.6192	none
JMY	0.264	0.2805	1.8093	0.10159	0.223	-5.05	-0.545	none
STK40	0.229	0.2546	1.809	0.10164	0.223	-5.05	0.09168	none
THPO	-0.494	-0.3729	-1.809	0.10167	0.223	-5.05	0.41223	none
TMEM208	-0.348	-0.3621	-1.809	0.10167	0.223	-5.05	1.62837	none
MAMDC4	0.224	0.2367	1.8088	0.10168	0.223	-5.05	-0.7916	none
ARPC1A	-0.169	-0.1746	-1.809	0.10169	0.223	-5.05	1.22473	none
ARHGAP5	0.425	0.3983	1.8086	0.1017	0.223	-5.05	0.34016	none
SH3GLB2	0.225	0.2537	1.808	0.10181	0.224	-5.05	0.40458	none
LBHD1	0.259	0.1948	1.808	0.10181	0.224	-5.05	-0.6412	none
ZFYVE1	0.2	0.2148	1.8078	0.10183	0.224	-5.05	0.67749	none
PRSS21	0.377	0.3002	1.8076	0.10187	0.224	-5.05	-0.6423	none
TGIF1	0.218	0.1685	1.8074	0.1019	0.224	-5.05	-0.4278	none
TBCC	0.206	0.1655	1.8068	0.102	0.224	-5.06	-0.9794	none
AC021106	0.301	0.3111	1.8066	0.10204	0.224	-5.06	-0.038	none
PLCB2	0.452	0.3959	1.8066	0.10204	0.224	-5.06	-0.3983	none
OSBPL11	0.329	0.3842	1.8061	0.10212	0.224	-5.06	0.50071	none
SDR39U1	0.163	0.1114	1.8059	0.10215	0.224	-5.06	0.74519	none
SSPO	0.369	0.3599	1.8055	0.10221	0.224	-5.06	-0.5364	none
TMEM201	0.182	0.1589	1.8055	0.10222	0.224	-5.06	0.47462	none
XCL1	-0.199	-0.2073	-1.805	0.10225	0.224	-5.06	0.23006	none
FNDC5	0.274	0.198	1.8052	0.10226	0.224	-5.06	0.41627	none
C9ORF153	0.182	0.168	1.805	0.10229	0.224	-5.06	-0.6039	none
FAM71F1	0.212	0.2116	1.8046	0.10236	0.224	-5.06	-0.2744	none
PDGFC	0.208	0.1648	1.8045	0.10238	0.224	-5.06	-0.7504	none
AMER2	0.119	0.0932	1.8043	0.10242	0.224	-5.06	-0.1509	none
ZSCAN30	0.304	0.3715	1.8036	0.10253	0.225	-5.06	-0.5131	none
HFM1	-0.235	-0.16	-1.804	0.10253	0.225	-5.06	-0.129	none
PRDX4	-0.336	-0.3478	-1.804	0.10254	0.225	-5.06	1.02433	none
SOX12	0.162	0.1615	1.8032	0.1026	0.225	-5.06	-1.1058	none
ALDH9A1	-0.187	-0.2073	-1.803	0.10263	0.225	-5.06	1.08192	none

HOXB2	0.187	0.1459	1.803	0.10263	0.225	-5.06	0.64454	none
FKBP15	0.325	0.3746	1.8029	0.10265	0.225	-5.06	0.22543	none
PRCP	0.308	0.1467	1.8028	0.10267	0.225	-5.06	-0.8327	none
CLEC4E	0.151	0.1049	1.8026	0.10269	0.225	-5.06	0.58634	none
PEX13	0.218	0.0856	1.8023	0.10274	0.225	-5.06	-0.2754	none
OLA1	-0.158	-0.1931	-1.802	0.10276	0.225	-5.06	1.84557	none
ZDHHC14	0.303	0.1882	1.802	0.10279	0.225	-5.06	0.1746	none
SLC30A1	0.187	0.1396	1.8018	0.10283	0.225	-5.06	0.10571	none
GAL3ST4	0.225	0.1323	1.8017	0.10284	0.225	-5.06	-0.3645	none
PWP1	-0.151	-0.1467	-1.802	0.10287	0.225	-5.06	1.07526	none
RFT1	-0.252	-0.2721	-1.801	0.103	0.225	-5.06	0.73777	none
HIST1H4A	-0.333	-0.2942	-1.801	0.10301	0.225	-5.06	0.77133	none
MATR3	0.362	0.3337	1.8	0.10312	0.225	-5.07	0.095	none
RFC4	-0.157	-0.1337	-1.8	0.10321	0.226	-5.07	1.28758	none
CIAO1	-0.166	-0.1011	-1.799	0.10336	0.226	-5.07	0.89947	none
ATXN10	-0.137	-0.126	-1.798	0.10347	0.226	-5.07	1.38022	none
PCED1A	0.358	0.2212	1.7972	0.10359	0.226	-5.07	0.88946	none
PLCXD2	0.187	0.1668	1.797	0.10363	0.226	-5.07	-1.1824	none
C16ORF74	0.225	0.2032	1.7966	0.1037	0.226	-5.07	-0.4072	none
EPHA1	0.274	0.1509	1.7963	0.10374	0.227	-5.07	-1.2271	none
ISYNA1	-0.197	-0.1688	-1.796	0.10378	0.227	-5.07	1.70452	none
TIMELESS	0.306	0.3556	1.796	0.10379	0.227	-5.07	-0.0365	none
MOXD1	0.194	0.1725	1.796	0.10379	0.227	-5.07	0.44894	none
WDR44	0.285	0.3408	1.796	0.1038	0.227	-5.07	0.53308	none
CCDC106	-0.26	-0.1524	-1.796	0.10382	0.227	-5.07	1.6528	none
LZTR1	0.243	0.2675	1.7958	0.10383	0.227	-5.07	0.04756	none
TRDMT1	-0.283	-0.3133	-1.796	0.10385	0.227	-5.07	-0.0286	none
TUT1	0.199	0.1959	1.7955	0.10387	0.227	-5.07	0.19857	none
MBTPS2	0.265	0.1547	1.7955	0.10388	0.227	-5.07	-0.839	none
NRXN1	0.294	0.2551	1.7954	0.1039	0.227	-5.07	-0.1581	none
SH3BP4	0.262	0.2718	1.7952	0.10392	0.227	-5.07	-0.0851	none
CLP1	-0.256	-0.2329	-1.795	0.10393	0.227	-5.07	2.04744	none
TEX11	0.216	0.1571	1.7948	0.10399	0.227	-5.07	0.1012	none
TXNL1	-0.189	-0.2203	-1.793	0.10424	0.227	-5.08	1.59193	none
TBC1D3L	0.342	0.3553	1.7933	0.10424	0.227	-5.08	-0.3168	none
AQR	0.337	0.3054	1.793	0.10429	0.227	-5.08	-0.8192	none
COX7B	-0.272	-0.3329	-1.793	0.1043	0.227	-5.08	1.48988	none
CHD6	0.395	0.3644	1.793	0.1043	0.227	-5.08	-0.6742	none
CD84	0.397	0.3281	1.7929	0.10431	0.227	-5.08	-0.9783	none
PIEZO1	0.513	0.6148	1.7929	0.10432	0.227	-5.08	-0.3754	none

RNF19B	0.176	0.1652	1.7927	0.10435	0.227	-5.08	0.11962	none
PTH1R	0.151	0.1401	1.7927	0.10435	0.227	-5.08	0.40905	none
PEX7	0.366	0.1611	1.7921	0.10444	0.227	-5.08	-0.6027	none
UNC45A	0.277	0.2916	1.7921	0.10444	0.227	-5.08	-0.4553	none
TTI1	0.18	0.2445	1.792	0.10446	0.227	-5.08	-0.2314	none
STOML1	0.221	0.2027	1.7916	0.10453	0.228	-5.08	0.08465	none
TWF2	-0.188	-0.1564	-1.791	0.10459	0.228	-5.08	1.86596	none
SYT11	0.282	0.2734	1.7908	0.10466	0.228	-5.08	-0.6322	none
FGF7	0.176	0.1274	1.7906	0.1047	0.228	-5.08	-0.746	none
MKS1	-0.202	-0.1665	-1.791	0.10471	0.228	-5.08	0.96835	none
MSL3	0.206	0.1268	1.7897	0.10486	0.228	-5.08	-1.063	none
ANGEL1	0.196	0.1165	1.7896	0.10487	0.228	-5.08	-0.5519	none
KCTD12	0.155	0.171	1.7889	0.10499	0.228	-5.08	-0.0424	none
F11	-0.16	-0.1312	-1.789	0.10499	0.228	-5.08	0.50993	none
SBF1	0.335	0.3914	1.7889	0.10499	0.228	-5.08	-0.1664	none
NSMCE3	0.183	0.1269	1.7887	0.10502	0.228	-5.08	-1.2423	none
HEG1	0.265	0.3305	1.7885	0.10505	0.228	-5.08	0.91916	none
HJURP	0.321	0.3306	1.7883	0.10509	0.228	-5.08	0.3918	none
PTGDS	0.358	0.2757	1.7881	0.10512	0.228	-5.08	0.08212	none
PNOC	0.356	0.2912	1.7872	0.10527	0.229	-5.08	0.71987	none
KIF3C	-0.295	-0.1563	-1.787	0.10539	0.229	-5.09	0.71336	none
BLZF1	0.391	0.313	1.7863	0.10543	0.229	-5.09	-0.0889	none
ZDHHC1	0.148	0.2051	1.7862	0.10545	0.229	-5.09	0.86579	none
SETD4	0.388	0.241	1.7861	0.10546	0.229	-5.09	-0.274	none
CCDC88B	0.567	0.6289	1.7859	0.1055	0.229	-5.09	-0.4599	none
MTRNR2L	-0.19	-0.1851	-1.786	0.10551	0.229	-5.09	1.16715	none
PDIA6	-0.186	-0.1698	-1.786	0.10556	0.229	-5.09	1.45473	none
PRR12	0.351	0.4017	1.7852	0.10561	0.229	-5.09	-0.1077	none
ANKRD53	-0.263	-0.3146	-1.785	0.10561	0.229	-5.09	0.6135	none
ZNF420	0.337	0.1345	1.785	0.10565	0.229	-5.09	-0.1308	none
KCTD9	0.184	0.1095	1.7849	0.10566	0.229	-5.09	-1.0406	none
DNMT3L	-0.15	-0.0997	-1.785	0.10569	0.229	-5.09	-0.1475	none
RPL36A	-0.298	-0.3305	-1.784	0.10585	0.23	-5.09	1.22179	none
FGFR2	0.374	0.2366	1.7832	0.10595	0.23	-5.09	-0.6963	none
PPP3CB	-0.394	-0.3805	-1.783	0.10601	0.23	-5.09	1.68152	none
MRPL43	-0.271	-0.2606	-1.783	0.10604	0.23	-5.09	1.4427	none
RNF114	0.325	0.2095	1.782	0.10616	0.23	-5.09	-0.7085	none
REN	0.132	0.1319	1.782	0.10616	0.23	-5.09	0.75649	none
ISCU	-0.222	-0.2085	-1.781	0.10626	0.23	-5.09	1.82684	none
KISS1R	-0.193	-0.1316	-1.781	0.10633	0.23	-5.09	0.71241	none

LDB2	0.184	0.1861	1.7809	0.10635	0.23	-5.09	0.97429	none
OR2J3	0.141	0.0963	1.7808	0.10637	0.23	-5.09	-1.5539	OA-related
RPS15	-0.328	-0.3307	-1.781	0.10637	0.23	-5.09	2.2341	AA-related
OSR2	-0.224	-0.1965	-1.78	0.10644	0.231	-5.09	2.00256	none
RASGRP2	0.374	0.2659	1.7795	0.10659	0.231	-5.1	0.89894	none
GAL	0.308	0.3316	1.7795	0.1066	0.231	-5.1	1.67067	none
KMT2C	0.392	0.5318	1.7793	0.10662	0.231	-5.1	-0.5526	none
ZCCHC17	-0.187	-0.2188	-1.779	0.10663	0.231	-5.1	0.78159	none
RET	0.15	0.1977	1.779	0.10668	0.231	-5.1	0.65381	none
SURF4	-0.236	-0.231	-1.779	0.1067	0.231	-5.1	2.09788	AA-related
COPS6	0.208	0.136	1.7787	0.10673	0.231	-5.1	-0.8837	none
SLC6A13	-0.336	-0.3341	-1.778	0.10683	0.231	-5.1	1.15831	none
PANX2	0.253	0.2441	1.7773	0.10696	0.231	-5.1	-1.269	none
ZMAT2	-0.195	-0.1643	-1.777	0.10698	0.231	-5.1	2.08511	none
THOP1	0.26	0.308	1.7771	0.107	0.231	-5.1	-0.2452	none
SLTM	0.496	0.6022	1.7769	0.10704	0.231	-5.1	0.05052	none
ACTG2	0.246	0.0763	1.7765	0.10711	0.232	-5.1	0.0424	none
DGAT2L6	-0.16	-0.1553	-1.776	0.10712	0.232	-5.1	1.34828	none
RTF1	0.495	0.484	1.7764	0.10713	0.232	-5.1	-0.6813	none
TYMP	0.278	0.226	1.7762	0.10716	0.232	-5.1	-0.1043	none
NSMCE1	0.236	0.0768	1.7759	0.10722	0.232	-5.1	-0.2351	none
SCN4B	0.174	0.129	1.7754	0.10729	0.232	-5.1	0.06303	none
RTP3	-0.179	-0.1793	-1.775	0.10734	0.232	-5.1	0.8507	none
UHRF1	0.506	0.5775	1.7749	0.10738	0.232	-5.1	0.29336	none
IGBP1	-0.222	-0.2079	-1.775	0.1074	0.232	-5.1	1.14314	none
FAM200B	0.375	0.1538	1.7748	0.1074	0.232	-5.1	0.22895	none
GGTLC2	0.258	0.265	1.7746	0.10743	0.232	-5.1	1.58762	none
CDK2	-0.197	-0.2004	-1.774	0.10751	0.232	-5.1	2.09478	AA-related
RPS19	-0.256	-0.228	-1.774	0.10754	0.232	-5.1	0.98425	none
CEP250	0.378	0.4211	1.7739	0.10755	0.232	-5.1	0.18069	none
SLPI	-0.213	-0.1422	-1.774	0.10756	0.232	-5.1	1.24897	none
RHBDF1	-0.226	-0.1569	-1.774	0.10761	0.232	-5.1	0.17075	none
XKR8	0.266	0.1241	1.773	0.10771	0.232	-5.1	-0.7451	none
PSD	0.211	0.1377	1.773	0.10772	0.232	-5.1	1.36275	none
OTX1	-0.161	-0.1412	-1.773	0.10774	0.232	-5.1	-0.1018	none
TGFBRAP1	0.319	0.3704	1.7727	0.10776	0.232	-5.11	-0.2057	none
HRAS	0.155	0.1501	1.7726	0.10779	0.232	-5.11	-0.2508	none
NACC1	-0.332	-0.2081	-1.772	0.10781	0.232	-5.11	1.39217	none
TIMM10	-0.309	-0.3294	-1.772	0.10797	0.233	-5.11	1.01645	none
IL10RA	0.365	0.3311	1.7715	0.10797	0.233	-5.11	-0.1904	none

TEX264	-0.288	-0.2701	-1.771	0.10798	0.233	-5.11	1.7018	none
MRPS33	0.25	0.0842	1.7714	0.10798	0.233	-5.11	-0.8738	none
UROD	-0.229	-0.1933	-1.771	0.108	0.233	-5.11	2.21448	AA-related
MB	0.549	0.4659	1.7711	0.10805	0.233	-5.11	-0.292	none
PRKCB	0.34	0.3885	1.771	0.10805	0.233	-5.11	0.72747	none
PLCD1	0.338	0.2606	1.7709	0.10807	0.233	-5.11	-0.7285	none
RNASE7	-0.242	-0.2037	-1.771	0.10814	0.233	-5.11	1.25473	none
MGAT1	-0.209	-0.2122	-1.77	0.10823	0.233	-5.11	1.97408	none
PIK3R5	0.415	0.4128	1.7697	0.10828	0.233	-5.11	0.19409	none
BAG3	0.351	0.411	1.7694	0.10833	0.233	-5.11	-0.2634	none
PIP5K1B	0.173	0.1383	1.7692	0.10836	0.233	-5.11	-0.3791	none
LY9	0.305	0.133	1.7692	0.10838	0.233	-5.11	-0.7295	none
DRAM2	-0.335	-0.3532	-1.768	0.1085	0.234	-5.11	1.21324	none
FLNB	0.576	0.5772	1.7679	0.1086	0.234	-5.11	-0.3986	none
HIBCH	0.168	0.0987	1.7678	0.10862	0.234	-5.11	0.53997	none
PARBP	0.296	0.1905	1.7677	0.10864	0.234	-5.11	-0.49	none
RPL41	-0.341	-0.3877	-1.767	0.10872	0.234	-5.11	2.1759	AA-related
CTBP1	0.22	0.2786	1.7672	0.10873	0.234	-5.11	-0.195	none
ERP27	0.328	0.2715	1.7671	0.10874	0.234	-5.11	-0.8554	none
YPEL5	-0.242	-0.2677	-1.767	0.10875	0.234	-5.11	1.77329	none
TNFRSF12	0.386	0.3273	1.7666	0.10882	0.234	-5.11	-0.1531	none
TMEM86B	0.339	0.3377	1.7665	0.10883	0.234	-5.11	-0.9608	none
HCFC1	0.532	0.6722	1.7662	0.1089	0.234	-5.11	-0.0993	none
KCTD15	-0.243	-0.1581	-1.766	0.10891	0.234	-5.11	1.19645	none
SPON1	-0.181	-0.1439	-1.766	0.10893	0.234	-5.11	0.17318	none
CMPK1	-0.186	-0.2143	-1.766	0.10896	0.234	-5.12	1.99098	none
SNRPG	-0.292	-0.3149	-1.766	0.10901	0.234	-5.12	0.94955	none
IL23R	0.322	0.2673	1.7652	0.10907	0.234	-5.12	-0.6349	none
PTPRO	-0.175	-0.1556	-1.765	0.10909	0.234	-5.12	1.92345	none
PSTK	0.311	0.2629	1.7651	0.10909	0.234	-5.12	-0.8415	none
CHCHD7	-0.261	-0.2958	-1.765	0.10912	0.234	-5.12	1.08775	none
CCL14	-0.183	-0.1292	-1.764	0.10926	0.235	-5.12	0.72952	none
PGAP3	0.221	0.186	1.7634	0.10938	0.235	-5.12	1.01615	none
FAM229A	-0.266	-0.2148	-1.763	0.10938	0.235	-5.12	0.70377	none
VRTN	-0.17	-0.1291	-1.763	0.10952	0.235	-5.12	0.2379	none
NAT9	0.258	0.2287	1.7623	0.10959	0.235	-5.12	-0.272	none
PBK	-0.332	-0.311	-1.762	0.10961	0.235	-5.12	2.06613	none
STX11	0.134	0.1344	1.7621	0.10962	0.235	-5.12	0.40145	none
BCL9L	0.546	0.6091	1.762	0.10963	0.235	-5.12	-0.5194	none
KIF14	0.475	0.5296	1.7613	0.10976	0.235	-5.12	-0.1056	none



FBXO11	0.465	0.4529	1.7607	0.10986	0.236	-5.12	-0.7017	none
ECSCR	-0.248	-0.2495	-1.761	0.10989	0.236	-5.12	-0.561	none
IVNS1ABP	0.126	0.1182	1.7603	0.10993	0.236	-5.12	0.30383	none
KRBA1	0.264	0.3149	1.7597	0.11003	0.236	-5.12	0.33906	none
CFH	0.287	0.1817	1.7595	0.11007	0.236	-5.12	-0.832	none
TRIM62	0.39	0.3019	1.7593	0.11011	0.236	-5.12	-0.4767	none
MAP7	0.356	0.457	1.7592	0.11013	0.236	-5.12	-0.2268	none
AASS	0.29	0.2571	1.7585	0.11024	0.236	-5.13	-1.0893	none
AGTPBP1	0.269	0.2552	1.7585	0.11025	0.236	-5.13	0.63401	none
PRDM4	0.305	0.3673	1.7579	0.11035	0.236	-5.13	0.59274	none
SLC28A3	-0.253	-0.1552	-1.758	0.11037	0.236	-5.13	0.5414	none
ZNF280B	0.207	0.173	1.7575	0.11043	0.237	-5.13	0.15294	none
5-Mar	-0.571	-0.4693	-1.757	0.11045	0.237	-5.13	2.20606	AA-related
JMJD1C	0.487	0.5668	1.7573	0.11046	0.237	-5.13	-0.2005	none
TOMM7	-0.343	-0.3805	-1.757	0.1105	0.237	-5.13	0.73533	none
SPTBN4	0.201	0.1806	1.7569	0.11052	0.237	-5.13	-0.6729	none
SLC6A12	0.272	0.221	1.7567	0.11057	0.237	-5.13	0.05647	none
MUL1	-0.184	-0.1674	-1.757	0.11057	0.237	-5.13	1.11437	none
PPP1R35	-0.436	-0.4337	-1.756	0.11065	0.237	-5.13	0.98412	none
IL13	-0.291	-0.2104	-1.756	0.11065	0.237	-5.13	0.85546	none
COPB1	0.187	0.0785	1.756	0.11069	0.237	-5.13	0.9123	none
GINM1	0.204	0.0959	1.7559	0.11071	0.237	-5.13	-0.6817	none
DNAH2	0.243	0.1432	1.7555	0.11077	0.237	-5.13	-1.0823	none
BPGM	-0.182	-0.2047	-1.755	0.11079	0.237	-5.13	0.32611	none
ANO8	-0.148	-0.0938	-1.755	0.11081	0.237	-5.13	-0.1456	none
SLC22A8	0.164	0.1644	1.7551	0.11086	0.237	-5.13	1.02679	none
ADGRE5	0.342	0.2721	1.7549	0.11088	0.237	-5.13	-0.6744	none
ARG2	-0.35	-0.2743	-1.755	0.11093	0.237	-5.13	2.1524	AA-related
STYXL1	-0.163	-0.2269	-1.755	0.11095	0.237	-5.13	0.18904	none
THUMPD1	0.315	0.3089	1.7544	0.11099	0.237	-5.13	-0.416	none
MTFP1	-0.231	-0.1838	-1.754	0.11099	0.237	-5.13	1.64871	none
RPL26L1	0.218	0.0669	1.7542	0.11102	0.237	-5.13	-0.2342	none
MRPL37	-0.245	-0.2083	-1.754	0.11106	0.237	-5.13	0.90883	none
SPEG	0.157	0.0634	1.7539	0.11107	0.237	-5.13	-0.4519	none
SHD	0.296	0.231	1.7537	0.1111	0.237	-5.13	0.40111	none
B4GALT5	0.166	0.1466	1.7522	0.11137	0.238	-5.13	-0.9673	none
ITGAV	0.301	0.385	1.7522	0.11138	0.238	-5.13	-0.5518	none
RRN3	0.173	0.1452	1.7521	0.11139	0.238	-5.13	-0.2947	none
STX17	0.237	0.1915	1.7514	0.11152	0.238	-5.14	1.01099	none
WDHD1	0.389	0.4047	1.7512	0.11155	0.238	-5.14	-0.0838	none

YES1	0.34	0.2982	1.7511	0.11156	0.238	-5.14	0.18293	none
ZFC3H1	0.439	0.4797	1.751	0.11159	0.238	-5.14	-0.5919	none
HMX1	-0.164	-0.1261	-1.751	0.11166	0.238	-5.14	1.20213	none
KATNAL1	0.142	0.0713	1.7501	0.11174	0.238	-5.14	-0.2733	none
GSTK1	-0.225	-0.2346	-1.75	0.11175	0.238	-5.14	1.06192	none
ZDHHC22	-0.165	-0.1508	-1.75	0.11179	0.238	-5.14	1.36672	none
INTS5	-0.301	-0.3051	-1.75	0.11179	0.238	-5.14	2.1559	AA-related
CYP4F22	-0.124	-0.0905	-1.75	0.11183	0.238	-5.14	1.65279	none
CCDC6	0.372	0.3759	1.7496	0.11184	0.238	-5.14	-0.0792	none
MED12	0.346	0.3781	1.7495	0.11186	0.238	-5.14	-0.5182	none
PITPNM1	0.364	0.4214	1.7492	0.1119	0.238	-5.14	-0.729	none
PRDM10	0.274	0.2934	1.749	0.11194	0.239	-5.14	0.15396	none
RELL2	0.199	0.2157	1.7488	0.11197	0.239	-5.14	0.30135	none
MT1X	-0.377	-0.3739	-1.749	0.11203	0.239	-5.14	2.28873	AA-related
PPP1R9A	0.14	0.1155	1.7484	0.11205	0.239	-5.14	-1.4172	none
GPA33	0.29	0.1499	1.7483	0.11206	0.239	-5.14	1.04376	none
BTK	-0.315	-0.1952	-1.748	0.11206	0.239	-5.14	0.77171	none
DPY30	-0.254	-0.2949	-1.748	0.11212	0.239	-5.14	1.31371	none
DDA1	-0.221	-0.1732	-1.748	0.11213	0.239	-5.14	0.65841	none
TCERG1	0.541	0.6372	1.7479	0.11214	0.239	-5.14	0.14584	none
ASXL2	0.539	0.5781	1.7479	0.11214	0.239	-5.14	-0.4851	none
SLC25A26	0.228	0.1026	1.7478	0.11217	0.239	-5.14	-0.2307	none
BLVRA	-0.264	-0.2241	-1.747	0.11222	0.239	-5.14	1.96939	none
DDR1	0.376	0.3256	1.7474	0.11223	0.239	-5.14	-0.3436	none
POLR2L	-0.234	-0.2269	-1.747	0.11228	0.239	-5.14	0.68096	none
ATXN2L	0.406	0.4462	1.747	0.11231	0.239	-5.14	-0.4838	none
BCDIN3D	0.24	0.1519	1.7466	0.11238	0.239	-5.14	-0.098	none
DCST2	-0.159	-0.1039	-1.746	0.11241	0.239	-5.14	1.97408	none
ANKRD1	-0.119	-0.0834	-1.746	0.11242	0.239	-5.14	0.81131	none
FAM72D	-0.372	-0.2358	-1.746	0.11246	0.239	-5.14	0.53665	none
KMT5A	0.352	0.4289	1.7461	0.11246	0.239	-5.14	-0.3667	none
SNAPC5	0.205	0.1166	1.746	0.11248	0.239	-5.14	-0.294	none
POLR3K	0.21	0.1127	1.7456	0.11255	0.239	-5.14	-0.9709	none
CDCA5	-0.163	-0.1214	-1.746	0.11257	0.239	-5.14	2.08448	none
UTP6	0.137	0.0795	1.7454	0.11258	0.239	-5.14	0.60106	none
MRPL28	-0.199	-0.1637	-1.745	0.11265	0.239	-5.14	1.34256	none
CLEC18C	-0.214	-0.1323	-1.744	0.11279	0.24	-5.15	-0.1931	none
PACRGL	0.511	0.3789	1.7443	0.1128	0.24	-5.15	0.15433	none
IL3	0.321	0.4617	1.7441	0.11283	0.24	-5.15	0.63795	none
ANKRD28	0.447	0.4811	1.744	0.11284	0.24	-5.15	0.40238	none

PRKACB	-0.225	-0.248	-1.744	0.11286	0.24	-5.15	1.28377	none
RELB	0.207	0.1914	1.7435	0.11293	0.24	-5.15	0.04734	none
ETV6	0.352	0.3654	1.743	0.11303	0.24	-5.15	-1.0489	none
COL20A1	0.187	0.1637	1.7427	0.11308	0.24	-5.15	0.68625	none
RAX	-0.183	-0.1686	-1.743	0.11311	0.24	-5.15	1.31308	none
VPS13C	0.361	0.3108	1.7423	0.11315	0.24	-5.15	-0.7409	none
SF3B4	0.168	0.1871	1.7419	0.11322	0.24	-5.15	0.33597	none
NIT2	-0.222	-0.218	-1.742	0.11323	0.24	-5.15	1.2059	none
SPATA13	0.339	0.3538	1.7416	0.11327	0.24	-5.15	-0.645	none
STIP1	0.507	0.5694	1.7415	0.11329	0.24	-5.15	-0.4568	none
ASRGL1	0.33	0.2809	1.7415	0.1133	0.24	-5.15	-0.1542	none
NDUFS2	-0.152	-0.1488	-1.741	0.11343	0.24	-5.15	1.24691	none
TMEM18	-0.234	-0.2313	-1.74	0.11362	0.241	-5.15	1.88612	none
ZNF700	0.3	0.269	1.7395	0.11366	0.241	-5.15	-0.0884	none
ZFP62	0.322	0.3084	1.7393	0.11369	0.241	-5.15	0.93931	none
COLQ	0.213	0.1787	1.7393	0.1137	0.241	-5.15	-0.1192	none
AC233755	-0.516	-0.4828	-1.739	0.11373	0.241	-5.15	0.83202	none
KSR2	0.127	0.1107	1.7386	0.11383	0.241	-5.15	-1.2832	none
SPATC1	0.169	0.1298	1.7379	0.11394	0.241	-5.15	-0.1969	none
FAM186B	-0.137	-0.0736	-1.738	0.11398	0.241	-5.16	0.87241	none
CBLN3	-0.184	-0.0662	-1.738	0.114	0.241	-5.16	0.27652	none
SOS2	0.252	0.2215	1.7373	0.11406	0.242	-5.16	-0.4368	none
PYCR1	0.163	0.1385	1.7369	0.11414	0.242	-5.16	-0.0901	none
GPR35	0.251	0.2531	1.7356	0.11437	0.242	-5.16	-0.2066	none
GCHFR	-0.304	-0.2818	-1.735	0.11441	0.242	-5.16	0.7918	none
SS18L1	0.25	0.3187	1.7354	0.11441	0.242	-5.16	-0.4137	none
LTBP3	0.366	0.296	1.7352	0.11444	0.242	-5.16	-0.8274	none
KIF5C	0.229	0.2752	1.735	0.11448	0.242	-5.16	-0.0953	none
NKAPL	0.149	0.1207	1.735	0.11448	0.242	-5.16	-0.6686	none
TRIM38	0.286	0.2682	1.7348	0.11452	0.242	-5.16	-0.9075	none
OVOL3	-0.201	-0.1472	-1.734	0.11464	0.242	-5.16	1.67977	none
UBE2N	-0.269	-0.2883	-1.734	0.11467	0.242	-5.16	1.05874	none
BMP4	0.205	0.1358	1.734	0.11467	0.242	-5.16	-0.2226	none
PRX	0.225	0.1998	1.7337	0.11473	0.243	-5.16	-0.1444	none
DDO	-0.13	-0.0877	-1.734	0.11474	0.243	-5.16	0.45659	none
COMMD7	-0.22	-0.1986	-1.733	0.11486	0.243	-5.16	1.24719	none
NCBP2-AS1	0.208	0.1602	1.7328	0.11488	0.243	-5.16	-0.475	none
MYO1H	0.234	0.2884	1.7325	0.11494	0.243	-5.16	0.64996	none
TMEM71	0.347	0.2039	1.7324	0.11496	0.243	-5.16	-0.832	none
NPAS2	0.3	0.2291	1.7324	0.11496	0.243	-5.16	-0.9638	none

NPIPA7	0.806	0.6313	1.7323	0.11497	0.243	-5.16	-0.1604	none
ARHGAP1C	0.243	0.2894	1.732	0.11503	0.243	-5.16	0.29802	none
IFT81	0.422	0.3101	1.7318	0.11507	0.243	-5.16	-0.7412	none
RPS18	-0.335	-0.3786	-1.732	0.11507	0.243	-5.16	1.92288	none
COX15	0.177	0.1125	1.7317	0.11509	0.243	-5.16	-0.7192	none
INS	-0.196	-0.1304	-1.732	0.1151	0.243	-5.16	-0.0086	none
C17ORF49	-0.267	-0.2568	-1.732	0.11511	0.243	-5.16	1.70626	none
VPS13A	0.588	0.5863	1.7307	0.11527	0.243	-5.17	-0.8485	none
PDE6B	0.317	0.2006	1.7306	0.11528	0.243	-5.17	0.60921	none
MTMR9	0.149	0.1242	1.7303	0.11534	0.243	-5.17	0.12676	none
HAPLN1	0.439	0.2825	1.7302	0.11537	0.243	-5.17	-0.8921	none
CDK6	0.163	0.1849	1.73	0.11541	0.243	-5.17	0.79354	none
SLC2A7	-0.127	-0.1092	-1.73	0.11545	0.244	-5.17	2.3646	AA-related
HNRNPA0	-0.15	-0.1422	-1.729	0.11549	0.244	-5.17	1.27637	none
RBL1	0.311	0.3279	1.7294	0.11552	0.244	-5.17	-0.0802	none
CRB3	-0.275	-0.1633	-1.729	0.11553	0.244	-5.17	1.75797	none
OPTN	0.427	0.4459	1.7292	0.11555	0.244	-5.17	-0.3807	none
HK2	0.383	0.4763	1.7283	0.11571	0.244	-5.17	0.3627	none
PLOD2	0.161	0.1495	1.7281	0.11575	0.244	-5.17	-0.1163	none
TEN1-CDK	0.287	0.2518	1.7279	0.11579	0.244	-5.17	-0.6774	none
CNIH4	-0.349	-0.4019	-1.728	0.11581	0.244	-5.17	0.95088	none
UBALD2	-0.414	-0.3557	-1.728	0.11583	0.244	-5.17	1.47827	none
ANAPC15	0.132	0.1069	1.7273	0.1159	0.244	-5.17	-0.1272	none
MAGIX	0.339	0.2155	1.7272	0.11592	0.244	-5.17	-0.4802	none
CCHCR1	0.228	0.1823	1.7271	0.11593	0.244	-5.17	-0.4545	none
SPAG5	0.564	0.6495	1.7267	0.11601	0.244	-5.17	-0.4638	none
ABO	0.255	0.2195	1.7265	0.11605	0.244	-5.17	-0.7861	none
USP8	0.617	0.6032	1.7264	0.11606	0.244	-5.17	-0.3935	none
ANKRD36	0.298	0.1441	1.7261	0.11612	0.244	-5.17	-0.5754	none
POLRMT	-0.305	-0.1352	-1.726	0.11613	0.244	-5.17	1.09007	none
OTP	0.135	0.1363	1.7252	0.11629	0.245	-5.17	0.96251	none
GOLGA6B	0.358	0.2276	1.7251	0.1163	0.245	-5.17	-0.3459	none
PCK2	0.148	0.1028	1.7243	0.11646	0.245	-5.17	-0.3886	none
PSG1	0.184	0.2087	1.724	0.11651	0.245	-5.17	-0.4702	none
CTPS1	0.124	0.1104	1.724	0.11652	0.245	-5.17	0.04143	none
PPA2	-0.183	-0.2228	-1.723	0.11661	0.245	-5.18	1.1201	none
TMEM43	0.198	0.1998	1.7234	0.11662	0.245	-5.18	0.14946	none
IP6K1	-0.224	-0.1896	-1.723	0.11665	0.245	-5.18	1.58736	none
HIST2H2A	-0.593	-0.6505	-1.723	0.11678	0.246	-5.18	0.65201	none
PDCD10	-0.22	-0.2339	-1.722	0.11685	0.246	-5.18	1.1103	none

IL1RN	-0.308	-0.2444	-1.722	0.11692	0.246	-5.18	1.36114	none
PEX3	-0.224	-0.1892	-1.722	0.11693	0.246	-5.18	1.10138	none
SNAP23	0.246	0.0907	1.7217	0.11694	0.246	-5.18	0.24469	none
ALOX15B	0.242	0.1593	1.7217	0.11694	0.246	-5.18	-1.0055	none
LMNB1	0.418	0.5126	1.7217	0.11694	0.246	-5.18	0.6444	none
USP46	0.37	0.1964	1.7214	0.11699	0.246	-5.18	-0.9955	none
POGLUT1	0.176	0.169	1.7213	0.11702	0.246	-5.18	-0.7126	none
PXDC1	-0.169	-0.1669	-1.721	0.11709	0.246	-5.18	0.02749	none
CTDSPL	0.605	0.4101	1.7204	0.11718	0.246	-5.18	-0.2419	none
MRPL27	-0.208	-0.1959	-1.72	0.11721	0.246	-5.18	0.83386	none
ANKRD61	0.128	0.1443	1.7199	0.11728	0.246	-5.18	-0.1234	none
CRIP2	-0.295	-0.1946	-1.72	0.11732	0.246	-5.18	1.8286	none
CCNH	-0.215	-0.216	-1.72	0.11732	0.246	-5.18	2.08239	none
ARHGDI1	0.189	0.2081	1.7195	0.11735	0.246	-5.18	0.99908	none
GPRC5B	-0.176	-0.1468	-1.72	0.11735	0.246	-5.18	1.58652	none
PRKAA2	0.122	0.0824	1.7192	0.1174	0.246	-5.18	-1.2447	none
SSX7	0.199	0.1158	1.7174	0.11774	0.247	-5.18	-1.0749	none
SYN3	0.408	0.34	1.7168	0.11787	0.247	-5.19	-0.5525	none
CBY3	0.145	0.1452	1.7166	0.11789	0.247	-5.19	-0.3557	none
MDK	-0.158	-0.102	-1.717	0.1179	0.247	-5.19	-0.1812	none
PSMD11	-0.159	-0.0865	-1.716	0.11796	0.247	-5.19	0.36268	none
KIF17	0.325	0.2418	1.7161	0.11799	0.247	-5.19	0.21639	none
C18ORF54	0.233	0.2531	1.716	0.11801	0.247	-5.19	0.47363	none
DCTN2	0.211	0.1628	1.7156	0.11809	0.248	-5.19	0.61924	none
GHRHR	0.244	0.2376	1.7155	0.11811	0.248	-5.19	-0.5038	none
MYPOP	0.149	0.1764	1.7153	0.11813	0.248	-5.19	0.13752	none
HSD3B7	0.235	0.1572	1.7151	0.11818	0.248	-5.19	-0.2512	none
LTBP2	-0.171	-0.1538	-1.715	0.11821	0.248	-5.19	1.0703	none
MIA	0.464	0.382	1.7147	0.11826	0.248	-5.19	-1.0047	none
PSG6	-0.168	-0.0989	-1.714	0.1183	0.248	-5.19	2.19802	AA-related
NECAP2	-0.189	-0.2034	-1.714	0.1184	0.248	-5.19	1.14324	none
SLC4A10	-0.183	-0.0962	-1.714	0.11846	0.248	-5.19	2.36738	AA-related
ZNF335	0.369	0.4417	1.7129	0.1186	0.248	-5.19	-0.6581	none
JUNB	-0.108	-0.0499	-1.713	0.1186	0.248	-5.19	1.57848	none
ARHGAP11	0.238	0.2009	1.7128	0.11862	0.248	-5.19	1.20964	none
PRDM1	0.381	0.4341	1.7127	0.11863	0.248	-5.19	-0.7132	none
TFB2M	-0.331	-0.3053	-1.712	0.11867	0.248	-5.19	1.79267	none
NFYC	0.243	0.1908	1.7124	0.11868	0.248	-5.19	-0.7654	none
PHF14	0.476	0.4749	1.7119	0.11878	0.248	-5.19	0.08977	none
SERTAD1	-0.221	-0.1924	-1.712	0.11881	0.249	-5.19	1.23729	none

NCAPD2	0.444	0.4901	1.7117	0.11882	0.249	-5.19	-0.3695	none
P2RY10	-0.252	-0.2905	-1.712	0.11885	0.249	-5.19	2.11196	AA-related
UBL7	-0.203	-0.1922	-1.711	0.1189	0.249	-5.19	1.8725	none
FBXO22	0.299	0.089	1.7112	0.11892	0.249	-5.19	-0.5795	none
ADPRM	0.262	0.0799	1.7108	0.11899	0.249	-5.19	0.68775	none
DDX27	0.492	0.6103	1.7107	0.11901	0.249	-5.19	-0.4555	none
CLHC1	0.323	0.2509	1.7103	0.11909	0.249	-5.19	-0.6383	none
TINAGL1	0.246	0.1969	1.71	0.11915	0.249	-5.19	-0.9571	none
SATB1	0.32	0.3474	1.7098	0.11918	0.249	-5.19	-0.0431	none
RPS26	-0.339	-0.3601	-1.709	0.11927	0.249	-5.2	1.99767	none
HPGD	0.175	0.0276	1.7092	0.1193	0.249	-5.2	0.84064	none
DAZAP2	-0.213	-0.2541	-1.709	0.11943	0.249	-5.2	0.60293	none
ADAMTSL4	0.212	0.1757	1.7084	0.11944	0.249	-5.2	-0.8315	none
FOXR1	-0.209	-0.1759	-1.708	0.11945	0.249	-5.2	0.89101	none
CXCL8	-0.559	-0.4937	-1.708	0.11953	0.25	-5.2	0.99565	none
FIBCD1	0.23	0.1869	1.7079	0.11954	0.25	-5.2	-0.1852	none
CSK	-0.198	-0.1205	-1.708	0.11962	0.25	-5.2	1.67592	none
PRIM2	0.368	0.2028	1.7069	0.11973	0.25	-5.2	-0.2909	none
HNRNPUL1	0.652	0.7313	1.706	0.1199	0.25	-5.2	0.03093	none
ATF4	-0.175	-0.0758	-1.706	0.11995	0.25	-5.2	1.52463	none
LCA5	0.156	0.1039	1.7055	0.12	0.25	-5.2	-0.9755	none
MRPL49	0.253	0.1558	1.7045	0.1202	0.251	-5.2	-1.1534	none
ZFP91	0.231	0.2437	1.7043	0.12024	0.251	-5.2	0.22324	none
SNX5	0.165	0.1481	1.7042	0.12025	0.251	-5.2	-0.9376	none
COQ2	0.278	0.206	1.7042	0.12026	0.251	-5.2	0.73775	none
USP11	0.254	0.2055	1.7041	0.12026	0.251	-5.2	0.04538	none
ARHGAP11	0.486	0.5791	1.7039	0.12031	0.251	-5.2	0.81292	none
DIS3	0.359	0.4135	1.7034	0.1204	0.251	-5.2	-0.0877	none
MLEC	0.358	0.3534	1.7033	0.12042	0.251	-5.2	0.1328	none
C8ORF74	0.32	0.2408	1.7028	0.12051	0.251	-5.2	-0.7238	none
KIAA1671	0.276	0.256	1.7027	0.12054	0.251	-5.2	-0.384	none
GPR63	0.151	0.0969	1.7027	0.12054	0.251	-5.2	0.24285	none
DUSP6	-0.185	-0.0599	-1.702	0.12063	0.251	-5.21	1.5779	none
CNIH2	0.369	0.3048	1.7021	0.12065	0.251	-5.21	-0.4575	none
NUDT16L1	-0.224	-0.2029	-1.701	0.12083	0.252	-5.21	2.0547	none
RNF122	-0.142	-0.1268	-1.701	0.12084	0.252	-5.21	1.22138	none
LRRC56	0.26	0.1423	1.7011	0.12084	0.252	-5.21	-1.0847	none
SMC1A	0.653	0.7491	1.7005	0.12095	0.252	-5.21	0.21109	none
THBS3	0.278	0.2226	1.6999	0.12108	0.252	-5.21	-0.531	none
HIST1H4H	0.178	-0.0244	1.6996	0.12113	0.252	-5.21	-0.5885	none

KIF12	0.187	0.152	1.6996	0.12114	0.252	-5.21	0.72857	none
CHURC1	-0.259	-0.3237	-1.699	0.12118	0.252	-5.21	0.71614	none
PABPC1L	0.25	0.2615	1.6992	0.12122	0.252	-5.21	-0.6154	none
SEPHS1	0.255	0.2189	1.6987	0.12131	0.252	-5.21	-0.6453	none
EPX	0.144	0.1009	1.6985	0.12134	0.252	-5.21	-1.323	none
GM2A	0.142	0.0644	1.6984	0.12137	0.252	-5.21	-0.7036	none
ZNF460	0.225	0.1954	1.698	0.12144	0.253	-5.21	-0.7466	none
MRPS34	-0.169	-0.1103	-1.698	0.12147	0.253	-5.21	1.91033	none
NOC4L	-0.155	-0.1243	-1.698	0.12152	0.253	-5.21	1.92078	none
MRPL19	-0.19	-0.1662	-1.697	0.1217	0.253	-5.21	2.1971	AA-related
GCG	0.191	0.1275	1.6964	0.12175	0.253	-5.21	-0.6396	none
UFSP1	0.25	0.1293	1.6956	0.1219	0.253	-5.21	0.09701	none
STAB2	-0.375	-0.2263	-1.695	0.12194	0.253	-5.22	1.12791	none
HADHB	-0.145	-0.1793	-1.695	0.12194	0.253	-5.22	1.27333	none
ARHGEF25	0.248	0.2539	1.695	0.12203	0.253	-5.22	1.33643	none
HIST1H4J	-0.526	-0.4882	-1.695	0.12204	0.253	-5.22	0.22845	none
AKR1A1	0.238	0.1155	1.6949	0.12205	0.253	-5.22	-0.285	none
DOCK9	0.504	0.6702	1.6948	0.12206	0.253	-5.22	#####	none
APELA	0.591	0.4685	1.6948	0.12206	0.253	-5.22	-1.0839	none
DEF6	0.329	0.3712	1.6948	0.12206	0.253	-5.22	0.64408	none
SOCS4	-0.364	-0.2748	-1.694	0.12223	0.254	-5.22	1.94928	none
MORN1	0.361	0.3101	1.6937	0.12228	0.254	-5.22	-0.585	none
GTPBP10	0.247	0.1295	1.6933	0.12235	0.254	-5.22	0.48601	none
SNX33	0.194	0.2072	1.6933	0.12236	0.254	-5.22	-0.3875	none
NIF3L1	-0.214	-0.2479	-1.693	0.12238	0.254	-5.22	1.60239	none
ZNF410	0.191	0.0712	1.6925	0.1225	0.254	-5.22	-0.2722	none
PPP2R3B	0.229	0.2027	1.6923	0.12254	0.254	-5.22	-0.8472	none
ZNF454	0.203	0.1204	1.6913	0.12274	0.255	-5.22	-0.3864	none
PELI2	0.21	0.162	1.6913	0.12274	0.255	-5.22	-0.2963	none
SLC38A10	0.156	0.1547	1.6913	0.12275	0.255	-5.22	-0.2405	none
NFKBIZ	0.46	0.5545	1.691	0.1228	0.255	-5.22	0.21086	none
ARID5A	0.244	0.2766	1.691	0.12281	0.255	-5.22	0.13374	none
TM4SF4	-0.161	-0.112	-1.691	0.12288	0.255	-5.22	-0.6168	none
C1ORF162	0.276	0.1546	1.69	0.123	0.255	-5.22	-0.3319	none
ETV4	0.417	0.3466	1.6899	0.12301	0.255	-5.22	-0.4697	none
MTHFD2	-0.146	-0.1226	-1.69	0.12308	0.255	-5.22	1.56648	none
SMIM19	-0.231	-0.3156	-1.689	0.12316	0.255	-5.22	0.50026	none
CENPM	-0.281	-0.263	-1.689	0.12321	0.255	-5.22	1.21233	none
CNPY2	0.241	0.1108	1.6887	0.12325	0.255	-5.22	-0.7539	none
PPP6R3	0.396	0.4365	1.6886	0.12328	0.255	-5.22	-0.883	none

CNIH1	-0.349	-0.4113	-1.688	0.12333	0.255	-5.23	1.65801	none
RANBP10	0.277	0.3852	1.6882	0.12334	0.255	-5.23	0.28177	none
ZMIZ2	0.446	0.4655	1.6882	0.12335	0.255	-5.23	-0.3607	none
ERCC6L	0.433	0.4689	1.688	0.12338	0.255	-5.23	-0.6395	none
NMT1	0.246	0.2297	1.6876	0.12346	0.256	-5.23	0.77751	none
MVK	0.141	0.13	1.6869	0.1236	0.256	-5.23	-0.6198	none
TMEM184	0.511	0.51	1.6861	0.12376	0.256	-5.23	0.16875	none
GEMIN4	0.188	0.1635	1.685	0.12399	0.257	-5.23	0.61281	none
ATP1A1	0.329	0.3343	1.6848	0.12402	0.257	-5.23	-0.201	none
ZC2HC1A	-0.191	-0.2255	-1.685	0.12403	0.257	-5.23	0.06559	none
GGN	0.356	0.2596	1.6846	0.12406	0.257	-5.23	-0.1185	none
HBM	-0.179	-0.1194	-1.684	0.12418	0.257	-5.23	1.24897	none
USP32	0.42	0.4816	1.6839	0.12419	0.257	-5.23	-0.023	none
LEMD2	0.288	0.2529	1.6836	0.12426	0.257	-5.23	-0.3458	none
PHAX	0.411	0.4356	1.6835	0.12428	0.257	-5.23	-0.8225	none
ZNF653	0.34	0.2988	1.6832	0.12432	0.257	-5.23	-0.6612	none
C6ORF58	0.124	0.1569	1.6827	0.12444	0.257	-5.23	-0.8067	none
NSMAF	0.245	0.2372	1.6824	0.12449	0.257	-5.23	-0.7712	none
ELOVL6	0.523	0.5016	1.6823	0.1245	0.257	-5.23	-0.5305	none
ZBTB49	0.357	0.3168	1.6822	0.12452	0.257	-5.23	0.53239	none
NTMT1	-0.244	-0.2042	-1.682	0.12459	0.257	-5.23	1.13798	none
RGS20	-0.225	-0.1407	-1.682	0.12461	0.257	-5.23	-0.3422	none
USP31	0.15	0.1471	1.6818	0.12462	0.257	-5.23	-0.0423	none
JMJD4	0.174	0.1313	1.6815	0.12467	0.257	-5.23	-0.4266	none
NAT16	0.213	0.141	1.6815	0.12467	0.257	-5.23	0.04378	none
GABRR1	0.223	0.205	1.6811	0.12474	0.258	-5.24	-0.4809	none
UBE2E3	-0.145	-0.1288	-1.68	0.12499	0.258	-5.24	1.19065	none
ENKD1	0.395	0.3854	1.6798	0.125	0.258	-5.24	-0.5918	none
COX7C	-0.267	-0.3044	-1.68	0.125	0.258	-5.24	1.49214	none
METRNL	-0.244	-0.1896	-1.68	0.12503	0.258	-5.24	1.45784	none
TRIM2	0.354	0.3343	1.6797	0.12503	0.258	-5.24	0.88544	none
ESYT1	0.147	0.1322	1.6795	0.12506	0.258	-5.24	1.02114	none
MICU2	0.247	0.1921	1.6794	0.12508	0.258	-5.24	0.85881	none
PRAMEF1	0.203	0.1629	1.6794	0.12508	0.258	-5.24	0.30873	none
COL24A1	0.224	0.2268	1.6792	0.12512	0.258	-5.24	1.36184	none
VMA21	-0.3	-0.3063	-1.679	0.12514	0.258	-5.24	1.51273	none
CXORF51A	-0.199	-0.1683	-1.679	0.12514	0.258	-5.24	1.76991	none
HLA-DMB	0.154	0.1374	1.6791	0.12514	0.258	-5.24	0.45786	none
AC141272	-0.177	-0.1183	-1.679	0.12516	0.258	-5.24	1.24897	none
RETNLB	0.171	0.1211	1.679	0.12517	0.258	-5.24	0.18447	none



SLC34A1	0.114	0.1333	1.6789	0.12518	0.258	-5.24	-0.7854	none
BMF	0.368	0.3517	1.6789	0.12518	0.258	-5.24	0.40435	none
METTL8	0.254	0.1762	1.6789	0.12519	0.258	-5.24	0.344	none
CDC34	0.325	0.2259	1.6788	0.12521	0.258	-5.24	-0.6257	none
PATL1	0.341	0.3989	1.6787	0.12522	0.258	-5.24	-0.1651	none
OSTF1	-0.117	-0.1441	-1.679	0.12525	0.258	-5.24	1.31305	none
STAR	0.223	0.115	1.6783	0.1253	0.258	-5.24	0.42243	none
OPN5	0.207	0.1472	1.6783	0.12531	0.258	-5.24	-1.2028	none
PSMD7	-0.115	-0.075	-1.678	0.12535	0.258	-5.24	-0.1349	none
CHD3	0.688	0.7847	1.6779	0.12538	0.258	-5.24	-0.5293	none
TBX21	0.225	0.286	1.6779	0.12538	0.258	-5.24	-0.5626	none
HNRNPF	-0.206	-0.2068	-1.678	0.1254	0.258	-5.24	1.82385	none
C18ORF21	-0.347	-0.2749	-1.678	0.12545	0.258	-5.24	1.78205	none
DES	0.251	0.2549	1.6775	0.12547	0.258	-5.24	-0.32	none
RNPEP	0.127	0.1219	1.6768	0.12561	0.258	-5.24	0.10144	none
HMGN3	-0.147	-0.1795	-1.676	0.12568	0.259	-5.24	0.55	none
ERGIC2	-0.235	-0.1997	-1.676	0.12578	0.259	-5.24	1.6728	none
SMTN	0.377	0.3519	1.6758	0.12581	0.259	-5.24	-0.1732	none
BET1L	0.197	0.2398	1.6757	0.12582	0.259	-5.24	1.1053	none
CORO1A	-0.164	-0.1306	-1.676	0.12584	0.259	-5.24	1.43635	none
NAA11	0.204	0.1356	1.6754	0.12588	0.259	-5.24	-1.155	none
NT5C1A	-0.168	-0.1273	-1.675	0.1259	0.259	-5.24	2.04812	none
PTGER2	0.176	0.0638	1.6751	0.12594	0.259	-5.24	0.67806	none
WFDC3	0.591	0.3985	1.6737	0.12622	0.259	-5.25	-0.7499	none
HS3ST3A1	0.298	0.3046	1.6736	0.12624	0.259	-5.25	-0.679	none
ST6GALNA	0.167	0.1256	1.6732	0.12632	0.26	-5.25	0.18521	none
SUPT6H	0.567	0.7103	1.6726	0.12645	0.26	-5.25	-0.5052	none
RPS19BP1	-0.137	-0.0595	-1.672	0.12647	0.26	-5.25	1.37993	none
PDCD2L	-0.367	-0.3795	-1.672	0.12651	0.26	-5.25	1.11627	none
KITLG	0.128	0.1621	1.6718	0.12661	0.26	-5.25	-0.5724	none
HIC1	0.343	0.2812	1.6717	0.12662	0.26	-5.25	-0.8682	none
SOX15	0.183	0.2149	1.6716	0.12665	0.26	-5.25	0.44248	none
FUS	0.223	0.2434	1.6711	0.12675	0.26	-5.25	-0.0239	none
SLC24A1	0.616	0.5913	1.671	0.12677	0.26	-5.25	-0.7592	none
BCL2L13	0.172	0.0869	1.6706	0.12684	0.26	-5.25	-1.2194	none
B3GALT2	0.165	0.1177	1.6706	0.12684	0.26	-5.25	-0.8527	none
TCEAL8	-0.305	-0.2798	-1.67	0.12692	0.26	-5.25	1.77877	none
RPL4	-0.162	-0.0966	-1.67	0.12697	0.26	-5.25	1.69024	none
ZGPAT	0.19	0.2037	1.67	0.12697	0.26	-5.25	-0.7016	none
IL1RL2	-0.215	-0.1791	-1.669	0.12709	0.261	-5.25	-0.0587	none

STK26	0.149	0.1076	1.6693	0.1271	0.261	-5.25	1.05724	none
IGFBP2	0.261	0.1999	1.6691	0.12714	0.261	-5.25	0.02834	none
TRIM3	0.234	0.1929	1.669	0.12717	0.261	-5.25	0.18623	none
TTC6	0.464	0.3956	1.6688	0.1272	0.261	-5.25	-0.8227	none
KRT77	0.247	0.159	1.6686	0.12725	0.261	-5.25	-1.295	none
SLC6A18	-0.129	-0.1009	-1.668	0.12728	0.261	-5.25	0.08072	none
NEDD9	0.371	0.4111	1.668	0.12737	0.261	-5.25	-0.2194	none
CYSTM1	0.343	0.2206	1.6676	0.12744	0.261	-5.25	-0.3017	none
BOLA2B	-0.339	-0.3543	-1.668	0.12746	0.261	-5.25	1.24999	none
BLM	0.415	0.5004	1.666	0.12777	0.262	-5.26	0.05369	none
BOLA2	-0.322	-0.3028	-1.666	0.12778	0.262	-5.26	0.89827	none
MON1A	0.261	0.2084	1.6658	0.12782	0.262	-5.26	-0.7138	none
ZFYVE9	0.156	0.1485	1.6655	0.12787	0.262	-5.26	-0.5222	none
RAB13	0.325	0.2268	1.6651	0.12795	0.262	-5.26	-1.1291	none
ADAM9	0.262	0.2653	1.665	0.12797	0.262	-5.26	0.35627	none
STK32C	0.244	0.2331	1.6649	0.128	0.262	-5.26	0.34071	none
SSH1	0.512	0.525	1.6642	0.12813	0.262	-5.26	-0.3009	none
ARF1	-0.163	-0.1305	-1.664	0.12821	0.262	-5.26	1.53534	none
TXLNB	0.207	0.1754	1.6638	0.12822	0.262	-5.26	-0.1474	none
TRAPPC4	0.233	0.0925	1.6638	0.12822	0.262	-5.26	-0.847	none
PPAT	0.213	0.211	1.6635	0.12829	0.262	-5.26	-0.1084	none
BCLAF1	0.658	0.7598	1.6634	0.12829	0.262	-5.26	-0.1862	none
ZFR	0.381	0.4232	1.6632	0.12833	0.262	-5.26	-0.2474	none
FAT3	0.215	0.171	1.663	0.12839	0.263	-5.26	-0.2741	none
C5ORF63	0.223	0.1104	1.6628	0.12841	0.263	-5.26	0.05278	none
LAMA5	0.288	0.2368	1.6626	0.12846	0.263	-5.26	-0.3521	none
ZBTB4	0.214	0.2265	1.6626	0.12847	0.263	-5.26	-0.425	none
BRD4	0.556	0.6729	1.6625	0.12849	0.263	-5.26	0.29201	none
C7ORF26	0.432	0.3564	1.6623	0.12851	0.263	-5.26	-1.0884	none
NFYA	0.3	0.3092	1.6622	0.12854	0.263	-5.26	-0.4721	none
LRBA	0.277	0.2523	1.662	0.12859	0.263	-5.26	0.20541	none
NRP1	0.415	0.4624	1.6616	0.12866	0.263	-5.26	-0.3752	none
NDUFB8	-0.222	-0.2078	-1.661	0.12876	0.263	-5.26	-0.058	none
DBNDD1	0.239	0.2074	1.6609	0.12881	0.263	-5.26	0.21661	none
TMEM39B	0.255	0.1828	1.6607	0.12885	0.263	-5.26	-0.1744	none
TM9SF4	0.18	0.2065	1.6601	0.12898	0.263	-5.26	0.07511	none
MBD6	0.355	0.4236	1.6599	0.12901	0.263	-5.26	0.90756	none
CD1E	-0.205	-0.1747	-1.66	0.12902	0.263	-5.26	0.93543	none
IL4	-0.448	-0.4373	-1.66	0.12903	0.263	-5.26	1.30889	none
GLIS3	0.422	0.3476	1.6597	0.12905	0.263	-5.27	-1.0438	none

CD9	-0.386	-0.3256	-1.66	0.12909	0.263	-5.27	2.17402	AA-related
ABHD3	0.193	0.07	1.6593	0.12913	0.264	-5.27	0.57044	none
RETN	-0.172	-0.1144	-1.659	0.12914	0.264	-5.27	0.65738	none
RASA3	0.278	0.2796	1.6591	0.12916	0.264	-5.27	0.42069	none
TMEM8A	0.148	0.1458	1.6591	0.12917	0.264	-5.27	-0.4087	none
OTC	-0.172	-0.1145	-1.659	0.12921	0.264	-5.27	-0.1926	none
SEMA4D	0.445	0.5067	1.6589	0.12921	0.264	-5.27	-0.8613	none
IDH2	-0.256	-0.223	-1.659	0.12927	0.264	-5.27	2.08407	none
PC	0.274	0.3313	1.6586	0.12928	0.264	-5.27	0.324	none
MYL12A	-0.187	-0.2541	-1.659	0.12929	0.264	-5.27	0.71871	none
UBLCP1	-0.193	-0.1641	-1.658	0.1293	0.264	-5.27	2.15085	AA-related
NBL1	-0.243	-0.207	-1.658	0.12934	0.264	-5.27	-0.0537	none
CHMP6	-0.152	-0.0775	-1.658	0.12937	0.264	-5.27	1.70688	none
SPRN	0.203	0.1282	1.6576	0.12949	0.264	-5.27	-1.2542	none
THAP4	0.206	0.2494	1.6572	0.12957	0.264	-5.27	-0.3115	none
CEP295	0.412	0.4069	1.657	0.1296	0.264	-5.27	-0.1356	none
BAG2	0.114	0.0551	1.6569	0.12963	0.264	-5.27	0.53549	none
USP34	0.41	0.4196	1.6567	0.12967	0.264	-5.27	-0.5719	none
FN3KRP	0.203	0.1541	1.6566	0.12969	0.264	-5.27	-0.5582	none
KRT5	-0.177	-0.1567	-1.655	0.12991	0.265	-5.27	0.70152	none
RALGDS	0.343	0.419	1.6549	0.13004	0.265	-5.27	-0.0506	none
EIF4EBP3	-0.62	-0.524	-1.655	0.1301	0.265	-5.27	0.48719	none
S1PR5	0.303	0.2149	1.6539	0.13025	0.265	-5.27	0.07663	none
CNP	0.26	0.2386	1.6534	0.13034	0.265	-5.27	-0.7404	none
CDK4	-0.211	-0.218	-1.652	0.13054	0.266	-5.28	1.3517	none
UPF1	0.492	0.61	1.652	0.13064	0.266	-5.28	-0.1872	none
HUWE1	0.493	0.6418	1.6517	0.1307	0.266	-5.28	-0.6889	none
PSORS1C1	-0.147	-0.1006	-1.651	0.13077	0.266	-5.28	0.9826	none
NHLH1	0.129	0.1143	1.6509	0.13085	0.266	-5.28	-0.7888	none
TSKU	0.158	0.0988	1.6507	0.13091	0.266	-5.28	0.28329	none
MAP7D3	0.471	0.5007	1.6502	0.131	0.266	-5.28	-0.7725	none
TOPORS	0.399	0.4563	1.6501	0.13103	0.266	-5.28	0.07854	none
NDUFB3	-0.217	-0.2579	-1.65	0.13112	0.267	-5.28	0.89413	none
PRELID1	-0.173	-0.1346	-1.649	0.13115	0.267	-5.28	1.59035	none
SLFN5	0.418	0.4495	1.6493	0.13118	0.267	-5.28	0.38667	none
TRAPPC3	-0.208	-0.2202	-1.649	0.13133	0.267	-5.28	1.36396	none
EP400	0.442	0.5607	1.6483	0.13139	0.267	-5.28	-0.378	none
ARL4A	-0.235	-0.1931	-1.648	0.13151	0.267	-5.28	1.68763	none
SLC39A8	0.212	0.1214	1.6474	0.13159	0.267	-5.28	1.41367	none
PSMC5	-0.137	-0.094	-1.647	0.13167	0.267	-5.28	1.3159	none

CXCR5	0.342	0.4212	1.6469	0.13168	0.267	-5.28	-0.5403	none
HABP4	0.271	0.249	1.6466	0.13176	0.268	-5.28	-0.9719	none
TBKBP1	0.246	0.2607	1.6462	0.13183	0.268	-5.28	-0.5564	none
HAX1	-0.303	-0.3585	-1.646	0.13187	0.268	-5.28	1.74946	none
NDUFAF7	-0.171	-0.2007	-1.646	0.13194	0.268	-5.28	1.12183	none
NPEPL1	0.17	0.134	1.6456	0.13196	0.268	-5.28	0.1314	none
DMRT1	0.21	0.1237	1.6455	0.13199	0.268	-5.28	-1.2437	none
RFX4	0.136	0.0893	1.6453	0.13203	0.268	-5.29	-0.4127	none
SYPL2	0.14	0.1297	1.6453	0.13203	0.268	-5.29	0.2591	none
MRPL20	-0.215	-0.2434	-1.645	0.13206	0.268	-5.29	0.49796	none
ZNF488	-0.112	-0.0674	-1.645	0.13209	0.268	-5.29	0.24113	none
SSTR3	0.205	0.227	1.6449	0.1321	0.268	-5.29	1.02329	none
F9	-0.137	-0.0997	-1.645	0.13212	0.268	-5.29	1.84901	none
ALAD	0.211	0.2266	1.6448	0.13213	0.268	-5.29	-0.2133	none
TSPAN2	-0.154	-0.1509	-1.645	0.13217	0.268	-5.29	0.71973	none
NPM2	0.375	0.2428	1.6443	0.13222	0.268	-5.29	-1.2131	none
DNAJC21	0.508	0.5558	1.6442	0.13225	0.268	-5.29	-0.3866	none
SCD	0.242	0.3586	1.644	0.1323	0.268	-5.29	0.02055	none
GADD45G	0.371	0.3868	1.644	0.1323	0.268	-5.29	-0.8704	none
DTHD1	-0.159	-0.1144	-1.644	0.13231	0.268	-5.29	0.28288	none
CERS4	0.216	0.1439	1.6435	0.1324	0.268	-5.29	0.53471	none
HIPK3	0.167	0.1473	1.6434	0.13242	0.268	-5.29	0.41982	none
NAA30	0.212	0.1054	1.6432	0.13245	0.268	-5.29	0.02687	none
CPSF4L	0.202	0.1816	1.6432	0.13246	0.268	-5.29	0.69015	none
ZDHHC20	0.293	0.2699	1.6427	0.13257	0.268	-5.29	0.28333	none
TMCO2	0.213	0.1093	1.6423	0.13264	0.269	-5.29	-0.5344	none
GHITM	-0.183	-0.2003	-1.642	0.13272	0.269	-5.29	0.64216	none
AGPAT3	0.373	0.3461	1.6416	0.13279	0.269	-5.29	-1.0347	none
ACOT1	0.333	0.2814	1.6416	0.13279	0.269	-5.29	-0.0252	none
EFL1	0.448	0.4366	1.6414	0.13283	0.269	-5.29	-0.1867	none
KLK5	-0.145	-0.1309	-1.641	0.13293	0.269	-5.29	1.33192	none
SSX2B	0.208	0.1823	1.6408	0.13297	0.269	-5.29	0.89495	none
WARS	0.202	0.1892	1.6403	0.13306	0.269	-5.29	0.09051	none
CT45A7	-0.166	-0.1108	-1.64	0.13311	0.269	-5.29	0.23066	none
ZNF654	0.245	0.2577	1.6399	0.13314	0.269	-5.29	0.16739	none
PCP4L1	0.131	0.1261	1.6398	0.13318	0.269	-5.29	-0.0239	none
ZNF571	0.271	0.2466	1.6397	0.13319	0.269	-5.29	-0.0606	none
GANC	0.26	0.2433	1.6396	0.13322	0.269	-5.29	-0.7825	none
NACC2	0.191	0.206	1.6396	0.13322	0.269	-5.29	-0.6585	none
SYT6	-0.16	-0.148	-1.639	0.13333	0.27	-5.29	1.04285	none

CNOT3	0.434	0.4978	1.639	0.13334	0.27	-5.29	0.0222	none
IQCF1	0.31	0.2252	1.639	0.13335	0.27	-5.29	-1.0159	none
TLL11	-0.207	-0.1396	-1.639	0.13339	0.27	-5.29	-0.4446	none
KIAA1614	0.429	0.3975	1.638	0.13355	0.27	-5.3	0.1093	none
TMEM256	-0.317	-0.383	-1.638	0.1336	0.27	-5.3	1.87655	none
EIF3D	-0.16	-0.098	-1.637	0.13371	0.27	-5.3	1.96197	none
RBBP7	-0.124	-0.138	-1.637	0.13374	0.27	-5.3	1.20004	none
AP3B1	0.435	0.4411	1.6371	0.13374	0.27	-5.3	-0.5653	none
ESAM	0.223	0.1284	1.637	0.13376	0.27	-5.3	-0.5414	none
CHPF2	0.178	0.1244	1.6367	0.13383	0.27	-5.3	0.6502	none
RIN3	0.366	0.4192	1.6366	0.13385	0.27	-5.3	-0.3288	none
PHF12	0.494	0.5409	1.6362	0.13392	0.27	-5.3	-0.7945	none
ETFB	-0.165	-0.1252	-1.636	0.13398	0.27	-5.3	0.37807	none
POU2F2	0.432	0.549	1.6357	0.13404	0.271	-5.3	0.54629	none
ZBTB39	0.167	0.1958	1.6355	0.13408	0.271	-5.3	-0.4175	none
PLXNA4	0.166	0.1578	1.6352	0.13414	0.271	-5.3	0.51548	none
SPANXN5	0.113	0.1128	1.6346	0.13427	0.271	-5.3	-0.0749	none
QDPR	-0.212	-0.1888	-1.634	0.13447	0.271	-5.3	2.16259	AA-related
CYB561A3	0.278	0.0916	1.6328	0.13465	0.272	-5.3	-0.1754	none
OPA1	0.47	0.4969	1.6322	0.13479	0.272	-5.3	0.15643	none
FOSL2	0.335	0.3367	1.6321	0.13481	0.272	-5.3	-0.8341	none
PIP4K2C	0.129	0.084	1.6317	0.13488	0.272	-5.3	-0.1493	none
SLC36A3	0.161	0.0915	1.6316	0.1349	0.272	-5.3	-0.9085	none
HORMAD2	0.171	0.1651	1.6316	0.13491	0.272	-5.3	-0.1003	none
USP16	0.561	0.5407	1.6315	0.13492	0.272	-5.3	0.4405	none
JAKMIP1	0.253	0.2627	1.6314	0.13494	0.272	-5.3	0.79704	none
TLL1	0.186	0.1222	1.6312	0.135	0.272	-5.3	0.65544	none
SDHC	-0.275	-0.3161	-1.631	0.13503	0.272	-5.3	0.97954	none
BEX4	-0.14	-0.1459	-1.631	0.13504	0.272	-5.3	2.0962	AA-related
HMGXB3	0.277	0.3633	1.6309	0.13506	0.272	-5.3	0.35387	none
CBX4	0.337	0.3301	1.6308	0.13507	0.272	-5.31	0.23708	none
CREB3	-0.137	-0.1044	-1.631	0.13507	0.272	-5.31	1.68206	none
ZNF780A	0.259	0.2548	1.6306	0.13513	0.272	-5.31	0.7339	none
HLA-DMA	0.435	0.3132	1.6304	0.13516	0.272	-5.31	0.10301	none
SMDT1	-0.26	-0.2608	-1.63	0.13519	0.272	-5.31	1.64246	none
LANCL2	-0.223	-0.1622	-1.63	0.13522	0.272	-5.31	-0.34	none
NDUFA4L2	-0.296	-0.1499	-1.63	0.13526	0.272	-5.31	1.06953	none
CLEC4A	-0.394	-0.287	-1.63	0.13527	0.272	-5.31	1.34232	none
AHSA1	0.144	0.1127	1.6293	0.13539	0.272	-5.31	-0.7087	none
LIG4	0.251	0.1868	1.629	0.13546	0.273	-5.31	0.18379	none

UQCR11	-0.255	-0.2674	-1.628	0.13558	0.273	-5.31	1.65658	none
FANCG	0.169	0.1552	1.6282	0.13563	0.273	-5.31	0.12795	none
EIF3K	-0.27	-0.314	-1.628	0.13563	0.273	-5.31	1.37061	none
TWIST1	0.217	0.2105	1.6279	0.13569	0.273	-5.31	-0.8942	none
HAVCR2	0.188	0.0729	1.6278	0.13572	0.273	-5.31	-0.6712	none
ATP6V0B	-0.347	-0.3591	-1.628	0.13573	0.273	-5.31	1.44922	none
HOXC9	0.15	0.1519	1.6267	0.13594	0.273	-5.31	0.66468	none
LARP1	0.523	0.6134	1.6266	0.13597	0.273	-5.31	-0.3104	none
SNW1	0.382	0.4182	1.6265	0.136	0.273	-5.31	-0.3863	none
ITSN2	0.454	0.5084	1.6263	0.13603	0.273	-5.31	-0.539	none
ARL4D	0.235	0.1661	1.6262	0.13606	0.273	-5.31	-0.3572	none
C12ORF57	-0.287	-0.3371	-1.626	0.13608	0.273	-5.31	0.83769	none
RNASE4	-0.279	-0.2579	-1.626	0.13617	0.274	-5.31	1.87438	none
TAB3	0.273	0.2959	1.6253	0.13626	0.274	-5.31	-0.2896	none
SLA2	0.153	0.1187	1.6244	0.13644	0.274	-5.31	-0.6271	none
C1QTNF9E	-0.256	-0.2677	-1.623	0.13669	0.274	-5.32	1.01171	none
MCMDC2	0.141	0.0577	1.6233	0.13669	0.274	-5.32	0.03875	none
RASA2	0.369	0.2879	1.6232	0.13671	0.274	-5.32	0.23688	none
NCOA2	-0.15	-0.0879	-1.622	0.13694	0.275	-5.32	0.14789	none
ERAL1	-0.141	-0.0895	-1.622	0.13699	0.275	-5.32	2.50097	AA-related
ARSF	0.113	0.0826	1.6218	0.137	0.275	-5.32	0	none
SRSF1	-0.163	-0.1544	-1.622	0.13703	0.275	-5.32	1.72986	none
USP44	0.163	0.1483	1.6215	0.13707	0.275	-5.32	0.00486	none
SP1	0.365	0.3272	1.6214	0.13709	0.275	-5.32	0.66329	none
SLC45A3	-0.125	-0.1055	-1.621	0.13713	0.275	-5.32	0.51562	none
FZR1	0.356	0.3902	1.6211	0.13716	0.275	-5.32	-0.2391	none
ACTL10	-0.149	-0.1522	-1.621	0.13724	0.275	-5.32	-0.1459	none
PRR14L	0.428	0.4754	1.6206	0.13726	0.275	-5.32	0.07914	none
PKD2L1	0.15	0.1071	1.6205	0.13729	0.275	-5.32	-0.7868	none
PDCD11	0.366	0.4593	1.6198	0.13743	0.276	-5.32	0.15002	none
NUCB1	0.262	0.3007	1.6196	0.13747	0.276	-5.32	-0.9136	none
ZNF326	0.28	0.2888	1.6196	0.13748	0.276	-5.32	-0.3195	none
CLK3	0.22	0.2623	1.6193	0.13754	0.276	-5.32	-0.1598	none
MUC12	0.321	0.3451	1.6193	0.13754	0.276	-5.32	0.36148	none
ZCCHC7	0.256	0.17	1.6191	0.13759	0.276	-5.32	-0.1512	none
TMED1	0.136	0.119	1.6189	0.13763	0.276	-5.32	-0.1259	none
TRIM63	0.211	0.1942	1.6184	0.13773	0.276	-5.32	1.15769	none
ANGPTL2	-0.18	-0.1151	-1.618	0.13774	0.276	-5.32	-0.5916	none
MCL1	0.16	0.1277	1.6183	0.13775	0.276	-5.32	0.24624	none
MMP19	0.218	0.2226	1.6181	0.1378	0.276	-5.32	1.10671	none

CALCA	-0.181	-0.1898	-1.618	0.1378	0.276	-5.32	0.08974	none
CCDC187	0.126	0.1024	1.6179	0.13785	0.276	-5.32	-1.2454	none
MYO18B	0.206	0.1817	1.6179	0.13785	0.276	-5.32	-0.9864	none
ATG101	-0.244	-0.2342	-1.618	0.13786	0.276	-5.32	1.21412	none
NPAS1	-0.227	-0.2079	-1.618	0.13793	0.276	-5.32	0.0819	none
SHISA8	-0.193	-0.1066	-1.617	0.13798	0.276	-5.32	0.58692	none
DDX43	0.296	0.1509	1.6172	0.13799	0.276	-5.32	-0.1723	none
COPS5	-0.135	-0.1719	-1.617	0.13801	0.276	-5.32	1.68977	none
MPDZ	-0.12	-0.0853	-1.617	0.1381	0.276	-5.32	0.80752	none
ASIP	0.155	0.17	1.6167	0.13811	0.276	-5.32	-0.5444	none
CNNM4	-0.181	-0.0743	-1.616	0.13818	0.276	-5.32	1.8767	none
NBAS	0.415	0.3951	1.6161	0.13824	0.276	-5.33	-0.3572	none
AC007326	0.168	0.2214	1.6159	0.13828	0.276	-5.33	1.1581	none
DNAH7	0.291	0.2901	1.6158	0.13831	0.277	-5.33	-0.1987	none
TMED3	-0.222	-0.184	-1.616	0.13834	0.277	-5.33	1.64956	none
RAVER2	0.129	0.0916	1.6154	0.13839	0.277	-5.33	-0.6347	none
SLC20A1	0.154	0.1112	1.615	0.13847	0.277	-5.33	0.65781	none
SNX31	0.673	0.4812	1.6149	0.1385	0.277	-5.33	-1.0186	none
SLC35F4	0.218	0.2392	1.6137	0.13875	0.277	-5.33	0.04258	none
FAM216B	0.123	0.0932	1.6136	0.13878	0.277	-5.33	-1.2576	none
FXVD6-FXY	-0.159	-0.1061	-1.613	0.13886	0.277	-5.33	0.86195	none
MPP2	0.125	0.0933	1.6121	0.13911	0.278	-5.33	-0.007	none
VMO1	-0.135	-0.1376	-1.611	0.13931	0.278	-5.33	-0.1619	none
DDRKG1	0.202	0.217	1.6108	0.13938	0.278	-5.33	0.35925	none
OXA1L	0.15	0.0821	1.6107	0.13941	0.278	-5.33	0.1467	none
KRCC1	-0.283	-0.2658	-1.611	0.13943	0.278	-5.33	2.18614	AA-related
COQ3	0.247	0.134	1.6102	0.13951	0.278	-5.33	-0.6183	none
OR13C5	-0.136	-0.0999	-1.61	0.13952	0.278	-5.33	0.87773	none
RAPSN	0.246	0.1628	1.6094	0.13969	0.279	-5.33	-0.7329	none
TMEM121	0.174	0.1704	1.6087	0.13986	0.279	-5.34	-0.0484	none
TXLNA	0.367	0.4495	1.6083	0.13994	0.279	-5.34	-0.5461	none
NME4	0.18	0.0711	1.6082	0.13997	0.279	-5.34	0.40889	none
UBAP1	0.125	0.0929	1.6081	0.13998	0.279	-5.34	-1.0656	none
DOCK11	0.548	0.5055	1.6081	0.13999	0.279	-5.34	-0.2294	none
TLN2	0.523	0.5858	1.6077	0.14007	0.279	-5.34	0.04354	none
TMEM125	-0.159	-0.1335	-1.607	0.14017	0.28	-5.34	-0.1476	none
SLC41A3	0.231	0.1248	1.6071	0.1402	0.28	-5.34	-0.7185	none
RHEB	-0.185	-0.2013	-1.607	0.14021	0.28	-5.34	0.75727	none
ABT1	-0.168	-0.144	-1.607	0.14023	0.28	-5.34	0.9625	none
MC2R	0.109	0.0804	1.6069	0.14025	0.28	-5.34	0.14857	none

MTA1	0.432	0.5349	1.6063	0.14037	0.28	-5.34	-0.4944	none
SMARCA5	0.513	0.5967	1.6062	0.1404	0.28	-5.34	-0.2089	none
UBQLN1	0.261	0.2798	1.6048	0.14071	0.28	-5.34	0.24789	none
MBP	0.175	0.1114	1.6047	0.14074	0.28	-5.34	-0.0284	none
LGALS14	-0.174	-0.2068	-1.605	0.14074	0.28	-5.34	1.25013	none
ZSCAN5C	0.191	0.1292	1.6044	0.14081	0.28	-5.34	-0.9346	none
SPHK2	0.144	0.1085	1.6038	0.14093	0.281	-5.34	-0.8446	none
SLC25A5	-0.221	-0.213	-1.604	0.14099	0.281	-5.34	0.25591	none
NOM1	0.431	0.4767	1.6033	0.14103	0.281	-5.34	-0.4756	none
PI4KB	0.169	0.1702	1.6031	0.14109	0.281	-5.34	0.57065	none
HIST3H3	0.3	0.237	1.6027	0.14118	0.281	-5.34	-1.2638	none
KCNN4	0.163	0.2246	1.6027	0.14118	0.281	-5.34	0.2878	none
ZNF720	-0.38	-0.3292	-1.603	0.14119	0.281	-5.34	0.16935	none
KAZN	0.132	0.0784	1.6026	0.1412	0.281	-5.34	-0.5414	none
GABRE	-0.117	-0.0797	-1.602	0.14127	0.281	-5.34	-0.3036	none
SLC30A10	0.124	0.0917	1.6018	0.14138	0.281	-5.34	-0.7064	none
VBP1	-0.217	-0.2387	-1.601	0.14156	0.282	-5.35	1.51693	none
BZW1	-0.18	-0.1827	-1.601	0.14164	0.282	-5.35	1.25506	none
AP001888	0.151	0.1512	1.6004	0.14169	0.282	-5.35	-0.4344	none
NELFCD	0.13	0.1011	1.6001	0.14174	0.282	-5.35	0.34425	none
MED27	0.238	0.1003	1.6	0.14178	0.282	-5.35	-0.3034	none
APEX2	0.145	0.1577	1.6	0.14178	0.282	-5.35	-0.8226	none
SRBD1	0.213	0.1765	1.599	0.142	0.282	-5.35	0.15591	none
NDUFS8	0.253	0.1481	1.5983	0.14216	0.283	-5.35	-0.8587	none
COQ9	0.147	0.1535	1.5981	0.14219	0.283	-5.35	0.16853	none
FYN	-0.372	-0.2154	-1.598	0.14226	0.283	-5.35	1.61899	none
RRBP1	0.432	0.5506	1.5974	0.14234	0.283	-5.35	-0.1784	none
TMEM106	-0.186	-0.1918	-1.596	0.14256	0.283	-5.35	1.96214	none
TNFRSF4	-0.198	-0.1626	-1.596	0.14259	0.283	-5.35	1.3063	none
DPPA2	0.167	0.1208	1.5962	0.14262	0.283	-5.35	-0.8497	none
GPM6B	0.21	0.1456	1.596	0.14267	0.283	-5.35	-0.9967	none
ZNF398	0.304	0.332	1.5957	0.14274	0.283	-5.35	-0.232	none
PSENE1	-0.199	-0.2815	-1.596	0.14275	0.283	-5.35	1.66201	none
TMEM198	0.265	0.1983	1.5953	0.14281	0.284	-5.35	-0.4046	none
ZFX	0.337	0.3195	1.5947	0.14295	0.284	-5.35	0.26833	none
NUDT14	0.291	0.1291	1.5947	0.14295	0.284	-5.35	-0.28	none
PARD6A	-0.276	-0.2603	-1.595	0.14299	0.284	-5.35	1.75543	none
R3HCC1	-0.15	-0.115	-1.594	0.143	0.284	-5.35	0.88453	none
MRPL34	-0.249	-0.2137	-1.594	0.14301	0.284	-5.35	1.8276	none
LHPP	0.203	0.2109	1.5939	0.14314	0.284	-5.36	-0.3795	none



PIH1D1	-0.184	-0.1936	-1.593	0.14326	0.284	-5.36	0.37071	none
ZHX2	0.323	0.3743	1.5932	0.14329	0.284	-5.36	-0.2336	none
LARP4	0.285	0.2924	1.593	0.14332	0.284	-5.36	-0.7864	none
MFSD4A	0.224	0.1161	1.5929	0.14336	0.284	-5.36	-0.6379	none
MT-ND2	0.309	0.2781	1.5925	0.14344	0.284	-5.36	0.01004	none
HIPK1	0.226	0.2318	1.5923	0.14348	0.284	-5.36	0.23928	none
KLHL7	0.263	0.1698	1.5922	0.1435	0.284	-5.36	-0.4102	none
BLOC1S5	0.252	0.1432	1.592	0.14356	0.285	-5.36	0.53705	none
C10ORF90	-0.154	-0.1399	-1.592	0.14358	0.285	-5.36	0.49803	none
RIIAD1	0.283	0.2928	1.5916	0.14364	0.285	-5.36	0.02034	none
TUBA4B	0.147	0.0241	1.5911	0.14375	0.285	-5.36	-0.8766	none
C4ORF3	-0.228	-0.2705	-1.591	0.14376	0.285	-5.36	1.43519	none
EMX1	0.199	0.1893	1.5908	0.14383	0.285	-5.36	0.7682	none
ATP9A	0.186	0.2023	1.5908	0.14383	0.285	-5.36	0.18918	none
ZBTB17	0.275	0.3539	1.5907	0.14384	0.285	-5.36	-0.3155	none
TMEM97	0.159	0.0943	1.5903	0.14394	0.285	-5.36	-0.1969	none
CHAC1	-0.23	-0.1982	-1.59	0.14408	0.285	-5.36	1.25261	none
DBP	0.358	0.1957	1.5896	0.14409	0.285	-5.36	-0.905	none
FAM200A	0.162	0.1026	1.5893	0.14416	0.285	-5.36	-0.5338	none
ZNF787	-0.279	-0.1806	-1.588	0.14435	0.286	-5.36	1.48057	none
LIN7C	0.255	0.1494	1.5884	0.14436	0.286	-5.36	-0.5532	none
EIF4G2	0.333	0.3774	1.5882	0.14442	0.286	-5.36	-0.1573	none
AKAP8	0.309	0.3982	1.5878	0.1445	0.286	-5.36	-0.0322	none
SSPN	0.222	0.1917	1.5872	0.14464	0.286	-5.36	-1.1733	none
SHISA4	0.127	0.1205	1.5869	0.1447	0.286	-5.36	0.46856	none
RAX2	0.165	0.1118	1.5869	0.14471	0.286	-5.37	-1.0876	none
MAML2	0.301	0.3498	1.5867	0.14475	0.286	-5.37	-0.1396	none
SMAD3	-0.277	-0.2024	-1.587	0.14478	0.286	-5.37	0.59551	none
TTL5	0.366	0.4188	1.5863	0.14483	0.286	-5.37	-0.0122	none
KIF16B	0.309	0.3703	1.5862	0.14487	0.286	-5.37	-0.0972	none
OLFM1	0.15	0.1122	1.586	0.14492	0.286	-5.37	1.27165	none
CLDN7	0.346	0.2172	1.586	0.14492	0.286	-5.37	-0.5601	none
SART1	0.511	0.5562	1.5853	0.14506	0.287	-5.37	-0.8253	none
NEK6	-0.177	-0.1079	-1.585	0.1451	0.287	-5.37	1.54266	none
GTF3C6	-0.145	-0.1335	-1.585	0.14513	0.287	-5.37	0.18504	none
NAT8	-0.152	-0.1014	-1.585	0.14523	0.287	-5.37	0.86195	none
ANP32E	0.282	0.2696	1.5846	0.14524	0.287	-5.37	-0.9754	none
DIP2B	0.31	0.2818	1.5844	0.14528	0.287	-5.37	-1.0537	none
METTL25	0.29	0.2203	1.5842	0.14532	0.287	-5.37	0.39005	none
ZNF146	0.479	0.5423	1.5835	0.14547	0.287	-5.37	0.18638	none

AC010655	-0.152	-0.1012	-1.583	0.14551	0.287	-5.37	1.24897	none
SPATA18	-0.153	-0.159	-1.583	0.14551	0.287	-5.37	1.98912	none
FAM76B	0.273	0.2125	1.5833	0.14552	0.287	-5.37	-0.2879	none
SYT8	-0.196	-0.1637	-1.583	0.14552	0.287	-5.37	1.00409	none
DERL3	-0.157	-0.0677	-1.583	0.14553	0.287	-5.37	1.20935	none
GALNT8	-0.106	-0.0659	-1.583	0.14557	0.287	-5.37	1.43205	none
LAMA1	0.13	0.0786	1.583	0.14558	0.287	-5.37	-1.2269	none
ANXA2	-0.135	-0.1293	-1.583	0.14559	0.287	-5.37	1.26573	none
RIPPLY2	-0.13	-0.0629	-1.583	0.14561	0.287	-5.37	0.99292	none
EIF2AK2	0.337	0.3145	1.5826	0.14568	0.287	-5.37	-0.2056	none
MS4A5	0.4	0.2808	1.5826	0.14569	0.287	-5.37	-0.4236	none
CCNF	0.275	0.3224	1.5825	0.1457	0.287	-5.37	-0.1808	none
NPTN	0.174	0.1473	1.582	0.14583	0.288	-5.37	-0.5878	none
TNKS2	0.178	0.1687	1.5818	0.14588	0.288	-5.37	-0.1639	none
TSPAN18	0.152	0.1497	1.5817	0.14589	0.288	-5.37	-0.1511	none
AHCYL2	-0.144	-0.1074	-1.582	0.1459	0.288	-5.37	1.22514	none
NKAIN4	-0.16	-0.1341	-1.581	0.14595	0.288	-5.37	-0.1935	none
TMCC2	0.222	0.224	1.5812	0.146	0.288	-5.37	-0.5208	none
SGTB	0.229	0.2478	1.5809	0.14606	0.288	-5.37	0.4387	none
PDE5A	0.238	0.152	1.5808	0.14609	0.288	-5.37	0.01674	none
CPLX2	-0.27	-0.1489	-1.58	0.14623	0.288	-5.37	0.26856	none
CRYL1	-0.209	-0.203	-1.58	0.14625	0.288	-5.37	0.71818	none
SLC5A12	-0.11	-0.069	-1.58	0.14625	0.288	-5.37	2.29375	AA-related
STEAP3	0.166	0.1471	1.5801	0.14625	0.288	-5.37	-0.4597	none
KLF16	-0.171	-0.1131	-1.58	0.14632	0.288	-5.37	1.83943	none
RCL1	0.168	0.1038	1.5797	0.14633	0.288	-5.37	0.56993	none
BATF	-0.138	-0.062	-1.58	0.14635	0.288	-5.37	0.51719	none
PLEKHF2	0.147	0.0549	1.5794	0.14642	0.288	-5.38	0.13324	none
GRB7	0.195	0.1178	1.5793	0.14642	0.288	-5.38	0.03098	none
SORBS2	0.248	0.1618	1.5792	0.14647	0.288	-5.38	-0.7844	none
USP5	0.257	0.3032	1.5789	0.14653	0.288	-5.38	-0.4304	none
DCAF5	0.268	0.3279	1.5787	0.14658	0.288	-5.38	-0.6179	none
CWC25	0.306	0.3072	1.5785	0.14661	0.288	-5.38	-0.2399	none
QSER1	0.403	0.4993	1.5783	0.14666	0.288	-5.38	0.23719	none
SLC30A3	0.227	0.1543	1.5779	0.14675	0.289	-5.38	-0.3447	none
MMD	0.305	0.216	1.5778	0.14678	0.289	-5.38	0.77584	none
NIFK	-0.143	-0.1644	-1.578	0.14679	0.289	-5.38	0.76593	none
VWF	0.183	0.1542	1.5773	0.14689	0.289	-5.38	-0.2083	none
BRD1	0.345	0.4371	1.5773	0.1469	0.289	-5.38	0.14689	none
LRRC3C	0.246	0.1503	1.5771	0.14694	0.289	-5.38	-1.1999	none

GTF2A1	-0.179	-0.1996	-1.577	0.14697	0.289	-5.38	1.31625	none
ST8SIA3	-0.151	-0.1257	-1.577	0.147	0.289	-5.38	0.2123	none
ANGPTL6	0.225	0.2082	1.5768	0.14702	0.289	-5.38	-0.1974	none
METTTL11B	-0.15	-0.1002	-1.576	0.14712	0.289	-5.38	0.63037	none
PLA1A	-0.217	-0.0791	-1.576	0.14721	0.289	-5.38	-0.1225	none
ATP6V1H	-0.201	-0.1841	-1.576	0.14724	0.289	-5.38	1.66374	none
NCOA5	-0.144	-0.0938	-1.576	0.14725	0.289	-5.38	-0.011	none
BRAP	0.35	0.4165	1.5755	0.1473	0.289	-5.38	-0.598	none
GRK2	0.258	0.2934	1.5747	0.14748	0.29	-5.38	-0.1911	none
STEAP1	-0.182	-0.2059	-1.574	0.14754	0.29	-5.38	0.6842	none
L3HYPDH	0.19	0.1677	1.5741	0.14764	0.29	-5.38	0.34144	none
TM6SF1	0.158	0.0648	1.5735	0.14778	0.29	-5.38	0.57502	none
SLC2A4RG	0.235	0.1763	1.571	0.14834	0.291	-5.39	0.46743	none
KRTAP2-4	0.118	0.0996	1.571	0.14835	0.291	-5.39	-0.062	none
NLK	-0.224	-0.2437	-1.571	0.14838	0.291	-5.39	0.40893	none
FAM19A1	0.18	0.1088	1.5706	0.14843	0.291	-5.39	-1.1259	none
CYP20A1	0.216	0.01	1.5704	0.14849	0.291	-5.39	-0.5046	none
NKD1	0.181	0.1105	1.5701	0.14854	0.291	-5.39	-0.8569	none
MPV17L	0.21	0.0854	1.5699	0.14859	0.291	-5.39	0.20845	none
USP25	0.372	0.3666	1.5698	0.14861	0.291	-5.39	0.22775	none
SEC16A	0.4	0.5182	1.5698	0.14862	0.291	-5.39	-0.3492	none
PLA2G4D	-0.189	-0.11	-1.57	0.14864	0.291	-5.39	1.77994	none
ENHO	-0.158	-0.1312	-1.569	0.14872	0.291	-5.39	0.26761	none
POLD1	0.209	0.2538	1.5694	0.14872	0.291	-5.39	0.35459	none
CCDC34	0.376	0.4267	1.5693	0.14873	0.291	-5.39	0.17074	none
SLC35A4	0.144	0.1529	1.5692	0.14876	0.291	-5.39	0.64136	none
ARHGAP29	0.21	0.2004	1.5691	0.14879	0.292	-5.39	-0.5879	none
PCMTD1	0.188	0.0746	1.5687	0.14887	0.292	-5.39	0.13388	none
ANKRD26	0.35	0.3194	1.5686	0.14891	0.292	-5.39	0.15086	none
DBNDD2	-0.241	-0.3297	-1.569	0.14891	0.292	-5.39	0.30885	none
CCDC124	0.246	0.2896	1.5684	0.14895	0.292	-5.39	-0.6974	none
FANCD2O1	0.85	0.6029	1.5673	0.1492	0.292	-5.39	-0.8921	none
ERP29	0.183	0.1184	1.5669	0.1493	0.292	-5.39	-0.9134	none
SP2	0.561	0.5539	1.5668	0.14932	0.292	-5.39	-0.658	none
ZNF250	0.246	0.2224	1.5668	0.14933	0.292	-5.39	0.30118	none
S100A16	0.137	0.1389	1.5667	0.14934	0.292	-5.39	0.60516	none
RAB5C	0.193	0.0932	1.5667	0.14934	0.292	-5.39	-0.0333	none
MAP3K5	0.388	0.4468	1.5667	0.14934	0.292	-5.39	0.11564	none
SPDYE16	-1.397	-1.0166	-1.567	0.14938	0.292	-5.39	2.2645	AA-related
ARSA	0.22	0.0854	1.5661	0.14948	0.292	-5.39	-0.0239	none

KEAP1	0.271	0.2476	1.566	0.1495	0.292	-5.39	-0.2277	none
AKR1E2	0.544	0.5015	1.5657	0.14957	0.293	-5.39	0.83035	none
CNTN5	0.146	0.0995	1.5657	0.14958	0.293	-5.39	-1.3245	none
GABARAPI	-0.217	-0.2041	-1.566	0.1496	0.293	-5.39	-0.2262	none
SPACA4	-0.106	-0.0917	-1.565	0.14967	0.293	-5.39	-0.5051	none
C19ORF71	-0.204	-0.0856	-1.565	0.14969	0.293	-5.39	0.00963	none
GFOD1	0.217	0.2178	1.5652	0.14969	0.293	-5.39	-0.3837	none
KPNB1	0.526	0.652	1.5633	0.15013	0.293	-5.4	-0.582	none
GBF1	0.412	0.5475	1.5631	0.15018	0.293	-5.4	-0.3233	none
TTK	0.35	0.3163	1.5629	0.15023	0.294	-5.4	-0.309	none
RABGEF1	0.186	0.1643	1.5628	0.15025	0.294	-5.4	-0.5003	none
ADAM22	0.234	0.1775	1.5627	0.15027	0.294	-5.4	0.04994	none
GSTT2B	0.148	0.1179	1.5626	0.1503	0.294	-5.4	0.05897	none
LPAR6	0.213	0.1423	1.5622	0.15039	0.294	-5.4	-0.3728	none
SIT1	-0.217	-0.2152	-1.562	0.1504	0.294	-5.4	2.10714	AA-related
PJA1	-0.174	-0.102	-1.562	0.15052	0.294	-5.4	1.38251	none
PITX1	-0.162	-0.1513	-1.561	0.15057	0.294	-5.4	-0.1636	none
PPP1R3F	-0.351	-0.298	-1.561	0.15059	0.294	-5.4	0.80279	none
PLEKHS1	0.232	0.1336	1.5611	0.15065	0.294	-5.4	-1.1914	none
CEP57	0.301	0.2847	1.5609	0.15069	0.294	-5.4	0.42851	none
TNFRSF10I	0.159	0.221	1.5603	0.15084	0.294	-5.4	0.68927	none
PRKDC	0.489	0.5712	1.5601	0.15089	0.294	-5.4	-0.0681	none
CORO7	0.294	0.2729	1.5591	0.15113	0.295	-5.4	-0.4557	none
CCDC183	-0.31	-0.2039	-1.559	0.15113	0.295	-5.4	1.10098	none
BCOR	0.348	0.5057	1.559	0.15115	0.295	-5.4	-0.6071	none
RPL18A	-0.273	-0.2798	-1.559	0.15123	0.295	-5.4	0.76148	none
KCNK1	-0.2	-0.21	-1.558	0.15128	0.295	-5.4	1.94844	none
AKAP14	0.487	0.2853	1.5583	0.15131	0.295	-5.4	-0.5179	none
KCNMB2	0.15	0.1692	1.5581	0.15136	0.295	-5.4	0.2893	none
NTAN1	0.243	0.062	1.5577	0.15144	0.295	-5.4	-0.7509	none
PSMF1	-0.123	-0.115	-1.557	0.15162	0.296	-5.41	1.32348	none
DNMBP	0.272	0.2672	1.5564	0.15176	0.296	-5.41	-0.8568	none
PLK1	-0.156	-0.086	-1.556	0.15177	0.296	-5.41	0.7551	none
MRPL24	-0.17	-0.1391	-1.556	0.1518	0.296	-5.41	0.86255	none
FLRT2	0.248	0.1517	1.5559	0.15186	0.296	-5.41	-0.9284	none
SLFN12	-0.172	-0.1288	-1.556	0.15194	0.296	-5.41	1.68333	none
MTMR7	0.209	0.1218	1.5556	0.15194	0.296	-5.41	-0.8387	none
GNG8	-0.58	-0.3462	-1.555	0.15207	0.296	-5.41	2.09782	AA-related
KIAA1324I	0.459	0.3875	1.5548	0.15213	0.296	-5.41	-0.6985	none
CIC	0.387	0.4714	1.5544	0.15222	0.296	-5.41	-0.2187	none

ALAS2	-0.139	-0.112	-1.554	0.1523	0.297	-5.41	-0.1996	none
RIPK3	0.203	0.1862	1.5539	0.15235	0.297	-5.41	0.57027	none
SVOPL	0.152	0.156	1.5538	0.15237	0.297	-5.41	0.66656	none
PI4K2A	-0.119	-0.0441	-1.554	0.15239	0.297	-5.41	0.32248	none
DDX58	0.203	0.1536	1.5535	0.15245	0.297	-5.41	0.96759	none
NECTIN3	-0.26	-0.2605	-1.553	0.15249	0.297	-5.41	1.94519	none
PGBD1	-0.168	-0.096	-1.552	0.15268	0.297	-5.41	0.93417	none
EMC10	0.219	0.0735	1.5524	0.15271	0.297	-5.41	-0.2103	none
NHLRC4	-0.172	-0.1251	-1.552	0.15284	0.297	-5.41	1.38071	none
RCCD1	0.192	0.072	1.5515	0.15292	0.297	-5.41	0.62863	none
UBA5	0.157	0.1563	1.5508	0.15308	0.298	-5.41	0.62305	none
LAMTOR5	-0.216	-0.242	-1.551	0.1531	0.298	-5.41	1.0979	none
NOG	0.28	0.1764	1.5507	0.1531	0.298	-5.41	-0.6919	none
WEE2	0.167	0.1923	1.5506	0.15313	0.298	-5.41	0.77004	none
PLEKHA8	0.23	0.2131	1.5504	0.15318	0.298	-5.41	-1.2176	none
TMEM82	-0.132	-0.1321	-1.55	0.15325	0.298	-5.41	1.17573	none
FARS2	0.144	0.0814	1.5499	0.15329	0.298	-5.41	0.9347	none
UQCC2	-0.265	-0.2321	-1.55	0.15334	0.298	-5.42	1.36637	none
GRINA	0.188	0.1943	1.5496	0.15335	0.298	-5.42	-0.3589	none
H2BFM	0.333	0.2508	1.5494	0.15341	0.298	-5.42	-0.7757	none
LOXHD1	0.256	0.1717	1.5481	0.15373	0.299	-5.42	-0.1874	none
UCP3	0.189	0.1533	1.548	0.15375	0.299	-5.42	-0.174	none
PRKAR1B	0.147	0.145	1.5479	0.15376	0.299	-5.42	-0.6293	none
ATF1	0.231	0.1417	1.5478	0.1538	0.299	-5.42	1.48494	none
NTRK1	0.231	0.2245	1.5477	0.15382	0.299	-5.42	0.66292	none
SRP72	0.366	0.3948	1.5471	0.15396	0.299	-5.42	0.27428	none
ZNF672	0.16	0.1441	1.5471	0.15397	0.299	-5.42	0.72566	none
NOMO3	0.209	0.193	1.5464	0.15414	0.299	-5.42	-0.7286	none
DAPP1	0.207	0.1821	1.5454	0.15437	0.3	-5.42	-0.8999	none
ANAPC2	0.243	0.281	1.5454	0.15438	0.3	-5.42	-0.5049	none
KCNQ5	-0.146	-0.0387	-1.545	0.15451	0.3	-5.42	0.68108	none
KNDC1	0.222	0.2304	1.5447	0.15453	0.3	-5.42	1.08084	none
TOMM20L	0.431	0.3168	1.5442	0.15465	0.3	-5.42	-0.7156	none
ATF5	-0.312	-0.127	-1.544	0.15465	0.3	-5.42	1.7454	none
PIK3IP1	0.169	0.1287	1.5437	0.15479	0.3	-5.42	0.16926	none
HIST1H3G	-0.175	-0.1612	-1.543	0.15492	0.3	-5.42	-0.1712	none
STRN	0.256	0.301	1.5427	0.15501	0.301	-5.42	0.82444	none
S1PR4	-0.192	-0.2089	-1.543	0.15503	0.301	-5.42	0.65629	none
DNAH11	0.45	0.5441	1.5423	0.15512	0.301	-5.43	-0.4364	none
GNPDA1	-0.187	-0.1878	-1.542	0.15527	0.301	-5.43	1.54118	none

SCGB1A1	-0.372	-0.2949	-1.542	0.1553	0.301	-5.43	1.99986	none
SKIL	0.317	0.3386	1.5412	0.15537	0.301	-5.43	-0.6793	none
PPAN	0.201	0.2916	1.5408	0.15548	0.301	-5.43	-0.2186	none
RNF40	0.52	0.5806	1.5406	0.15553	0.301	-5.43	0.06265	none
HIGD1C	-0.228	-0.2627	-1.541	0.15554	0.301	-5.43	0.05513	none
HMGCL	0.179	0.1093	1.5403	0.15561	0.301	-5.43	-0.8207	none
AKAP2	0.35	0.3945	1.5402	0.15561	0.301	-5.43	0.4692	none
NDST2	0.221	0.2019	1.5402	0.15561	0.301	-5.43	-0.4762	none
C5ORF38	0.195	0.1304	1.5402	0.15561	0.301	-5.43	-0.3495	none
GNRH1	0.237	0.232	1.5396	0.15575	0.302	-5.43	0.55469	none
GCDH	0.147	0.136	1.5394	0.1558	0.302	-5.43	0.18651	none
HSPE1-MC	-0.395	-0.4384	-1.539	0.15583	0.302	-5.43	1.76372	none
COX7A2L	-0.275	-0.3056	-1.539	0.15585	0.302	-5.43	1.24584	none
SH2D3C	0.297	0.3539	1.5392	0.15587	0.302	-5.43	-0.7169	none
MMP25	0.246	0.1928	1.5391	0.15589	0.302	-5.43	-0.4044	none
ADPGK	0.167	0.1023	1.5388	0.15597	0.302	-5.43	0.79095	none
HS1BP3	0.2	0.1576	1.5386	0.15599	0.302	-5.43	1.09155	none
MYO1G	0.291	0.3018	1.5381	0.15611	0.302	-5.43	-0.1672	none
SQLE	0.179	0.1443	1.5375	0.15628	0.302	-5.43	0.52537	none
LEKR1	-0.278	-0.3409	-1.537	0.15637	0.302	-5.43	1.52853	none
ANAPC11	-0.28	-0.2638	-1.537	0.15639	0.302	-5.43	1.41718	none
KRT72	0.223	0.1741	1.5368	0.15643	0.302	-5.43	-1.0803	none
FN1	0.327	0.217	1.5367	0.15646	0.302	-5.43	-0.828	none
RNF215	0.168	0.2123	1.5359	0.15665	0.303	-5.43	-0.3016	none
ACAA2	-0.196	-0.1509	-1.536	0.15667	0.303	-5.43	2.44305	AA-related
PGRMC2	0.267	0.1812	1.5357	0.1567	0.303	-5.43	-0.4541	none
SOCS1	-0.224	-0.1958	-1.535	0.15684	0.303	-5.43	0.96286	none
ZDHHC5	0.214	0.271	1.5348	0.15693	0.303	-5.43	0.02557	none
CEP85L	0.196	0.2079	1.5347	0.15696	0.303	-5.44	-0.425	none
C2ORF49	-0.199	-0.1752	-1.534	0.15705	0.303	-5.44	0.47001	none
ALG10B	0.378	0.2495	1.5342	0.15707	0.303	-5.44	0.03545	none
AAGAB	-0.245	-0.2402	-1.534	0.15708	0.303	-5.44	1.9938	none
FRG2C	-0.131	-0.1051	-1.534	0.1571	0.303	-5.44	0.59826	none
TOMM20	-0.249	-0.2964	-1.534	0.15713	0.303	-5.44	1.52292	none
TMEM203	0.31	0.2487	1.5336	0.15721	0.304	-5.44	0.13822	none
FEM1B	0.314	0.1505	1.5335	0.15725	0.304	-5.44	-0.268	none
LRP4	0.252	0.265	1.5333	0.15728	0.304	-5.44	0.5888	none
AREG	-0.146	-0.1051	-1.533	0.15733	0.304	-5.44	1.9519	none
NTN1	-0.147	-0.1386	-1.533	0.15746	0.304	-5.44	1.24347	none
AGRP	0.283	0.2077	1.5324	0.1575	0.304	-5.44	0.13814	none

TBC1D31	0.298	0.1985	1.5324	0.15751	0.304	-5.44	-0.6646	none
MATN4	0.14	0.1353	1.5321	0.15758	0.304	-5.44	0.77575	none
SMARCA2	0.369	0.4723	1.532	0.1576	0.304	-5.44	0.32155	none
HIST1H1B	-0.19	-0.0768	-1.532	0.15763	0.304	-5.44	1.97538	none
POT1	-0.223	-0.214	-1.532	0.15766	0.304	-5.44	-0.0271	none
GPRIN3	0.419	0.4535	1.5317	0.15768	0.304	-5.44	-0.1849	none
CEP192	0.314	0.3864	1.5316	0.15771	0.304	-5.44	-0.3834	none
S100A7A	0.17	0.1805	1.5314	0.15775	0.304	-5.44	-0.7173	none
EXOC8	0.245	0.259	1.5314	0.15775	0.304	-5.44	-0.6746	none
RPN2	-0.15	-0.1042	-1.531	0.15775	0.304	-5.44	1.59377	none
NAGS	-0.146	-0.1344	-1.531	0.15787	0.304	-5.44	1.39832	none
NAGLU	0.225	0.148	1.5305	0.15798	0.304	-5.44	-0.3939	none
STAMBPL1	0.174	0.2099	1.53	0.15808	0.305	-5.44	0.01703	none
ITGB1BP1	-0.171	-0.1844	-1.53	0.1581	0.305	-5.44	1.25782	none
MMP12	-0.135	-0.1375	-1.53	0.15821	0.305	-5.44	0.67564	none
VPS37A	0.177	0.1688	1.5289	0.15837	0.305	-5.44	0.77533	none
KLC1	0.352	0.4337	1.5284	0.15848	0.305	-5.44	-0.26	none
ECEL1	-0.104	-0.0843	-1.528	0.15848	0.305	-5.44	0.78088	none
FPGT-TNN	0.275	0.2617	1.5283	0.15851	0.305	-5.44	-0.0507	none
PPCDC	0.201	0.223	1.5272	0.15878	0.306	-5.45	1.03767	none
TMEM219	-0.303	-0.3401	-1.527	0.15879	0.306	-5.45	1.76115	none
UBL3	0.137	0.0883	1.5266	0.15894	0.306	-5.45	0.27538	none
JARID2	0.368	0.4736	1.5263	0.15899	0.306	-5.45	0.07078	none
DSCC1	-0.166	-0.1437	-1.526	0.15915	0.306	-5.45	1.72749	none
CDYL	0.309	0.3642	1.5255	0.15919	0.306	-5.45	-1.0492	none
AURKAIP1	-0.211	-0.1736	-1.525	0.15925	0.306	-5.45	1.00398	none
DNAJC17	-0.211	-0.1493	-1.525	0.15926	0.306	-5.45	-0.0147	none
PIGQ	0.2	0.1799	1.5252	0.15926	0.306	-5.45	-0.4449	none
CHST14	-0.168	-0.1359	-1.525	0.15934	0.306	-5.45	1.37781	none
OTUD3	0.292	0.3159	1.5249	0.15935	0.306	-5.45	-0.5563	none
RSPH1	0.203	0.1292	1.5247	0.15941	0.306	-5.45	0.38271	none
FKBP1B	-0.154	-0.1141	-1.524	0.15967	0.307	-5.45	0.99094	none
ARHGAP4	0.21	0.2366	1.5235	0.1597	0.307	-5.45	0.1923	none
CTNS	0.134	0.0861	1.5232	0.15976	0.307	-5.45	0.38451	none
DNAJB5	0.21	0.2018	1.5232	0.15976	0.307	-5.45	0.61171	none
FOLR2	-0.174	-0.0873	-1.523	0.15978	0.307	-5.45	0.31145	none
TNNC2	0.287	0.1827	1.5228	0.15986	0.307	-5.45	-0.5504	none
GRIN3A	-0.155	-0.1274	-1.522	0.16	0.307	-5.45	1.89958	none
PPP2R5A	0.147	0.1093	1.5221	0.16005	0.307	-5.45	-0.4668	none
PACSIN3	-0.264	-0.2313	-1.522	0.16012	0.308	-5.45	0.88471	none

PIK3R3	0.2	0.0916	1.5211	0.16028	0.308	-5.45	0.42701	none
CBSL	0.241	0.2462	1.521	0.16031	0.308	-5.45	1.06255	none
AGBL5	0.231	0.228	1.5207	0.16039	0.308	-5.45	-0.6014	none
RRP15	-0.165	-0.1257	-1.52	0.1605	0.308	-5.45	0.91727	none
PDE7A	0.181	0.1718	1.5202	0.16051	0.308	-5.45	-0.6403	none
LMO2	-0.162	-0.1047	-1.52	0.16057	0.308	-5.45	0.19882	none
TMEM155	0.182	0.1738	1.5197	0.16063	0.308	-5.46	0.00161	none
KIAA0355	0.415	0.3912	1.5196	0.16067	0.308	-5.46	-0.7932	none
YWHAQ	-0.199	-0.1737	-1.52	0.16067	0.308	-5.46	1.03412	none
MLANA	0.384	0.3187	1.5195	0.16069	0.308	-5.46	-0.9035	none
ABHD16B	0.212	0.1941	1.5193	0.16073	0.308	-5.46	0.5708	none
MAGED1	0.241	0.2457	1.5192	0.16076	0.308	-5.46	-0.2843	none
CYFIP1	0.215	0.2752	1.5182	0.161	0.309	-5.46	-0.3029	none
HIST1H2BI	-0.354	-0.3517	-1.518	0.1611	0.309	-5.46	0.83973	none
TM2D3	-0.176	-0.1935	-1.518	0.16116	0.309	-5.46	1.48543	none
VASP	0.168	0.1084	1.5175	0.16119	0.309	-5.46	-0.9316	none
PINX1	-0.252	-0.0497	-1.517	0.16128	0.309	-5.46	1.6541	none
TTC17	0.341	0.3869	1.5169	0.16134	0.309	-5.46	-0.352	none
TOPBP1	0.542	0.6068	1.5165	0.16143	0.309	-5.46	0.09827	none
CCNB1	-0.149	-0.1368	-1.516	0.16146	0.309	-5.46	0.28197	none
KLK15	0.212	0.1586	1.5163	0.16148	0.309	-5.46	0.74326	none
CAPN11	0.116	0.1245	1.5161	0.16152	0.309	-5.46	-0.6293	none
KRT85	0.167	0.1079	1.5161	0.16152	0.309	-5.46	-0.8096	none
NOP14	0.563	0.7127	1.5159	0.16157	0.309	-5.46	0.14573	none
OGDHL	-0.244	-0.2426	-1.516	0.16166	0.31	-5.46	0.30767	none
RPS6KB2	-0.178	-0.1546	-1.515	0.16176	0.31	-5.46	1.76447	none
NDUFB7	-0.247	-0.2528	-1.515	0.16176	0.31	-5.46	1.49253	none
CELSR3	0.273	0.319	1.5145	0.16192	0.31	-5.46	-0.5688	none
VTA1	-0.133	-0.1547	-1.514	0.16198	0.31	-5.46	0.74204	none
CFAP100	0.402	0.3464	1.5142	0.162	0.31	-5.46	0.29247	none
SLC16A6	0.228	0.0975	1.514	0.16205	0.31	-5.46	-0.4597	none
ST7	0.169	0.1108	1.5139	0.16208	0.31	-5.46	-0.7294	none
TENM4	0.15	0.1368	1.5138	0.16209	0.31	-5.46	0.9154	none
DIAPH1	0.333	0.3792	1.5138	0.1621	0.31	-5.46	-0.7298	none
MRPS15	-0.18	-0.1854	-1.514	0.16212	0.31	-5.46	0.81487	none
TIPIN	0.168	0.0736	1.5136	0.16215	0.31	-5.46	0.3681	none
PPIL4	0.256	0.2604	1.5134	0.16219	0.31	-5.46	0.1496	none
SAFB	0.452	0.5565	1.5131	0.16227	0.31	-5.46	-0.2519	none
GTF2H2C	0.452	0.2333	1.5131	0.16227	0.31	-5.46	-0.6895	none
SUCLG1	-0.157	-0.2056	-1.513	0.16227	0.31	-5.46	0.32778	none



POLE2	0.279	0.103	1.5127	0.16238	0.31	-5.46	-0.2574	none
PDGFRB	-0.174	-0.149	-1.513	0.16241	0.31	-5.46	-0.2555	none
DCP1A	0.223	0.244	1.5123	0.16249	0.311	-5.46	0.27539	none
PABPC1L2	0.114	0.0908	1.5121	0.16254	0.311	-5.47	0.88165	none
MRPS18A	-0.141	-0.1511	-1.512	0.16257	0.311	-5.47	1.5181	none
KLHL3	-0.289	-0.2181	-1.511	0.1627	0.311	-5.47	0.0197	none
MAPRE1	-0.151	-0.1641	-1.511	0.16276	0.311	-5.47	0.88942	none
FNDC8	0.165	0.1408	1.5107	0.16289	0.311	-5.47	0.56387	none
TNF	0.721	0.6417	1.5103	0.16297	0.311	-5.47	0.79868	none
KMO	0.289	0.2443	1.5096	0.16315	0.312	-5.47	0.00365	none
FUT7	0.208	0.0798	1.5094	0.16321	0.312	-5.47	-0.6571	none
PARP4	0.339	0.3667	1.5093	0.16324	0.312	-5.47	-0.314	none
RPL13	-0.242	-0.2414	-1.509	0.16329	0.312	-5.47	1.60768	none
GPR1	0.158	0.1144	1.5088	0.16335	0.312	-5.47	0.1628	none
MROH7-T1	-0.361	-0.2935	-1.508	0.16345	0.312	-5.47	1.50043	none
MALSU1	-0.261	-0.2457	-1.508	0.16349	0.312	-5.47	1.00488	none
NEK7	0.218	0.1516	1.5081	0.16353	0.312	-5.47	0.6487	none
BTD	-0.246	-0.3098	-1.508	0.1636	0.312	-5.47	1.81904	none
IFNG	-0.282	-0.1905	-1.507	0.1637	0.312	-5.47	1.85424	none
FBXO7	-0.202	-0.2154	-1.507	0.16373	0.312	-5.47	2.22898	AA-related
SPATC1L	0.134	0.0937	1.5072	0.16377	0.312	-5.47	0.39013	none
NSUN7	0.219	0.2115	1.5071	0.16379	0.312	-5.47	-0.4016	none
PKD2	0.313	0.277	1.5067	0.16389	0.313	-5.47	-0.926	none
DNAJC2	0.366	0.4777	1.5065	0.16394	0.313	-5.47	-0.0749	none
AIMP2	-0.194	-0.2243	-1.506	0.16394	0.313	-5.47	1.39834	none
DTD1	-0.136	-0.1549	-1.506	0.16395	0.313	-5.47	0.91891	none
ARF6	0.181	0.1204	1.5064	0.16396	0.313	-5.47	-0.9667	none
GRIN2C	-0.168	-0.1332	-1.506	0.16397	0.313	-5.47	1.11577	none
GPR75-ASI	-0.295	-0.1622	-1.506	0.16402	0.313	-5.47	0.36498	none
NOLC1	0.595	0.7087	1.5056	0.16415	0.313	-5.47	-0.1608	none
CCDC141	0.244	0.2444	1.5056	0.16416	0.313	-5.47	-0.3381	none
SERBP1	-0.15	-0.0571	-1.506	0.16418	0.313	-5.47	1.6944	none
TXN2	-0.148	-0.1411	-1.506	0.16418	0.313	-5.47	1.18619	none
ZDHHC7	0.407	0.5002	1.5053	0.16423	0.313	-5.47	0.62806	none
TCAF1	0.347	0.4039	1.5053	0.16425	0.313	-5.47	-0.0499	none
DPM2	-0.123	-0.0796	-1.505	0.16429	0.313	-5.47	0.47134	none
MRPS30	0.117	0.076	1.5051	0.16429	0.313	-5.47	-0.8658	none
GPM6A	0.207	0.1378	1.5047	0.16439	0.313	-5.47	-0.1292	none
CALB2	0.13	0.1296	1.5045	0.16443	0.313	-5.47	0.80662	none
SFR1	0.208	0.1102	1.5042	0.16452	0.313	-5.48	-0.6456	none

TMEM237	-0.167	-0.1858	-1.504	0.16459	0.313	-5.48	0.76346	none
COX6A1	-0.185	-0.2054	-1.504	0.16463	0.313	-5.48	1.85654	none
GLB1L2	0.258	0.2546	1.5037	0.16463	0.313	-5.48	0.57756	none
AGPS	0.227	0.1871	1.5037	0.16464	0.313	-5.48	-0.5611	none
TPM4	0.257	0.2296	1.5036	0.16467	0.313	-5.48	-0.3479	none
GATB	-0.137	-0.0645	-1.503	0.16474	0.313	-5.48	1.10957	none
CADM1	0.42	0.3451	1.5028	0.16487	0.314	-5.48	-1.1046	none
MXI1	0.257	0.2329	1.5028	0.16487	0.314	-5.48	1.01788	none
LSG1	0.359	0.3895	1.5026	0.16493	0.314	-5.48	-0.5254	none
HIST1H2BI	0.194	0.015	1.5024	0.16497	0.314	-5.48	-0.5787	none
RASSF3	0.18	0.1126	1.502	0.16507	0.314	-5.48	1.09267	none
MED29	0.23	0.217	1.5017	0.16515	0.314	-5.48	-0.8599	none
EIF1B	-0.215	-0.2848	-1.501	0.16524	0.314	-5.48	1.70033	none
FGFBP3	0.127	0.1007	1.501	0.16534	0.314	-5.48	1.21869	none
SLC10A7	0.158	0.0928	1.5009	0.16535	0.314	-5.48	-0.3499	none
HIST1H3F	-0.434	-0.4803	-1.501	0.16537	0.314	-5.48	1.72867	none
PHKG2	0.167	0.1552	1.5008	0.16538	0.314	-5.48	-0.2936	none
TRMU	0.142	0.163	1.5003	0.16551	0.314	-5.48	-0.17	none
SERPING1	0.137	0.1458	1.5	0.16557	0.314	-5.48	1.46374	none
OCM	-0.18	-0.1691	-1.5	0.16558	0.314	-5.48	1.6827	none
MYOZ1	0.142	0.0927	1.5	0.16559	0.314	-5.48	-1.264	none
SLC30A9	-0.115	-0.1106	-1.5	0.1656	0.314	-5.48	1.92307	none
PROC	-0.187	-0.1314	-1.5	0.16561	0.314	-5.48	0.78772	none
UBQLNL	0.122	0.0892	1.4999	0.16562	0.314	-5.48	-0.5937	none
APPL2	0.299	0.3664	1.4997	0.16566	0.314	-5.48	0.2402	none
CYP4F2	-0.178	-0.1392	-1.499	0.16584	0.315	-5.48	-0.1178	none
SHH	-0.162	-0.1677	-1.499	0.1659	0.315	-5.48	1.20019	none
TMEM35A	0.125	0.1245	1.4982	0.16604	0.315	-5.48	0.31786	none
TADA1	-0.174	-0.1937	-1.498	0.16616	0.315	-5.48	0.59329	none
NOL8	0.429	0.498	1.4975	0.16622	0.315	-5.48	-0.5386	none
SLC2A3	0.17	0.0859	1.4975	0.16623	0.315	-5.48	0.23888	none
CDKN3	-0.234	-0.2809	-1.497	0.1663	0.315	-5.48	0.45602	none
RTKN	0.204	0.1707	1.4968	0.16639	0.316	-5.49	-0.6066	none
PRH1	0.352	0.245	1.4966	0.16646	0.316	-5.49	0.12211	none
PLK2	0.22	0.3072	1.4964	0.1665	0.316	-5.49	1.37889	none
OR6C76	0.127	0.1273	1.4959	0.16663	0.316	-5.49	-0.0353	none
POC1B-GA	-0.2	-0.191	-1.496	0.16672	0.316	-5.49	1.09506	none
HRK	0.176	0.0884	1.4952	0.16682	0.316	-5.49	0.04965	none
NUDT12	0.166	0.1208	1.495	0.16685	0.316	-5.49	0.26709	none
SLC37A1	-0.258	-0.1548	-1.495	0.16687	0.316	-5.49	1.07739	none

ULBP1	0.104	0.0723	1.4949	0.16689	0.316	-5.49	-0.5767	none
AHCYL1	0.21	0.1815	1.4947	0.16694	0.316	-5.49	-0.4109	none
CYP26B1	0.13	0.1305	1.4945	0.16698	0.316	-5.49	-0.5049	none
ERMP1	-0.133	-0.1034	-1.495	0.16699	0.316	-5.49	1.52215	none
KRI1	0.423	0.5234	1.4942	0.16707	0.316	-5.49	-0.2659	none
SFMBT2	0.272	0.2782	1.4931	0.16734	0.317	-5.49	0.0069	none
BEST3	-0.309	-0.2211	-1.492	0.16759	0.317	-5.49	1.11096	none
PPP5C	0.209	0.2415	1.4917	0.1677	0.317	-5.49	0.18845	none
ZNF184	0.23	0.2008	1.4915	0.16777	0.318	-5.49	-0.2845	none
DHRS4L2	-0.15	-0.1806	-1.491	0.16785	0.318	-5.49	0.75731	none
PARP3	0.283	0.2834	1.4907	0.16796	0.318	-5.49	-0.0805	none
CCR7	0.171	0.1682	1.4906	0.168	0.318	-5.49	-0.046	none
MT1F	-0.373	-0.4121	-1.49	0.16802	0.318	-5.49	1.0846	none
TLR2	0.175	0.1543	1.4903	0.16807	0.318	-5.49	0.2516	none
ATP6V1G2	0.162	0.1293	1.4897	0.16823	0.318	-5.49	-0.5088	none
ANAPC16	0.182	0.0303	1.4895	0.16829	0.318	-5.49	-0.0925	none
NDE1	0.449	0.4658	1.489	0.16841	0.318	-5.5	0.0346	none
MTO1	0.221	0.1578	1.489	0.16842	0.318	-5.5	-0.9232	none
C5ORF34	-0.174	-0.1522	-1.487	0.16881	0.319	-5.5	1.66666	none
ATRX	0.445	0.5526	1.4872	0.16888	0.319	-5.5	-0.1329	none
MSH2	0.257	0.2542	1.487	0.16892	0.319	-5.5	1.19553	none
HIST1H2A	0.508	0.3782	1.4869	0.16894	0.319	-5.5	0.5601	none
ILDR2	0.207	0.2043	1.4869	0.16895	0.319	-5.5	0.77043	none
OR1Q1	0.119	0.0968	1.4867	0.16901	0.319	-5.5	0.59825	none
PSRC1	-0.222	-0.1314	-1.487	0.16905	0.319	-5.5	0.64618	none
FHL1	0.198	0.1254	1.4857	0.16926	0.32	-5.5	0.97195	none
SPRED1	0.232	0.1809	1.4851	0.16941	0.32	-5.5	-0.3481	none
SPIN1	0.166	0.0502	1.485	0.16944	0.32	-5.5	0.06565	none
TRMT1L	0.234	0.2631	1.4847	0.16952	0.32	-5.5	-0.0658	none
KLF9	0.168	0.1388	1.4846	0.16955	0.32	-5.5	-0.4528	none
HRASLS	-0.17	-0.1958	-1.484	0.16981	0.321	-5.5	1.68861	none
CNIH3	0.179	0.1566	1.4831	0.16993	0.321	-5.5	-0.4124	none
MRPL45	-0.518	-0.3775	-1.483	0.17007	0.321	-5.5	0.33533	none
CLEC3B	-0.123	-0.0901	-1.482	0.17013	0.321	-5.5	1.03225	none
BICD1	0.241	0.2665	1.4822	0.17018	0.321	-5.5	0.34532	none
PPP2R2B	0.221	0.168	1.4822	0.17018	0.321	-5.5	-0.6243	none
TBC1D10A	-0.156	-0.1456	-1.482	0.1702	0.321	-5.5	2.07367	none
KLHL12	-0.12	-0.1205	-1.482	0.17027	0.321	-5.5	1.86251	none
FUCA1	-0.159	-0.14	-1.482	0.17029	0.321	-5.5	0.47888	none
MT-CO1	0.142	0.1079	1.4817	0.17031	0.321	-5.5	0.65161	none

DNAI2	-0.096	-0.0682	-1.482	0.17035	0.321	-5.51	1.88228	none
APRT	-0.227	-0.2249	-1.481	0.17039	0.321	-5.51	2.00154	none
SPANXN3	0.135	0.0901	1.4814	0.17039	0.321	-5.51	0.20876	none
PWWP2B	0.164	0.1346	1.4812	0.17042	0.321	-5.51	-1.1408	none
MPHOSPH	0.447	0.4965	1.481	0.17049	0.321	-5.51	-0.6169	none
UNC93B1	0.25	0.1751	1.4798	0.17079	0.322	-5.51	0.10283	none
CCNA2	-0.157	-0.1644	-1.48	0.17081	0.322	-5.51	1.6836	none
BRD3	0.287	0.2701	1.4797	0.17082	0.322	-5.51	-0.7407	none
STON2	0.263	0.2385	1.4796	0.17085	0.322	-5.51	-0.9818	none
HSPB7	-0.155	-0.1173	-1.48	0.17086	0.322	-5.51	1.09674	none
BAK1	-0.159	-0.1775	-1.479	0.17089	0.322	-5.51	1.8048	none
GLIPR2	-0.162	-0.2097	-1.479	0.17099	0.322	-5.51	0.25158	none
KLK6	-0.117	-0.0868	-1.479	0.17102	0.322	-5.51	0.49785	none
PDAP1	0.27	0.3285	1.4784	0.17118	0.322	-5.51	0.09268	none
NOSIP	-0.167	-0.1511	-1.477	0.17141	0.323	-5.51	1.54993	none
POTEG	0.177	0.1456	1.477	0.17155	0.323	-5.51	-0.9753	none
LRP1	0.235	0.1743	1.4766	0.17165	0.323	-5.51	-0.766	none
VPS25	-0.199	-0.219	-1.476	0.17167	0.323	-5.51	1.32198	none
ZNF80	0.182	0.1309	1.476	0.17178	0.323	-5.51	0.94554	none
GPR143	-0.118	-0.0928	-1.476	0.17189	0.323	-5.51	-0.0779	none
MAP2K1	-0.19	-0.1419	-1.476	0.17191	0.323	-5.51	1.28497	none
PIGX	0.289	0.164	1.4756	0.17191	0.323	-5.51	-0.7389	none
WBP4	-0.224	-0.1139	-1.475	0.172	0.324	-5.51	1.90607	none
GNB1L	-0.207	-0.2187	-1.475	0.17218	0.324	-5.51	1.33022	none
TMEM126	-0.25	-0.3221	-1.475	0.17218	0.324	-5.51	0.66063	none
GPATCH4	0.409	0.5637	1.4744	0.17221	0.324	-5.51	-0.6047	none
GADD45G	-0.183	-0.1683	-1.474	0.17224	0.324	-5.51	0.93179	none
PGM2	-0.14	-0.1053	-1.473	0.17259	0.325	-5.52	1.91224	none
POM121	0.328	0.4009	1.4729	0.17262	0.325	-5.52	-0.5199	none
FAM131B	-0.134	-0.1145	-1.473	0.17263	0.325	-5.52	0.24012	none
KCNK7	0.22	0.2378	1.4724	0.17274	0.325	-5.52	0.94567	none
ZNF30	0.264	0.2533	1.472	0.17284	0.325	-5.52	0.89373	none
NSF	0.148	0.1405	1.4719	0.17289	0.325	-5.52	-0.5803	none
SLC18B1	0.262	0.1476	1.4718	0.1729	0.325	-5.52	0.81543	none
CHAC2	-0.367	-0.3465	-1.472	0.1729	0.325	-5.52	0.98174	none
YTHDF2	0.177	0.1859	1.4716	0.17295	0.325	-5.52	0.74591	none
ZFP1	0.132	0.1682	1.4716	0.17295	0.325	-5.52	1.4641	none
VPS37C	-0.249	-0.1434	-1.471	0.17316	0.325	-5.52	1.53036	none
PITPNB	0.2	0.1663	1.4708	0.17317	0.325	-5.52	0.33325	none
SKAP1	-0.124	-0.1021	-1.471	0.17317	0.325	-5.52	1.01384	none

EIF1AY	0.241	0.1385	1.4702	0.17333	0.325	-5.52	-0.2173	none
KARS	-0.125	-0.1054	-1.47	0.17334	0.325	-5.52	1.17782	none
SNX7	0.358	0.2166	1.47	0.17338	0.326	-5.52	-0.8132	none
EXOC6B	0.349	0.3191	1.4699	0.17341	0.326	-5.52	-0.9402	none
HLA-A	0.138	0.0159	1.4698	0.17343	0.326	-5.52	0.06733	none
EAF1	0.156	0.0949	1.4696	0.17349	0.326	-5.52	-1.0284	none
WDR11	0.234	0.1963	1.4696	0.17349	0.326	-5.52	-0.8047	none
NKAIN1	-0.246	-0.2187	-1.469	0.17356	0.326	-5.52	2.00384	none
IL1RL1	-0.26	-0.1774	-1.469	0.17358	0.326	-5.52	2.11452	AA-related
CD164	-0.168	-0.1574	-1.469	0.17363	0.326	-5.52	1.34529	none
PNISR	0.297	0.3037	1.4689	0.17367	0.326	-5.52	0.57652	none
NXPH1	-0.134	-0.1345	-1.469	0.1737	0.326	-5.52	1.93047	none
LCN8	0.177	0.1392	1.4688	0.17371	0.326	-5.52	0.25834	none
CHPF	0.125	0.117	1.4683	0.17383	0.326	-5.52	0.63789	none
GET4	-0.154	-0.1006	-1.468	0.17384	0.326	-5.52	1.44592	none
EPRS	0.513	0.5787	1.4681	0.17388	0.326	-5.52	-0.1688	none
TIMP2	0.214	0.1935	1.4678	0.17398	0.326	-5.52	-0.5035	none
RABGGTA	-0.173	-0.1199	-1.468	0.17399	0.326	-5.52	0.9111	none
FSTL4	0.358	0.2687	1.4672	0.17412	0.326	-5.52	0.00207	none
ALS2	0.228	0.2068	1.4669	0.1742	0.326	-5.52	0.45775	none
RNF8	0.247	0.263	1.4669	0.17422	0.326	-5.52	0.10744	none
PHC2	-0.292	-0.2276	-1.467	0.17428	0.326	-5.52	0.39158	none
ANKS1A	0.203	0.2796	1.4666	0.17429	0.326	-5.52	-0.2085	none
MPZL1	0.148	0.0853	1.4665	0.17432	0.326	-5.52	0.33272	none
NTF3	-0.131	-0.1313	-1.466	0.17436	0.327	-5.52	1.92427	none
INA	0.141	0.1434	1.466	0.17444	0.327	-5.53	0.33708	none
FDXR	0.221	0.1807	1.4659	0.17446	0.327	-5.53	-0.9591	none
IPO4	0.191	0.1866	1.4653	0.17464	0.327	-5.53	-0.5916	none
CAPN1	0.168	0.118	1.4652	0.17464	0.327	-5.53	0.00281	none
SLC17A3	-0.153	-0.0972	-1.465	0.17465	0.327	-5.53	0.04485	none
RNF180	0.231	0.2028	1.4652	0.17467	0.327	-5.53	-0.1493	none
PSG11	0.224	0.1961	1.4651	0.17469	0.327	-5.53	-0.6603	none
NECTIN4	0.123	0.0883	1.4649	0.17473	0.327	-5.53	-1.0449	none
MUC2	-0.159	-0.1058	-1.464	0.17485	0.327	-5.53	0.96489	none
SLC4A9	0.13	0.1269	1.4643	0.17489	0.327	-5.53	-0.3392	none
GAPT	0.19	0.1704	1.464	0.17498	0.327	-5.53	-0.2087	none
VSTM1	-0.128	-0.0853	-1.464	0.175	0.327	-5.53	0.35444	none
ZDHHC11E	-0.2	-0.225	-1.464	0.17504	0.327	-5.53	1.36071	none
AC007325	-0.23	-0.2	-1.463	0.17521	0.328	-5.53	0.65628	none
IL1R2	-0.163	-0.1431	-1.463	0.17526	0.328	-5.53	2.00444	none

LMBRD2	-0.213	-0.2073	-1.463	0.17533	0.328	-5.53	0.00281	none
OR7G1	-0.114	-0.0646	-1.462	0.17549	0.328	-5.53	1.0039	none
UBE3D	0.259	0.1042	1.4621	0.1755	0.328	-5.53	-0.7217	none
ELF1	0.171	0.1563	1.4618	0.17555	0.328	-5.53	-0.2233	none
ZMYND8	0.397	0.4418	1.4612	0.17572	0.328	-5.53	-0.8633	none
RAB11FIP4	0.432	0.3359	1.4609	0.1758	0.328	-5.53	-0.5212	none
HIST1H4F	0.546	0.552	1.4607	0.17587	0.329	-5.53	-0.3194	none
OR2A1	0.117	0.0873	1.4605	0.17592	0.329	-5.53	-0.0287	none
BIN2	0.45	0.4726	1.4605	0.17593	0.329	-5.53	-0.3343	none
TRAFD1	0.195	0.0963	1.4601	0.17603	0.329	-5.53	-0.8077	none
LDOC1	-0.313	-0.2411	-1.46	0.17615	0.329	-5.53	1.84563	none
RBM34	0.292	0.305	1.4593	0.17623	0.329	-5.53	-0.2823	none
LRRC14	0.242	0.1837	1.4593	0.17624	0.329	-5.53	-0.2672	none
PPFIBP1	0.349	0.3298	1.4592	0.17627	0.329	-5.53	-0.0747	none
ZBED3	0.121	0.1123	1.459	0.17632	0.329	-5.53	-0.3827	none
PAOX	-0.285	-0.2139	-1.459	0.17639	0.329	-5.53	1.04402	none
NIPBL	0.386	0.52	1.4586	0.17643	0.329	-5.53	-0.1671	none
CDK2AP1	0.193	0.113	1.4586	0.17643	0.329	-5.53	-0.1849	none
PRPF6	0.367	0.445	1.4585	0.17644	0.329	-5.53	-0.2306	none
MMP9	-0.131	-0.0933	-1.458	0.17646	0.329	-5.53	0.38347	none
HPCAL4	0.155	0.1325	1.4571	0.17682	0.33	-5.54	-0.1174	none
AQP7	0.558	0.4532	1.4569	0.17689	0.33	-5.54	-0.8697	none
PARS2	-0.126	-0.0567	-1.457	0.17694	0.33	-5.54	1.54435	none
DTNB	-0.18	-0.0429	-1.457	0.17697	0.33	-5.54	1.40236	none
RLN3	-0.121	-0.0866	-1.457	0.17697	0.33	-5.54	1.41439	none
SLC6A8	0.486	0.2867	1.4562	0.17707	0.33	-5.54	-0.4919	none
CDK11B	0.386	0.4611	1.4559	0.17716	0.33	-5.54	-0.465	none
ETHE1	-0.239	-0.2657	-1.456	0.17718	0.33	-5.54	1.32708	none
ZNF705B	0.121	0.1211	1.4557	0.17721	0.33	-5.54	1.0648	none
FAM217B	0.144	0.1352	1.4548	0.17746	0.331	-5.54	0.52224	none
EXT1	0.236	0.2189	1.4546	0.1775	0.331	-5.54	-0.1226	none
EMC6	-0.239	-0.2237	-1.455	0.17751	0.331	-5.54	2.00071	none
RNASET2	0.16	0.0623	1.4536	0.17779	0.331	-5.54	0.35075	none
TRMT11	-0.154	-0.1473	-1.454	0.17779	0.331	-5.54	1.43823	none
ETV3	0.148	0.1376	1.4534	0.17783	0.331	-5.54	-0.7862	none
ADAM28	0.119	0.115	1.4529	0.17795	0.331	-5.54	1.4224	none
GPRIN1	0.211	0.2628	1.4526	0.17805	0.332	-5.54	0.13615	none
DAAM1	0.359	0.3285	1.4521	0.17817	0.332	-5.54	-0.5498	none
MRPL14	-0.241	-0.2507	-1.452	0.1783	0.332	-5.54	0.80972	none
IMMT	0.403	0.4459	1.4511	0.17845	0.332	-5.54	0.2414	none

EIF4G1	0.476	0.6511	1.4511	0.17846	0.332	-5.54	-0.3864	none
RAB28	-0.135	-0.187	-1.451	0.17853	0.332	-5.54	-0.1388	none
CRAMP1	0.301	0.3396	1.4506	0.17859	0.332	-5.55	-0.2439	none
UROS	0.197	0.1347	1.4502	0.1787	0.332	-5.55	-0.0946	none
ZFPL1	-0.299	-0.1652	-1.449	0.1789	0.333	-5.55	1.56761	none
PRR7	-0.158	-0.1413	-1.449	0.17891	0.333	-5.55	1.7178	none
TAP2	0.346	0.3096	1.4494	0.17891	0.333	-5.55	0.31043	none
KATNA1	-0.177	-0.1419	-1.449	0.17904	0.333	-5.55	1.36189	none
ARL14EP	-0.191	-0.1552	-1.449	0.17904	0.333	-5.55	2.18701	AA-related
TRAPPC2B	0.215	0.0327	1.4487	0.1791	0.333	-5.55	-0.8145	none
SH3BP5L	-0.239	-0.0705	-1.449	0.1791	0.333	-5.55	1.81721	none
FAM207A	0.139	0.1546	1.4483	0.1792	0.333	-5.55	0.6316	none
CNBD2	0.312	0.1442	1.4483	0.17923	0.333	-5.55	-0.813	none
C9ORF40	-0.274	-0.2082	-1.448	0.17925	0.333	-5.55	2.02704	none
EPN1	0.191	0.1761	1.4482	0.17926	0.333	-5.55	0.26159	none
GRB14	-0.12	-0.1204	-1.447	0.17955	0.334	-5.55	1.36588	none
CABP2	-0.114	-0.0886	-1.447	0.1796	0.334	-5.55	0.83869	none
NRCAM	0.183	0.2165	1.4468	0.17964	0.334	-5.55	0.01377	none
RCAN3	0.177	0.084	1.4465	0.1797	0.334	-5.55	-0.3316	none
TFB1M	0.162	0.0662	1.446	0.17983	0.334	-5.55	-0.5295	none
DDX54	0.386	0.4544	1.446	0.17984	0.334	-5.55	-0.5504	none
SAMD13	-0.141	-0.1036	-1.446	0.17984	0.334	-5.55	-0.3773	none
NPR1	0.123	0.1281	1.446	0.17985	0.334	-5.55	-0.7533	none
ZSWIM6	0.219	0.2482	1.4459	0.17988	0.334	-5.55	0.12849	none
FOXD4	0.13	0.0969	1.4458	0.17989	0.334	-5.55	-1.1597	none
RERE	0.502	0.5715	1.4458	0.17991	0.334	-5.55	-0.612	none
ARMCX3	0.141	0.0757	1.4457	0.17993	0.334	-5.55	0.72218	none
OR8G1	0.122	0.093	1.4456	0.17995	0.334	-5.55	-1.259	none
AGAP2	0.424	0.5133	1.4449	0.18014	0.334	-5.55	0.02899	none
AHRR	0.309	0.2556	1.4448	0.18018	0.334	-5.55	-0.5327	none
TSHZ1	0.277	0.306	1.4448	0.18018	0.334	-5.55	-0.3271	none
SCNN1D	-0.153	-0.1493	-1.445	0.18025	0.334	-5.55	0.28512	none
HK1	0.232	0.2792	1.4443	0.18032	0.334	-5.55	0.54166	none
SAYSD1	0.171	0.066	1.4436	0.18051	0.335	-5.55	0.05822	none
NEURL4	0.345	0.3963	1.4435	0.18052	0.335	-5.55	-0.5803	none
CLPSL1	-0.132	-0.1119	-1.444	0.18052	0.335	-5.55	-0.5689	none
TP53TG3D	0.162	0.1064	1.4434	0.18056	0.335	-5.55	0.34025	none
TMX2-CTN	-0.104	-0.1385	-1.443	0.18058	0.335	-5.55	0.57316	none
ZFHX2	0.272	0.2754	1.4433	0.18059	0.335	-5.55	-0.4398	none
UMODL1	-0.128	-0.1231	-1.443	0.18067	0.335	-5.55	0.13477	none

KLF12	0.244	0.295	1.4429	0.18068	0.335	-5.55	0.41099	none
SAMM50	-0.157	-0.1944	-1.443	0.18073	0.335	-5.56	0.6537	none
PPP2CA	-0.176	-0.1371	-1.443	0.18079	0.335	-5.56	1.90332	none
ESRRB	0.169	0.1288	1.4425	0.1808	0.335	-5.56	-1.0807	none
NEO1	0.688	0.4944	1.4423	0.18085	0.335	-5.56	0.16371	none
NDUFB1	-0.261	-0.3203	-1.442	0.18092	0.335	-5.56	0.78451	none
LCN6	-0.124	-0.0827	-1.441	0.18112	0.335	-5.56	0.86893	none
SLC36A1	0.294	0.3491	1.4412	0.18115	0.335	-5.56	1.07086	none
GAS2L1	0.134	0.1434	1.4409	0.18125	0.336	-5.56	0.34856	none
GEMIN6	0.235	0.0634	1.4405	0.18135	0.336	-5.56	-0.7592	none
ANKHD1-E	0.382	0.3981	1.4404	0.18138	0.336	-5.56	-0.4426	none
ADAMTS1	0.202	0.1396	1.4404	0.18139	0.336	-5.56	-0.6428	none
SMG5	0.293	0.4144	1.4403	0.18142	0.336	-5.56	0.86172	none
TMEM235	0.159	0.1561	1.44	0.1815	0.336	-5.56	0.5237	none
LUZP2	0.123	0.0707	1.4398	0.18156	0.336	-5.56	-0.5713	none
KIF9	0.315	0.1985	1.4392	0.18172	0.336	-5.56	0.88866	none
SERPINI1	0.376	0.2315	1.4388	0.18184	0.336	-5.56	-0.6614	none
3-Sep	-0.138	-0.0764	-1.439	0.18186	0.336	-5.56	0.93965	none
ITGB3	0.141	0.0992	1.4383	0.18197	0.337	-5.56	-1.2899	none
LCN9	0.137	0.1374	1.4382	0.18198	0.337	-5.56	0.7069	none
HHIPL1	0.141	0.1222	1.4382	0.18199	0.337	-5.56	-0.6795	none
GJB7	0.321	0.2714	1.438	0.18205	0.337	-5.56	-0.0951	none
KAT2A	0.265	0.2815	1.4377	0.18213	0.337	-5.56	-0.3437	none
BUB1	0.285	0.3198	1.4375	0.18217	0.337	-5.56	0.54107	none
ICAM3	-0.167	-0.1918	-1.437	0.18245	0.337	-5.56	1.99788	none
YTHDC1	0.38	0.4903	1.4365	0.18245	0.337	-5.56	0.59176	none
SNRPD3	-0.167	-0.1501	-1.436	0.18257	0.337	-5.56	0.17173	none
ENPP6	0.134	0.092	1.4355	0.18273	0.338	-5.56	-0.7377	none
MYH9	0.493	0.6438	1.4354	0.18276	0.338	-5.56	-0.2555	none
NET1	0.164	0.1638	1.4351	0.18284	0.338	-5.56	-0.3626	none
SNTB1	0.231	0.2634	1.4351	0.18284	0.338	-5.56	-0.0668	none
ZNF565	0.124	0.1192	1.4342	0.1831	0.338	-5.57	-0.123	none
ZNF14	0.228	0.2403	1.4342	0.18311	0.338	-5.57	-0.2351	none
SPTLC2	0.203	0.151	1.4337	0.18323	0.338	-5.57	0.98819	none
KIF13B	0.402	0.4249	1.4335	0.1833	0.338	-5.57	0.46236	none
C4ORF45	0.154	0.1346	1.4332	0.18339	0.339	-5.57	0.67903	none
SAMD10	0.207	0.1432	1.4329	0.18345	0.339	-5.57	0.38319	none
DALRD3	0.206	0.1031	1.4329	0.18347	0.339	-5.57	0.87298	none
BRSK2	0.273	0.2299	1.4321	0.18368	0.339	-5.57	-0.5711	none
UBE4A	0.231	0.2407	1.4316	0.18382	0.339	-5.57	-0.0425	none



SUV39H2	0.223	0.0931	1.4306	0.18409	0.34	-5.57	-0.2291	none
NDFIP1	-0.193	-0.2401	-1.43	0.18426	0.34	-5.57	0.81322	none
DSC1	0.104	0.0832	1.4298	0.18432	0.34	-5.57	-0.3511	none
EIF2AK3	0.212	0.2287	1.4298	0.18433	0.34	-5.57	-0.5566	none
KRT6A	-0.244	-0.2245	-1.43	0.18438	0.34	-5.57	0.22449	none
NDUFA9	-0.219	-0.235	-1.429	0.18446	0.34	-5.57	0.04156	none
CTNNA2	0.153	0.1537	1.429	0.18456	0.34	-5.57	-0.5508	none
TMEM221	0.303	0.2444	1.429	0.18456	0.34	-5.57	-0.8086	none
ASPM	0.394	0.4959	1.4289	0.18459	0.34	-5.57	0.23943	none
TEX38	-0.138	-0.0912	-1.428	0.18471	0.34	-5.57	0.31088	none
PTP4A2	0.119	0.0176	1.4283	0.18473	0.34	-5.57	0.6178	none
STK35	0.184	0.237	1.4283	0.18474	0.34	-5.57	-0.0082	none
CACNG5	0.13	0.1297	1.4282	0.18478	0.34	-5.57	1.17005	none
FBXO34	0.309	0.3165	1.4277	0.1849	0.341	-5.57	-0.1991	none
FCHSD2	0.283	0.2948	1.4274	0.185	0.341	-5.57	0.96267	none
NNMT	-0.129	-0.0996	-1.427	0.18513	0.341	-5.58	0.27456	none
PIP4K2A	0.275	0.3007	1.4269	0.18513	0.341	-5.58	-0.9943	none
HSD17B14	0.262	0.2055	1.4266	0.18521	0.341	-5.58	-0.3507	none
NHS	0.276	0.3633	1.4264	0.18529	0.341	-5.58	0.99864	none
DET1	0.256	0.1514	1.425	0.18568	0.342	-5.58	-0.2971	none
TRMT1	0.123	0.1491	1.4248	0.18572	0.342	-5.58	0.49513	none
PCP4	-0.125	-0.1247	-1.425	0.1858	0.342	-5.58	1.04028	none
SLC9A8	0.185	0.1988	1.4242	0.1859	0.342	-5.58	-0.9473	none
TPO	0.1	0.0763	1.4239	0.18597	0.342	-5.58	-0.4985	none
ACAN	0.122	0.0965	1.4239	0.18599	0.342	-5.58	-0.0843	none
RGS19	-0.169	-0.1971	-1.424	0.18603	0.342	-5.58	1.06986	none
MT-ND6	0.452	0.4907	1.4237	0.18603	0.342	-5.58	-0.2514	none
NMU	0.35	0.1898	1.4236	0.18607	0.342	-5.58	0.4515	none
HSF5	-0.155	-0.1539	-1.423	0.18609	0.342	-5.58	1.19339	none
ASCL3	0.125	0.0831	1.4235	0.18611	0.342	-5.58	1.11751	none
WNT5A	0.276	0.2761	1.4234	0.18611	0.342	-5.58	1.11927	none
CEBPB	-0.115	-0.0688	-1.423	0.18611	0.342	-5.58	0.75461	none
VDR	0.33	0.4479	1.4234	0.18612	0.342	-5.58	0.38143	none
ATP23	0.233	0.1794	1.4231	0.18619	0.342	-5.58	-0.0703	none
CTNNAL1	0.162	0.1574	1.423	0.18623	0.342	-5.58	0.99033	none
PGAP1	0.166	0.1058	1.4228	0.18629	0.342	-5.58	-0.1929	none
CPSF1	0.246	0.3142	1.4227	0.18631	0.342	-5.58	0.15665	none
PREP	0.174	0.1718	1.4227	0.18631	0.342	-5.58	0.75697	none
PARVG	-0.127	-0.0584	-1.423	0.18631	0.342	-5.58	1.56015	none
KCNA5	0.135	0.0867	1.4226	0.18634	0.342	-5.58	-1.0658	none

RGS22	0.166	0.1166	1.4225	0.18636	0.342	-5.58	0.43535	none
TFEC	-0.168	-0.0904	-1.423	0.18636	0.342	-5.58	0.87259	none
ARHGAP35	0.37	0.519	1.4225	0.18637	0.342	-5.58	-0.1056	none
PTPN7	0.214	0.2818	1.4225	0.18639	0.342	-5.58	-0.0287	none
ANKRD12	0.201	0.2274	1.4224	0.1864	0.342	-5.58	-0.0836	none
RANBP6	0.211	0.1597	1.4223	0.18644	0.342	-5.58	0.32611	none
IMPAD1	0.305	0.1823	1.4222	0.18646	0.342	-5.58	-0.7993	none
CCNE1	0.214	0.1913	1.4221	0.18649	0.342	-5.58	0.07754	none
KIAA1586	0.327	0.2741	1.422	0.18652	0.342	-5.58	-0.1325	none
F12	0.407	0.3098	1.4216	0.18662	0.342	-5.58	-0.0543	none
SH3KBP1	0.42	0.5022	1.421	0.1868	0.343	-5.58	0.57178	none
NME7	0.213	0.0552	1.421	0.18681	0.343	-5.58	-0.432	none
NDUFA10	-0.103	-0.0537	-1.421	0.18687	0.343	-5.58	1.68996	none
AREL1	0.208	0.1611	1.4206	0.1869	0.343	-5.58	-1.2668	none
BAHD1	0.311	0.341	1.4206	0.18691	0.343	-5.58	0.42194	none
MT-ATP8	0.382	0.3601	1.4205	0.18693	0.343	-5.58	0.35852	none
AARS	0.25	0.2927	1.4204	0.18697	0.343	-5.58	0.3369	none
NAGPA	0.153	0.1155	1.4202	0.18702	0.343	-5.58	-0.0766	none
ZNF781	0.504	0.5076	1.4202	0.18702	0.343	-5.58	-0.4497	none
DCAF12	0.147	0.0593	1.4202	0.18703	0.343	-5.58	1.02301	none
SOGA3	0.158	0.1932	1.4201	0.18704	0.343	-5.58	-0.3399	none
SMCO4	-0.243	-0.2006	-1.42	0.18707	0.343	-5.58	1.67563	none
TRIM49D2	-0.126	-0.1347	-1.42	0.18718	0.343	-5.58	0.81413	none
RPL39L	-0.238	-0.2992	-1.42	0.1872	0.343	-5.58	1.48546	none
ZNF626	0.205	0.0791	1.4195	0.18722	0.343	-5.58	0.19679	none
TRA2B	-0.157	-0.1808	-1.419	0.18731	0.343	-5.59	2.11396	AA-related
IGFL1	-0.113	-0.113	-1.419	0.18732	0.343	-5.59	-0.2788	none
LUZP1	0.416	0.4876	1.4191	0.18735	0.343	-5.59	-0.2283	none
SLC25A27	0.334	0.2569	1.4191	0.18735	0.343	-5.59	-0.4242	none
MYL6B	0.174	0.1064	1.419	0.18737	0.343	-5.59	0.44476	none
CEMP1	0.397	0.2825	1.4186	0.18747	0.343	-5.59	0.2999	none
GOT1L1	0.16	0.1746	1.4186	0.18748	0.343	-5.59	-0.0275	none
ERRFI1	-0.157	-0.1447	-1.419	0.18749	0.343	-5.59	1.4724	none
BRIX1	0.174	0.1698	1.4183	0.18757	0.343	-5.59	-0.7288	none
IL5RA	0.152	0.1368	1.4182	0.18759	0.343	-5.59	-1.1164	none
TREH	0.231	0.2308	1.4182	0.1876	0.343	-5.59	0.43847	none
VRK1	-0.146	-0.1268	-1.418	0.18761	0.343	-5.59	1.40319	none
HDX	-0.221	-0.1821	-1.418	0.18761	0.343	-5.59	1.32715	none
EVA1A	0.143	0.1514	1.4178	0.18769	0.343	-5.59	0.5925	none
ZNF792	0.125	0.1449	1.4175	0.18779	0.343	-5.59	1.47722	none

CDKN1C	-0.153	-0.1802	-1.418	0.18779	0.343	-5.59	1.44231	none
HDAC2	-0.182	-0.0991	-1.417	0.1879	0.344	-5.59	2.00813	none
KIF24	0.246	0.2706	1.4171	0.18791	0.344	-5.59	-0.4051	none
EEF2KMT	0.25	0.2102	1.4171	0.18792	0.344	-5.59	0.16104	none
ZBTB41	0.217	0.2227	1.417	0.18792	0.344	-5.59	0.55922	none
ATP1B3	-0.127	-0.1372	-1.416	0.18814	0.344	-5.59	1.05854	none
BEST4	0.148	0.1248	1.4161	0.18818	0.344	-5.59	0.72592	none
COL6A2	0.42	0.3584	1.416	0.1882	0.344	-5.59	-0.6089	none
PCED1B	0.213	0.1731	1.4158	0.18828	0.344	-5.59	-0.458	none
OR5H14	0.105	0.0782	1.4157	0.18831	0.344	-5.59	-0.4496	none
BICD2	0.354	0.4706	1.4156	0.18834	0.344	-5.59	0.07054	none
MYOF	0.435	0.5631	1.4154	0.18838	0.344	-5.59	0.07046	none
PLA2G2A	-0.179	-0.12	-1.415	0.18847	0.344	-5.59	1.0021	none
SYCP2L	-0.288	-0.2266	-1.415	0.18848	0.344	-5.59	1.52929	none
CEND1	0.359	0.3908	1.415	0.1885	0.344	-5.59	1.06506	none
ACAP3	0.323	0.2907	1.4141	0.18877	0.345	-5.59	-0.1777	none
PGLYRP3	-0.116	-0.0829	-1.414	0.18887	0.345	-5.59	0.94332	none
KCNH2	0.124	0.1063	1.4133	0.189	0.345	-5.59	-0.1468	none
KCNJ2	-0.099	-0.0796	-1.413	0.18902	0.345	-5.59	2.30605	AA-related
REG1B	0.169	0.1691	1.4131	0.18904	0.345	-5.59	-0.5233	none
TIGIT	-0.175	-0.238	-1.413	0.18908	0.345	-5.59	1.49783	none
STK32A	0.116	0.0976	1.413	0.18908	0.345	-5.59	-0.9077	none
AFF2	0.144	0.1138	1.4127	0.18914	0.345	-5.59	-1.1666	none
RNF170	0.221	0.0701	1.4125	0.18923	0.345	-5.59	0.07265	none
PON1	0.29	0.1818	1.4122	0.1893	0.345	-5.59	-0.6391	none
KRTAP13-3	0.116	0.116	1.4121	0.18933	0.345	-5.59	0.86214	none
FXD4	-0.125	-0.0795	-1.412	0.1894	0.345	-5.59	1.2992	none
GPN2	0.179	0.0935	1.4116	0.18947	0.346	-5.59	0.73087	none
HLF	0.194	0.1047	1.4111	0.18961	0.346	-5.6	0.44903	none
AK8	-0.364	-0.328	-1.411	0.18961	0.346	-5.6	0.8354	none
GRK3	0.277	0.2781	1.4111	0.18961	0.346	-5.6	-0.4221	none
MAPKAPK1	-0.124	-0.0171	-1.411	0.18971	0.346	-5.6	1.72055	none
HNRNPU	0.496	0.6282	1.4105	0.18978	0.346	-5.6	-0.1074	none
C1ORF21	-0.223	-0.2203	-1.41	0.18979	0.346	-5.6	1.7252	none
AUH	0.109	0.1192	1.4099	0.18996	0.346	-5.6	1.7425	none
OR10V1	0.112	0.0862	1.4098	0.19	0.346	-5.6	1.2838	none
CEP104	0.389	0.3631	1.4097	0.19002	0.346	-5.6	-0.6758	none
LYSMD3	0.172	0.048	1.4094	0.1901	0.346	-5.6	1.26126	none
GPRC5C	-0.174	-0.119	-1.409	0.19012	0.346	-5.6	0.31139	none
CRISPLD1	-0.123	-0.1273	-1.409	0.19013	0.346	-5.6	2.06316	none

OC90	0.124	0.082	1.409	0.19023	0.346	-5.6	-0.5465	none
NEMP2	0.15	0.0917	1.4089	0.19024	0.346	-5.6	0.68727	none
HTR3A	-0.107	-0.0972	-1.409	0.19033	0.346	-5.6	2.13398	AA-related
THUMPD2	0.155	0.153	1.4086	0.19033	0.346	-5.6	1.00681	none
MCM7	-0.119	-0.0673	-1.409	0.19033	0.346	-5.6	1.4246	none
CDRT15	0.343	0.3586	1.4086	0.19034	0.346	-5.6	-0.6679	none
ADAM17	0.308	0.238	1.4085	0.19035	0.346	-5.6	-0.4085	none
PAK2	0.156	0.1315	1.4085	0.19036	0.346	-5.6	-0.2391	none
TNRC6C	0.231	0.2244	1.4084	0.19039	0.346	-5.6	0.22388	none
VPS4A	0.187	0.2296	1.4083	0.1904	0.346	-5.6	1.40818	none
SPIDR	0.172	0.118	1.4082	0.19045	0.346	-5.6	-0.4478	none
KRTAP10-1	-0.119	-0.0791	-1.408	0.19054	0.347	-5.6	1.67587	none
EFCAB6	0.304	0.2373	1.4078	0.19058	0.347	-5.6	0.10699	none
RAB4B	0.185	0.0682	1.4074	0.19068	0.347	-5.6	-0.4761	none
CES2	0.212	0.2863	1.4065	0.19093	0.347	-5.6	-0.1496	none
GP6	0.171	0.1064	1.4065	0.19093	0.347	-5.6	-1.0196	none
RPS14	-0.291	-0.3262	-1.406	0.19108	0.347	-5.6	0.86495	none
RBKS	-0.256	-0.2577	-1.406	0.19119	0.348	-5.6	1.26617	none
CSE1L	0.136	0.1286	1.4055	0.19122	0.348	-5.6	0.47939	none
S100B	0.145	0.0692	1.4051	0.19134	0.348	-5.6	-0.3195	none
IL4I1	-0.196	-0.0301	-1.405	0.19139	0.348	-5.6	1.0505	none
EEFSEC	0.209	0.2715	1.4049	0.19141	0.348	-5.6	1.15261	none
ARHGEF28	0.416	0.4087	1.4045	0.19152	0.348	-5.6	0.52441	none
BCL3	0.178	0.1724	1.404	0.19166	0.348	-5.6	-0.3083	none
ERCC6L2	0.386	0.4871	1.4038	0.19173	0.348	-5.6	0.0467	none
CATSPER1	-0.133	-0.1035	-1.404	0.19176	0.348	-5.6	1.11599	none
SIRPB1	-0.201	-0.1755	-1.404	0.19177	0.348	-5.6	0.00469	none
NTF4	0.141	0.1413	1.4035	0.19179	0.348	-5.6	0.24563	none
PLEKHA6	-0.141	-0.1389	-1.403	0.19187	0.348	-5.61	2.03013	none
TMEM134	0.234	0.1436	1.4033	0.19187	0.348	-5.61	-0.0538	none
FFAR3	-0.095	-0.0733	-1.403	0.19194	0.348	-5.61	0.89399	none
IER5L	-0.112	-0.1084	-1.403	0.19195	0.348	-5.61	0.68661	none
KPNA6	0.141	0.0982	1.403	0.19196	0.348	-5.61	-0.1812	none
UPK3B	-0.139	-0.0836	-1.403	0.19207	0.349	-5.61	1.22049	none
WNT8B	-0.096	-0.0735	-1.402	0.19214	0.349	-5.61	1.2281	none
ZBTB44	0.185	0.1768	1.4019	0.19226	0.349	-5.61	-0.5892	none
SERF1A	0.378	0.3578	1.4014	0.19242	0.349	-5.61	0.93592	none
HBG1	0.223	0.1677	1.4011	0.19249	0.349	-5.61	-0.7374	none
TSSK6	-0.117	-0.031	-1.401	0.19255	0.349	-5.61	0.40205	none
CD28	-0.117	-0.1151	-1.401	0.19264	0.349	-5.61	1.20557	none

ZBTB6	-0.123	-0.1366	-1.4	0.19273	0.349	-5.61	0.64104	none
GIGYF1	0.259	0.2139	1.3999	0.19284	0.35	-5.61	-0.5905	none
USP47	0.353	0.4502	1.3999	0.19284	0.35	-5.61	0.66471	none
PPP1R15A	0.281	0.324	1.3997	0.19289	0.35	-5.61	-0.8759	none
CELA3A	0.113	0.1133	1.3996	0.19293	0.35	-5.61	1.67968	none
NME5	0.135	0.1084	1.3989	0.19312	0.35	-5.61	0.40814	none
PIN4	0.222	0.1061	1.3986	0.19322	0.35	-5.61	-0.7445	none
RAD52	0.28	0.3121	1.3986	0.19323	0.35	-5.61	-0.3825	none
FNBP1	0.42	0.5034	1.3981	0.19336	0.35	-5.61	-0.5215	none
PTAR1	-0.185	-0.086	-1.398	0.19349	0.351	-5.61	1.93693	none
WIPF3	0.178	0.1083	1.3973	0.1936	0.351	-5.61	-1.3523	none
GSN	0.373	0.2661	1.3972	0.19364	0.351	-5.61	-0.3995	none
ATP11B	0.239	0.2704	1.3968	0.19376	0.351	-5.61	-0.8924	none
ANKDD1B	0.132	0.1322	1.3967	0.19378	0.351	-5.61	0.76294	none
CD1B	-0.093	-0.0939	-1.397	0.19379	0.351	-5.61	1.01106	none
REXO4	0.3	0.3594	1.3957	0.19407	0.351	-5.61	-0.1109	none
TCIRG1	0.125	0.1317	1.3956	0.19411	0.351	-5.61	1.38573	none
H2AFX	-0.135	-0.1053	-1.396	0.19413	0.351	-5.61	1.05761	none
MSN	0.265	0.3032	1.3955	0.19414	0.351	-5.61	0.08916	none
HLA-DRA	-0.198	-0.1418	-1.395	0.19421	0.351	-5.62	-0.1084	none
CAP2	0.136	0.1005	1.395	0.19428	0.352	-5.62	0.42222	none
TMEM165	0.183	0.1184	1.395	0.19429	0.352	-5.62	0.98551	none
CDC42BPB	0.155	0.2407	1.3947	0.19436	0.352	-5.62	1.3493	none
PUDP	-0.224	-0.2898	-1.394	0.19461	0.352	-5.62	1.75625	none
UBE2Q2	-0.223	-0.2011	-1.394	0.19461	0.352	-5.62	0.99529	none
GCN1	0.368	0.4612	1.3937	0.19465	0.352	-5.62	0.29102	none
TMCO4	0.212	0.1425	1.3936	0.19469	0.352	-5.62	-0.5121	none
NRBP2	0.119	0.1118	1.3935	0.19472	0.352	-5.62	-0.5289	none
PROK2	-0.215	-0.2446	-1.393	0.19479	0.352	-5.62	0.56697	none
PET117	-0.373	-0.2246	-1.393	0.19484	0.352	-5.62	1.88904	none
OR6M1	-0.141	-0.0963	-1.393	0.19488	0.352	-5.62	1.29587	none
ABHD6	0.374	0.3078	1.3928	0.19491	0.352	-5.62	-0.4538	none
GDPD4	-0.172	-0.0363	-1.393	0.19493	0.352	-5.62	-0.045	none
PPP6C	-0.184	-0.2118	-1.392	0.19515	0.353	-5.62	1.8931	none
WDR3	0.104	0.1015	1.3915	0.19529	0.353	-5.62	-0.032	none
FOXP3	0.333	0.4273	1.3914	0.19534	0.353	-5.62	-0.651	none
TPR	0.248	0.1987	1.3912	0.19539	0.353	-5.62	-0.5276	none
MTCL1	-0.292	-0.2822	-1.391	0.19541	0.353	-5.62	-0.211	none
EMG1	-0.179	-0.2075	-1.391	0.1955	0.353	-5.62	2.19655	AA-related
HINT2	-0.194	-0.1846	-1.391	0.19551	0.353	-5.62	1.49791	none

APOC4	0.423	0.3698	1.3905	0.1956	0.353	-5.62	-0.7055	none
SMYD2	0.121	0.0637	1.3903	0.19566	0.353	-5.62	0.12868	none
GPAT2	0.187	0.1911	1.3902	0.19567	0.353	-5.62	-0.415	none
RSC1A1	0.351	0.4464	1.3902	0.19568	0.353	-5.62	1.34575	none
ABCG2	0.244	0.1518	1.3901	0.19571	0.353	-5.62	-0.394	none
PPP4R3A	0.284	0.3658	1.39	0.19575	0.353	-5.62	0.38542	none
DRP2	0.116	0.1267	1.3899	0.19578	0.353	-5.62	0.497	none
NLRP7	0.124	0.0994	1.3895	0.1959	0.353	-5.62	-1.062	none
MOV10	0.258	0.238	1.3889	0.19606	0.354	-5.62	-0.3921	none
RSBN1	0.256	0.189	1.3889	0.19607	0.354	-5.62	-0.3636	none
NIPAL1	0.202	0.1694	1.3884	0.1962	0.354	-5.62	-0.161	none
LRRN3	-0.329	-0.2347	-1.388	0.19621	0.354	-5.62	1.41089	none
ERICH2	0.184	0.2016	1.3883	0.19624	0.354	-5.62	1.50707	none
RELT	0.156	0.1766	1.3882	0.19627	0.354	-5.62	0.11865	none
LYRM1	0.198	0.1233	1.388	0.19633	0.354	-5.62	-0.1158	none
GIPC2	-0.133	-0.1632	-1.388	0.19636	0.354	-5.62	1.15935	none
MAD2L1BI	-0.174	-0.1759	-1.388	0.19645	0.354	-5.62	2.28616	AA-related
STYK1	0.315	0.2799	1.3871	0.1966	0.354	-5.63	0.99621	none
EIF3A	0.477	0.6077	1.3866	0.19673	0.355	-5.63	0.05341	none
ZBTB7C	-0.137	-0.145	-1.386	0.19683	0.355	-5.63	0.83513	none
VCPIP1	0.248	0.2436	1.3862	0.19685	0.355	-5.63	-0.0411	none
FAM47C	0.102	0.0775	1.3862	0.19687	0.355	-5.63	-1.1738	none
SNX3	-0.172	-0.2156	-1.386	0.19689	0.355	-5.63	0.84667	none
PFDN2	-0.17	-0.1059	-1.386	0.19689	0.355	-5.63	0.6002	none
SLC17A2	0.112	0.0782	1.386	0.19692	0.355	-5.63	-0.7929	none
MTRF1L	0.246	0.2777	1.3858	0.19698	0.355	-5.63	1.15185	none
C19ORF57	0.183	0.2421	1.3857	0.197	0.355	-5.63	0.32113	none
MAN1B1	0.254	0.2108	1.3855	0.19708	0.355	-5.63	-0.608	none
WDFY4	-0.144	-0.1102	-1.385	0.19716	0.355	-5.63	0.59437	none
IL1B	-0.134	-0.0307	-1.385	0.19717	0.355	-5.63	0.33249	none
RAD50	0.398	0.4981	1.3851	0.19718	0.355	-5.63	-0.1719	none
SIPA1L2	0.321	0.2142	1.3847	0.1973	0.355	-5.63	0.49537	none
VPS13D	0.314	0.3828	1.3846	0.19734	0.355	-5.63	0.31674	none
C1R	0.245	0.2137	1.3845	0.19736	0.355	-5.63	0.55649	none
GNL1	-0.152	-0.1293	-1.384	0.19749	0.355	-5.63	0.16412	none
ABHD10	-0.166	-0.1773	-1.384	0.1975	0.355	-5.63	1.41553	none
TOR1A	0.139	0.0618	1.3838	0.19756	0.355	-5.63	-0.1485	none
CSRNP2	0.123	0.1456	1.3836	0.19764	0.355	-5.63	0.71164	none
P3H3	0.423	0.3083	1.3834	0.19769	0.355	-5.63	-1.0084	none
IDH3B	-0.119	-0.1001	-1.383	0.19772	0.355	-5.63	-0.3095	none

MYL3	0.133	0.1326	1.3833	0.19772	0.355	-5.63	1.64295	none
CHURC1-F	-1.09	-0.931	-1.383	0.19772	0.355	-5.63	1.63039	none
CUL1	0.334	0.3983	1.3833	0.19773	0.355	-5.63	0.28977	none
DHX38	0.377	0.4639	1.3832	0.19774	0.355	-5.63	-0.3167	none
VANGL1	0.177	0.108	1.383	0.19781	0.355	-5.63	1.50149	none
SRRM3	0.198	0.1977	1.3829	0.19784	0.356	-5.63	-0.4836	none
ZNF853	0.098	0.1095	1.3825	0.19794	0.356	-5.63	-0.0191	none
FAM53B	0.191	0.2586	1.3824	0.19798	0.356	-5.63	0.2214	none
ZNF680	0.301	0.2629	1.3822	0.19806	0.356	-5.63	1.03778	none
COPZ1	-0.169	-0.2434	-1.382	0.19814	0.356	-5.63	1.81404	none
TRMT44	0.256	0.3461	1.3818	0.19816	0.356	-5.63	0.0623	none
PATL2	0.18	0.1095	1.3815	0.19824	0.356	-5.63	0.11926	none
ULK1	0.173	0.1218	1.3815	0.19825	0.356	-5.63	-0.8272	none
TMEM230	0.197	0.0235	1.3812	0.19834	0.356	-5.63	-0.2021	none
C15ORF62	0.148	0.1852	1.3812	0.19834	0.356	-5.63	0.75952	none
THADA	0.135	0.1826	1.3812	0.19835	0.356	-5.63	0.55974	none
ACE2	-0.115	-0.0764	-1.381	0.19839	0.356	-5.63	1.06169	none
ZNF569	0.308	0.2845	1.3807	0.19848	0.356	-5.63	0.69584	none
PTPN1	0.215	0.272	1.3802	0.19865	0.356	-5.63	-0.0654	none
AP1S2	-0.123	-0.1332	-1.38	0.19869	0.356	-5.63	1.67776	none
REC114	0.12	0.0865	1.38	0.19869	0.356	-5.63	0.26663	none
BBOF1	-0.277	-0.2071	-1.38	0.19878	0.357	-5.63	0.29956	none
MAGED4B	-0.307	-0.3192	-1.379	0.19887	0.357	-5.63	1.99708	none
DSCAML1	-0.102	-0.0879	-1.379	0.19899	0.357	-5.64	0.98639	none
TUBA3E	0.139	0.0976	1.3787	0.19907	0.357	-5.64	1.06436	none
SEMA3F	0.227	0.1158	1.3785	0.19916	0.357	-5.64	0.24954	none
OAS1	0.164	0.0905	1.378	0.1993	0.357	-5.64	-0.604	none
SMARCE1	0.303	0.334	1.3778	0.19936	0.357	-5.64	-0.2077	none
EXOSC8	-0.148	-0.1309	-1.378	0.19941	0.357	-5.64	0.75509	none
SPTBN1	0.462	0.6228	1.3775	0.19943	0.357	-5.64	-0.1095	none
LAPTM4A	-0.19	-0.26	-1.377	0.19948	0.358	-5.64	1.37884	none
DHX8	0.496	0.5155	1.3765	0.19974	0.358	-5.64	0.82463	none
MTX2	-0.189	-0.2141	-1.376	0.19987	0.358	-5.64	0.95053	none
LRCH4	-0.156	-0.0555	-1.376	0.1999	0.358	-5.64	1.23536	none
PTEN	0.345	0.3578	1.3759	0.19992	0.358	-5.64	-0.4116	none
RNASE6	0.13	0.1502	1.3759	0.19993	0.358	-5.64	0.88503	none
UGCG	0.172	0.1415	1.3758	0.19995	0.358	-5.64	0.65081	none
KNOP1	0.353	0.3764	1.3757	0.19999	0.358	-5.64	-0.7083	none
MPZL2	-0.169	-0.1969	-1.376	0.20002	0.358	-5.64	1.03547	none
OTUB2	-0.177	-0.1681	-1.376	0.20003	0.358	-5.64	1.55217	none

TMOD1	-0.118	-0.0741	-1.375	0.20006	0.358	-5.64	1.04203	none
RHCE	0.127	0.1306	1.3752	0.20014	0.358	-5.64	0.22265	none
ATP2B4	0.383	0.3757	1.3752	0.20015	0.358	-5.64	-0.0277	none
ADAM11	-0.18	-0.1636	-1.375	0.20018	0.358	-5.64	2.03456	none
HDAC11	0.262	0.187	1.375	0.2002	0.358	-5.64	0.55837	none
GPRASP1	0.21	0.1732	1.3749	0.20023	0.358	-5.64	0.18292	none
RNF214	-0.198	-0.0476	-1.375	0.20026	0.358	-5.64	1.64226	none
NUFIP2	0.286	0.3349	1.3746	0.20031	0.358	-5.64	-0.7949	none
SMARCC1	0.406	0.4905	1.3746	0.20032	0.358	-5.64	-0.2173	none
KLRG2	0.211	0.1637	1.3742	0.20045	0.359	-5.64	-0.6087	none
ATOH8	0.154	0.1454	1.374	0.20049	0.359	-5.64	-0.5928	none
METTL4	-0.332	-0.399	-1.373	0.20067	0.359	-5.64	0.85215	none
PTCH1	0.357	0.3255	1.3733	0.2007	0.359	-5.64	-0.2994	none
NPAS4	0.18	0.2057	1.3731	0.20076	0.359	-5.64	-0.3527	none
DYSF	0.147	0.1916	1.3727	0.20088	0.359	-5.64	-0.2852	none
ADNP	0.343	0.3871	1.3726	0.2009	0.359	-5.64	-0.446	none
ST6GAL1	0.113	-0.0061	1.3725	0.20095	0.359	-5.64	-0.6921	none
TBC1D3C	0.253	0.262	1.3724	0.20099	0.359	-5.64	1.21861	none
SMCO2	0.126	0.1274	1.3724	0.20099	0.359	-5.64	-0.8396	none
CCDC25	-0.121	-0.0963	-1.372	0.20103	0.359	-5.64	1.81606	none
MAGEH1	-0.197	-0.1964	-1.372	0.20104	0.359	-5.64	1.77697	none
GLB1	0.152	0.0371	1.3719	0.20114	0.359	-5.64	0.18363	none
BMP2K	0.227	0.1877	1.3714	0.20128	0.359	-5.64	0.65266	none
CCDC22	0.189	0.1666	1.3714	0.20128	0.359	-5.64	0.62332	none
CETN2	-0.256	-0.2572	-1.371	0.20129	0.359	-5.64	1.8451	none
TESK2	-0.153	-0.1022	-1.371	0.20131	0.359	-5.65	0.30328	none
DNTTIP2	0.495	0.6215	1.3712	0.20134	0.359	-5.65	0.04931	none
TUFM	-0.127	-0.0804	-1.371	0.20144	0.36	-5.65	1.57	none
PRPSAP1	0.174	0.1379	1.3707	0.20148	0.36	-5.65	-0.1272	none
LMF2	-0.14	-0.133	-1.371	0.20153	0.36	-5.65	1.08542	none
FAM173A	0.293	0.2266	1.3706	0.20153	0.36	-5.65	1.02733	none
CNNM1	0.121	0.1303	1.3703	0.20159	0.36	-5.65	-0.7421	none
PEA15	0.242	0.3254	1.3703	0.2016	0.36	-5.65	0.02833	none
CEP97	0.339	0.3086	1.3701	0.20168	0.36	-5.65	-0.3764	none
RBM14	0.121	0.0953	1.37	0.2017	0.36	-5.65	0.16686	none
GANAB	0.186	0.1715	1.3697	0.2018	0.36	-5.65	-0.3986	none
RBM24	0.125	0.1515	1.3695	0.20185	0.36	-5.65	0.8345	none
TRIM24	0.399	0.4866	1.3691	0.20197	0.36	-5.65	0.33521	none
MEF2C	-0.398	-0.3587	-1.369	0.20198	0.36	-5.65	1.27254	none
LPCAT4	0.242	0.2239	1.3691	0.20198	0.36	-5.65	-0.557	none



DENND6B	0.235	0.1929	1.369	0.20199	0.36	-5.65	-0.0793	none
PLCG2	0.306	0.3213	1.3685	0.20214	0.36	-5.65	-0.019	none
DEXI	0.206	0.2128	1.368	0.20232	0.361	-5.65	1.74513	none
CHRD2	0.09	0.0892	1.3678	0.20238	0.361	-5.65	-0.8356	none
CAPSL	0.135	0.1351	1.3677	0.20239	0.361	-5.65	1.27608	none
NAPEPLD	0.163	0.1931	1.3675	0.20244	0.361	-5.65	-0.4272	none
MASTL	0.208	0.2101	1.3669	0.20263	0.361	-5.65	0.25101	none
SCGB1C1	0.138	0.1384	1.3666	0.20272	0.361	-5.65	1.04011	none
LRP10	0.101	0.0614	1.3666	0.20274	0.361	-5.65	-0.3684	none
TMEM74B	0.315	0.215	1.3665	0.20275	0.361	-5.65	-0.901	none
BARX1	-0.149	-0.1123	-1.366	0.20278	0.361	-5.65	0.82041	none
ABHD8	-0.184	-0.1119	-1.366	0.20287	0.361	-5.65	1.09133	none
ZNF251	0.182	0.1531	1.3661	0.20289	0.361	-5.65	-0.2535	none
OR2M7	-0.112	-0.0749	-1.366	0.20299	0.361	-5.65	0.86195	none
OR7G3	-0.112	-0.0749	-1.366	0.20299	0.361	-5.65	1.39014	none
BSCL2	0.258	0.1164	1.3655	0.20305	0.361	-5.65	-0.4077	none
C19ORF48	0.124	0.1295	1.3653	0.20313	0.362	-5.65	-1.0653	none
CEP41	0.128	0.0908	1.3651	0.20318	0.362	-5.65	-1.1168	none
ARMT1	0.139	0.0685	1.3648	0.20327	0.362	-5.65	0.6948	none
CARS	-0.246	-0.138	-1.364	0.20339	0.362	-5.65	1.74175	none
OFCC1	0.25	0.1968	1.3642	0.20346	0.362	-5.65	-0.9503	none
PPP6R2	0.281	0.3345	1.3642	0.20346	0.362	-5.65	0.58835	none
TMEM173	0.136	0.0764	1.3641	0.20349	0.362	-5.65	-1.0757	none
CYP4F12	0.208	0.143	1.3636	0.20365	0.362	-5.65	-0.9757	none
TCF20	0.177	0.2293	1.3635	0.20367	0.362	-5.65	-0.1272	none
JTB	-0.229	-0.2279	-1.363	0.20374	0.362	-5.65	1.12433	none
AXIN1	0.323	0.3381	1.3629	0.20384	0.362	-5.66	-1.0148	none
MRPS18B	0.15	0.0581	1.3627	0.2039	0.362	-5.66	-0.7927	none
GPD2	-0.153	-0.0904	-1.362	0.204	0.363	-5.66	0.78374	none
MEIKIN	-0.25	-0.2382	-1.362	0.2041	0.363	-5.66	0.9378	none
TIMM9	-0.218	-0.2516	-1.362	0.2041	0.363	-5.66	0.90454	none
PSMD1	0.3	0.3425	1.362	0.20413	0.363	-5.66	0.25871	none
SLC39A6	0.204	0.2017	1.3614	0.2043	0.363	-5.66	0.30899	none
FOXO4	0.286	0.2657	1.3613	0.20433	0.363	-5.66	-0.8507	none
TIMM50	0.171	0.099	1.3612	0.20438	0.363	-5.66	-0.7582	none
IRF4	0.278	0.3228	1.3608	0.20449	0.363	-5.66	-0.7843	none
PEX11B	-0.177	-0.2186	-1.361	0.2045	0.363	-5.66	1.34529	none
SREBF1	0.166	0.2648	1.3608	0.2045	0.363	-5.66	-0.6112	none
PNPLA4	-0.306	-0.2878	-1.361	0.20452	0.363	-5.66	0.8446	none
TREM1	-0.131	-0.1102	-1.361	0.20457	0.363	-5.66	1.45407	none

BSPRY	0.157	0.1304	1.3602	0.20467	0.363	-5.66	0.66977	none
DKKL1	0.131	0.1307	1.3599	0.20476	0.363	-5.66	-0.6614	none
ANP32B	-0.137	-0.0516	-1.36	0.20477	0.363	-5.66	1.65203	none
P4HB	-0.141	-0.0844	-1.359	0.20495	0.364	-5.66	1.68334	none
NKX6-2	-0.146	-0.0864	-1.359	0.20502	0.364	-5.66	2.26338	AA-related
LIPT2	-0.195	-0.1336	-1.359	0.20505	0.364	-5.66	1.54292	none
NCOA4	0.114	0.0621	1.3585	0.2052	0.364	-5.66	0.67982	none
NAF1	0.232	0.1851	1.3585	0.20521	0.364	-5.66	0.21824	none
GYG1	0.155	0.0288	1.3583	0.20524	0.364	-5.66	0.32873	none
ST20-MTH	0.509	0.4032	1.358	0.20535	0.364	-5.66	-0.6676	none
SMC4	0.52	0.6967	1.3578	0.20541	0.364	-5.66	-0.1209	none
EGLN1	0.164	0.1058	1.3578	0.20542	0.364	-5.66	-0.4781	none
TRA2A	0.136	0.0793	1.3577	0.20545	0.364	-5.66	-0.385	none
PPM1J	-0.115	-0.0549	-1.357	0.20566	0.365	-5.66	0.97409	none
MEF2D	0.207	0.1958	1.3569	0.20568	0.365	-5.66	-0.336	none
CRACR2A	0.221	0.3332	1.3568	0.20571	0.365	-5.66	0.41926	none
DPYSL4	0.16	0.1805	1.3568	0.20572	0.365	-5.66	0.2219	none
PHOSPHO	-0.166	-0.1451	-1.356	0.20583	0.365	-5.66	0.85053	none
ZNF41	0.275	0.3661	1.3562	0.20589	0.365	-5.66	0.2997	none
FOXA1	0.13	0.176	1.356	0.20597	0.365	-5.66	0.12838	none
CCDC134	0.15	0.1297	1.3553	0.20617	0.365	-5.66	0.45159	none
MPP1	0.133	0.1335	1.3552	0.2062	0.365	-5.66	0.34223	none
HEBP1	0.16	0.1453	1.3551	0.20625	0.365	-5.67	1.12054	none
POLR3F	-0.262	-0.2362	-1.355	0.20634	0.365	-5.67	1.01058	none
SPOPL	-0.227	-0.1919	-1.355	0.20639	0.365	-5.67	0.2005	none
SPAG1	0.344	0.2672	1.3544	0.20647	0.366	-5.67	-0.8675	none
GRIA4	-0.184	-0.146	-1.354	0.20647	0.366	-5.67	1.37981	none
REPIN1	0.172	0.2039	1.3542	0.20652	0.366	-5.67	#####	none
MDH2	-0.117	-0.0963	-1.354	0.20654	0.366	-5.67	1.79169	none
GPR89B	-0.31	-0.2629	-1.354	0.20659	0.366	-5.67	2.09272	AA-related
GCA	0.186	0.0239	1.3539	0.20662	0.366	-5.67	0.35601	none
TEX30	-0.242	-0.2748	-1.354	0.20669	0.366	-5.67	0.84732	none
C1QA	-0.111	-0.0737	-1.354	0.20672	0.366	-5.67	-0.029	none
RNFT1	-0.292	-0.3377	-1.353	0.20675	0.366	-5.67	1.40775	none
IFI27L2	-0.262	-0.2506	-1.353	0.20678	0.366	-5.67	1.59715	none
SLC25A38	-0.152	-0.127	-1.353	0.20683	0.366	-5.67	1.08497	none
CENPF	0.202	0.3272	1.3531	0.20685	0.366	-5.67	0.1286	none
KCNK16	-0.108	-0.0877	-1.353	0.20688	0.366	-5.67	0.7405	none
ELMO3	0.172	0.2064	1.3525	0.20704	0.366	-5.67	0.04998	none
PAQR6	0.142	0.1134	1.352	0.20718	0.366	-5.67	-0.2669	none

REEP3	0.192	0.0624	1.3519	0.20724	0.366	-5.67	-0.9083	none
CDK18	0.439	0.391	1.3512	0.20743	0.367	-5.67	-0.1997	none
CEP131	0.281	0.285	1.3511	0.20747	0.367	-5.67	-0.7835	none
KIF5B	0.468	0.5793	1.3506	0.20761	0.367	-5.67	0.19187	none
TCTE3	0.093	0.0651	1.3504	0.20768	0.367	-5.67	-0.4132	none
TOMM5	-0.187	-0.208	-1.35	0.20769	0.367	-5.67	0.40623	none
ETNK2	0.276	0.272	1.3504	0.2077	0.367	-5.67	-0.5767	none
CBFB	0.191	0.1271	1.3503	0.20771	0.367	-5.67	-0.2851	none
NLRC4	-0.095	-0.069	-1.35	0.20779	0.367	-5.67	1.663	none
ADCY10	0.141	0.0974	1.3496	0.20795	0.367	-5.67	-0.7117	none
ZNF202	0.227	0.2489	1.3494	0.20799	0.367	-5.67	0.74046	none
IQCA1	0.12	0.1154	1.3493	0.20801	0.367	-5.67	0.28803	none
ATP10A	0.408	0.3789	1.349	0.20812	0.367	-5.67	-0.4104	none
PRMT1	0.148	0.0883	1.3489	0.20814	0.367	-5.67	-0.6261	none
C1ORF131	0.187	0.195	1.3489	0.20814	0.367	-5.67	-0.6899	none
CBLN2	-0.127	-0.1268	-1.349	0.20819	0.367	-5.67	0.14088	none
PLVAP	0.173	0.1594	1.3487	0.2082	0.367	-5.67	-0.8096	none
MTERF3	0.176	0.1061	1.3484	0.20832	0.368	-5.67	-0.4812	none
MYO5C	0.18	0.0884	1.3476	0.20856	0.368	-5.67	0.80926	none
PDRG1	-0.115	-0.0565	-1.347	0.20865	0.368	-5.67	1.43956	none
GALNS	0.165	0.114	1.3473	0.20866	0.368	-5.67	-0.4658	none
LDLRAP1	0.133	0.0781	1.346	0.20906	0.369	-5.68	-0.5125	none
ZDHHC19	-0.114	-0.085	-1.346	0.20906	0.369	-5.68	0.84676	none
CNRIP1	0.104	0.0968	1.3457	0.20916	0.369	-5.68	-0.2304	none
RFX6	-0.105	-0.0725	-1.345	0.20944	0.369	-5.68	0.8909	none
TMEM242	0.1	0.095	1.3443	0.20958	0.37	-5.68	-0.0972	none
POF1B	-0.092	-0.0732	-1.344	0.20962	0.37	-5.68	0.72809	none
KRTAP4-3	-0.109	-0.0728	-1.344	0.20968	0.37	-5.68	0.86195	none
MFHAS1	0.192	0.2128	1.3436	0.20981	0.37	-5.68	0.80585	none
TTYH2	0.269	0.1665	1.3435	0.20983	0.37	-5.68	-0.1108	none
CYP2C9	0.196	0.1363	1.3432	0.20992	0.37	-5.68	-0.5916	none
NLRX1	0.331	0.3037	1.3432	0.20993	0.37	-5.68	-0.4861	none
XRCC3	0.167	0.1657	1.3431	0.20997	0.37	-5.68	-0.3724	none
PATE1	0.148	0.1587	1.3429	0.21001	0.37	-5.68	0.23544	none
DIO2	0.19	0.238	1.3428	0.21004	0.37	-5.68	0.90001	none
FANK1	0.217	0.0826	1.3426	0.21012	0.37	-5.68	-1.0008	none
PDZD4	0.126	0.136	1.3418	0.21035	0.37	-5.68	0.38524	none
TECR	-0.143	-0.1813	-1.342	0.21035	0.37	-5.68	1.75867	none
CAMP	0.107	0.1067	1.3418	0.21037	0.37	-5.68	-0.7439	none
NAA10	-0.124	-0.0714	-1.342	0.21039	0.37	-5.68	1.90188	none

NXNL1	0.262	0.2007	1.3417	0.2104	0.37	-5.68	0.30997	none
ZNF281	0.336	0.3375	1.3413	0.21051	0.371	-5.68	0.5609	none
MSC	0.237	0.2603	1.3413	0.21052	0.371	-5.68	1.5101	none
ZNF443	-0.195	-0.1323	-1.341	0.21063	0.371	-5.68	1.82823	none
CBWD3	-0.208	-0.2538	-1.341	0.21064	0.371	-5.68	-0.1705	none
EIF3L	-0.105	-0.1135	-1.341	0.21066	0.371	-5.68	1.69793	none
XCR1	0.73	0.5515	1.3405	0.21078	0.371	-5.68	0.24042	none
U2SURP	0.336	0.4381	1.34	0.21093	0.371	-5.68	-0.3047	none
ICK	0.258	0.2865	1.3397	0.21103	0.371	-5.68	0.31446	none
C6ORF62	0.181	0.171	1.3394	0.2111	0.371	-5.68	-0.8722	none
DLEC1	0.373	0.293	1.3393	0.21114	0.371	-5.68	-0.713	none
SECTM1	-0.36	-0.1848	-1.339	0.21114	0.371	-5.68	0.88415	none
GRAMD1B	0.291	0.3909	1.3392	0.21116	0.371	-5.68	-0.3248	none
BCKDK	-0.151	-0.1068	-1.339	0.21122	0.371	-5.68	1.81757	none
FIGN	-0.105	-0.0851	-1.339	0.21122	0.371	-5.68	2.13142	AA-related
SMIM24	-0.25	-0.2279	-1.339	0.21122	0.371	-5.68	1.63391	none
IFITM2	0.123	0.0576	1.3385	0.2114	0.372	-5.69	0.1	none
USP2	0.21	0.2276	1.338	0.21155	0.372	-5.69	0.02054	none
ST20	0.276	0.1528	1.338	0.21155	0.372	-5.69	0.17519	none
RRP1B	0.337	0.4661	1.338	0.21155	0.372	-5.69	0.35753	none
USP45	0.254	0.1359	1.3372	0.2118	0.372	-5.69	-0.2525	none
PHB	-0.138	-0.1133	-1.337	0.21189	0.372	-5.69	0.6655	none
CSHL1	0.112	0.1116	1.3367	0.21196	0.372	-5.69	0.20808	none
MYBBP1A	0.314	0.42	1.3367	0.21197	0.372	-5.69	-0.1223	none
PSMA6	-0.166	-0.2145	-1.337	0.21199	0.372	-5.69	0.89078	none
MAGEF1	-0.15	-0.0566	-1.337	0.21199	0.372	-5.69	1.31783	none
COLCA2	-0.1	-0.082	-1.337	0.21202	0.372	-5.69	1.59588	none
RRP7A	-0.146	-0.0449	-1.336	0.2121	0.372	-5.69	0.04505	none
ANKRD52	0.439	0.5082	1.3357	0.21227	0.373	-5.69	-0.1201	none
VWDE	-0.119	-0.0795	-1.336	0.21227	0.373	-5.69	1.90725	none
PLA2G4B	0.229	0.199	1.3352	0.21244	0.373	-5.69	-0.6131	none
ADGRE1	-0.213	-0.2305	-1.335	0.21246	0.373	-5.69	0.7833	none
FBXO25	-0.156	-0.185	-1.335	0.21251	0.373	-5.69	1.40839	none
ZNF280C	0.262	0.2346	1.335	0.21251	0.373	-5.69	-0.525	none
PLEKHG5	0.241	0.1711	1.3349	0.21254	0.373	-5.69	-1.0223	none
CAAP1	0.201	0.1697	1.3348	0.21257	0.373	-5.69	0.44424	none
ACTN2	-0.182	-0.2294	-1.335	0.21264	0.373	-5.69	0.21121	none
TLN1	0.481	0.6297	1.3343	0.2127	0.373	-5.69	-0.5042	none
CAPZB	-0.135	-0.0679	-1.334	0.21279	0.373	-5.69	1.83818	none
CCAR2	0.207	0.2393	1.3341	0.2128	0.373	-5.69	0.14629	none

NR4A3	0.223	0.2658	1.333	0.21314	0.374	-5.69	-0.4799	none
ZNF71	0.126	0.1039	1.3329	0.21317	0.374	-5.69	0.30209	none
E2F4	0.119	0.1482	1.3326	0.21324	0.374	-5.69	0.33776	none
TACO1	0.124	0.0657	1.3325	0.21327	0.374	-5.69	1.00818	none
CYP3A4	0.156	0.1185	1.3324	0.2133	0.374	-5.69	0.51041	none
FAM118B	-0.344	-0.3037	-1.332	0.21334	0.374	-5.69	2.13181	AA-related
SSR3	-0.241	-0.3105	-1.332	0.21341	0.374	-5.69	1.14385	none
GOLGA8N	0.122	0.1348	1.3321	0.21343	0.374	-5.69	-0.0099	none
AC011043	0.11	0.0831	1.3318	0.21351	0.374	-5.69	-0.0687	none
AC011841	0.11	0.0831	1.3318	0.21351	0.374	-5.69	-0.0687	none
KIAA0930	0.324	0.3218	1.3318	0.21352	0.374	-5.69	0.51889	none
SIK3	0.299	0.2475	1.3318	0.21352	0.374	-5.69	-0.7342	none
RBM3	-0.193	-0.2652	-1.331	0.21364	0.374	-5.69	0.81708	none
PCDHA11	0.112	0.1185	1.3313	0.21366	0.374	-5.69	-0.2036	none
MOG	0.37	0.2893	1.3313	0.21368	0.374	-5.69	1.00811	none
FGF3	-0.096	-0.0729	-1.331	0.21373	0.374	-5.69	0.0339	none
TEX29	0.242	0.1626	1.3308	0.21384	0.374	-5.69	-0.566	none
CDC5L	0.353	0.3805	1.3306	0.2139	0.374	-5.69	-0.1871	none
C22ORF31	0.147	0.1038	1.3304	0.21396	0.374	-5.7	-0.1693	none
ZNF362	0.321	0.3432	1.33	0.21407	0.375	-5.7	0.6951	none
CHAT	-0.095	-0.091	-1.33	0.21417	0.375	-5.7	1.80806	none
ZNF784	0.1	0.1131	1.3297	0.21419	0.375	-5.7	0.90507	none
OCIAD1	0.146	0.066	1.3295	0.21423	0.375	-5.7	-0.3728	none
COX5B	-0.215	-0.2465	-1.329	0.21438	0.375	-5.7	0.90216	none
TAF1C	0.165	0.1715	1.3288	0.21445	0.375	-5.7	0.09505	none
ACY1	0.19	0.1204	1.3285	0.21456	0.375	-5.7	0.25487	none
TAX1BP1	0.496	0.5792	1.3285	0.21457	0.375	-5.7	-0.0301	none
CA9	0.209	0.1266	1.3283	0.21462	0.375	-5.7	0.91896	none
EPHX1	-0.224	-0.1986	-1.328	0.21479	0.375	-5.7	0.18548	none
ZNF709	0.171	0.1725	1.3277	0.21481	0.375	-5.7	1.49993	none
PRR4	-0.31	-0.232	-1.327	0.21494	0.376	-5.7	1.5613	none
STARD4	-0.199	-0.2402	-1.327	0.21498	0.376	-5.7	-0.1193	none
FNDC3B	0.269	0.2238	1.3271	0.215	0.376	-5.7	-0.3269	none
PLPPR2	0.122	-0.0194	1.327	0.21504	0.376	-5.7	-0.639	none
ITM2B	-0.196	-0.2788	-1.327	0.21506	0.376	-5.7	1.09639	none
ACTL6A	-0.124	-0.1576	-1.327	0.21514	0.376	-5.7	0.7015	none
CYP2U1	0.126	0.0724	1.3261	0.21531	0.376	-5.7	-0.1171	none
ZSCAN31	-0.24	-0.2381	-1.326	0.21534	0.376	-5.7	0.35409	none
NXF2B	-0.101	-0.0801	-1.326	0.21534	0.376	-5.7	1.3115	none
LENEP	-0.12	-0.0692	-1.326	0.21547	0.376	-5.7	1.07509	none

ODF3L2	0.173	0.1938	1.3255	0.2155	0.376	-5.7	0.43568	none
MROH6	0.116	0.1493	1.3252	0.21561	0.376	-5.7	1.02596	none
ARHGEF5	0.323	0.2235	1.3251	0.21563	0.376	-5.7	-0.8953	none
SDC2	0.163	0.1538	1.3248	0.21573	0.377	-5.7	0.50579	none
POLR2I	-0.205	-0.2154	-1.325	0.21581	0.377	-5.7	0.37588	none
ACYP1	0.193	0.139	1.3241	0.21594	0.377	-5.7	-0.2174	none
PYY	0.119	0.1219	1.3241	0.21596	0.377	-5.7	0.35764	none
GJA1	0.094	0.0836	1.3241	0.21597	0.377	-5.7	-0.005	none
PORCN	0.289	0.1854	1.3239	0.21602	0.377	-5.7	0.20879	none
RASGEF1C	-0.246	-0.1718	-1.323	0.2163	0.377	-5.7	1.92758	none
PHKA1	0.173	0.2437	1.3229	0.21636	0.377	-5.7	0.63155	none
SNX32	-0.123	-0.0202	-1.323	0.2164	0.377	-5.7	1.02741	none
PFDN5	-0.177	-0.2312	-1.322	0.21657	0.378	-5.71	0.97732	none
CABP7	-0.109	-0.0728	-1.322	0.21658	0.378	-5.71	1.56517	none
CPNE9	0.172	0.1799	1.3216	0.21675	0.378	-5.71	0.365	none
MFNG	-0.143	-0.1101	-1.322	0.21679	0.378	-5.71	1.47435	none
DLX4	-0.129	-0.1269	-1.321	0.2169	0.378	-5.71	1.46844	none
BTG2	-0.143	-0.0873	-1.321	0.21708	0.378	-5.71	1.33754	none
MRPS14	-0.166	-0.2162	-1.32	0.21713	0.378	-5.71	1.34971	none
CFAP20	-0.121	-0.1484	-1.32	0.21715	0.378	-5.71	1.27241	none
UPF3B	0.33	0.4047	1.3201	0.21725	0.379	-5.71	-0.1283	none
PLK4	0.37	0.3286	1.32	0.21728	0.379	-5.71	-0.8891	none
PSMB6	-0.21	-0.2281	-1.32	0.21735	0.379	-5.71	0.17873	none
GYG2	-0.099	-0.0697	-1.32	0.21738	0.379	-5.71	0.55601	none
SYNGR4	0.184	0.2247	1.319	0.2176	0.379	-5.71	0.40947	none
TSEN34	0.267	0.1246	1.3188	0.21765	0.379	-5.71	0.33111	none
TPSG1	-0.121	-0.1205	-1.319	0.21769	0.379	-5.71	0.71194	none
RASGRP1	0.279	0.3359	1.3185	0.21774	0.379	-5.71	0.05802	none
LRP5L	0.146	0.1532	1.3183	0.21782	0.379	-5.71	-0.5823	none
SLC52A2	-0.181	-0.1656	-1.318	0.21787	0.379	-5.71	0.96825	none
HM13	0.118	0.0878	1.3178	0.21799	0.379	-5.71	-1.1285	none
PRKAG3	-0.141	-0.1235	-1.318	0.21806	0.379	-5.71	-0.251	none
FLII	0.339	0.3832	1.3172	0.21818	0.38	-5.71	0.24005	none
AHNAK	0.321	0.4298	1.3171	0.21822	0.38	-5.71	-0.3669	none
MS4A6A	-0.232	-0.1866	-1.317	0.21832	0.38	-5.71	1.76788	none
A3GALT2	-0.112	-0.1122	-1.316	0.21843	0.38	-5.71	1.38436	none
MARS	0.108	0.0832	1.3164	0.21843	0.38	-5.71	0.40403	none
RNF186	0.106	0.1063	1.3164	0.21844	0.38	-5.71	-0.143	none
CD14	0.163	0.1128	1.3164	0.21844	0.38	-5.71	1.36652	none
GJB5	0.093	0.0763	1.3162	0.21851	0.38	-5.71	-1.0813	none

GZMA	-0.261	-0.2816	-1.316	0.21855	0.38	-5.71	1.8467	none
ZNF699	0.157	0.1473	1.3158	0.21864	0.38	-5.71	-0.547	none
ELOVL1	-0.149	-0.1774	-1.316	0.21868	0.38	-5.71	1.09265	none
ADCK5	0.185	0.1262	1.3156	0.2187	0.38	-5.71	-0.9075	none
ATP6V1F	-0.179	-0.2263	-1.315	0.2188	0.38	-5.71	1.68228	none
PTPMT1	-0.153	-0.1303	-1.315	0.21883	0.38	-5.71	2.25217	AA-related
EVPL	0.31	0.3266	1.315	0.21887	0.38	-5.71	0.90527	none
CUL5	0.235	0.2462	1.3149	0.21891	0.38	-5.71	1.01116	none
RIOK2	0.141	0.0719	1.3148	0.21893	0.38	-5.71	-0.2548	none
MS4A4A	0.203	0.1398	1.3148	0.21895	0.38	-5.71	-1.0358	none
SLC19A1	0.13	0.0963	1.3148	0.21895	0.38	-5.71	1.38314	none
PLXNB3	-0.095	-0.0929	-1.314	0.21922	0.381	-5.71	0.08636	none
MAT2B	-0.141	-0.1906	-1.314	0.21937	0.381	-5.72	0.82015	none
ZNF585A	0.201	0.0743	1.3134	0.2194	0.381	-5.72	-0.5857	none
KCTD8	0.129	0.0774	1.3134	0.21941	0.381	-5.72	-1.1473	none
ANKRD55	0.229	0.1201	1.3131	0.21949	0.381	-5.72	-0.5999	none
CCDC93	0.298	0.3392	1.3129	0.21955	0.381	-5.72	-0.422	none
TMEM106	-0.144	-0.1556	-1.313	0.21963	0.381	-5.72	1.31645	none
ACR	0.121	0.121	1.3125	0.21971	0.381	-5.72	1.2947	none
ZNF17	0.253	0.1814	1.3122	0.21981	0.381	-5.72	-0.7042	none
DHX29	0.345	0.3839	1.312	0.21987	0.381	-5.72	-0.1883	none
C15ORF61	0.25	0.1765	1.3119	0.21988	0.381	-5.72	-0.2919	none
RPN1	-0.129	-0.134	-1.312	0.21992	0.381	-5.72	1.54426	none
CHMP4B	0.214	0.2886	1.3117	0.21994	0.381	-5.72	-0.7384	none
WWC3	0.239	0.2598	1.3117	0.21996	0.381	-5.72	-0.0763	none
ZNF268	0.288	0.2413	1.311	0.22017	0.382	-5.72	-0.6697	none
TUBB6	0.229	0.1755	1.3103	0.22039	0.382	-5.72	-0.4046	none
ARL5B	0.1	0.0216	1.3103	0.2204	0.382	-5.72	0.76314	none
PKP3	-0.258	-0.1927	-1.31	0.22047	0.382	-5.72	-0.3148	none
ACRBP	0.428	0.2963	1.31	0.22051	0.382	-5.72	-0.2065	none
CASP4	-0.144	-0.1372	-1.31	0.22057	0.382	-5.72	0.03796	none
KDM5D	0.262	0.2455	1.3096	0.22063	0.382	-5.72	0.02957	none
WRB	-0.194	-0.2317	-1.309	0.2207	0.382	-5.72	0.75971	none
EBF1	0.151	0.1147	1.3086	0.22096	0.383	-5.72	-0.8127	none
ZBED6CL	0.14	0.2376	1.3085	0.22099	0.383	-5.72	0.41737	none
MGAT5B	0.102	0.0603	1.3083	0.22107	0.383	-5.72	-0.8939	none
TRADD	0.125	0.0912	1.3081	0.22114	0.383	-5.72	0.81239	none
MEOX1	0.133	0.0348	1.3074	0.22136	0.383	-5.72	0.26653	none
QPCT	-0.3	-0.332	-1.307	0.2216	0.384	-5.72	-0.1681	none
MORF4L2	0.145	0.0547	1.3065	0.22165	0.384	-5.72	0.10599	none

RAB11FIP2	0.278	0.2244	1.3063	0.22171	0.384	-5.72	0.24801	none
ZBBX	0.122	0.0755	1.3062	0.22175	0.384	-5.72	0.29973	none
CD2	-0.124	-0.0661	-1.306	0.22177	0.384	-5.72	0.96041	none
TTC12	0.289	0.2677	1.3061	0.22177	0.384	-5.72	-0.9349	none
POTEJ	0.107	0.071	1.3057	0.22189	0.384	-5.72	0.07437	none
ZXDA	-0.098	-0.0678	-1.306	0.2219	0.384	-5.72	0.79104	none
TSPYL4	-0.16	-0.1119	-1.306	0.22194	0.384	-5.73	1.80174	none
COX11	0.203	0.0938	1.3052	0.22208	0.384	-5.73	-0.368	none
GTF2F2	-0.131	-0.0715	-1.305	0.22209	0.384	-5.73	1.10561	none
ILF3	0.387	0.4912	1.3048	0.22219	0.384	-5.73	0.21972	none
PPP1R12C	-0.291	-0.1318	-1.305	0.22221	0.384	-5.73	0.5323	none
LSM10	-0.183	-0.2009	-1.305	0.22226	0.384	-5.73	1.77018	none
RLIM	0.245	0.2312	1.3046	0.22227	0.384	-5.73	-0.3417	none
PPM1G	0.185	0.2023	1.304	0.22245	0.385	-5.73	0.45209	none
TMEM81	-0.261	-0.1965	-1.304	0.2225	0.385	-5.73	0.3529	none
ITPKC	0.204	0.2756	1.3038	0.22254	0.385	-5.73	0.18588	none
AKNA	0.433	0.5603	1.3036	0.22258	0.385	-5.73	-0.1033	none
METTL1	0.105	0.1078	1.3036	0.22261	0.385	-5.73	0.22455	none
PANK4	0.253	0.2668	1.3031	0.22277	0.385	-5.73	-0.4564	none
CLDN19	0.123	0.0917	1.3027	0.22287	0.385	-5.73	-1.014	none
IL15RA	0.145	0.1407	1.3025	0.22297	0.385	-5.73	0.51156	none
PSMD2	0.155	0.2068	1.3023	0.22302	0.385	-5.73	0.55475	none
DNAJC15	-0.254	-0.2758	-1.302	0.22316	0.386	-5.73	1.95209	none
FAM71E2	-0.09	-0.0703	-1.301	0.22329	0.386	-5.73	0	none
FUT3	0.194	0.2698	1.3014	0.22333	0.386	-5.73	0.56081	none
CPXM2	-0.175	-0.1634	-1.301	0.22334	0.386	-5.73	0.60301	none
NID2	0.38	0.1985	1.3013	0.22335	0.386	-5.73	-0.0039	none
RBM47	0.247	0.1622	1.301	0.22345	0.386	-5.73	-0.0776	none
MYO1B	0.295	0.3372	1.3008	0.2235	0.386	-5.73	-0.6477	none
JAM2	0.283	0.1901	1.3006	0.22358	0.386	-5.73	-0.8861	none
ACTRT2	0.092	0.0758	1.3006	0.22359	0.386	-5.73	-0.5539	none
ATP6AP2	0.133	0.029	1.3003	0.22367	0.386	-5.73	-0.4269	none
CPB2	0.143	0.1038	1.3002	0.22372	0.386	-5.73	-0.4564	none
DNAJB7	0.118	0.0961	1.2999	0.22382	0.386	-5.73	-0.4001	none
OR10S1	-0.105	-0.0878	-1.3	0.22388	0.386	-5.73	1.8745	none
PRR14	0.217	0.2408	1.2991	0.22406	0.387	-5.73	0.85663	none
CNTD2	-0.109	-0.1037	-1.299	0.22413	0.387	-5.73	1.24883	none
PHOX2A	0.113	0.1127	1.2984	0.22431	0.387	-5.73	-0.7616	none
RTN3	-0.132	-0.173	-1.298	0.22437	0.387	-5.73	1.76699	none
LRRC20	0.145	0.1872	1.2979	0.22446	0.387	-5.73	0.72578	none



PHF2	0.296	0.3895	1.2978	0.2245	0.387	-5.73	-0.3375	none
OR2A12	0.156	0.0959	1.2975	0.2246	0.387	-5.73	-0.6044	none
MRPL32	-0.155	-0.1678	-1.297	0.22478	0.388	-5.74	0.40101	none
SRSF5	0.112	0.0997	1.2967	0.22488	0.388	-5.74	0.61478	none
DLX2	0.1	0.0754	1.2966	0.22489	0.388	-5.74	-0.1272	none
PDE1A	0.106	0.1044	1.2964	0.22495	0.388	-5.74	-0.5637	none
HUS1	0.16	0.0718	1.2964	0.22497	0.388	-5.74	0.54409	none
LLGL2	0.227	0.2007	1.2962	0.22502	0.388	-5.74	-0.3666	none
NIPSNAP3	-0.137	-0.1249	-1.296	0.22504	0.388	-5.74	1.1013	none
TARBP1	0.232	0.2302	1.296	0.22509	0.388	-5.74	-1.1503	none
IL16	-0.166	-0.0801	-1.296	0.22509	0.388	-5.74	0.69524	none
ZRANB1	0.164	0.1481	1.2957	0.2252	0.388	-5.74	-0.4098	none
CCDC74B	0.297	0.2378	1.2956	0.22523	0.388	-5.74	-0.517	none
UNG	-0.132	-0.141	-1.295	0.22538	0.388	-5.74	2.18956	AA-related
H2AFB2	-0.188	-0.1769	-1.295	0.22539	0.388	-5.74	0.03723	none
PABPC3	0.094	0.0546	1.2948	0.22548	0.388	-5.74	-1.009	none
INTS10	0.11	0.1116	1.2941	0.22572	0.389	-5.74	-0.0779	none
DNAJC19	-0.216	-0.2757	-1.294	0.2258	0.389	-5.74	1.31783	none
SOX5	-0.129	-0.1245	-1.294	0.22582	0.389	-5.74	-0.6509	none
WNK3	0.108	0.0505	1.2935	0.22592	0.389	-5.74	-1.0884	none
CLEC2L	0.122	0.0921	1.2932	0.22602	0.389	-5.74	-0.2994	none
TLE4	0.261	0.2919	1.2923	0.22632	0.389	-5.74	-0.2966	none
PSMD6	-0.096	-0.0969	-1.292	0.22633	0.389	-5.74	0.71507	none
BOP1	0.129	0.1534	1.2923	0.22634	0.389	-5.74	#####	none
POLD3	0.311	0.4445	1.2915	0.2266	0.39	-5.74	0.05243	none
SIVA1	-0.271	-0.2909	-1.291	0.22672	0.39	-5.74	1.55354	none
MYBPC3	0.088	0.0826	1.2911	0.22673	0.39	-5.74	-0.9267	none
ATP11C	0.222	0.2465	1.2907	0.22685	0.39	-5.74	0.17106	none
HBG2	0.193	0.2398	1.2906	0.22688	0.39	-5.74	0.79074	none
ADPRHL1	0.188	0.1403	1.2906	0.2269	0.39	-5.74	-0.1499	none
MOGS	0.216	0.1496	1.2903	0.227	0.39	-5.74	-0.7848	none
COL13A1	-0.088	-0.0641	-1.29	0.22703	0.39	-5.74	-0.6211	none
ABCB8	0.148	0.1522	1.2898	0.22714	0.39	-5.74	1.06189	none
MDC1	0.369	0.5214	1.2897	0.22718	0.39	-5.74	0.04603	none
NDUFS6	-0.197	-0.1695	-1.289	0.22726	0.391	-5.74	0.16516	none
UBTF	0.394	0.5281	1.2894	0.22729	0.391	-5.74	0.11595	none
OCLM	0.251	0.2298	1.2893	0.22733	0.391	-5.74	0.16612	none
H3F3C	0.211	0.165	1.2893	0.22733	0.391	-5.74	-0.5702	none
TRPS1	0.264	0.3806	1.2892	0.22735	0.391	-5.74	0.02625	none
FBP1	-0.291	-0.2451	-1.289	0.22738	0.391	-5.74	1.68197	none

DPH3	-0.228	-0.2563	-1.289	0.22738	0.391	-5.74	1.29421	none
WDR86	0.102	0.1277	1.2889	0.22745	0.391	-5.74	0.27224	none
ITIH6	-0.102	-0.0683	-1.289	0.2275	0.391	-5.75	1.63349	none
PDK2	0.155	0.156	1.2888	0.2275	0.391	-5.75	0.3974	none
LY6G5B	0.66	0.6103	1.2886	0.22756	0.391	-5.75	0.08317	none
CCNO	-0.102	-0.0994	-1.288	0.2277	0.391	-5.75	0.99885	none
FBXL17	0.17	0.1021	1.2879	0.2278	0.391	-5.75	0.96938	none
PCDHGB5	-0.087	-0.0682	-1.288	0.22784	0.391	-5.75	1.11272	none
LRRC28	0.142	-0.0147	1.2876	0.22788	0.391	-5.75	-0.1352	none
CMIP	0.255	0.3624	1.2869	0.22813	0.391	-5.75	0.02418	none
CASKIN1	0.133	0.1476	1.2864	0.22829	0.392	-5.75	1.56865	none
DOK1	-0.128	-0.0406	-1.286	0.22836	0.392	-5.75	1.57079	none
FAM45A	0.175	0.0587	1.2862	0.22836	0.392	-5.75	-0.4824	none
CD99L2	0.112	0.0834	1.2861	0.2284	0.392	-5.75	0.56987	none
AKR1C4	0.105	0.0733	1.2857	0.22853	0.392	-5.75	0.74411	none
PPFIA3	-0.101	-0.0541	-1.286	0.22855	0.392	-5.75	1.53961	none
C16ORF91	-0.19	-0.1251	-1.286	0.22857	0.392	-5.75	0.97524	none
TMEM37	-0.152	-0.1175	-1.285	0.2286	0.392	-5.75	0.92103	none
ELP5	-0.21	-0.266	-1.285	0.22867	0.392	-5.75	1.01938	none
ADRM1	-0.129	-0.0653	-1.285	0.2287	0.392	-5.75	0.66817	none
DPYSL3	-0.184	-0.1428	-1.285	0.22875	0.392	-5.75	-0.2685	none
PRELID3B	-0.183	-0.2058	-1.285	0.22878	0.392	-5.75	1.50013	none
EMC8	0.185	0.0889	1.2846	0.2289	0.392	-5.75	0.78858	none
MED12L	0.244	0.2584	1.2845	0.22894	0.392	-5.75	-0.0094	none
RNASEH2E	-0.117	-0.1571	-1.284	0.22902	0.392	-5.75	1.07883	none
S1PR1	-0.132	-0.1579	-1.284	0.22908	0.392	-5.75	0.03711	none
IARS2	0.141	0.1801	1.284	0.2291	0.392	-5.75	0.9071	none
TFE3	0.219	0.2595	1.2836	0.22922	0.393	-5.75	0.12411	none
KIAA0753	0.339	0.3662	1.2836	0.22922	0.393	-5.75	0.40733	none
SH3BGRL	-0.144	-0.1724	-1.284	0.22926	0.393	-5.75	1.54205	none
CDKN2D	-0.159	-0.0935	-1.284	0.22926	0.393	-5.75	1.32276	none
BNIP3	-0.139	-0.1147	-1.283	0.22946	0.393	-5.75	1.31986	none
SMAP2	-0.09	-0.0507	-1.283	0.22956	0.393	-5.75	0.74369	none
SLC25A25	0.13	0.1556	1.2826	0.22958	0.393	-5.75	1.30882	none
RPF1	0.105	0.0502	1.2824	0.22965	0.393	-5.75	-0.2036	none
DQX1	-0.226	-0.2093	-1.282	0.22966	0.393	-5.75	1.64358	none
COQ8B	0.147	0.1239	1.2823	0.22966	0.393	-5.75	1.0327	none
USF1	0.398	0.4582	1.2818	0.22984	0.393	-5.75	-0.4607	none
SOX30	-0.104	-0.0638	-1.282	0.22991	0.393	-5.75	-0.1653	none
GCNT1	0.2	0.1734	1.2815	0.22993	0.393	-5.75	0.11264	none

OXTR	-0.147	-0.1437	-1.281	0.22998	0.393	-5.75	0.74759	none
ZDHHC23	0.12	0.1349	1.2813	0.23001	0.393	-5.75	-1.0003	none
PEX2	-0.23	-0.2509	-1.281	0.23011	0.394	-5.75	1.4776	none
SRSF11	0.22	0.2457	1.2809	0.23015	0.394	-5.75	0.15121	none
CD93	0.106	0.116	1.2808	0.23017	0.394	-5.75	-0.6613	none
RPS9	-0.281	-0.2337	-1.28	0.23058	0.394	-5.76	0.26967	none
MTHFS	-0.144	-0.1642	-1.279	0.23061	0.394	-5.76	1.22717	none
POMGNT2	-0.111	-0.0416	-1.279	0.23075	0.394	-5.76	1.16635	none
KANK1	0.258	0.1971	1.2789	0.23081	0.394	-5.76	-0.1526	none
NGFR	0.109	0.0912	1.2786	0.23091	0.395	-5.76	0.67844	none
NCR3LG1	0.099	0.0961	1.2783	0.23101	0.395	-5.76	-0.0438	none
TBC1D3D	-0.167	-0.0537	-1.278	0.23109	0.395	-5.76	0.85261	none
HEY1	-0.086	-0.0471	-1.278	0.23113	0.395	-5.76	1.42796	none
HSPD1	-0.132	-0.0528	-1.278	0.23122	0.395	-5.76	1.75892	none
UBAC1	0.122	0.1296	1.2776	0.23125	0.395	-5.76	0.45314	none
APLF	-0.113	0.0067	-1.277	0.23132	0.395	-5.76	1.56616	none
DNM3	-0.177	-0.1298	-1.277	0.23138	0.395	-5.76	1.65123	none
ZFP69	0.16	0.116	1.2772	0.23139	0.395	-5.76	-0.8495	none
METTL26	-0.166	-0.1537	-1.277	0.23162	0.395	-5.76	1.43277	none
ALKBH8	0.171	0.1554	1.2764	0.23166	0.395	-5.76	1.02612	none
TSPAN13	-0.173	-0.1668	-1.276	0.23186	0.396	-5.76	2.02059	none
IFT27	-0.196	-0.2284	-1.276	0.23196	0.396	-5.76	0.63974	none
MAD2L1	-0.202	-0.2304	-1.275	0.23202	0.396	-5.76	0.82457	none
SQSTM1	-0.125	-0.1291	-1.275	0.23218	0.396	-5.76	1.5937	none
TOM1L2	0.17	0.2328	1.2749	0.23218	0.396	-5.76	-0.045	none
YME1L1	-0.207	-0.1388	-1.275	0.23228	0.396	-5.76	0.55919	none
KRTAP3-1	-0.134	-0.1279	-1.274	0.23232	0.396	-5.76	1.11089	none
NCKAP1	0.225	0.1595	1.2744	0.23233	0.396	-5.76	-0.5519	none
PRRC2C	0.428	0.591	1.2743	0.23236	0.396	-5.76	0.03982	none
H2AFB3	-0.1	-0.0666	-1.274	0.2325	0.397	-5.76	1.24898	none
MAF1	0.102	0.0952	1.2736	0.23263	0.397	-5.76	0.97225	none
C9ORF24	0.18	0.162	1.2733	0.23271	0.397	-5.76	0.7926	none
TC2N	0.169	0.0527	1.2733	0.23273	0.397	-5.76	1.22308	none
RPL21	-0.148	-0.1595	-1.273	0.23277	0.397	-5.76	0.83259	none
BAZ1B	0.474	0.6436	1.2728	0.23287	0.397	-5.76	-0.0797	none
MRAP	-0.175	-0.1048	-1.273	0.23289	0.397	-5.76	0.91002	none
ZNF277	0.167	0.0587	1.2728	0.23289	0.397	-5.76	0.39506	none
TRIM25	0.186	0.2479	1.2725	0.23297	0.397	-5.76	-0.2725	none
MTHFSD	0.191	0.166	1.2723	0.23307	0.397	-5.76	-0.1637	none
VSIG2	0.148	0.0659	1.2722	0.23308	0.397	-5.76	-0.4505	none

KRT74	0.111	0.1148	1.2718	0.23322	0.397	-5.77	-0.3854	none
LRRC41	0.158	0.12	1.2712	0.23342	0.398	-5.77	-0.6777	none
TP53BP1	0.574	0.6738	1.2707	0.23361	0.398	-5.77	-0.1815	none
MTCH1	-0.17	-0.1221	-1.271	0.23366	0.398	-5.77	1.18887	none
SIGLEC12	0.161	0.2108	1.2704	0.23368	0.398	-5.77	-0.4921	none
RAB3A	0.324	0.1838	1.27	0.23385	0.398	-5.77	-0.28	none
SEC23IP	0.236	0.2113	1.2698	0.2339	0.398	-5.77	0.65899	none
MRT04	0.198	0.2146	1.2698	0.2339	0.398	-5.77	-0.0492	none
GGT7	-0.231	-0.173	-1.27	0.23393	0.398	-5.77	1.38746	none
C19ORF81	0.185	0.0709	1.2693	0.23409	0.398	-5.77	-0.5077	none
INO80E	-0.19	-0.1195	-1.269	0.23411	0.398	-5.77	1.86998	none
GGT2	-0.102	-0.0653	-1.269	0.2342	0.399	-5.77	1.57462	none
CCT8L2	-0.082	-0.0533	-1.269	0.23428	0.399	-5.77	1.01512	none
FCN3	0.137	0.1372	1.2684	0.23439	0.399	-5.77	0.8562	none
ACHE	-0.144	-0.0819	-1.268	0.23456	0.399	-5.77	1.29094	none
VAX1	0.083	0.0868	1.2678	0.2346	0.399	-5.77	-0.5032	none
CD96	0.186	0.026	1.2676	0.23467	0.399	-5.77	-0.6883	none
LRP5	-0.395	-0.1284	-1.267	0.23481	0.399	-5.77	0.62209	none
PIK3AP1	-0.212	-0.1255	-1.267	0.23481	0.399	-5.77	1.12504	none
OSGEP	0.147	0.0287	1.2668	0.23493	0.399	-5.77	-0.6634	none
HAPLN2	0.1	0.1005	1.2667	0.23497	0.399	-5.77	1.23506	none
RGS13	0.087	0.0692	1.2666	0.23498	0.399	-5.77	-0.2094	none
NCBP1	0.179	0.1236	1.2666	0.235	0.399	-5.77	-0.436	none
SCAMP1	0.159	0.0333	1.2665	0.23502	0.399	-5.77	-0.232	none
ZNF302	0.134	0.0286	1.2661	0.23516	0.4	-5.77	0.95662	none
ANO6	0.242	0.2136	1.2661	0.23516	0.4	-5.77	-0.9002	none
SNX25	0.235	0.2744	1.2658	0.23527	0.4	-5.77	0.02697	none
IRF7	-0.537	-0.3862	-1.266	0.23533	0.4	-5.77	2.01348	none
MCHR2	-0.091	-0.069	-1.266	0.23535	0.4	-5.77	1.31599	none
SMOC2	0.134	0.1225	1.2654	0.23542	0.4	-5.77	0.47927	none
KLHL42	0.17	0.1998	1.2652	0.23548	0.4	-5.77	0.57049	none
DNAJB12	0.201	0.2577	1.265	0.23554	0.4	-5.77	-0.2872	none
TMEM214	-0.169	0.021	-1.265	0.23554	0.4	-5.77	0.43598	none
PTPRM	0.251	0.2425	1.265	0.23556	0.4	-5.77	0.48634	none
TMEM115	0.131	0.1016	1.2649	0.23558	0.4	-5.77	1.09847	none
WBP11	0.237	0.2546	1.2647	0.23566	0.4	-5.77	-0.3907	none
LTA	-0.236	-0.2283	-1.265	0.2357	0.4	-5.77	1.46341	none
SYN2	-0.137	-0.1102	-1.264	0.2358	0.4	-5.77	1.61144	none
SCO2	-0.245	-0.2284	-1.264	0.23585	0.4	-5.77	1.72266	none
TRIB1	0.133	0.1346	1.2641	0.23586	0.4	-5.77	0.43914	none

CLDN25	0.097	0.0966	1.264	0.23589	0.4	-5.77	1.06121	none
INAFM1	0.166	0.1649	1.2639	0.23593	0.4	-5.77	1.34849	none
CCDC12	0.124	0.1096	1.2633	0.23614	0.401	-5.78	-0.51	none
MRPL39	-0.142	-0.2038	-1.263	0.23625	0.401	-5.78	1.79476	none
CRAT	0.333	0.277	1.2627	0.23633	0.401	-5.78	0.09166	none
DESI2	-0.239	-0.2345	-1.262	0.23643	0.401	-5.78	1.21677	none
GABARAPI	-0.206	-0.2818	-1.262	0.23655	0.401	-5.78	1.0019	none
COPG1	0.274	0.3513	1.2619	0.23662	0.401	-5.78	-0.0195	none
PDIA2	0.098	0.0982	1.2613	0.23682	0.402	-5.78	0.6961	none
RIT1	-0.161	-0.2015	-1.261	0.23687	0.402	-5.78	1.84404	none
IFNK	0.105	0.1055	1.2611	0.23688	0.402	-5.78	0.5892	none
ANO2	-0.159	-0.1585	-1.261	0.2369	0.402	-5.78	1.78783	none
MARK2	0.514	0.5903	1.2608	0.23699	0.402	-5.78	0.49004	none
CMA1	0.141	0.1609	1.2608	0.237	0.402	-5.78	1.86153	none
ZDHHC8	0.173	0.2289	1.2607	0.23703	0.402	-5.78	-0.4859	none
PITPNM3	-0.092	-0.0581	-1.261	0.23709	0.402	-5.78	1.65401	none
DDC	-0.153	-0.1551	-1.26	0.23712	0.402	-5.78	0.81648	none
ERICH1	0.21	0.2709	1.2603	0.23715	0.402	-5.78	-0.5339	none
CORO1B	-0.183	-0.1598	-1.259	0.23768	0.403	-5.78	1.08185	none
EID2	0.133	0.0695	1.2587	0.23772	0.403	-5.78	-0.7414	none
NFIA	-0.183	-0.1679	-1.259	0.23773	0.403	-5.78	1.16719	none
DENND5A	0.171	0.1846	1.2584	0.23782	0.403	-5.78	0.58197	none
RRAGB	0.284	0.1979	1.2582	0.23789	0.403	-5.78	-0.1557	none
HES3	-0.095	-0.0653	-1.258	0.23803	0.403	-5.78	2.16608	AA-related
GLI1	-0.208	-0.1715	-1.258	0.23804	0.403	-5.78	1.65401	none
ACLY	0.245	0.3142	1.2577	0.23806	0.403	-5.78	0.17235	none
GNG10	-0.219	-0.2757	-1.258	0.23808	0.403	-5.78	0.58754	none
SSTR4	-0.094	-0.0939	-1.258	0.23812	0.403	-5.78	0.79024	none
GPR15	-0.19	-0.2735	-1.258	0.23813	0.403	-5.78	0.25162	none
PER3	-0.189	-0.1086	-1.257	0.23814	0.403	-5.78	0.71464	none
IFNW1	0.161	0.1022	1.2574	0.23818	0.403	-5.78	-1.0198	none
ACOT7	-0.138	-0.0818	-1.257	0.23825	0.403	-5.78	1.91109	none
ZNF219	0.33	0.2742	1.2569	0.23833	0.403	-5.78	0.63673	none
TCTE1	0.109	0.09	1.2566	0.23843	0.403	-5.78	-0.2133	none
DUSP26	0.122	0.1234	1.2564	0.23851	0.403	-5.78	-0.3012	none
S100A3	0.137	0.1315	1.2563	0.23856	0.403	-5.78	0.83308	none
DPCD	0.193	0.157	1.2561	0.23863	0.403	-5.78	-0.8262	none
PRDX5	-0.178	-0.1914	-1.256	0.23864	0.403	-5.78	-0.1253	none
CHMP1A	-0.14	-0.1201	-1.256	0.23872	0.404	-5.78	1.59614	none
METAP1	-0.207	-0.1999	-1.255	0.23883	0.404	-5.78	1.87847	none

C11ORF91	-0.205	-0.2155	-1.255	0.23885	0.404	-5.78	0.70019	none
ANGPTL8	-0.108	-0.1186	-1.255	0.23886	0.404	-5.78	1.72802	none
SLC1A7	0.091	0.0927	1.2554	0.23887	0.404	-5.78	0.40323	none
ZBTB1	0.169	0.162	1.2554	0.23888	0.404	-5.78	0.65562	none
SLC25A6	-0.155	-0.1652	-1.255	0.23889	0.404	-5.78	1.58917	none
TRAPPC2L	-0.18	-0.2307	-1.255	0.23893	0.404	-5.78	0.54233	none
UNC5A	-0.086	-0.0572	-1.255	0.23895	0.404	-5.78	0.5047	none
PROM1	-0.118	-0.0935	-1.255	0.23902	0.404	-5.78	1.31906	none
TRIM29	0.168	0.1495	1.2548	0.23908	0.404	-5.79	-0.8094	none
COX7A1	-0.184	-0.2019	-1.254	0.23929	0.404	-5.79	0.81395	none
GIMAP1	0.21	0.1412	1.2539	0.23937	0.404	-5.79	-0.1481	none
HIBADH	-0.146	-0.1104	-1.254	0.23946	0.404	-5.79	1.66934	none
PNMT	0.098	0.106	1.2536	0.23948	0.404	-5.79	-0.0135	none
TMEM205	-0.229	-0.2688	-1.253	0.23956	0.404	-5.79	0.74208	none
RHBDD2	-0.152	-0.154	-1.253	0.23962	0.404	-5.79	1.352	none
GFRA2	0.114	0.1233	1.2526	0.23983	0.405	-5.79	-0.8507	none
CHST3	0.172	0.2692	1.2526	0.23984	0.405	-5.79	0.25872	none
PRSS22	0.142	0.1557	1.2525	0.23987	0.405	-5.79	1.33988	none
UMPS	-0.126	-0.1193	-1.252	0.23993	0.405	-5.79	0.40411	none
UBE2Q2L	-0.318	-0.2774	-1.252	0.23998	0.405	-5.79	0.00709	none
AFDN	0.342	0.4371	1.2521	0.24001	0.405	-5.79	-0.1523	none
GPR132	0.323	0.4249	1.2514	0.24025	0.405	-5.79	0.23099	none
TELO2	0.144	0.2074	1.2512	0.24033	0.405	-5.79	0.60842	none
FOXA3	-0.138	-0.1449	-1.251	0.24039	0.405	-5.79	0.07943	none
ZNFX1	0.366	0.4376	1.2494	0.24097	0.406	-5.79	-0.0132	none
SNCA	-0.181	-0.1114	-1.249	0.24097	0.406	-5.79	0.53066	none
PCDH7	0.16	0.1559	1.2492	0.24103	0.406	-5.79	-0.61	none
AGAP1	0.205	0.2207	1.2491	0.24107	0.406	-5.79	0.49139	none
MRPL40	0.136	0.0524	1.2487	0.24122	0.407	-5.79	-0.7913	none
WRNIP1	-0.143	-0.0589	-1.249	0.24124	0.407	-5.79	1.26394	none
BEX5	-1.1	-1.0204	-1.248	0.2413	0.407	-5.79	2.15724	AA-related
ZIC1	0.152	0.1694	1.2483	0.24135	0.407	-5.79	0.33514	none
JAM3	-0.105	-0.0182	-1.248	0.24136	0.407	-5.79	1.18421	none
MLX	0.147	0.0492	1.2483	0.24136	0.407	-5.79	-0.5419	none
NDUFA6	-0.262	-0.254	-1.248	0.24143	0.407	-5.79	0.52389	none
DSP	-0.094	-0.0724	-1.248	0.24146	0.407	-5.79	0.04228	none
POFUT1	0.108	0.0807	1.2479	0.24148	0.407	-5.79	-0.4893	none
NLRP6	0.117	0.1128	1.2479	0.24148	0.407	-5.79	-0.66	none
CYHR1	0.106	0.1361	1.2477	0.24154	0.407	-5.79	0.39083	none
ADH1A	0.151	0.151	1.2474	0.24166	0.407	-5.79	1.40909	none

TBP	0.132	0.0755	1.2468	0.24187	0.407	-5.79	-0.4535	none
AMMECR1	0.103	0.1173	1.2467	0.2419	0.407	-5.79	0.36028	none
EIF4H	-0.099	-0.0709	-1.247	0.24193	0.407	-5.79	1.05207	none
SLC6A16	0.525	0.4533	1.2463	0.24203	0.407	-5.79	0.67315	none
OGG1	0.126	0.0863	1.2463	0.24205	0.407	-5.79	1.0092	none
TTLL4	0.228	0.2299	1.2463	0.24205	0.407	-5.79	-0.7289	none
RAB36	0.115	0.1201	1.2459	0.24219	0.407	-5.8	-0.1364	none
COPS8	-0.135	-0.1569	-1.246	0.24221	0.407	-5.8	1.78698	none
SLIRP	-0.212	-0.2889	-1.245	0.24243	0.408	-5.8	0.82437	none
ATMIN	0.148	0.1966	1.2451	0.24248	0.408	-5.8	-0.3391	none
ARMS2	0.111	0.1107	1.245	0.24251	0.408	-5.8	1.82213	none
STAR3NL	0.185	0.0607	1.2447	0.24261	0.408	-5.8	0.16512	none
ATP6V1B1	0.198	0.1984	1.2446	0.24264	0.408	-5.8	1.02907	none
FOXO4L4	-0.078	-0.0508	-1.244	0.24283	0.408	-5.8	-0.0151	none
CARNMT1	0.215	0.1973	1.2439	0.24289	0.408	-5.8	0.44356	none
CCDC97	0.161	0.1485	1.2431	0.24316	0.409	-5.8	-0.9961	none
MOGAT2	0.121	0.0812	1.2426	0.24335	0.409	-5.8	-1.3106	none
LIG1	0.306	0.4272	1.2426	0.24336	0.409	-5.8	0.32818	none
PHLDB2	0.174	0.087	1.2426	0.24336	0.409	-5.8	0.13694	none
ZBTB26	0.253	0.1824	1.2425	0.24337	0.409	-5.8	0.00596	none
STRAP	-0.141	-0.1785	-1.242	0.24344	0.409	-5.8	0.43689	none
PPIF	-0.123	-0.0815	-1.242	0.24345	0.409	-5.8	1.28995	none
B3GNT3	0.108	0.097	1.2423	0.24347	0.409	-5.8	-0.1679	none
CHRNA10	0.14	0.1291	1.2421	0.24351	0.409	-5.8	-0.1142	none
FNDC9	0.23	0.2299	1.242	0.24356	0.409	-5.8	-0.8402	none
RSRC2	0.401	0.4463	1.2418	0.24364	0.409	-5.8	-0.2015	none
SLC39A1	-0.129	-0.0806	-1.242	0.24369	0.409	-5.8	1.52075	none
ZP2	0.143	0.0839	1.2415	0.24373	0.409	-5.8	-0.6305	none
HNRNPR	0.153	0.1629	1.2412	0.24384	0.409	-5.8	0.32767	none
CCDC86	0.275	0.3538	1.241	0.24391	0.409	-5.8	0.24979	none
FGD6	0.281	0.1929	1.241	0.24392	0.409	-5.8	-0.0108	none
TYSND1	0.116	0.1008	1.2408	0.24399	0.409	-5.8	0.94138	none
CEP170B	0.225	0.2867	1.2407	0.24401	0.409	-5.8	-0.9598	none
EVI2A	-0.156	-0.2317	-1.241	0.24405	0.409	-5.8	0.95806	none
CASP14	0.331	0.2342	1.2404	0.24411	0.41	-5.8	-0.8144	none
DLGAP3	-0.092	-0.0431	-1.24	0.2443	0.41	-5.8	-0.3886	none
PSMC6	0.101	0.0021	1.2398	0.24434	0.41	-5.8	0.70086	none
ACRV1	-0.193	-0.1115	-1.24	0.24439	0.41	-5.8	0.48149	none
CBR3	-0.169	-0.1868	-1.239	0.24451	0.41	-5.8	1.24585	none
SNX13	0.226	0.2411	1.2392	0.24455	0.41	-5.8	-0.0921	none

RHOBTB2	0.168	0.2521	1.2391	0.24458	0.41	-5.8	0.45464	none
MRPL55	0.181	0.1353	1.2391	0.24459	0.41	-5.8	-0.0123	none
ATR	0.271	0.2787	1.2389	0.24466	0.41	-5.8	0.61315	none
CYP3A7-C1	0.098	0.0858	1.2379	0.245	0.411	-5.8	-0.6407	none
ZNF775	0.132	0.1225	1.2377	0.24507	0.411	-5.8	-0.5181	none
BAD	-0.227	-0.2241	-1.237	0.24529	0.411	-5.81	1.64628	none
EWSR1	0.226	0.3007	1.2369	0.24536	0.411	-5.81	-0.4506	none
USP36	0.267	0.365	1.2362	0.2456	0.411	-5.81	-0.3877	none
MAFG	0.215	0.1792	1.2362	0.24562	0.411	-5.81	-0.548	none
TBRG1	0.145	0.13	1.2359	0.24572	0.412	-5.81	0.0318	none
RPS27	-0.26	-0.3529	-1.236	0.24574	0.412	-5.81	1.2086	none
UTP14A	0.437	0.5372	1.2355	0.24586	0.412	-5.81	0.18796	none
SCAPER	0.318	0.4063	1.2351	0.24599	0.412	-5.81	0.12166	none
TAC3	0.119	0.1368	1.2349	0.24606	0.412	-5.81	0.91188	none
ZBTB10	0.126	0.1208	1.2347	0.24616	0.412	-5.81	-0.9829	none
OVCH1	-0.132	-0.1319	-1.234	0.24631	0.412	-5.81	1.37371	none
CWC22	0.375	0.4414	1.234	0.24639	0.412	-5.81	0.31714	none
DMRT3	0.123	0.1296	1.2332	0.24668	0.413	-5.81	1.42669	none
ACAT1	0.141	0.1148	1.233	0.24675	0.413	-5.81	-0.1341	none
TBC1D3	0.21	0.2226	1.2329	0.24677	0.413	-5.81	0.09037	none
ANKH	0.152	0.1546	1.2329	0.24679	0.413	-5.81	0.73768	none
RBPMS	-0.133	-0.0923	-1.233	0.24689	0.413	-5.81	-0.6725	none
TMEM132	0.089	0.0892	1.2325	0.24694	0.413	-5.81	-0.9319	none
LGALS9C	0.155	0.1653	1.232	0.24711	0.413	-5.81	0.60229	none
MLLT3	0.323	0.3117	1.2312	0.24738	0.414	-5.81	0.21284	none
SLAMF7	0.154	0.1422	1.231	0.24746	0.414	-5.81	0.84628	none
CD3E	-0.095	-0.0689	-1.23	0.24765	0.414	-5.81	0.61668	none
CCT3	-0.111	-0.0557	-1.23	0.24767	0.414	-5.81	1.47565	none
HPCA	-0.238	-0.1788	-1.23	0.24773	0.414	-5.81	0.75152	none
EML4	0.287	0.3361	1.2298	0.2479	0.414	-5.81	0.97623	none
RILP	-0.219	-0.1239	-1.23	0.24794	0.414	-5.81	1.76248	none
GTF2B	-0.18	-0.2354	-1.229	0.24802	0.415	-5.81	1.69086	none
7-Mar	0.124	0.0527	1.229	0.24819	0.415	-5.81	-0.0067	none
RSPO2	-0.103	-0.0644	-1.229	0.24828	0.415	-5.82	0.4238	none
SERTAD3	-0.106	-0.1635	-1.229	0.24828	0.415	-5.82	0.53549	none
KNCN	0.112	0.1159	1.2287	0.2483	0.415	-5.82	0.57257	none
KRT4	0.193	0.1935	1.2285	0.24835	0.415	-5.82	1.21354	none
HENMT1	0.121	0.0135	1.2285	0.24837	0.415	-5.82	0.60693	none
POTEH	0.189	0.1049	1.2284	0.2484	0.415	-5.82	-0.6518	none
XRCC4	-0.257	-0.2467	-1.228	0.24844	0.415	-5.82	0.72226	none



ATG3	-0.099	-0.0947	-1.228	0.24845	0.415	-5.82	1.89567	none
TGFA	-0.145	-0.1264	-1.228	0.24851	0.415	-5.82	0.1144	none
SYPL1	-0.186	-0.2629	-1.228	0.24856	0.415	-5.82	1.43767	none
SH3PXD2A	0.218	0.2671	1.2278	0.24861	0.415	-5.82	-0.122	none
BAG6	0.332	0.4036	1.2274	0.24875	0.415	-5.82	0.10107	none
C5ORF51	0.16	0.0123	1.2272	0.24881	0.415	-5.82	-0.1715	none
PEX10	0.178	0.0789	1.2269	0.24895	0.415	-5.82	-0.1748	none
SLC25A18	0.103	0.1056	1.2269	0.24895	0.415	-5.82	-0.6156	none
DHRS2	-0.162	-0.0502	-1.227	0.24901	0.415	-5.82	0.78893	none
CALR	-0.145	-0.087	-1.226	0.24909	0.416	-5.82	1.08997	none
TESPA1	0.29	0.3266	1.2264	0.24913	0.416	-5.82	-0.2375	none
STX4	0.201	0.2226	1.2263	0.24914	0.416	-5.82	-1.1619	none
RPRD2	0.333	0.3914	1.2262	0.24918	0.416	-5.82	0.53668	none
TMEM190	-0.125	-0.1437	-1.226	0.24919	0.416	-5.82	-0.0744	none
C11ORF86	-0.118	-0.0745	-1.226	0.24922	0.416	-5.82	0.41824	none
ANKFN1	-0.178	-0.0703	-1.226	0.24924	0.416	-5.82	0.60525	none
TOP1MT	0.188	0.2856	1.2258	0.24934	0.416	-5.82	-0.389	none
ADCY3	-0.165	0.0283	-1.226	0.24935	0.416	-5.82	0.27263	none
C18ORF25	0.135	0.0617	1.2256	0.2494	0.416	-5.82	0.3041	none
DRAP1	0.211	0.1898	1.2255	0.24945	0.416	-5.82	0.49734	none
BTG3	-0.107	-0.1102	-1.225	0.24946	0.416	-5.82	0.99812	none
B4GALNT1	0.101	0.031	1.2252	0.24956	0.416	-5.82	0.96956	none
TMC4	0.095	0.0946	1.225	0.24962	0.416	-5.82	-0.5691	none
NEPRO	-0.11	-0.0938	-1.224	0.24983	0.416	-5.82	1.08583	none
DNAH10	0.101	0.0958	1.2241	0.24994	0.416	-5.82	0.08783	none
PGPEP1	0.133	#####	1.224	0.24997	0.416	-5.82	-0.4894	none
KIF3B	0.33	0.4113	1.2238	0.25005	0.416	-5.82	-0.4557	none
BLVRB	-0.188	-0.18	-1.224	0.25008	0.416	-5.82	1.48334	none
ZNRF2	0.197	0.1537	1.2237	0.25009	0.416	-5.82	0.93778	none
S100A9	-0.133	-0.1102	-1.224	0.25013	0.417	-5.82	-0.3165	none
DCAF1	0.156	0.1796	1.2233	0.25023	0.417	-5.82	-0.3322	none
ZFP36L2	0.14	0.1304	1.2231	0.25031	0.417	-5.82	-0.3473	none
UBE2D3	-0.164	-0.2034	-1.223	0.25034	0.417	-5.82	1.36651	none
PANK2	0.208	0.1611	1.2228	0.2504	0.417	-5.82	1.13316	none
RPL10L	0.257	0.1312	1.2227	0.25044	0.417	-5.82	-0.6996	none
POC1B	0.131	0.103	1.2224	0.25055	0.417	-5.82	1.368	none
NPR2	0.328	0.2764	1.2222	0.25061	0.417	-5.82	-0.459	none
GRAP	0.227	0.1905	1.2221	0.25065	0.417	-5.82	0.54412	none
MSANTD4	0.201	0.1369	1.2221	0.25066	0.417	-5.82	-0.0259	none
MMP7	0.151	0.0862	1.2221	0.25066	0.417	-5.82	0.65484	none

HIST1H3H	0.211	0.1008	1.2212	0.25098	0.417	-5.82	-0.5777	none
MPHOSPH	0.425	0.482	1.2212	0.25099	0.417	-5.82	0.15908	none
PLEKHG6	0.237	0.1953	1.2212	0.25099	0.417	-5.82	-0.3167	none
DEFB103A	0.095	0.0788	1.2209	0.25108	0.417	-5.82	0.85479	none
DEFB103B	0.095	0.0788	1.2209	0.25108	0.417	-5.82	0.85479	none
RAB3GAP1	0.212	0.1895	1.2209	0.2511	0.417	-5.82	-0.2032	none
PRDM8	0.126	0.1615	1.2207	0.25115	0.418	-5.82	1.24004	none
SAP30BP	0.148	0.1621	1.2206	0.25122	0.418	-5.82	-0.0018	none
PIM2	-0.138	-0.1458	-1.22	0.25127	0.418	-5.82	1.98585	none
POLR3E	0.199	0.2153	1.2203	0.25132	0.418	-5.82	-0.3308	none
GTF2F1	0.412	0.5169	1.2202	0.25136	0.418	-5.82	-0.0938	none
TRPM5	0.096	0.0764	1.2201	0.25138	0.418	-5.82	-0.9812	none
DCTN3	-0.174	-0.2142	-1.22	0.25143	0.418	-5.83	0.14409	none
RPIA	-0.117	-0.0844	-1.22	0.25149	0.418	-5.83	1.75981	none
TMEM63C	0.159	0.1818	1.2198	0.2515	0.418	-5.83	0.60832	none
DOCK2	0.351	0.5073	1.2193	0.25167	0.418	-5.83	-0.1783	none
POLA2	0.152	0.1508	1.2192	0.25173	0.418	-5.83	-0.4461	none
MTFR2	-0.192	-0.2421	-1.219	0.25181	0.418	-5.83	0.98942	none
DNAJC9	-0.161	-0.1394	-1.219	0.25181	0.418	-5.83	1.57424	none
MKI67	0.423	0.614	1.2187	0.25191	0.418	-5.83	-0.0576	none
GAPDHS	0.244	0.286	1.2185	0.25196	0.418	-5.83	1.68195	none
TTC32	0.258	0.2109	1.2185	0.25199	0.418	-5.83	0.24701	none
COMMD8	-0.138	-0.1957	-1.218	0.25199	0.418	-5.83	1.18219	none
DHRS4	0.154	0.1061	1.2184	0.252	0.418	-5.83	0.58021	none
UCHL3	-0.15	-0.1897	-1.218	0.25202	0.418	-5.83	0.64508	none
RNF14	0.154	0.0485	1.2183	0.25205	0.418	-5.83	-0.4799	none
UNK	0.173	0.1221	1.2181	0.2521	0.418	-5.83	-0.5781	none
CPO	-0.091	-0.0667	-1.218	0.25212	0.418	-5.83	2.08514	none
EMB	0.203	0.1319	1.2181	0.25213	0.418	-5.83	1.32578	none
H1FX	0.085	0.0928	1.218	0.25216	0.418	-5.83	0.13876	none
ZNF25	0.279	0.274	1.2171	0.25248	0.419	-5.83	-0.1785	none
CAV1	-0.1	-0.0821	-1.217	0.25249	0.419	-5.83	0.96891	none
SLC5A6	0.171	0.1152	1.2169	0.25255	0.419	-5.83	0.99168	none
CIRBP	0.157	0.1314	1.2162	0.25279	0.419	-5.83	0.95224	none
C8ORF59	-0.196	-0.2911	-1.216	0.25293	0.419	-5.83	0.6828	none
COQ4	0.171	0.095	1.2158	0.25295	0.419	-5.83	-0.334	none
RAB5A	0.119	0.0863	1.2157	0.25299	0.419	-5.83	0.58244	none
GLT8D2	0.243	0.1788	1.2156	0.25301	0.419	-5.83	1.05848	none
FGF12	-0.27	-0.1988	-1.215	0.25338	0.42	-5.83	1.62093	none
PCDH1	-0.12	-0.0874	-1.214	0.25347	0.42	-5.83	0.86643	none

CCDC121	-0.125	-0.0871	-1.214	0.2535	0.42	-5.83	1.33964	none
GIMAP1-G	-0.352	-0.2209	-1.214	0.25358	0.42	-5.83	1.52512	none
AGPAT1	0.217	0.0246	1.2139	0.25364	0.42	-5.83	-0.061	none
PRSS3	0.146	0.1352	1.2138	0.25368	0.42	-5.83	-0.5756	none
PIGY	0.379	0.5059	1.2137	0.25373	0.42	-5.83	-0.1427	none
KCNQ4	-0.081	-0.039	-1.213	0.25386	0.42	-5.83	0.06021	none
VNN3	-0.118	-0.087	-1.213	0.25391	0.42	-5.83	0.1691	none
OPRL1	0.094	0.0624	1.213	0.25395	0.42	-5.83	0.21225	none
C4A	0.312	0.2228	1.2129	0.25401	0.421	-5.83	0.92463	none
EIF3B	0.214	0.2897	1.2125	0.25416	0.421	-5.83	-0.3697	none
ZNF217	0.389	0.4046	1.2123	0.25424	0.421	-5.83	-0.2522	none
VSTM2B	0.079	0.08	1.2122	0.25425	0.421	-5.83	0	none
CYP27A1	-0.104	-0.0815	-1.212	0.25427	0.421	-5.83	1.57104	none
CPVL	0.262	0.2144	1.2121	0.2543	0.421	-5.83	-0.7828	none
RHOQ	0.182	0.2186	1.212	0.25434	0.421	-5.83	-0.3592	none
MROH2A	0.139	0.1399	1.2115	0.25453	0.421	-5.83	1.63779	none
GAREM2	0.115	0.1076	1.2115	0.25453	0.421	-5.83	0.0677	none
RAD51B	0.218	0.1547	1.2115	0.25453	0.421	-5.83	-0.7059	none
WNK1	0.455	0.5913	1.2114	0.25456	0.421	-5.83	-0.3333	none
TNS1	0.196	0.2032	1.2112	0.25464	0.421	-5.84	0.57872	none
ENPEP	-0.131	-0.1397	-1.211	0.25469	0.421	-5.84	0.46044	none
ARPC1B	-0.136	-0.0832	-1.211	0.25477	0.421	-5.84	0.97807	none
INPPL1	0.24	0.3497	1.2106	0.25484	0.421	-5.84	0.52861	none
PROX1	0.255	0.2596	1.2106	0.25486	0.421	-5.84	-0.7883	none
IQCH	0.144	0.0985	1.2105	0.25488	0.421	-5.84	-0.2284	none
CKAP5	0.49	0.6483	1.2105	0.2549	0.421	-5.84	-0.195	none
WDR60	-0.192	-0.1076	-1.21	0.25492	0.421	-5.84	1.25927	none
TOLLIP	0.152	0.1294	1.2101	0.25504	0.421	-5.84	0.15678	none
DIMT1	0.152	0.0258	1.21	0.25505	0.421	-5.84	0.74561	none
ASB13	-0.158	-0.1196	-1.21	0.25509	0.421	-5.84	1.79431	none
TMEM167	-0.2	-0.275	-1.21	0.2551	0.421	-5.84	0.71763	none
CRNKL1	0.173	0.0887	1.2096	0.25521	0.422	-5.84	-0.3487	none
TMEM150	0.2	0.1085	1.2096	0.25523	0.422	-5.84	-0.0436	none
MXRA8	0.22	0.1899	1.2096	0.25523	0.422	-5.84	0.19935	none
MT3	-0.218	-0.2197	-1.21	0.25525	0.422	-5.84	1.13212	none
LAMB2	0.224	0.3107	1.2094	0.25528	0.422	-5.84	0.12605	none
IL17RB	0.105	0.1178	1.209	0.25544	0.422	-5.84	1.1035	none
SF1	0.23	0.2729	1.2089	0.25548	0.422	-5.84	0.11336	none
WDR4	0.11	0.0815	1.2086	0.25557	0.422	-5.84	0.19293	none
PSMC2	-0.102	-0.1129	-1.208	0.25564	0.422	-5.84	1.97531	none

C17ORF78	0.107	0.0937	1.2084	0.25566	0.422	-5.84	-0.1957	none
NMNAT2	-0.149	-0.1327	-1.208	0.25585	0.422	-5.84	2.11599	AA-related
SLC29A3	0.192	0.1405	1.2078	0.25587	0.422	-5.84	-0.8579	none
MAP4K4	0.362	0.4309	1.2075	0.25599	0.422	-5.84	-0.5104	none
C1QTNF4	-0.085	-0.0761	-1.207	0.25601	0.422	-5.84	2.31129	AA-related
IKBKE	0.138	0.116	1.2074	0.25601	0.422	-5.84	0.52291	none
FAM177B	-0.092	-0.0606	-1.207	0.2561	0.422	-5.84	1.37395	none
LARP1B	0.132	0.1247	1.2072	0.2561	0.422	-5.84	-0.465	none
ULK3	0.132	0.156	1.2071	0.25614	0.422	-5.84	0.66262	none
SPATS1	-0.135	-0.1268	-1.207	0.25619	0.422	-5.84	1.32606	none
PANX3	0.117	0.0778	1.2068	0.25623	0.422	-5.84	-1.2762	none
FTCDNL1	-0.275	-0.2256	-1.206	0.25642	0.423	-5.84	1.92309	none
KLK9	-0.092	-0.0612	-1.206	0.25643	0.423	-5.84	0.86195	none
FOXH1	-0.111	-0.0657	-1.206	0.25643	0.423	-5.84	1.02853	none
MED26	0.213	0.2922	1.2062	0.25647	0.423	-5.84	-0.2306	none
PSMA8	-0.191	-0.1708	-1.206	0.25652	0.423	-5.84	1.4096	none
FAM217A	0.244	0.3351	1.2052	0.25682	0.423	-5.84	0.29132	none
TMCC1	0.272	0.3038	1.2052	0.25684	0.423	-5.84	-0.0888	none
RHOG	-0.146	-0.1359	-1.205	0.25692	0.423	-5.84	1.80811	none
TMEM179	-0.247	-0.2842	-1.205	0.25696	0.423	-5.84	1.84028	none
RTN4IP1	0.122	-0.0121	1.2047	0.25701	0.423	-5.84	-0.2637	none
BEND4	-0.128	-0.1358	-1.205	0.25701	0.423	-5.84	1.48484	none
FAM136A	0.09	0.0452	1.2045	0.25709	0.423	-5.84	-0.4923	none
ZNF35	-0.149	-0.0753	-1.204	0.25711	0.423	-5.84	1.9149	none
PRR22	0.181	0.166	1.2041	0.25724	0.423	-5.84	0.42332	none
CHRNE	0.176	0.1556	1.2041	0.25725	0.423	-5.84	0.0824	none
YWHAH	-0.081	-0.0394	-1.204	0.25726	0.423	-5.84	1.11962	none
HIST1H2BI	0.357	0.1008	1.204	0.25726	0.423	-5.84	-0.3727	none
PTRH2	-0.116	-0.1238	-1.204	0.25727	0.423	-5.84	0.38349	none
C11ORF45	-0.171	-0.1493	-1.204	0.25742	0.424	-5.84	1.63328	none
SPAG17	0.187	0.1956	1.2036	0.25742	0.424	-5.84	1.1623	none
IL9R	-0.236	-0.2696	-1.204	0.25746	0.424	-5.84	1.01086	none
NCR2	-0.12	-0.1283	-1.203	0.25751	0.424	-5.84	0.17126	none
UPK1B	0.222	0.2031	1.2033	0.25753	0.424	-5.84	0.01473	none
RNF181	-0.2	-0.2222	-1.203	0.25758	0.424	-5.84	0.63138	none
RSL1D1	0.504	0.6478	1.203	0.25763	0.424	-5.84	-0.077	none
C2CD4C	-0.077	-0.051	-1.203	0.25773	0.424	-5.84	1.60727	none
DCSTAMP	0.112	0.1342	1.2028	0.25774	0.424	-5.84	-0.793	none
ADAMTS1	-0.128	-0.1607	-1.203	0.25777	0.424	-5.84	1.06185	none
COCH	0.101	0.0228	1.2016	0.25817	0.424	-5.85	0.67004	none

OCSTAMP	-0.094	-0.0658	-1.202	0.25818	0.424	-5.85	1.24697	none
THBS4	0.303	0.1983	1.2014	0.25824	0.424	-5.85	-1.0264	none
KIF20A	-0.27	-0.0621	-1.201	0.25834	0.425	-5.85	1.66792	none
LYPD6B	-0.179	-0.1395	-1.201	0.25839	0.425	-5.85	0.04119	none
GNAT1	-0.135	-0.1257	-1.201	0.25842	0.425	-5.85	1.77766	none
SPNS3	-0.173	-0.1756	-1.2	0.25859	0.425	-5.85	1.51279	none
PAPPA	-0.148	-0.1334	-1.2	0.25865	0.425	-5.85	1.60951	none
TRIM35	0.184	0.2434	1.1985	0.25929	0.426	-5.85	1.19462	none
BRCC3	0.347	0.4486	1.1978	0.25959	0.426	-5.85	-0.4266	none
GUSB	0.136	0.0629	1.1973	0.25975	0.427	-5.85	0.32691	none
VAMP7	-0.148	-0.2204	-1.197	0.25984	0.427	-5.85	0.91334	none
RNF182	0.101	0.0923	1.1969	0.25992	0.427	-5.85	-0.741	none
CKAP2L	0.329	0.4017	1.1968	0.25995	0.427	-5.85	-0.2026	none
RNF103-CI	-0.244	-0.3204	-1.197	0.25998	0.427	-5.85	0.51447	none
LRRC10	0.106	0.0875	1.1966	0.26001	0.427	-5.85	0.75148	none
IRF2BPL	0.242	0.2832	1.1959	0.26027	0.427	-5.85	-0.3386	none
PPP1R3D	-0.121	-0.0901	-1.196	0.26029	0.427	-5.85	1.47094	none
MRPL50	-0.201	-0.2248	-1.196	0.2603	0.427	-5.85	0.41034	none
RABL3	-0.128	-0.1376	-1.196	0.26034	0.427	-5.85	0.34268	none
OAZ2	-0.143	-0.2083	-1.195	0.26054	0.428	-5.85	-0.0227	none
ELMO1	0.18	0.1798	1.1951	0.26059	0.428	-5.85	-0.0721	none
WFDC12	0.215	0.1287	1.1945	0.2608	0.428	-5.85	-0.9845	none
KLHL17	0.321	0.3453	1.1943	0.26089	0.428	-5.85	-0.8495	none
RACGAP1	0.105	0.0655	1.1942	0.26091	0.428	-5.85	0.38627	none
P2RY6	0.139	0.1448	1.1941	0.26093	0.428	-5.85	0.19538	none
BID	0.16	0.067	1.1938	0.26107	0.428	-5.85	-0.2692	none
SAMD8	0.184	0.0976	1.1935	0.26119	0.428	-5.86	0.01411	none
TGS1	0.277	0.3379	1.1933	0.26125	0.428	-5.86	0.52371	none
LRRC8A	0.237	0.3321	1.1933	0.26125	0.428	-5.86	-0.0529	none
ACTR8	0.158	0.1367	1.1931	0.26133	0.428	-5.86	0.59993	none
RGN	-0.101	-0.0681	-1.193	0.26136	0.428	-5.86	1.62648	none
NPY1R	0.094	0.0947	1.1929	0.26139	0.428	-5.86	0.71364	none
NMI	0.201	0.0921	1.1922	0.26165	0.429	-5.86	-0.6768	none
NDUFB2	-0.202	-0.2269	-1.192	0.26172	0.429	-5.86	0.61833	none
UFM1	-0.16	-0.1386	-1.192	0.26178	0.429	-5.86	1.60037	none
HIST1H2AI	0.355	0.2747	1.1918	0.26181	0.429	-5.86	0.80256	none
NABP1	0.184	0.1322	1.1915	0.26191	0.429	-5.86	-0.5722	none
MFSD9	0.158	0.0693	1.1915	0.26193	0.429	-5.86	0.23295	none
FAM124B	0.148	0.0967	1.1915	0.26193	0.429	-5.86	0.34537	none
GMIP	0.21	0.3039	1.1909	0.26216	0.429	-5.86	0.80588	none

RIPK1	0.269	0.2921	1.1908	0.26217	0.429	-5.86	0.10812	none
GSTZ1	-0.15	-0.1269	-1.191	0.2622	0.429	-5.86	0.91169	none
SNAI2	-0.102	-0.0974	-1.191	0.26222	0.429	-5.86	1.26543	none
SNAP91	-0.12	-0.112	-1.19	0.26234	0.429	-5.86	-0.1319	none
PHF5A	-0.151	-0.1949	-1.19	0.26236	0.429	-5.86	-0.2325	none
2-Mar	-0.097	-0.0998	-1.19	0.26237	0.429	-5.86	-0.601	none
DPEP2	0.164	0.093	1.1901	0.26243	0.429	-5.86	-0.144	none
CCER1	0.089	0.0623	1.1901	0.26244	0.429	-5.86	-0.9612	none
UBE2W	0.211	0.0036	1.1899	0.26252	0.43	-5.86	-0.3059	none
FKBP7	0.2	0.1078	1.1892	0.26279	0.43	-5.86	1.48625	none
ILDR1	0.113	0.1056	1.1891	0.26282	0.43	-5.86	0.98807	none
AC016734	0.242	0.2423	1.1891	0.26283	0.43	-5.86	-0.2407	none
IRF2	-0.097	-0.0842	-1.188	0.2631	0.43	-5.86	2.12091	AA-related
FAM71A	-0.081	-0.0653	-1.188	0.26329	0.431	-5.86	1.44676	none
GOLGA6L5	0.148	0.1208	1.1875	0.26344	0.431	-5.86	-0.3837	none
RNF113B	0.087	0.0686	1.1874	0.26345	0.431	-5.86	0	none
IRS1	-0.137	-0.0741	-1.187	0.26346	0.431	-5.86	0.19106	none
TVP23B	-0.147	-0.2383	-1.187	0.2635	0.431	-5.86	0.41961	none
WRAP73	-0.115	-0.0812	-1.187	0.2635	0.431	-5.86	1.27868	none
C2ORF42	-0.214	-0.1255	-1.187	0.26375	0.431	-5.86	0.75064	none
TMEM51	0.106	0.1015	1.1862	0.26391	0.431	-5.86	1.54144	none
LYPD8	-0.095	-0.0947	-1.186	0.26399	0.431	-5.86	0.68574	none
CHERP	0.281	0.3845	1.1853	0.26426	0.432	-5.86	-0.0684	none
DRD4	-0.213	-0.1748	-1.185	0.2644	0.432	-5.86	0.42575	none
HAGHL	0.291	0.1985	1.1848	0.26444	0.432	-5.86	-0.3621	none
PRDM6	-0.084	-0.0567	-1.185	0.26447	0.432	-5.86	1.04178	none
CRADD	-0.229	-0.2737	-1.185	0.26447	0.432	-5.86	0.9084	none
KCNMA1	0.162	0.1875	1.1846	0.26453	0.432	-5.87	0.22206	none
EPHB6	0.286	0.2358	1.1843	0.26461	0.432	-5.87	0.51033	none
FUBP1	0.249	0.2908	1.1842	0.26468	0.432	-5.87	-0.1565	none
HTR4	0.093	0.1046	1.1841	0.26469	0.432	-5.87	-0.8317	none
UBE2J2	0.147	0.1094	1.1839	0.26476	0.432	-5.87	-0.7987	none
AP5B1	0.106	0.1086	1.1837	0.26484	0.432	-5.87	-0.2546	none
IRX2	0.084	0.0886	1.1835	0.26494	0.432	-5.87	-0.4808	none
SPATA2L	0.096	0.0301	1.1833	0.26499	0.433	-5.87	0.39875	none
NRXN3	0.152	0.1164	1.1833	0.26502	0.433	-5.87	-0.4206	none
ANK2	0.229	0.2077	1.1829	0.26517	0.433	-5.87	0.21154	none
RAB39A	0.161	0.1036	1.1825	0.2653	0.433	-5.87	-0.5929	none
NAP1L4	0.153	0.1512	1.1825	0.26532	0.433	-5.87	0.3661	none
THRAP3	0.401	0.5279	1.1822	0.26541	0.433	-5.87	-0.1122	none

GOLGA7B	-0.087	-0.0638	-1.182	0.26546	0.433	-5.87	1.46065	none
MPC2	-0.195	-0.2142	-1.181	0.26571	0.433	-5.87	0.38336	none
DDX3Y	0.105	0.1281	1.1814	0.26573	0.433	-5.87	1.17436	none
SPDL1	0.345	0.4078	1.1811	0.26585	0.434	-5.87	0.78169	none
GUK1	-0.175	-0.1754	-1.181	0.26587	0.434	-5.87	1.51532	none
PLCL1	0.176	0.1866	1.1809	0.2659	0.434	-5.87	-0.1288	none
HTATIP2	-0.142	-0.2059	-1.181	0.26596	0.434	-5.87	1.21671	none
RAC1	-0.225	-0.208	-1.181	0.26603	0.434	-5.87	0.9442	none
CCNY	-0.14	-0.2059	-1.181	0.26605	0.434	-5.87	0.48163	none
SCGB2B2	0.172	0.1442	1.1795	0.26645	0.434	-5.87	-0.0963	none
POLE4	-0.149	-0.1803	-1.179	0.26648	0.434	-5.87	2.08849	none
MAP3K6	-0.295	-0.2802	-1.179	0.26652	0.434	-5.87	0.50824	none
SESN3	0.181	0.091	1.1793	0.26654	0.434	-5.87	0.8737	none
BEX2	-0.28	-0.3981	-1.179	0.26655	0.434	-5.87	0.61848	none
MAGEA9B	-0.086	-0.0596	-1.179	0.26656	0.434	-5.87	-0.5771	none
GPRASP2	0.127	0.1048	1.1788	0.26671	0.434	-5.87	-0.4525	none
ARL4C	-0.177	-0.1596	-1.179	0.26678	0.435	-5.87	1.71145	none
IL6	0.133	0.1249	1.1779	0.26704	0.435	-5.87	-0.8494	none
FURIN	0.228	0.3143	1.1778	0.26708	0.435	-5.87	-0.2226	none
DUPD1	0.09	0.068	1.1778	0.26709	0.435	-5.87	0.10136	none
WIF1	0.13	0.1387	1.1775	0.26721	0.435	-5.87	0.53554	none
GDAP1L1	-0.12	-0.0972	-1.177	0.26725	0.435	-5.87	0.20605	none
CYP1A1	-0.15	-0.1104	-1.177	0.26735	0.435	-5.87	0.4653	none
SLC25A39	-0.168	-0.1651	-1.177	0.26737	0.435	-5.87	1.55347	none
GTF2H5	-0.219	-0.2548	-1.177	0.26743	0.435	-5.87	0.97159	none
ADH7	0.181	0.194	1.1762	0.26772	0.436	-5.87	0.89896	none
PNMA3	0.164	0.106	1.1757	0.26791	0.436	-5.88	-0.4134	none
ASCC3	0.302	0.3732	1.1752	0.26806	0.436	-5.88	0.27604	none
CRIP1	-0.21	-0.3164	-1.175	0.26811	0.436	-5.88	1.31614	none
WWTR1	0.184	0.1265	1.1749	0.26819	0.436	-5.88	-0.2689	none
PLAT	0.207	0.2259	1.1748	0.26822	0.436	-5.88	-0.5785	none
EID3	0.202	0.1643	1.1748	0.26824	0.436	-5.88	0.43995	none
GRIP2	-0.078	-0.0598	-1.173	0.26896	0.437	-5.88	-0.155	none
SURF6	0.29	0.3592	1.1719	0.26933	0.438	-5.88	-0.293	none
SIGLEC14	0.093	0.058	1.1718	0.26936	0.438	-5.88	0.78112	none
SP5	-0.096	-0.0564	-1.172	0.2694	0.438	-5.88	1.11127	none
SUMO1	-0.115	-0.1667	-1.172	0.26941	0.438	-5.88	0.45164	none
NADSYN1	0.107	0.1035	1.1717	0.26943	0.438	-5.88	-0.8031	none
CCDC186	0.314	0.3152	1.1716	0.26945	0.438	-5.88	-0.1418	none
GLRX3	0.102	0.0065	1.1711	0.26964	0.438	-5.88	-0.3929	none

NAA20	-0.14	-0.1868	-1.171	0.26978	0.438	-5.88	0.89231	none
TCF24	-0.134	-0.1064	-1.17	0.26993	0.439	-5.88	0.85401	none
OXER1	0.117	0.0839	1.1702	0.26998	0.439	-5.88	0.34923	none
AIFM1	0.122	0.08	1.1702	0.26998	0.439	-5.88	-0.1821	none
TAMM41	0.094	-0.0033	1.1701	0.27003	0.439	-5.88	-0.6643	none
NME8	-0.131	-0.1395	-1.169	0.27032	0.439	-5.88	-0.2082	none
TBATA	-0.08	-0.0738	-1.169	0.27037	0.439	-5.88	1.67922	none
ROBO4	-0.078	-0.046	-1.169	0.27039	0.439	-5.88	0.64386	none
KCNN3	0.092	0.0518	1.169	0.27046	0.439	-5.88	0.46316	none
MAFK	0.158	0.2235	1.1687	0.27057	0.439	-5.88	-0.4312	none
TTI2	-0.133	-0.1472	-1.168	0.27085	0.44	-5.88	0.27743	none
KLHL23	0.131	0.1336	1.1679	0.27088	0.44	-5.88	-0.2161	none
EPB41L5	-0.218	-0.2363	-1.168	0.27102	0.44	-5.88	0.4057	none
UQCRC1	-0.126	-0.1105	-1.167	0.27118	0.44	-5.88	0.94804	none
COL9A3	0.329	0.3116	1.167	0.27122	0.44	-5.88	-0.0426	none
GOS2	0.163	0.1442	1.1669	0.27124	0.44	-5.88	-0.4439	none
FAR2	-0.244	-0.3057	-1.166	0.27145	0.44	-5.89	0.26737	none
SERP1	-0.176	-0.2012	-1.166	0.27149	0.44	-5.89	0.92044	none
CAMKK1	-0.099	-0.025	-1.166	0.27179	0.441	-5.89	1.39527	none
VASH1	0.214	0.1872	1.1654	0.27185	0.441	-5.89	0.26635	none
TEAD4	0.119	0.1748	1.1652	0.27192	0.441	-5.89	1.89686	none
KRT19	0.092	0.0884	1.1651	0.27194	0.441	-5.89	-0.0282	none
ORMDL3	0.202	0.2027	1.165	0.272	0.441	-5.89	-0.5312	none
MARK4	0.264	0.3503	1.1648	0.27208	0.441	-5.89	-0.3357	none
OR2A4	-0.093	-0.0692	-1.165	0.27208	0.441	-5.89	0.31285	none
TFAM	-0.088	-0.0974	-1.165	0.2721	0.441	-5.89	1.89986	none
SYN1	-0.101	-0.0786	-1.164	0.27224	0.441	-5.89	1.29738	none
NFATC2	0.259	0.3269	1.1642	0.2723	0.441	-5.89	-0.2426	none
ZCCHC24	0.095	0.1092	1.164	0.27236	0.441	-5.89	1.00548	none
AMPD2	0.109	0.1717	1.1634	0.2726	0.442	-5.89	1.08642	none
HMHB1	0.2	0.2078	1.1629	0.27281	0.442	-5.89	1.23597	none
MAP4K2	0.117	0.2011	1.1627	0.27288	0.442	-5.89	0.42989	none
DPM1	-0.154	-0.2388	-1.162	0.27307	0.442	-5.89	0.7847	none
MICU3	-0.173	-0.0768	-1.162	0.27312	0.442	-5.89	1.6303	none
CTSE	0.136	0.1373	1.1617	0.27327	0.443	-5.89	0.48971	none
OSR1	0.129	0.092	1.1616	0.27333	0.443	-5.89	-0.9842	none
KLHDC8A	0.096	0.0965	1.1614	0.2734	0.443	-5.89	-0.5242	none
SLC9C2	-0.206	-0.2058	-1.161	0.27341	0.443	-5.89	0.51327	none
SLC31A2	-0.217	-0.3077	-1.161	0.27344	0.443	-5.89	0.08206	none
NAGK	0.148	0.0789	1.1606	0.27371	0.443	-5.89	-0.3155	none



P2RX5	0.181	0.2248	1.1603	0.2738	0.443	-5.89	0.28198	none
GJA4	-0.094	-0.0819	-1.16	0.27386	0.443	-5.89	1.57402	none
OASL	-0.164	-0.118	-1.16	0.27391	0.443	-5.89	1.29139	none
TRUB1	-0.249	-0.1648	-1.16	0.27399	0.443	-5.89	1.57184	none
MT-ND5	0.37	0.4642	1.1596	0.27407	0.443	-5.89	-0.2419	none
KRTAP4-9	0.168	0.1619	1.1593	0.2742	0.444	-5.89	1.29901	none
CCDC144N	-0.168	-0.0761	-1.159	0.27421	0.444	-5.89	0.48543	none
TP53BP2	0.322	0.4066	1.1587	0.27442	0.444	-5.89	-0.3276	none
MYO15B	0.215	0.169	1.1582	0.27462	0.444	-5.89	0.28663	none
PLXNA3	0.23	0.2608	1.1581	0.27468	0.444	-5.89	-0.4568	none
CYP4A22	0.089	0.0809	1.158	0.27469	0.444	-5.89	-1.0473	none
OSBPL10	0.29	0.2521	1.1575	0.27489	0.445	-5.9	-0.0741	none
DGCR6	0.376	0.3036	1.1573	0.27496	0.445	-5.9	-0.4297	none
CHST10	0.202	0.2765	1.157	0.27508	0.445	-5.9	0.18629	none
SRPX	0.085	0.0603	1.157	0.27511	0.445	-5.9	0.78011	none
CNTF	0.095	0.1234	1.1569	0.27513	0.445	-5.9	-0.4192	none
DIAPH2	0.191	0.2383	1.1568	0.27516	0.445	-5.9	-0.0416	none
PTMS	0.217	0.1263	1.1564	0.27533	0.445	-5.9	-0.8719	none
CLEC18A	0.081	0.0843	1.1561	0.27543	0.445	-5.9	-0.3653	none
TRIM34	0.21	0.0273	1.1561	0.27546	0.445	-5.9	-0.7121	none
PAGE2B	-0.146	-0.1531	-1.156	0.27551	0.445	-5.9	0.93899	none
FCAMR	-0.091	-0.0825	-1.156	0.27552	0.445	-5.9	0.24837	none
TNNI2	-0.1	-0.1133	-1.156	0.27555	0.445	-5.9	-0.1499	none
FZD6	0.164	0.0764	1.1557	0.2756	0.445	-5.9	-0.4789	none
TNFAIP3	0.26	0.3699	1.1554	0.27572	0.445	-5.9	0.34152	none
GALNT18	0.136	0.1752	1.1553	0.27577	0.445	-5.9	1.43611	none
CHRN3	0.13	0.0786	1.155	0.27588	0.445	-5.9	0.98785	none
TEX13C	0.085	0.0598	1.1544	0.27611	0.446	-5.9	-1.247	none
CTRL	0.276	0.2924	1.1543	0.27614	0.446	-5.9	-0.6269	none
UBE2B	-0.183	-0.2595	-1.154	0.27627	0.446	-5.9	1.20877	none
CUZD1	0.112	0.0892	1.1538	0.27633	0.446	-5.9	-0.5526	none
GIT1	0.297	0.4232	1.1533	0.27656	0.446	-5.9	-0.4462	none
MBOAT1	-0.11	-0.1232	-1.153	0.27657	0.446	-5.9	1.07664	none
GAL3ST3	0.118	0.1059	1.153	0.27665	0.446	-5.9	-0.8618	none
TIMM21	0.144	0.0814	1.1526	0.27683	0.447	-5.9	-0.3339	none
KDEL2	-0.178	-0.2293	-1.152	0.27687	0.447	-5.9	1.57122	none
IGSF23	-0.123	-0.1319	-1.152	0.27703	0.447	-5.9	1.09881	none
HS3ST5	0.165	0.1647	1.1518	0.27713	0.447	-5.9	0.48003	none
CUEDC2	0.1	0.1074	1.1516	0.27719	0.447	-5.9	-0.9704	none
ALDH1A2	0.193	0.1711	1.1516	0.27721	0.447	-5.9	-0.9229	none

PXT1	0.114	0.0687	1.1516	0.27722	0.447	-5.9	0.07266	none
FBXO8	-0.235	-0.2937	-1.151	0.27728	0.447	-5.9	1.16667	none
FMR1	0.278	0.3328	1.1511	0.27738	0.447	-5.9	0.39611	none
TRHDE	-0.123	-0.103	-1.151	0.27741	0.447	-5.9	2.0499	none
TMTC4	0.21	0.2338	1.151	0.27744	0.447	-5.9	1.11599	none
CMC2	-0.153	-0.1973	-1.151	0.27747	0.447	-5.9	1.36067	none
GOT2	0.108	0.0705	1.1506	0.27759	0.447	-5.9	1.12822	none
UBE2K	0.092	0.0305	1.1505	0.27765	0.447	-5.9	-0.4293	none
TNP2	0.099	0.1089	1.1501	0.27778	0.448	-5.9	1.11911	none
BTBD6	-0.154	-0.1289	-1.149	0.27809	0.448	-5.9	0.45349	none
ZNF267	0.208	0.2085	1.149	0.27822	0.448	-5.9	0.57948	none
PBX2	0.137	0.1051	1.149	0.27824	0.448	-5.9	-0.3968	none
RPL34	-0.211	-0.2745	-1.149	0.27834	0.448	-5.9	0.75859	none
THAP1	0.196	0.1977	1.1484	0.27846	0.448	-5.91	0.54365	none
CSNK1A1	0.11	0.094	1.1483	0.27851	0.449	-5.91	0.61367	none
CXCL1	-0.116	-0.1295	-1.148	0.27855	0.449	-5.91	1.42844	none
CDK20	-0.201	-0.1277	-1.148	0.27856	0.449	-5.91	1.76809	none
KHDC1	0.254	0.0651	1.148	0.27862	0.449	-5.91	-0.2249	none
CCL25	0.104	0.1706	1.1478	0.27868	0.449	-5.91	0.9886	none
NAXE	-0.188	-0.2069	-1.148	0.27869	0.449	-5.91	0.50202	none
MUC6	0.093	0.0832	1.1476	0.27877	0.449	-5.91	-0.3951	none
ENTPD7	0.176	0.1716	1.1475	0.2788	0.449	-5.91	-0.209	none
PRPF4B	0.443	0.5452	1.1475	0.27881	0.449	-5.91	-0.1559	none
RHBDL1	0.109	0.0935	1.1471	0.27896	0.449	-5.91	1.66228	none
AQP10	0.123	0.1302	1.1468	0.27908	0.449	-5.91	-0.273	none
EFNA5	-0.105	-0.0814	-1.147	0.27915	0.449	-5.91	0.45808	none
SPAG11B	0.119	0.1188	1.1465	0.27919	0.449	-5.91	0.77714	none
GEM	-0.286	-0.1676	-1.146	0.27922	0.449	-5.91	1.27786	none
ANAPC4	0.113	0.0603	1.1464	0.27923	0.449	-5.91	-0.5272	none
NR1D1	0.16	0.2082	1.1453	0.27967	0.45	-5.91	-0.2609	none
BDH1	0.232	0.2026	1.1448	0.27988	0.45	-5.91	0.21983	none
GHSR	0.151	0.0741	1.1445	0.27998	0.45	-5.91	-0.5485	none
NPBWR2	0.084	0.0591	1.1445	0.27999	0.45	-5.91	0	none
DHX9	0.198	0.2726	1.1442	0.28012	0.45	-5.91	0.33181	none
CCDC38	0.174	0.0562	1.1441	0.28015	0.45	-5.91	-1.1181	none
ACTL6B	-0.241	-0.2407	-1.144	0.28025	0.45	-5.91	1.31926	none
MMGT1	-0.189	-0.2297	-1.144	0.28029	0.45	-5.91	1.47106	none
SGK1	0.142	0.0665	1.1435	0.28041	0.451	-5.91	0.29934	none
REEP6	0.249	0.2092	1.1432	0.28051	0.451	-5.91	-0.2921	none
MKLN1	0.133	0.1611	1.143	0.2806	0.451	-5.91	0.74161	none

CRIP3	-0.211	-0.1448	-1.143	0.28069	0.451	-5.91	0.39343	none
PERP	-0.149	-0.1912	-1.143	0.28078	0.451	-5.91	1.57301	none
HGD	-0.217	-0.1909	-1.142	0.28081	0.451	-5.91	1.63813	none
AC011043	0.162	0.0782	1.1424	0.28084	0.451	-5.91	-0.0989	none
ZBTB7B	0.167	0.2417	1.1423	0.28088	0.451	-5.91	0.74801	none
ZNHIT3	0.135	-0.0441	1.1417	0.2811	0.451	-5.91	-0.0694	none
HAUS4	-0.144	-0.1371	-1.141	0.28124	0.452	-5.91	1.96136	none
SRSF2	-0.156	-0.1702	-1.141	0.28147	0.452	-5.91	1.86099	none
PPP3CA	0.177	0.1428	1.1407	0.28151	0.452	-5.91	-0.3725	none
IFNL3	0.093	0.1251	1.1405	0.28157	0.452	-5.91	-0.1543	none
MYOCD	-0.082	-0.0571	-1.14	0.2816	0.452	-5.91	-0.3269	none
CDK5RAP1	0.095	0.0258	1.1403	0.28165	0.452	-5.91	-0.5649	none
SLC25A46	0.151	0.0707	1.1403	0.28166	0.452	-5.91	0.5433	none
TAS2R50	-0.077	-0.0699	-1.14	0.28172	0.452	-5.91	0	none
PRSS37	0.086	0.0842	1.1399	0.2818	0.452	-5.91	1.40684	none
SLC1A1	0.176	0.2017	1.1399	0.28183	0.452	-5.91	1.17776	none
SPINT1	0.168	0.2022	1.1398	0.28187	0.452	-5.91	0.5544	none
CKAP4	0.209	0.2354	1.1398	0.28187	0.452	-5.91	-0.5873	none
CCND3	-0.118	-0.1249	-1.14	0.28187	0.452	-5.91	2.06309	none
HTRA2	-0.127	-0.1073	-1.139	0.28201	0.452	-5.91	1.83902	none
ABCD2	-0.105	-0.0757	-1.139	0.28206	0.452	-5.91	1.45999	none
EZR	0.244	0.3124	1.1389	0.28221	0.452	-5.92	0.04057	none
USP15	0.235	0.2458	1.1385	0.28239	0.453	-5.92	-0.5681	none
SHTN1	0.231	0.1936	1.1384	0.28243	0.453	-5.92	0.2456	none
CCDC15	0.179	0.1907	1.1382	0.28248	0.453	-5.92	-0.7771	none
GTPBP4	0.186	0.206	1.138	0.28256	0.453	-5.92	0.23128	none
GPB1	-0.155	-0.0914	-1.138	0.28258	0.453	-5.92	1.79988	none
TMED10	-0.143	-0.1767	-1.138	0.28266	0.453	-5.92	-0.2093	none
HIST1H2AI	-0.248	-0.2237	-1.138	0.28276	0.453	-5.92	1.55807	none
PHF21B	0.182	0.1465	1.1372	0.28287	0.453	-5.92	-0.4275	none
ZMYM4	0.372	0.4937	1.137	0.28297	0.453	-5.92	0.95223	none
CAMKV	0.096	0.0688	1.1369	0.283	0.453	-5.92	-0.8744	none
TSPAN14	0.125	0.0617	1.1365	0.28316	0.454	-5.92	0.12001	none
SKIV2L	-0.267	-0.264	-1.136	0.28329	0.454	-5.92	1.28873	none
KLRF1	-0.137	-0.1156	-1.136	0.2833	0.454	-5.92	0.61342	none
TSSK2	-0.122	-0.1202	-1.136	0.28333	0.454	-5.92	0.24163	none
ATG4B	0.132	0.1265	1.1359	0.28341	0.454	-5.92	0.76648	none
PCNX3	0.241	0.348	1.1357	0.2835	0.454	-5.92	-0.4365	none
TMEM117	0.238	0.1779	1.1355	0.28355	0.454	-5.92	-0.4363	none
A1BG	0.26	0.1102	1.1355	0.28357	0.454	-5.92	-0.7324	none

CDH23	0.182	0.1396	1.1354	0.2836	0.454	-5.92	-0.1388	none
R3HDML	0.121	0.0959	1.1348	0.28386	0.454	-5.92	-0.928	none
REEP1	0.104	0.1208	1.1344	0.28401	0.454	-5.92	0.41097	none
MOB2	0.246	0.2434	1.1339	0.28419	0.455	-5.92	0.73956	none
SNX8	0.138	0.1054	1.1339	0.2842	0.455	-5.92	0.80815	none
KRTAP21-3	0.231	0.2315	1.1338	0.28426	0.455	-5.92	0.66005	none
DKK3	0.09	0.0881	1.1337	0.28427	0.455	-5.92	1.52019	none
C6ORF47	0.225	0.1608	1.1337	0.28428	0.455	-5.92	-0.6994	none
ZCWPW1	0.113	0.1017	1.1337	0.2843	0.455	-5.92	0.35312	none
CEP78	0.177	0.2298	1.1335	0.28435	0.455	-5.92	0.33673	none
FOXB1	0.142	0.1518	1.1335	0.28436	0.455	-5.92	-0.146	none
PPP1R14A	-0.145	-0.1582	-1.133	0.28437	0.455	-5.92	0.45078	none
SLC16A13	-0.115	-0.0577	-1.133	0.28454	0.455	-5.92	2.04542	none
PIGH	0.138	0.0588	1.1324	0.28479	0.455	-5.92	-0.0611	none
ZMYND10	-0.19	-0.1328	-1.132	0.28483	0.455	-5.92	1.026	none
C19ORF38	-0.164	-0.1776	-1.132	0.28485	0.455	-5.92	0.74151	none
SNX14	0.183	0.0965	1.1322	0.28487	0.455	-5.92	1.29336	none
ZNF143	0.205	0.2124	1.1319	0.28499	0.455	-5.92	-0.4507	none
NT5C3A	0.163	0.0208	1.1317	0.28508	0.455	-5.92	0.29786	none
OR4C3	-0.081	-0.081	-1.132	0.28508	0.455	-5.92	1.63945	none
FGFRL1	0.185	0.201	1.1317	0.28508	0.455	-5.92	0.19477	none
MT1E	-0.241	-0.2438	-1.131	0.28532	0.456	-5.92	1.65293	none
ABR	0.5	0.3389	1.1306	0.28553	0.456	-5.92	-0.9425	none
LOXL1	0.25	0.2564	1.1304	0.28562	0.456	-5.92	0.97923	none
STARD13	-0.09	-0.0698	-1.13	0.28563	0.456	-5.92	-0.4192	none
SLC39A7	-0.268	-0.1438	-1.13	0.28571	0.456	-5.92	1.01817	none
P2RY11	0.248	0.2869	1.1301	0.28572	0.456	-5.92	-0.6146	none
CPEB3	0.093	0.085	1.13	0.28575	0.456	-5.92	-0.6614	none
DNAJC1	0.333	0.3895	1.1299	0.28582	0.456	-5.93	0.70979	none
FOXN2	-0.204	-0.1431	-1.13	0.28585	0.456	-5.93	2.2156	AA-related
ARPP19	0.17	0.0781	1.1297	0.28591	0.456	-5.93	-0.9672	none
LCE1E	-0.187	-0.1877	-1.129	0.28602	0.456	-5.93	0.88699	none
RNF208	0.194	0.171	1.1293	0.28606	0.456	-5.93	-0.4871	none
MDP1	-0.194	-0.2145	-1.129	0.28609	0.456	-5.93	0.64959	none
VIM	-0.159	-0.1423	-1.129	0.28621	0.457	-5.93	1.05541	none
FAM25C	-0.208	-0.2083	-1.129	0.28629	0.457	-5.93	1.9054	none
MTMR14	0.118	0.0499	1.1286	0.28632	0.457	-5.93	-0.0935	none
SEL1L2	-0.155	-0.1768	-1.128	0.2864	0.457	-5.93	0.69722	none
RPP25	0.1	0.1292	1.1282	0.2865	0.457	-5.93	1.13186	none
SDR9C7	0.082	0.0824	1.128	0.28656	0.457	-5.93	-0.7589	none

MEAF6	-0.133	-0.1621	-1.128	0.2866	0.457	-5.93	2.00981	none
TMED9	-0.132	-0.0959	-1.128	0.28673	0.457	-5.93	1.01031	none
RTKN2	0.124	0.007	1.1276	0.28674	0.457	-5.93	0.10412	none
CHGA	0.126	0.15	1.1275	0.28679	0.457	-5.93	0.83816	none
MYO7A	-0.338	-0.2935	-1.127	0.28687	0.457	-5.93	-0.4529	none
ABI3BP	0.304	0.2629	1.1272	0.28691	0.457	-5.93	-0.1567	none
MPP3	-0.132	-0.1137	-1.127	0.28696	0.457	-5.93	1.57831	none
RALYL	-0.194	-0.1947	-1.127	0.287	0.457	-5.93	-0.1806	none
KCNAB2	0.192	0.2748	1.1269	0.28703	0.457	-5.93	0.74744	none
DOK5	0.17	0.045	1.1268	0.28705	0.457	-5.93	0.27963	none
PPP1R7	0.195	0.2025	1.1266	0.28715	0.457	-5.93	-0.8181	none
HLA-DQB1	0.134	0.0628	1.1266	0.28715	0.457	-5.93	0.32075	none
FAXC	0.125	0.079	1.1265	0.28719	0.457	-5.93	-0.8507	none
AKAP8L	0.237	0.36	1.1262	0.28728	0.457	-5.93	-0.0384	none
LAS1L	0.151	0.2112	1.1261	0.28732	0.457	-5.93	0.09312	none
PRSS45	-0.091	-0.0803	-1.126	0.28753	0.458	-5.93	0.34552	none
LTN1	0.183	0.1771	1.1255	0.28757	0.458	-5.93	1.20516	none
CASP8AP2	0.301	0.3386	1.1252	0.2877	0.458	-5.93	0.06758	none
TMEM110	0.146	0.0722	1.1251	0.28774	0.458	-5.93	1.05873	none
XXYLT1	0.181	0.2173	1.1248	0.28784	0.458	-5.93	0.89108	none
MAGED4	-0.152	-0.0393	-1.125	0.28797	0.458	-5.93	1.25099	none
MRPS7	-0.115	-0.1087	-1.124	0.28804	0.458	-5.93	0.10657	none
ORC1	0.204	0.2411	1.1243	0.28808	0.458	-5.93	0.0836	none
LONRF1	0.157	0.1208	1.1234	0.28844	0.459	-5.93	-0.7947	none
PHIP	0.275	0.3199	1.1226	0.28876	0.459	-5.93	0.31777	none
ZBED6	0.208	0.2731	1.1223	0.28886	0.459	-5.93	-0.2543	none
AC008622	0.21	0.2104	1.1222	0.28892	0.46	-5.93	1.19688	none
GNRH2	0.108	0.1264	1.1219	0.28903	0.46	-5.93	0.09752	none
LGR4	0.093	0.0545	1.1218	0.28906	0.46	-5.93	1.18659	none
IRF1	0.14	0.1067	1.1214	0.28923	0.46	-5.93	-0.093	none
USP18	-0.131	-0.1686	-1.121	0.2893	0.46	-5.93	1.04487	none
FUNDC1	0.121	0.0277	1.1209	0.28944	0.46	-5.93	0.88443	none
SGMS1	0.169	0.1103	1.1205	0.28961	0.46	-5.94	-0.2557	none
FLNA	0.361	0.5643	1.1204	0.28966	0.46	-5.94	-0.0349	none
ERMARD	0.283	0.2794	1.1202	0.28972	0.46	-5.94	-0.2325	none
PRKCI	0.157	0.1236	1.1202	0.28974	0.46	-5.94	1.24566	none
RLN2	-0.296	-0.2856	-1.12	0.28978	0.46	-5.94	1.63853	none
IL2	-0.212	-0.2432	-1.12	0.28984	0.46	-5.94	0.88602	none
OSER1	0.076	-0.0032	1.1198	0.28986	0.46	-5.94	-0.2013	none
CCDC96	0.111	0.1123	1.1197	0.28991	0.46	-5.94	0.20499	none

CIDEC	0.101	0.0971	1.1197	0.28994	0.46	-5.94	0.60614	none
SAC3D1	-0.166	-0.1672	-1.12	0.28995	0.46	-5.94	-0.2121	none
TMEM54	0.104	0.18	1.1196	0.28996	0.46	-5.94	1.11078	none
CAPS2	-0.163	-0.171	-1.12	0.28996	0.46	-5.94	0.88294	none
IFITM1	-0.185	-0.283	-1.12	0.28999	0.46	-5.94	0.94325	none
OVOL1	-0.08	-0.0516	-1.119	0.29002	0.46	-5.94	-0.768	none
CTR9	0.29	0.3419	1.1188	0.2903	0.461	-5.94	0.18128	none
SIM1	0.085	0.0725	1.1187	0.29031	0.461	-5.94	-0.2329	none
DDX5	0.153	0.1921	1.1185	0.29039	0.461	-5.94	1.32188	none
ARHGEF19	0.131	0.1353	1.1185	0.29041	0.461	-5.94	0.28923	none
ASMTL	0.138	0.1288	1.1171	0.29097	0.462	-5.94	0.05406	none
RBM11	0.137	0.0801	1.117	0.29101	0.462	-5.94	0.19912	none
KCNS3	-0.133	-0.1373	-1.117	0.29101	0.462	-5.94	0.50269	none
CNBP	-0.093	-0.0859	-1.116	0.29123	0.462	-5.94	1.07005	none
FAM25G	-0.19	-0.1897	-1.116	0.29128	0.462	-5.94	0.38565	none
CDC42BPA	0.133	0.1411	1.1162	0.29136	0.462	-5.94	0.55659	none
SLC8A2	0.215	0.228	1.1159	0.29145	0.462	-5.94	0.0079	none
MMP28	0.088	0.085	1.1159	0.29148	0.462	-5.94	0.05739	none
OCM2	0.2	0.2002	1.1154	0.29166	0.462	-5.94	-0.7522	none
HPF1	-0.118	-0.1608	-1.115	0.29169	0.462	-5.94	-0.0523	none
DEFB128	-0.188	-0.1881	-1.115	0.29177	0.463	-5.94	1.03077	none
CHM	0.197	0.1876	1.115	0.29182	0.463	-5.94	0.40297	none
ANO4	-0.122	-0.0654	-1.115	0.29185	0.463	-5.94	1.36794	none
EDDM3B	0.081	0.0814	1.1146	0.29199	0.463	-5.94	-0.7502	none
MDH1B	-0.113	-0.0672	-1.115	0.29201	0.463	-5.94	0.16016	none
TRAIP	0.266	0.2681	1.1144	0.29207	0.463	-5.94	0.18733	none
CYCS	-0.158	-0.1788	-1.114	0.29207	0.463	-5.94	1.81729	none
TMEM26	-0.102	-0.1019	-1.114	0.29209	0.463	-5.94	1.94783	none
HIST1H2BC	-0.189	-0.2523	-1.114	0.29212	0.463	-5.94	0.55986	none
HIGD1A	-0.152	-0.2179	-1.114	0.2922	0.463	-5.94	0.79229	none
ADNP2	0.089	0.0808	1.1141	0.29221	0.463	-5.94	0.67942	none
ZCCHC3	0.133	0.064	1.1141	0.29222	0.463	-5.94	0.00151	none
SCARA5	0.079	0.0786	1.1139	0.29228	0.463	-5.94	0.80665	none
ESCO2	0.267	0.2697	1.1138	0.29233	0.463	-5.94	0.58941	none
HOXB3	0.284	0.3094	1.1136	0.29239	0.463	-5.94	0.44552	none
RIMKLA	0.163	0.0778	1.1136	0.2924	0.463	-5.94	0.61047	none
SRPK2	-0.156	-0.0856	-1.113	0.29254	0.463	-5.94	0.12557	none
MMAA	-0.334	-0.2912	-1.113	0.2927	0.463	-5.94	1.27436	none
PPP1R10	0.556	0.5382	1.1128	0.29272	0.463	-5.94	0.46168	none
PALLD	-0.25	-0.073	-1.113	0.2928	0.463	-5.94	0.12811	none

ZNF48	0.168	0.2185	1.1125	0.29283	0.463	-5.94	0.44481	none
C2ORF72	-0.111	-0.1125	-1.112	0.2931	0.464	-5.94	1.58819	none
BMS1	0.327	0.4751	1.1118	0.29315	0.464	-5.94	-0.0188	none
LYL1	0.14	0.1249	1.1114	0.29331	0.464	-5.94	-0.1492	none
NSUN5	-0.121	-0.09	-1.111	0.29335	0.464	-5.95	1.32223	none
NOA1	-0.09	-0.0478	-1.111	0.29342	0.464	-5.95	0.82414	none
FAM19A3	0.08	0.0875	1.111	0.29349	0.464	-5.95	-0.355	none
LEMD1	0.104	0.0997	1.1108	0.29357	0.464	-5.95	-0.0738	none
KIF21A	0.3	0.4631	1.1106	0.29364	0.464	-5.95	0.08296	none
PRKAR2B	0.082	0.0589	1.1103	0.29376	0.464	-5.95	-0.4987	none
DNAJA1	-0.123	-0.0818	-1.11	0.29395	0.465	-5.95	1.42125	none
DYNC1I2	-0.136	-0.1023	-1.11	0.29405	0.465	-5.95	1.35964	none
OR8D1	-0.086	-0.0477	-1.11	0.29408	0.465	-5.95	0.22522	none
TAC1	0.096	0.1282	1.1095	0.29409	0.465	-5.95	0.11709	none
EEF1D	-0.136	-0.0928	-1.109	0.29411	0.465	-5.95	0.95845	none
ZNF232	0.149	0.1496	1.1094	0.29412	0.465	-5.95	-0.143	none
LTC4S	-0.113	-0.1196	-1.109	0.29424	0.465	-5.95	0.23576	none
DCP1B	0.165	0.1544	1.1089	0.29432	0.465	-5.95	0.89724	none
IGSF10	0.114	0.1144	1.1089	0.29434	0.465	-5.95	1.42493	none
MRPL36	-0.137	-0.1381	-1.109	0.29434	0.465	-5.95	1.00354	none
SPINK2	0.232	0.161	1.1087	0.29439	0.465	-5.95	0.70457	none
PDHA1	0.094	0.1254	1.1082	0.29461	0.465	-5.95	1.0324	none
LBR	0.138	0.0567	1.1082	0.29463	0.465	-5.95	0.94694	none
PIP4K2B	0.179	0.1832	1.1077	0.29482	0.466	-5.95	-0.201	none
FAM83H	0.221	0.1442	1.1075	0.29491	0.466	-5.95	-0.8581	none
FAS	0.112	0.0567	1.1073	0.29498	0.466	-5.95	0.37022	none
MKKS	-0.152	-0.1329	-1.107	0.2952	0.466	-5.95	1.18528	none
ALOX5	-0.084	-0.0947	-1.106	0.29535	0.466	-5.95	-0.0359	none
ZNF436	0.085	0.0961	1.1059	0.29554	0.466	-5.95	-0.3281	none
SLC2A9	0.179	0.2726	1.1059	0.29555	0.466	-5.95	0.82954	none
RAET1L	0.102	0.1016	1.1059	0.29558	0.466	-5.95	-0.2435	none
C7ORF31	-0.154	-0.1006	-1.106	0.29559	0.466	-5.95	1.29966	none
EFNA1	0.157	0.1473	1.1051	0.29588	0.467	-5.95	0.03763	none
SPANXN2	-0.1	-0.0927	-1.105	0.29605	0.467	-5.95	1.00702	none
TMEM42	0.181	0.1256	1.1047	0.29607	0.467	-5.95	1.14656	none
RWDD4	-0.133	-0.0916	-1.105	0.29608	0.467	-5.95	0.27365	none
PEG10	-0.095	-0.0648	-1.104	0.29618	0.467	-5.95	1.50828	none
B4GAT1	-0.161	-0.1117	-1.104	0.29638	0.467	-5.95	1.72701	none
KTI12	0.116	0.0772	1.1039	0.29638	0.467	-5.95	-0.4158	none
SLC38A9	-0.244	-0.2348	-1.104	0.29639	0.467	-5.95	1.04754	none

PRR15L	0.081	0.0831	1.1039	0.29639	0.467	-5.95	-0.3156	none
AIFM3	-0.09	-0.0252	-1.104	0.29642	0.467	-5.95	0.58156	none
KLHDC9	-0.208	-0.2018	-1.104	0.29644	0.467	-5.95	0.76012	none
GALM	0.151	0.1384	1.1036	0.29652	0.467	-5.95	-0.7363	none
SREK1IP1	0.2	0.1252	1.1035	0.29654	0.467	-5.95	0.27296	none
CNOT7	-0.146	-0.1613	-1.104	0.29655	0.467	-5.95	1.98457	none
GNAS	0.3	0.4004	1.1034	0.29659	0.467	-5.95	-0.6888	none
APOBEC4	0.107	0.1072	1.1029	0.29678	0.468	-5.95	0.68084	none
FOXL2	0.082	0.0557	1.1026	0.29691	0.468	-5.95	-1.215	none
AC110602	-0.198	-0.1134	-1.102	0.29697	0.468	-5.95	1.44705	none
GPCPD1	0.27	0.2536	1.1025	0.29698	0.468	-5.95	-0.6468	none
PROB1	0.173	0.2227	1.1024	0.29702	0.468	-5.95	-0.653	none
TBC1D3I	-0.193	-0.1878	-1.102	0.29702	0.468	-5.95	0.51185	none
THAP2	0.174	0.1306	1.1024	0.29702	0.468	-5.95	1.27073	none
CDC25B	0.136	0.0982	1.1023	0.29704	0.468	-5.95	-0.6496	none
GSG1L	0.09	0.043	1.102	0.29716	0.468	-5.95	-0.6895	none
MRPL57	0.152	0.0759	1.1017	0.29731	0.468	-5.96	-0.5118	none
USP50	-0.085	-0.051	-1.102	0.29731	0.468	-5.96	-0.4621	none
NCDN	0.131	0.2117	1.1017	0.29731	0.468	-5.96	0.79097	none
SYF2	0.135	0.1054	1.1014	0.2974	0.468	-5.96	-0.8216	none
ZNF484	0.156	0.1652	1.1011	0.29756	0.468	-5.96	-0.7463	none
MMD2	0.137	0.1367	1.101	0.29759	0.468	-5.96	0.91134	none
KIAA1217	0.114	0.1205	1.101	0.29761	0.468	-5.96	1.26087	none
ROM1	0.46	0.3253	1.1007	0.2977	0.468	-5.96	-0.7027	none
TNR	0.079	0.0503	1.1003	0.29787	0.469	-5.96	0	none
OR8S1	-0.079	-0.0775	-1.1	0.29791	0.469	-5.96	-0.1107	none
MSANTD2	-0.108	-0.1195	-1.1	0.29794	0.469	-5.96	1.59791	none
UBE2M	-0.158	-0.1215	-1.1	0.29813	0.469	-5.96	1.0626	none
ZNF705A	-0.128	-0.1399	-1.1	0.29819	0.469	-5.96	1.48163	none
TIMM10B	0.09	0.0341	1.0995	0.29823	0.469	-5.96	-0.0553	none
NOL12	0.127	0.1597	1.0992	0.29835	0.469	-5.96	-0.0688	none
CAMSAP2	0.187	0.248	1.099	0.29842	0.469	-5.96	-0.4662	none
DCD	0.207	0.1059	1.0989	0.29845	0.469	-5.96	-0.6041	none
PHLDA3	0.182	0.1623	1.0988	0.29851	0.469	-5.96	-0.552	none
AL356585.	-0.08	-0.0757	-1.099	0.2986	0.469	-5.96	1.61434	none
HSP90AB1	-0.14	-0.0342	-1.099	0.29861	0.469	-5.96	1.78357	none
ACTL8	-0.083	-0.0962	-1.098	0.29869	0.469	-5.96	1.42652	none
FZD7	0.073	0.0387	1.0982	0.29874	0.469	-5.96	-0.8559	none
LIPF	-0.169	-0.169	-1.098	0.29875	0.469	-5.96	0.82838	none
DUSP15	-0.114	-0.0948	-1.098	0.29875	0.469	-5.96	0.87388	none



NECAB2	-0.157	-0.133	-1.098	0.29879	0.469	-5.96	0.47239	none
FAM214B	0.106	0.0966	1.0978	0.29893	0.469	-5.96	-0.0648	none
CKMT1B	0.112	0.111	1.0978	0.29893	0.469	-5.96	-0.0328	none
C1QTNF3-	0.094	0.0636	1.0977	0.29894	0.469	-5.96	0.18261	none
RBM33	0.171	0.2535	1.0977	0.29895	0.469	-5.96	0.77978	none
TECPR2	0.195	0.2431	1.0976	0.29898	0.469	-5.96	0.6444	none
CCDC149	0.16	0.0955	1.0976	0.29898	0.469	-5.96	-0.8416	none
P2RY8	0.211	0.2342	1.0975	0.29904	0.469	-5.96	0.18081	none
BBS5	0.232	0.2739	1.0974	0.29909	0.469	-5.96	-0.0262	none
HLA-DRB5	-0.104	-0.0894	-1.097	0.29913	0.469	-5.96	1.07978	none
FAM168B	0.102	0.117	1.0971	0.2992	0.469	-5.96	0.52782	none
C5ORF67	0.131	0.1354	1.0971	0.29921	0.469	-5.96	-0.0563	none
COL21A1	-0.08	-0.0533	-1.097	0.29929	0.469	-5.96	-0.2506	none
IDI2	-0.084	-0.0446	-1.097	0.2993	0.469	-5.96	2.09167	AA-related
DGKG	-0.238	-0.194	-1.097	0.29931	0.469	-5.96	1.44392	none
ARFGAP1	0.134	0.1715	1.0967	0.29937	0.47	-5.96	0.9951	none
PDGFRA	0.317	0.3476	1.0967	0.29938	0.47	-5.96	-0.0261	none
WDR77	-0.149	-0.1275	-1.097	0.29945	0.47	-5.96	1.85127	none
BPIFB4	-0.101	-0.1013	-1.096	0.29946	0.47	-5.96	1.76804	none
SH2D5	-0.104	-0.0961	-1.096	0.2996	0.47	-5.96	0.33608	none
CNFN	-0.085	-0.0629	-1.096	0.29965	0.47	-5.96	0.53257	none
SPINT4	0.177	0.1765	1.096	0.29967	0.47	-5.96	1.19688	none
IMPACT	0.118	0.0688	1.0959	0.29971	0.47	-5.96	-0.2846	none
DDX52	0.215	0.1882	1.0957	0.29979	0.47	-5.96	0.25178	none
SENP3-EIF	0.16	0.2053	1.0954	0.29991	0.47	-5.96	0.18584	none
EPS8L3	-0.114	-0.1082	-1.095	0.29995	0.47	-5.96	-0.3991	none
NLRP3	0.13	0.0989	1.0953	0.29996	0.47	-5.96	0.81164	none
DHX36	0.243	0.2538	1.0951	0.30003	0.47	-5.96	-0.074	none
EGR2	0.128	0.2002	1.095	0.3001	0.47	-5.96	0.38029	none
SEMA3G	0.139	0.1329	1.0947	0.30021	0.47	-5.96	-1.177	none
PTPRC	0.289	0.359	1.0944	0.30033	0.47	-5.96	0.31892	none
RAB41	-0.149	-0.1082	-1.094	0.30038	0.47	-5.96	1.38746	none
HEXB	-0.154	-0.198	-1.094	0.30046	0.471	-5.96	2.0378	none
ZBED4	0.159	0.2258	1.0938	0.30057	0.471	-5.96	-0.5732	none
SCML2	0.235	0.1787	1.0936	0.30066	0.471	-5.96	-0.9295	none
ANXA10	0.099	0.1081	1.0929	0.30094	0.471	-5.96	0.84925	none
RAD51D	0.157	0.1363	1.0928	0.301	0.471	-5.96	-0.6458	none
CAPNS1	0.157	0.1119	1.0926	0.30108	0.471	-5.96	-0.8047	none
FGFBP2	0.11	0.1119	1.0926	0.3011	0.471	-5.96	1.14804	none
SCAND1	-0.17	-0.2195	-1.092	0.30118	0.471	-5.97	1.56751	none

WDCP	-0.173	-0.1286	-1.092	0.30132	0.471	-5.97	0.31273	none
TRMT10A	-0.209	-0.205	-1.092	0.30153	0.472	-5.97	0.17476	none
LACC1	0.136	0.1581	1.0915	0.30153	0.472	-5.97	0.00761	none
MMP13	0.09	0.0657	1.0913	0.30161	0.472	-5.97	-0.6001	none
HSDL1	0.133	0.0409	1.091	0.30177	0.472	-5.97	0.5869	none
IL18R1	0.202	0.2424	1.0909	0.30178	0.472	-5.97	0.18526	none
FNDC1	-0.079	-0.0839	-1.091	0.30184	0.472	-5.97	-0.0473	none
ANKRD20A	0.164	0.1278	1.0908	0.30185	0.472	-5.97	0.64284	none
MFN2	0.135	0.2032	1.0907	0.30187	0.472	-5.97	0.61451	none
CD274	-0.169	-0.1726	-1.091	0.30189	0.472	-5.97	0.56538	none
CPB1	0.783	0.7166	1.0902	0.30209	0.472	-5.97	-0.2537	none
VKORC1	-0.179	-0.2094	-1.09	0.30219	0.472	-5.97	0.88039	none
PMCH	-0.138	-0.1998	-1.09	0.30235	0.473	-5.97	0.71898	none
EBAG9	-0.102	-0.123	-1.09	0.30235	0.473	-5.97	1.71014	none
NXT2	-0.171	-0.2216	-1.089	0.30259	0.473	-5.97	1.20103	none
COPZ2	-0.204	-0.1959	-1.089	0.30264	0.473	-5.97	0.17845	none
TASP1	-0.111	-0.0986	-1.089	0.30266	0.473	-5.97	-0.3773	none
ACY3	-0.095	-0.085	-1.089	0.30276	0.473	-5.97	0.57399	none
USP13	0.196	0.2213	1.0879	0.30304	0.473	-5.97	0.6019	none
OLFML3	0.087	0.076	1.0875	0.30322	0.474	-5.97	-0.9506	none
ENPP4	0.168	0.104	1.0871	0.30339	0.474	-5.97	-0.1898	none
CLN8	0.17	0.1265	1.087	0.30344	0.474	-5.97	0.99749	none
ART5	-0.089	-0.08	-1.087	0.30356	0.474	-5.97	-0.5832	none
TBL3	0.122	0.1728	1.0867	0.30357	0.474	-5.97	0.38247	none
DEFB115	0.167	0.1673	1.0865	0.30364	0.474	-5.97	0.44852	none
MYNN	0.127	0.0854	1.0864	0.30368	0.474	-5.97	-0.3699	none
ZNF559-ZNF	0.243	0.2188	1.0862	0.30378	0.474	-5.97	1.55737	none
KHDRBS1	0.144	0.187	1.0858	0.30393	0.474	-5.97	0.28446	none
PQLC2L	-0.078	-0.0782	-1.086	0.30402	0.474	-5.97	-0.3985	none
HNRNPLL	-0.1	-0.0766	-1.085	0.3041	0.475	-5.97	1.17516	none
KLHL18	0.14	0.1682	1.0853	0.30415	0.475	-5.97	0.53656	none
CDC14A	0.167	0.1696	1.0852	0.30417	0.475	-5.97	0.66136	none
HDAC7	0.181	0.2674	1.0852	0.30418	0.475	-5.97	-0.3565	none
LIPA	0.1	-0.0035	1.0848	0.30436	0.475	-5.97	-0.4962	none
SAP25	0.272	0.2493	1.0846	0.30445	0.475	-5.97	-0.4762	none
PNLIP	0.085	0.0848	1.0845	0.30447	0.475	-5.97	1.28988	none
VPREB3	-0.097	-0.086	-1.084	0.30454	0.475	-5.97	0.67267	none
GPBAR1	0.086	0.0766	1.0842	0.30461	0.475	-5.97	-0.5706	none
CCSER1	0.175	0.1784	1.0839	0.30474	0.475	-5.97	-0.4746	none
PODXL2	0.117	0.1265	1.0835	0.30489	0.475	-5.97	0.91244	none

OR5M3	-0.077	-0.0528	-1.083	0.30513	0.476	-5.97	1.75388	none
5-Sep	-0.251	-0.0778	-1.083	0.30518	0.476	-5.97	0.00795	none
ZNF28	0.194	0.1003	1.0826	0.3053	0.476	-5.98	0.88794	none
MZT1	-0.206	-0.2588	-1.083	0.3053	0.476	-5.98	1.25297	none
C20ORF27	-0.146	-0.1391	-1.082	0.30534	0.476	-5.98	1.80044	none
C8B	0.164	0.1636	1.0823	0.3054	0.476	-5.98	1.02049	none
TCF19	-0.347	-0.2095	-1.082	0.30545	0.476	-5.98	1.63335	none
AP3D1	0.347	0.5407	1.082	0.30552	0.476	-5.98	-0.2789	none
MFAP3L	0.154	0.1689	1.0806	0.30613	0.477	-5.98	0.37969	none
GALNT12	-0.149	-0.1658	-1.08	0.30632	0.477	-5.98	0.64095	none
AGR2	0.13	0.078	1.08	0.3064	0.477	-5.98	0.42263	none
ASPDH	-0.136	-0.0901	-1.08	0.30642	0.477	-5.98	0.24702	none
TMEM56-I	-0.088	-0.0097	-1.08	0.30647	0.477	-5.98	-0.0445	none
MEMO1	-0.122	-0.1506	-1.08	0.30648	0.477	-5.98	1.46397	none
KRTDAP	-0.153	-0.153	-1.08	0.30656	0.477	-5.98	0.21342	none
PCDHGC4	-0.098	-0.1018	-1.079	0.3067	0.477	-5.98	1.73467	none
C1ORF43	-0.146	-0.2149	-1.079	0.30674	0.477	-5.98	1.38779	none
HMBS	-0.155	-0.1403	-1.079	0.30686	0.478	-5.98	1.64107	none
ACP1	-0.123	-0.1439	-1.079	0.30698	0.478	-5.98	0.09469	none
PLAC8L1	0.166	0.1009	1.0785	0.30702	0.478	-5.98	0.56752	none
ISL1	0.077	0.0787	1.0783	0.3071	0.478	-5.98	-0.8379	none
CEBPZ	0.274	0.3322	1.0782	0.30716	0.478	-5.98	0.17166	none
C1ORF146	-0.189	-0.1692	-1.078	0.30717	0.478	-5.98	0.64183	none
TRAM1	-0.154	-0.2124	-1.078	0.30732	0.478	-5.98	1.48442	none
AKAP17A	0.297	0.4461	1.0776	0.3074	0.478	-5.98	0.51255	none
CC2D2B	0.301	0.2655	1.0774	0.30748	0.478	-5.98	0.60171	none
EIF4B	0.189	0.235	1.0773	0.30754	0.478	-5.98	-0.0362	none
ONECUT2	0.11	0.1058	1.0772	0.30755	0.478	-5.98	0.58568	none
MIB1	0.134	0.1355	1.0771	0.30759	0.478	-5.98	0.0097	none
ARL13B	0.247	0.2425	1.077	0.30763	0.478	-5.98	0.51965	none
FAM220A	0.367	0.2554	1.0769	0.30772	0.478	-5.98	0.37774	none
TBPL2	0.199	0.15	1.0768	0.30775	0.478	-5.98	-0.6727	none
SALL1	-0.112	-0.1066	-1.077	0.30777	0.478	-5.98	1.03887	none
DNAJB9	-0.174	-0.2073	-1.077	0.30782	0.478	-5.98	1.08886	none
COX17	-0.18	-0.2009	-1.076	0.30796	0.479	-5.98	0.35642	none
1-Mar	0.189	0.1125	1.0759	0.3081	0.479	-5.98	-0.6713	none
AHCTF1	0.494	0.5556	1.0758	0.30818	0.479	-5.98	-0.5756	none
ZNF688	0.162	0.1118	1.0756	0.30824	0.479	-5.98	-0.0829	none
CMAS	-0.099	-0.0594	-1.076	0.30825	0.479	-5.98	1.22498	none
COL23A1	-0.081	-0.0542	-1.075	0.30831	0.479	-5.98	1.99598	none

AP1B1	0.232	0.3296	1.0754	0.30834	0.479	-5.98	0.56094	none
TSPY2	0.158	0.1578	1.0752	0.3084	0.479	-5.98	-0.2399	none
FAM71E1	-0.125	-0.1166	-1.075	0.30851	0.479	-5.98	1.70359	none
LILRB2	0.119	0.1231	1.0747	0.30864	0.479	-5.98	0.59894	none
CARHSP1	0.184	0.083	1.074	0.30892	0.48	-5.98	-0.482	none
GPR33	0.081	0.0806	1.074	0.30894	0.48	-5.98	1.07626	none
ZNF513	0.185	0.1654	1.0739	0.30897	0.48	-5.98	-0.2325	none
USP17L4	0.079	0.0527	1.0736	0.30909	0.48	-5.98	0.10877	none
CLSTN1	0.294	0.4187	1.0735	0.30914	0.48	-5.98	-0.3251	none
XRCC6	-0.116	-0.0423	-1.073	0.30924	0.48	-5.98	1.53386	none
GTF3C5	0.132	0.1464	1.0732	0.30926	0.48	-5.98	1.18921	none
KDM4A	0.261	0.3308	1.0732	0.30928	0.48	-5.99	-0.3384	none
ITIH3	-0.207	-0.1754	-1.073	0.30931	0.48	-5.99	0.62808	none
RFPL3	-0.103	-0.0876	-1.073	0.30932	0.48	-5.99	0.4433	none
BCAP29	0.104	0.0389	1.0727	0.30949	0.48	-5.99	0.16221	none
YPEL4	0.084	0.0862	1.0727	0.3095	0.48	-5.99	0.2166	none
IFRD2	-0.119	-0.0743	-1.073	0.3095	0.48	-5.99	2.02546	none
AC136616	0.156	0.1556	1.0725	0.30958	0.48	-5.99	1.4938	none
CD244	-0.116	-0.1345	-1.072	0.30973	0.48	-5.99	1.11964	none
CCRL2	-0.14	-0.1488	-1.072	0.30978	0.48	-5.99	0.22462	none
KIF18A	0.305	0.3623	1.0719	0.30981	0.48	-5.99	-0.1735	none
CCR1	-0.104	-0.1457	-1.072	0.30989	0.48	-5.99	0.14924	none
FMO4	-0.211	-0.1297	-1.072	0.3099	0.48	-5.99	0.82041	none
ZNF721	0.214	0.1876	1.0717	0.30991	0.48	-5.99	0.09288	none
ENO4	0.077	0.0551	1.0714	0.31005	0.48	-5.99	0.71267	none
DEFB106A	0.155	0.1548	1.0714	0.31005	0.48	-5.99	0.44852	none
SPANXB1	0.155	0.1547	1.0712	0.31012	0.481	-5.99	0.66005	none
DCLK3	0.137	0.1365	1.0706	0.31038	0.481	-5.99	1.22583	none
ZNF416	-0.114	-0.1039	-1.07	0.31064	0.481	-5.99	2.12563	AA-related
NBPF6	0.116	0.0743	1.0697	0.31078	0.481	-5.99	-0.0169	none
EDARADD	0.216	0.21	1.0694	0.31089	0.482	-5.99	-0.5762	none
CYP2E1	0.14	0.0944	1.0694	0.31091	0.482	-5.99	-0.4791	none
GPRC5D	0.299	0.2035	1.0693	0.31094	0.482	-5.99	-0.9537	none
PTF1A	0.153	0.1532	1.0692	0.31096	0.482	-5.99	1.19688	none
SF3B2	0.233	0.3695	1.0691	0.31104	0.482	-5.99	-0.1476	none
FAM160A	0.136	0.1629	1.069	0.31107	0.482	-5.99	-0.1004	none
GSX2	-0.145	-0.1454	-1.069	0.31109	0.482	-5.99	0.57507	none
GTF2A1L	0.153	0.1528	1.0687	0.31118	0.482	-5.99	0.87018	none
CKAP2	0.341	0.4197	1.0683	0.31138	0.482	-5.99	0.20086	none
AKR7A2	-0.149	-0.1613	-1.068	0.31147	0.482	-5.99	1.43261	none

MFSD3	0.116	0.089	1.0679	0.31152	0.482	-5.99	0.99589	none
PPL	-0.212	-0.1373	-1.068	0.31156	0.482	-5.99	0.98531	none
RRM1	0.163	0.1668	1.0676	0.31165	0.482	-5.99	0.18335	none
CYP2D6	0.126	0.0966	1.0673	0.31178	0.482	-5.99	0.15169	none
TPST2	-0.095	-0.1148	-1.067	0.31195	0.483	-5.99	1.95643	none
LRRC17	0.078	0.0896	1.0669	0.31196	0.483	-5.99	1.91741	none
RBCK1	0.094	0.0749	1.0666	0.31208	0.483	-5.99	-0.6169	none
CCDC103	0.203	0.149	1.0666	0.31209	0.483	-5.99	-0.3341	none
SMG9	0.175	0.3031	1.0665	0.31215	0.483	-5.99	-0.394	none
SLC16A5	0.405	0.3396	1.0664	0.31217	0.483	-5.99	-0.74	none
HIST1H2B	-0.143	-0.1434	-1.066	0.31242	0.483	-5.99	1.9054	none
FAM111A	0.246	0.2629	1.0658	0.31244	0.483	-5.99	0.33192	none
ANKMY2	-0.172	-0.0696	-1.066	0.31246	0.483	-5.99	1.72633	none
BGLAP	-0.267	-0.1541	-1.065	0.31263	0.483	-5.99	0.98708	none
CCDC63	-0.123	-0.1112	-1.064	0.31305	0.484	-5.99	-0.2931	none
PLGRKT	-0.16	-0.2145	-1.064	0.31312	0.484	-5.99	0.92525	none
GOLGA8M	-0.142	-0.1418	-1.063	0.31348	0.484	-6	1.9054	none
CCDC78	0.117	0.1277	1.0633	0.31353	0.484	-6	0.49487	none
TIPARP	-0.163	-0.1728	-1.063	0.31359	0.484	-6	2.01804	none
SYCE3	-0.17	-0.1039	-1.063	0.31372	0.485	-6	0.56238	none
TNNI3K	0.139	0.1403	1.0625	0.31388	0.485	-6	-0.7364	none
PSG7	-0.166	-0.0849	-1.062	0.31391	0.485	-6	0.1833	none
LENG8	-0.353	-0.0805	-1.062	0.31397	0.485	-6	1.22896	none
FAIM	0.14	0.0543	1.0622	0.31401	0.485	-6	0.77318	none
SCML1	-0.19	-0.1734	-1.062	0.31413	0.485	-6	0.89019	none
TTC39A	0.213	0.1198	1.0618	0.31417	0.485	-6	-0.1308	none
PVRIG	-0.111	-0.1238	-1.062	0.31424	0.485	-6	0.7644	none
MYH6	-0.072	-0.0671	-1.062	0.31427	0.485	-6	1.22307	none
CDC14B	0.235	0.1407	1.0612	0.31442	0.485	-6	-0.3818	none
TGFB2	0.13	0.1335	1.0608	0.31458	0.486	-6	0.1498	none
SIRPD	-0.088	-0.0533	-1.061	0.31465	0.486	-6	-0.2604	none
ULBP2	0.172	0.1378	1.0606	0.31466	0.486	-6	0.1682	none
TSC22D4	-0.09	0.0089	-1.06	0.31476	0.486	-6	1.10669	none
GPC3	-0.132	-0.166	-1.06	0.31481	0.486	-6	0.79609	none
WARS2	-0.147	-0.1066	-1.06	0.31488	0.486	-6	1.58239	none
AQP4	0.147	0.1468	1.06	0.31492	0.486	-6	-0.3407	none
TRIB2	0.145	0.0311	1.0599	0.31497	0.486	-6	-0.9286	none
GPX6	0.11	0.1205	1.0599	0.315	0.486	-6	0.327	none
FLNC	-0.148	-0.1437	-1.059	0.31533	0.486	-6	0.91949	none
NDUFB5	-0.171	-0.2807	-1.059	0.31538	0.486	-6	1.32062	none

TPST1	0.211	0.1414	1.0589	0.31543	0.486	-6	1.77561	none
AMOTL1	-0.09	-0.0572	-1.059	0.31547	0.486	-6	-0.5832	none
PHF8	0.19	0.315	1.0586	0.31557	0.486	-6	0.63146	none
SPTA1	-0.079	-0.0721	-1.058	0.31578	0.487	-6	0.52786	none
SPATA7	0.284	0.2468	1.058	0.31582	0.487	-6	-0.7479	none
WDR74	0.078	0.0983	1.0578	0.3159	0.487	-6	1.40667	none
TPCN2	0.103	0.0655	1.057	0.31624	0.487	-6	-0.4678	none
CITED4	-0.096	-0.0907	-1.057	0.31624	0.487	-6	1.0209	none
DYRK1B	0.133	0.1603	1.057	0.31625	0.487	-6	-0.074	none
WDR53	0.158	0.1206	1.0569	0.31627	0.487	-6	0.30669	none
CXCL3	-0.1	-0.0791	-1.057	0.31634	0.487	-6	2.08918	none
AIRE	0.137	0.107	1.0566	0.31642	0.487	-6	-0.4882	none
SEZ6L	-0.099	-0.0977	-1.057	0.31645	0.487	-6	1.51812	none
SSC4D	0.13	0.0961	1.0565	0.31647	0.487	-6	1.06049	none
ACOX3	0.085	0.1173	1.0563	0.31656	0.487	-6	0.44887	none
SLF1	0.168	0.1372	1.0559	0.31672	0.488	-6	-0.6	none
PRLH	0.144	0.144	1.0558	0.31675	0.488	-6	1.19688	none
DEPDC7	0.104	0.0585	1.0555	0.31688	0.488	-6	-0.0535	none
PAK3	0.158	0.0834	1.0552	0.31702	0.488	-6	-0.4309	none
C10ORF55	0.085	0.0882	1.055	0.31711	0.488	-6	0.13565	none
LRMP	0.21	0.1218	1.055	0.31712	0.488	-6	0.07225	none
ABL1	0.239	0.4283	1.0547	0.31722	0.488	-6	0.52698	none
LKAAEAR1	0.075	0.0756	1.0547	0.31724	0.488	-6	0.67078	none
BHLHE41	0.115	0.121	1.0547	0.31725	0.488	-6	-0.7042	none
KRTAP19-1	-0.136	-0.1361	-1.054	0.31758	0.489	-6	1.9054	none
PRICKLE4	0.235	0.1895	1.0537	0.31768	0.489	-6.01	-1.1891	none
MAP1LC3B	-0.192	-0.1715	-1.054	0.31773	0.489	-6.01	0.47518	none
NUCKS1	0.221	0.2528	1.0536	0.31773	0.489	-6.01	-0.4605	none
LHFPL2	-0.171	-0.0687	-1.053	0.31779	0.489	-6.01	1.17288	none
E2F8	0.217	0.2691	1.0534	0.31782	0.489	-6.01	-0.1194	none
HIST1H4C	-0.328	-0.2681	-1.053	0.31789	0.489	-6.01	1.13426	none
GTSE1	0.157	0.1852	1.053	0.31797	0.489	-6.01	-0.6196	none
LRIT1	0.084	0.0843	1.0529	0.31803	0.489	-6.01	0.75515	none
SPRR1A	0.142	0.142	1.0526	0.31814	0.489	-6.01	1.19688	none
C12ORF56	-0.109	-0.0841	-1.053	0.3182	0.489	-6.01	1.4843	none
HNRNPAB	-0.116	-0.024	-1.052	0.31825	0.489	-6.01	0.68576	none
RBM12	0.113	0.1273	1.0523	0.31828	0.489	-6.01	-0.2172	none
NFXL1	0.198	0.2061	1.0522	0.31833	0.489	-6.01	0.10146	none
SYDE1	-0.163	-0.0818	-1.052	0.31833	0.489	-6.01	0.20251	none
BAG4	0.212	0.1837	1.052	0.31841	0.489	-6.01	-0.4847	none

CFAP61	-0.136	-0.0649	-1.052	0.31861	0.489	-6.01	-0.0342	none
LCE3D	0.141	0.1413	1.0515	0.31862	0.489	-6.01	1.19688	none
MLST8	0.13	0.0963	1.0511	0.3188	0.49	-6.01	-0.0313	none
WDR75	0.136	0.1102	1.0511	0.31882	0.49	-6.01	1.28576	none
CPTP	0.152	0.1426	1.0509	0.3189	0.49	-6.01	0.14772	none
RABIF	-0.137	-0.1756	-1.051	0.31891	0.49	-6.01	0.8865	none
RAD17	0.304	0.1689	1.0506	0.31901	0.49	-6.01	-0.9524	none
IFIT5	0.103	0.0514	1.0506	0.31904	0.49	-6.01	1.08178	none
APOA5	-0.082	-0.0586	-1.05	0.31908	0.49	-6.01	0.66201	none
GPIHBP1	0.069	0.0689	1.0503	0.31915	0.49	-6.01	0.65061	none
MRPL4	0.11	0.0819	1.05	0.3193	0.49	-6.01	-0.3319	none
METTL18	-0.12	-0.164	-1.05	0.31932	0.49	-6.01	0.99819	none
MSLNL	-0.072	-0.034	-1.05	0.31936	0.49	-6.01	1.95957	none
DEFB107A	-0.092	-0.0519	-1.05	0.31943	0.49	-6.01	0.17954	none
DEFB107B	-0.092	-0.0519	-1.05	0.31943	0.49	-6.01	0.17954	none
NXF3	0.078	0.1083	1.0497	0.31943	0.49	-6.01	-0.58	none
GRHL3	-0.115	-0.1258	-1.049	0.31956	0.49	-6.01	0.63837	none
KRTAP22-1	0.14	0.14	1.0493	0.31958	0.49	-6.01	-0.511	none
GNB2	-0.231	-0.1954	-1.049	0.31979	0.49	-6.01	0.94654	none
HSD17B12	0.162	0.0506	1.0488	0.31981	0.49	-6.01	-0.3017	none
DEFB123	0.14	0.1397	1.0488	0.31983	0.49	-6.01	0.44852	none
FABP12	-0.075	-0.0502	-1.049	0.31992	0.49	-6.01	1.24897	none
HEPACAM	-0.08	-0.0708	-1.049	0.31994	0.49	-6.01	0.49575	none
ZNF24	-0.147	-0.0967	-1.048	0.31995	0.49	-6.01	1.85106	none
RLF	0.265	0.3404	1.0485	0.31997	0.49	-6.01	0.08349	none
SLC6A15	0.098	0.1018	1.0482	0.32006	0.491	-6.01	0.63154	none
UCHL1	0.213	0.2672	1.0482	0.32006	0.491	-6.01	0.46696	none
BATF2	0.083	0.0722	1.0482	0.32008	0.491	-6.01	0.16655	none
C1GALT1	0.127	0.0839	1.0481	0.32011	0.491	-6.01	0.63999	none
SPRR3	-0.133	-0.1328	-1.048	0.32019	0.491	-6.01	1.55345	none
PHOX2B	-0.174	-0.1736	-1.048	0.32019	0.491	-6.01	1.57654	none
NUDT6	0.121	0.0666	1.0475	0.32037	0.491	-6.01	-0.186	none
BCL11B	0.194	0.1774	1.0473	0.32046	0.491	-6.01	0.08143	none
RFX7	0.28	0.3695	1.0472	0.32052	0.491	-6.01	-0.2526	none
CFAP65	-0.098	-0.0547	-1.046	0.32087	0.491	-6.01	1.06404	none
CRIM1	0.236	0.3139	1.0463	0.32091	0.491	-6.01	0.67161	none
CRYM	-0.078	-0.0474	-1.046	0.32093	0.491	-6.01	1.34597	none
STK39	-0.162	-0.0575	-1.046	0.32116	0.492	-6.01	0.12207	none
DNAJC6	-0.124	-0.0135	-1.046	0.32119	0.492	-6.01	1.68465	none
C2CD5	0.241	0.2151	1.0457	0.32119	0.492	-6.01	-0.3825	none

DYNC1LI1	-0.134	-0.0759	-1.045	0.32127	0.492	-6.01	1.98195	none
TRHR	0.076	0.0758	1.0453	0.32136	0.492	-6.01	0.54573	none
INF2	0.139	0.2045	1.0451	0.32144	0.492	-6.01	0.2081	none
ANXA1	0.126	0.062	1.0449	0.32151	0.492	-6.01	1.528	none
CACNA1I	0.159	0.161	1.0448	0.32155	0.492	-6.01	-0.6978	none
KIF26B	-0.084	-0.0723	-1.045	0.32158	0.492	-6.01	-0.3803	none
ZNF837	0.101	0.118	1.0447	0.3216	0.492	-6.01	0.69791	none
TAF10	-0.124	-0.0826	-1.045	0.32164	0.492	-6.01	1.7523	none
MTPN	-0.144	-0.1946	-1.045	0.32169	0.492	-6.01	1.23771	none
PAFAH1B3	-0.136	-0.1646	-1.044	0.32176	0.492	-6.01	0.09084	none
HNRNPCL4	0.081	0.0701	1.0441	0.32188	0.492	-6.01	0.09135	none
TMEM240	0.088	0.1004	1.044	0.32194	0.492	-6.01	0.85572	none
JAK2	0.209	0.3249	1.0438	0.32202	0.492	-6.02	0.83136	none
CDK8	0.12	0.0883	1.0436	0.32211	0.492	-6.02	1.05444	none
PLIN1	0.137	0.1526	1.0434	0.32217	0.493	-6.02	0.86691	none
ADAMTS7	-0.123	-0.0673	-1.043	0.32223	0.493	-6.02	-0.2733	none
FOXO2	0.077	0.0938	1.0431	0.32233	0.493	-6.02	-0.3531	none
CSTF1	0.093	-0.0246	1.0429	0.3224	0.493	-6.02	-0.2962	none
BBS4	0.294	0.2735	1.0429	0.32242	0.493	-6.02	-0.5029	none
ZNF140	0.128	0.1078	1.0426	0.32252	0.493	-6.02	0.262	none
HEBP2	0.127	0.084	1.0425	0.32258	0.493	-6.02	1.52875	none
TET2	0.378	0.4822	1.0423	0.32265	0.493	-6.02	0.55382	none
MROH9	-0.071	-0.0556	-1.042	0.32265	0.493	-6.02	0	none
PPP1R17	0.087	0.0873	1.0423	0.32266	0.493	-6.02	-0.7793	none
3-Mar	0.19	0.1202	1.0421	0.32277	0.493	-6.02	-0.4345	none
SPIC	-0.075	-0.0497	-1.042	0.32281	0.493	-6.02	0.24793	none
IER5	-0.12	-0.06	-1.041	0.32307	0.493	-6.02	0.1799	none
KRTAP22-2	0.135	0.1352	1.041	0.32324	0.494	-6.02	1.19688	none
PCDHAC2	-0.129	-0.1292	-1.041	0.32324	0.494	-6.02	1.05226	none
MRPL9	-0.104	-0.1319	-1.041	0.32328	0.494	-6.02	0.6579	none
KCNJ9	-0.069	-0.0416	-1.041	0.32328	0.494	-6.02	-0.0653	none
POSTN	-0.125	-0.1257	-1.04	0.32358	0.494	-6.02	1.53529	none
AVPI1	-0.085	0.0049	-1.04	0.32368	0.494	-6.02	0.83059	none
GSAP	0.137	0.1241	1.0399	0.32373	0.494	-6.02	1.26372	none
HHIPL2	0.135	0.1171	1.0398	0.32377	0.494	-6.02	0.72611	none
FANCB	0.114	0.1197	1.0396	0.32388	0.494	-6.02	0.91092	none
TPM3	-0.094	-0.0447	-1.039	0.32391	0.494	-6.02	0.26797	none
DNAJB6	0.102	0.0801	1.0392	0.32402	0.494	-6.02	0.1424	none
ADIG	-0.128	-0.1282	-1.039	0.32413	0.494	-6.02	0.88916	none
MRPL53	-0.149	-0.1655	-1.039	0.32421	0.495	-6.02	1.55349	none



MUC3A	0.098	0.0768	1.0387	0.32427	0.495	-6.02	1.09553	none
ZNF502	-0.081	-0.06	-1.038	0.3244	0.495	-6.02	0.34409	none
CTSH	-0.2	-0.1757	-1.038	0.32445	0.495	-6.02	1.32482	none
TNFSF11	0.17	0.0961	1.038	0.32455	0.495	-6.02	0.17586	none
MBD3L2	0.134	0.1336	1.038	0.32456	0.495	-6.02	-0.7798	none
FAM13C	0.085	0.0854	1.0376	0.32474	0.495	-6.02	-0.4811	none
COL5A3	0.09	0.1294	1.0375	0.3248	0.495	-6.02	0.26707	none
ARHGAP4	0.081	0.0586	1.0374	0.32483	0.495	-6.02	-1.247	none
MED16	0.164	0.1621	1.0373	0.32487	0.495	-6.02	0.38135	none
TNFRSF18	-0.11	-0.0985	-1.037	0.32496	0.495	-6.02	1.12138	none
KDF1	0.107	0.0817	1.0367	0.32513	0.495	-6.02	-1.1139	none
SLC25A52	0.111	0.1411	1.0367	0.32514	0.495	-6.02	1.23816	none
HIPK2	0.265	0.3921	1.0366	0.32517	0.495	-6.02	-0.3283	none
RNF38	0.128	0.0851	1.0362	0.32538	0.496	-6.02	-0.3896	none
CPSF6	0.118	0.1403	1.0361	0.32539	0.496	-6.02	-0.0537	none
MFSD10	-0.121	-0.1344	-1.036	0.32539	0.496	-6.02	1.6341	none
CCR8	0.289	0.3772	1.0361	0.32543	0.496	-6.02	-0.0813	none
PPFIBP2	0.327	0.4001	1.036	0.32544	0.496	-6.02	-0.2093	none
PCBP2	-0.084	-0.1065	-1.036	0.32556	0.496	-6.02	1.70848	none
NYNRIN	-0.081	-0.0852	-1.036	0.32567	0.496	-6.02	-0.7074	none
TRPM1	-0.094	-0.0825	-1.035	0.32595	0.496	-6.02	-0.4408	none
ZNF142	0.278	0.437	1.0348	0.326	0.496	-6.02	0.24207	none
TMEM88	-0.153	-0.1198	-1.035	0.326	0.496	-6.02	0.8529	none
TNIP1	0.252	0.3847	1.0346	0.32607	0.496	-6.02	0.44634	none
TOP1	0.417	0.5821	1.0345	0.3261	0.496	-6.02	-0.0929	none
ABCA4	0.146	0.1554	1.0344	0.32614	0.496	-6.02	0.58594	none
NSFL1C	0.094	0.1031	1.0344	0.32617	0.496	-6.02	-0.7243	none
MYF6	0.073	0.0552	1.0343	0.3262	0.496	-6.02	0.38883	none
OR5K3	0.075	0.0501	1.0341	0.32631	0.496	-6.02	0.20876	none
AP1S1	-0.145	-0.1689	-1.034	0.32646	0.497	-6.03	0.39214	none
ZNF510	0.269	0.3743	1.0337	0.32648	0.497	-6.03	1.21274	none
HLA-DRB1	-0.125	-0.1338	-1.033	0.32658	0.497	-6.03	0.89155	none
ACTR5	-0.158	-0.0772	-1.033	0.32672	0.497	-6.03	1.85054	none
RNASEH1	0.124	0.1021	1.0331	0.32675	0.497	-6.03	-0.3566	none
FXYD1	-0.125	-0.1662	-1.033	0.3269	0.497	-6.03	0.3438	none
THY1	0.111	0.1812	1.0326	0.32695	0.497	-6.03	0.80369	none
IGDCC4	0.071	0.0805	1.0326	0.32696	0.497	-6.03	-0.4963	none
GPR146	0.284	0.2051	1.0323	0.32708	0.497	-6.03	0.53184	none
TSR1	0.147	0.1746	1.0323	0.32711	0.497	-6.03	0.4892	none
DCPS	-0.134	-0.1095	-1.032	0.32713	0.497	-6.03	1.65028	none

RSL24D1	-0.132	-0.1652	-1.032	0.32713	0.497	-6.03	0.35563	none
ZMYND11	0.197	0.2336	1.0318	0.3273	0.497	-6.03	0.45336	none
SRP54	-0.106	-0.0838	-1.031	0.32745	0.498	-6.03	1.34856	none
DOK7	0.098	0.0727	1.031	0.32766	0.498	-6.03	-0.6189	none
YPEL1	0.156	0.0853	1.031	0.32769	0.498	-6.03	0.24165	none
NUS1	0.115	0.0737	1.0309	0.32773	0.498	-6.03	0.33245	none
TMEM61	-0.086	-0.0768	-1.031	0.32774	0.498	-6.03	2.03347	none
FBXL6	-0.128	-0.0464	-1.031	0.32776	0.498	-6.03	0.84675	none
GNG12	0.1	0.1036	1.0305	0.32788	0.498	-6.03	1.2488	none
NRTN	0.105	0.0628	1.0305	0.32788	0.498	-6.03	-0.7194	none
RING1	-0.097	-0.0378	-1.03	0.3279	0.498	-6.03	1.30127	none
RIMS4	0.082	0.0832	1.0303	0.328	0.498	-6.03	0.74543	none
RAB24	0.112	0.0947	1.0301	0.3281	0.498	-6.03	-0.0665	none
NME1-NM	0.113	0.0359	1.03	0.32812	0.498	-6.03	-0.2809	none
CBLN1	0.098	0.0729	1.0299	0.32815	0.498	-6.03	1.46465	none
LYG2	0.23	0.1656	1.0296	0.3283	0.498	-6.03	-0.7097	none
PLAC1	-0.245	-0.2436	-1.029	0.32848	0.498	-6.03	0.48123	none
EVC2	0.079	0.0972	1.0291	0.32851	0.498	-6.03	0.62064	none
KALRN	0.202	0.1526	1.0291	0.32854	0.498	-6.03	-0.9369	none
PNPLA7	0.085	0.0728	1.0289	0.32859	0.499	-6.03	-0.1125	none
GABRA4	0.109	0.109	1.0287	0.32872	0.499	-6.03	0.4387	none
HEXIM1	0.202	0.2698	1.0283	0.32889	0.499	-6.03	0.57111	none
ZNF761	0.248	0.2961	1.0283	0.3289	0.499	-6.03	0.62771	none
KIF20B	0.33	0.4025	1.028	0.32899	0.499	-6.03	-0.3423	none
FDPS	-0.11	-0.1158	-1.028	0.329	0.499	-6.03	0.59289	none
MAF	0.164	0.2085	1.028	0.32903	0.499	-6.03	-0.2359	none
MMP21	0.096	0.1204	1.0272	0.32936	0.499	-6.03	0.58728	none
GALNT3	0.144	0.1412	1.0266	0.32963	0.5	-6.03	-0.1168	none
AKR7A3	0.083	0.0969	1.0266	0.32966	0.5	-6.03	1.13938	none
UBB	-0.123	-0.1417	-1.026	0.32978	0.5	-6.03	0.84143	none
TMF1	0.229	0.2638	1.0254	0.33018	0.5	-6.03	-0.2869	none
CD47	-0.129	-0.1737	-1.025	0.33023	0.5	-6.03	1.37377	none
LYZL1	0.127	0.127	1.025	0.33034	0.501	-6.03	0.7508	none
ENPP3	-0.1	-0.0643	-1.025	0.33051	0.501	-6.03	0.57792	none
MTMR1	0.165	0.1944	1.0247	0.33051	0.501	-6.03	-0.5619	none
TSC22D1	0.115	0.1382	1.0247	0.33051	0.501	-6.03	-0.1671	none
MESP1	-0.206	-0.1777	-1.024	0.33064	0.501	-6.03	0.90511	none
CASP7	0.103	0.117	1.0244	0.33065	0.501	-6.03	0.78685	none
EPHA2	-0.133	-0.0418	-1.024	0.33081	0.501	-6.04	0.58	none
ZBED8	-0.096	-0.091	-1.024	0.33086	0.501	-6.04	0.20017	none

TMEM53	0.161	0.156	1.0235	0.33102	0.501	-6.04	0.73519	none
IL5	-0.196	-0.0504	-1.024	0.33103	0.501	-6.04	0.64862	none
TBRG4	0.12	0.1075	1.0234	0.33107	0.501	-6.04	0.2658	none
ACTR1B	0.12	0.1216	1.0225	0.33148	0.502	-6.04	1.32834	none
PPP1R2	-0.11	-0.1394	-1.022	0.33156	0.502	-6.04	1.49132	none
PA2G4	-0.128	-0.031	-1.022	0.33169	0.502	-6.04	1.59566	none
AATK	-0.111	-0.1007	-1.022	0.33169	0.502	-6.04	1.49902	none
CCDC153	0.102	0.1242	1.022	0.33171	0.502	-6.04	0.91733	none
UBE2F	0.121	0.0329	1.0217	0.33185	0.502	-6.04	-0.4992	none
BNIP1	-0.097	-0.1146	-1.021	0.33193	0.502	-6.04	0.9937	none
SIRT7	0.189	0.1699	1.0214	0.33195	0.502	-6.04	-0.6933	none
SRPK1	0.107	0.0884	1.0214	0.33196	0.502	-6.04	-0.3412	none
AMFR	0.239	0.1675	1.0214	0.33199	0.502	-6.04	0.86259	none
SHC3	-0.104	-0.1017	-1.021	0.33205	0.502	-6.04	0.83391	none
EIF2B2	-0.075	-0.071	-1.021	0.33213	0.502	-6.04	1.33052	none
CT62	-0.071	-0.0502	-1.021	0.33226	0.502	-6.04	2.06384	none
LYPD4	0.082	0.0573	1.0208	0.33227	0.502	-6.04	-1.1505	none
AC241377	0.125	0.125	1.0206	0.33232	0.502	-6.04	-0.5847	none
SLC22A23	0.096	0.0935	1.0204	0.3324	0.503	-6.04	1.24376	none
MCM10	0.301	0.4231	1.0204	0.33243	0.503	-6.04	0.6824	none
ASAH2	0.189	-0.0014	1.0202	0.33251	0.503	-6.04	-0.5143	none
RPL3	-0.101	-0.0371	-1.02	0.33255	0.503	-6.04	0.60208	none
GDF3	-0.082	-0.0596	-1.02	0.3326	0.503	-6.04	1.19215	none
NREP	0.217	0.2426	1.02	0.33261	0.503	-6.04	-0.1497	none
HIST1H3E	0.237	0.129	1.0198	0.3327	0.503	-6.04	-0.8045	none
TMEM60	-0.178	-0.2624	-1.02	0.33279	0.503	-6.04	1.65819	none
MEPCE	-0.147	-0.014	-1.019	0.33287	0.503	-6.04	0.23544	none
AMER1	0.099	0.1346	1.0194	0.33289	0.503	-6.04	0.55482	none
PYROXD2	0.326	0.2232	1.0194	0.3329	0.503	-6.04	-0.4427	none
AAR2	-0.078	-0.0555	-1.019	0.333	0.503	-6.04	1.24309	none
ARHGAP23	0.177	0.2029	1.0191	0.33303	0.503	-6.04	0.89552	none
LY75-CD3C	0.162	0.2066	1.019	0.33304	0.503	-6.04	0.29233	none
TEX43	0.124	0.1242	1.019	0.33305	0.503	-6.04	1.66721	none
MFAP2	0.116	0.1177	1.019	0.33307	0.503	-6.04	1.21943	none
DERL1	-0.151	-0.2307	-1.019	0.33307	0.503	-6.04	0.00733	none
C2ORF70	-0.103	-0.1012	-1.019	0.33322	0.503	-6.04	-0.4792	none
LRTM1	-0.086	-0.0845	-1.019	0.33323	0.503	-6.04	1.32879	none
SERP2	-0.124	-0.1054	-1.019	0.33327	0.503	-6.04	0.36887	none
VPS41	0.132	0.062	1.018	0.33351	0.503	-6.04	0.63943	none
TRIM21	-0.102	-0.0866	-1.018	0.33358	0.503	-6.04	1.32425	none

GDAP2	0.13	0.0261	1.0175	0.33371	0.504	-6.04	0.84997	none
TFG	0.078	0.0668	1.0175	0.33375	0.504	-6.04	0.73868	none
COPS4	-0.107	-0.1202	-1.017	0.33377	0.504	-6.04	0.70865	none
MYOT	0.245	0.0888	1.0173	0.33381	0.504	-6.04	-0.9719	none
ATP6V0C	0.12	0.0291	1.0172	0.33387	0.504	-6.04	-0.2716	none
NFU1	-0.208	-0.2879	-1.017	0.33397	0.504	-6.04	0.64922	none
IDI1	-0.125	-0.1187	-1.017	0.33398	0.504	-6.04	2.14599	AA-related
CHORDC1	0.093	0.0438	1.0165	0.3342	0.504	-6.04	-0.949	none
BHLHA15	0.113	0.0755	1.0164	0.33423	0.504	-6.04	1.49017	none
NANOS3	0.188	0.1058	1.0163	0.33426	0.504	-6.04	1.50487	none
SPRY1	0.141	0.1518	1.0162	0.33433	0.504	-6.04	0.84474	none
ERCC2	0.174	0.1649	1.0161	0.33439	0.504	-6.04	-0.1661	none
WDR25	0.18	0.079	1.016	0.33439	0.504	-6.04	-0.8226	none
GNPDA2	0.111	-0.0145	1.016	0.3344	0.504	-6.04	1.45839	none
TMEM14B	-0.181	-0.2801	-1.016	0.33443	0.504	-6.04	0.79536	none
PPIL2	0.202	0.2903	1.0159	0.33446	0.504	-6.04	0.83598	none
FECH	0.089	0.0724	1.0156	0.33461	0.504	-6.04	1.55203	none
CD44	0.079	0.0162	1.0156	0.33461	0.504	-6.04	0.03875	none
TAGLN	0.196	0.2315	1.0154	0.33469	0.504	-6.04	1.01772	none
ZBTB2	0.185	0.2488	1.0154	0.33469	0.504	-6.04	0.33641	none
CTSV	0.106	0.0065	1.0148	0.33497	0.505	-6.04	-0.5079	none
ADCY4	-0.092	-0.0628	-1.015	0.33501	0.505	-6.04	0.95898	none
SELPLG	0.231	0.24	1.0147	0.33501	0.505	-6.04	0.12154	none
ATP2A3	0.166	0.2312	1.0143	0.33518	0.505	-6.04	-0.0074	none
ZNF518B	0.236	0.2011	1.0141	0.33527	0.505	-6.04	0.07849	none
HSPA1B	0.301	0.2598	1.0141	0.33529	0.505	-6.04	0.56569	none
MT-ATP6	0.22	0.2462	1.014	0.33532	0.505	-6.04	0.4636	none
TXNDC2	-0.071	-0.0498	-1.014	0.33532	0.505	-6.04	1.06194	none
RYR1	-0.205	-0.0316	-1.014	0.33534	0.505	-6.05	0.32883	none
MDGA1	0.238	0.1943	1.0139	0.33536	0.505	-6.05	-0.6505	none
C1ORF127	-0.15	-0.138	-1.014	0.33553	0.505	-6.05	1.204	none
CALY	-0.077	-0.0784	-1.013	0.33556	0.505	-6.05	-0.7692	none
ABCF1	0.455	0.5335	1.0134	0.33558	0.505	-6.05	-0.9732	none
S100A12	-0.117	-0.1168	-1.013	0.33559	0.505	-6.05	0.88916	none
CD4	0.202	0.2632	1.0134	0.3356	0.505	-6.05	-0.343	none
DOK3	-0.119	0.0614	-1.013	0.33571	0.505	-6.05	0.91709	none
CDC42EP2	0.152	0.1677	1.0129	0.33583	0.505	-6.05	0.40971	none
TTC3	0.312	0.3823	1.0124	0.33604	0.505	-6.05	0.52317	none
PRPS1	-0.132	-0.1403	-1.012	0.3362	0.506	-6.05	1.72646	none
LY6G6E	0.127	0.0837	1.012	0.33623	0.506	-6.05	0.80262	none

STAT4	0.203	0.1883	1.0116	0.33642	0.506	-6.05	0.11462	none
KEL	-0.088	-0.0642	-1.011	0.33653	0.506	-6.05	0.82374	none
ZSCAN23	-0.109	-0.0438	-1.011	0.33661	0.506	-6.05	1.49365	none
MAL	-0.191	-0.2827	-1.011	0.3368	0.506	-6.05	1.079	none
TRIM49D1	0.079	0.0817	1.0105	0.33693	0.506	-6.05	-0.6216	none
CMTM5	0.081	0.0815	1.0104	0.33698	0.506	-6.05	1.43614	none
SKOR2	-0.104	-0.1094	-1.01	0.337	0.506	-6.05	-0.3543	none
ACTR2	0.094	0.0428	1.0101	0.33711	0.507	-6.05	0.25406	none
SLAMF1	0.17	0.2018	1.0098	0.33722	0.507	-6.05	-0.3595	none
GAGE2A	-0.173	-0.1674	-1.01	0.33723	0.507	-6.05	0.52517	none
MSRA	0.228	0.234	1.0097	0.33729	0.507	-6.05	0.79717	none
NKX6-3	0.07	0.0735	1.0096	0.33732	0.507	-6.05	-0.4771	none
MT1M	-0.115	-0.1151	-1.009	0.33746	0.507	-6.05	1.9054	none
ZNF155	0.279	0.2681	1.0092	0.33749	0.507	-6.05	-0.1324	none
ZNF746	0.174	0.273	1.0092	0.33751	0.507	-6.05	1.02559	none
SYNGR3	0.292	0.2647	1.0091	0.33755	0.507	-6.05	-0.0984	none
TBX5	0.071	0.0715	1.0089	0.33765	0.507	-6.05	0.76095	none
NCEH1	0.103	0.0107	1.0089	0.33765	0.507	-6.05	-0.7349	none
GALNT14	0.159	0.1158	1.0088	0.33767	0.507	-6.05	-0.9004	none
SLC22A3	0.079	0.0531	1.0084	0.33785	0.507	-6.05	0.7242	none
FAHD2A	0.1	0.0443	1.0079	0.33812	0.507	-6.05	-0.4977	none
DNAJC10	-0.132	-0.033	-1.008	0.33815	0.507	-6.05	0.93809	none
CA1	0.249	0.169	1.0075	0.33826	0.507	-6.05	-0.6213	none
UGT2B10	-0.066	-0.0456	-1.007	0.33828	0.507	-6.05	0	none
JADE2	0.25	0.33	1.0075	0.33829	0.507	-6.05	0.32031	none
MDFIC	0.139	0.0632	1.0075	0.33829	0.507	-6.05	-0.5075	none
DLGAP5	0.384	0.4825	1.0073	0.33838	0.507	-6.05	-0.112	none
C5ORF46	0.119	0.1191	1.0073	0.33838	0.507	-6.05	-0.4058	none
TRANK1	-0.152	-0.0331	-1.007	0.33842	0.507	-6.05	0.90637	none
TOMM70	0.151	0.194	1.0071	0.33845	0.507	-6.05	0.95621	none
RUSC1	-0.102	-0.0801	-1.007	0.33848	0.507	-6.05	1.97173	none
FAM50B	-0.093	-0.0672	-1.007	0.3385	0.507	-6.05	1.441	none
PDE8B	0.122	0.1332	1.007	0.3385	0.507	-6.05	-0.3063	none
LPCAT1	0.123	0.1738	1.0068	0.33858	0.507	-6.05	0.11841	none
STON1-GT	0.127	0.1268	1.0067	0.33862	0.507	-6.05	1.24571	none
CDC6	0.155	0.1858	1.0067	0.33865	0.507	-6.05	0.50984	none
FA2H	-0.244	-0.1082	-1.007	0.33866	0.507	-6.05	1.73456	none
GOLGA7	-0.14	-0.1947	-1.007	0.33867	0.507	-6.05	1.30333	none
HEYL	-0.078	-0.0467	-1.007	0.33867	0.507	-6.05	0.90179	none
TUSC1	-0.073	-0.0661	-1.006	0.3391	0.508	-6.05	1.8667	none

ZNF514	0.155	0.1228	1.0056	0.33914	0.508	-6.05	-0.2524	none
RFPL2	0.084	0.0807	1.0055	0.33919	0.508	-6.05	-0.6256	none
TTC31	0.11	0.1236	1.0054	0.33922	0.508	-6.05	1.22381	none
TTC33	-0.177	-0.2093	-1.005	0.33923	0.508	-6.05	1.27824	none
TTC8	0.192	0.1962	1.0053	0.33927	0.508	-6.05	-0.3051	none
NDUFC2-K	-1.413	-1.1234	-1.005	0.33932	0.508	-6.05	2.04631	none
TBX10	0.07	0.0713	1.0052	0.33934	0.508	-6.05	0	none
FKBP1C	0.091	0.1004	1.005	0.33944	0.508	-6.05	-0.4638	none
LRFN4	0.125	0.0696	1.0049	0.33948	0.508	-6.05	0.70321	none
TCEAL9	-0.168	-0.087	-1.005	0.33961	0.508	-6.05	1.98692	none
DYNC1LI2	0.116	0.1763	1.0045	0.33964	0.508	-6.05	1.02691	none
TMEM263	0.108	-0.0029	1.0041	0.33985	0.509	-6.05	-0.2332	none
GRIK1	0.086	0.0555	1.004	0.33986	0.509	-6.05	0.08617	none
CRYBA2	0.094	0.0664	1.0037	0.34	0.509	-6.06	1.6563	none
CERS2	-0.119	-0.1516	-1.004	0.34002	0.509	-6.06	0.91743	none
TAS2R40	-0.074	-0.0634	-1.004	0.34003	0.509	-6.06	0	none
GLI2	0.073	0.0807	1.0034	0.34015	0.509	-6.06	1.31073	none
ISL2	-0.091	-0.0865	-1.003	0.34034	0.509	-6.06	1.67951	none
ASPRV1	-0.094	-0.0678	-1.003	0.34034	0.509	-6.06	0.46299	none
CWF19L2	0.27	0.3217	1.0028	0.34041	0.509	-6.06	-0.4056	none
HNRNPA1	0.131	0.1953	1.0028	0.34044	0.509	-6.06	0.54655	none
HSPA13	0.12	0.0057	1.0026	0.34054	0.509	-6.06	0.08529	none
RBM25	0.307	0.4423	1.0025	0.34056	0.509	-6.06	0.19668	none
FZD3	0.226	0.1094	1.0025	0.34057	0.509	-6.06	0.3198	none
TJP1	0.135	0.1501	1.0025	0.34058	0.509	-6.06	-0.6082	none
ARF4	-0.172	-0.262	-1.002	0.34067	0.509	-6.06	0.76075	none
ACTN4	0.344	0.4662	1.0022	0.34072	0.509	-6.06	0.24171	none
IGSF9	-0.082	-0.0651	-1.002	0.34079	0.509	-6.06	0.99267	none
KIF1A	0.195	0.1573	1.0019	0.34086	0.509	-6.06	-0.668	none
POLR2K	-0.174	-0.2525	-1.002	0.3409	0.509	-6.06	0.21078	none
METTL5	-0.112	-0.1771	-1.002	0.34093	0.509	-6.06	0.63566	none
DGKZ	0.167	0.1718	1.0017	0.34094	0.509	-6.06	-0.2041	none
SLC35A5	0.182	0.0324	1.0015	0.34102	0.509	-6.06	0.30551	none
FOXI1	0.067	0.0672	1.0013	0.3411	0.509	-6.06	-0.0401	none
RNF20	0.319	0.4287	1.0013	0.3411	0.509	-6.06	0.03719	none
LRRCC1	0.228	0.2998	1.0013	0.34113	0.509	-6.06	0.58388	none
PYCARD	-0.207	-0.286	-1.001	0.34116	0.509	-6.06	0.34611	none
PPM1D	0.108	0.0676	1.0005	0.34148	0.51	-6.06	0.67785	none
GLUD1	0.119	0.1222	1.0003	0.34159	0.51	-6.06	0.08558	none
E2F7	-0.151	-0.0091	-1	0.34161	0.51	-6.06	1.56495	none

AP3S1	-0.119	-0.1726	-1	0.34172	0.51	-6.06	0.68519	none
RASGRF2	-0.098	-0.0555	-1	0.34188	0.51	-6.06	1.15187	none
TICRR	0.23	0.337	0.9995	0.34193	0.51	-6.06	-0.5478	none
TTC27	0.1	0.0275	0.9995	0.34194	0.51	-6.06	-0.2834	none
TSPY8	-0.111	-0.1114	-0.999	0.34198	0.51	-6.06	0.12942	none
LMBRD1	0.144	-0.0178	0.9993	0.34202	0.51	-6.06	0.19731	none
SLC7A8	0.183	0.1848	0.9993	0.34203	0.51	-6.06	0.85799	none
NENF	-0.187	-0.1806	-0.999	0.34213	0.51	-6.06	-0.0302	none
AMPD1	0.072	0.0733	0.999	0.34219	0.51	-6.06	1.16625	none
C19ORF67	-0.109	-0.0529	-0.998	0.34255	0.511	-6.06	-0.3199	none
SPINK8	0.115	0.1153	0.9979	0.3427	0.511	-6.06	0.51333	none
KCNK4	-0.12	-0.0803	-0.998	0.34281	0.511	-6.06	0.83625	none
KRTAP12-2	0.115	0.1151	0.9973	0.34297	0.511	-6.06	-0.1375	none
SPRED2	0.135	0.1428	0.9972	0.34298	0.511	-6.06	0.06742	none
GTSF1L	0.135	0.1174	0.9972	0.34298	0.511	-6.06	0.17453	none
VEGFB	0.132	0.1243	0.9969	0.34316	0.512	-6.06	0.25496	none
CYC1	-0.161	-0.1613	-0.996	0.34339	0.512	-6.06	0.64848	none
SH3RF2	0.118	0.0792	0.9963	0.34342	0.512	-6.06	-0.0521	none
WNT1	0.073	0.0494	0.9962	0.34344	0.512	-6.06	0.00644	none
TXLNG	0.242	0.3272	0.9962	0.34346	0.512	-6.06	0.43209	none
SPOUT1	0.125	0.172	0.9961	0.34353	0.512	-6.06	-0.568	none
SMPDL3B	0.177	0.1437	0.9959	0.34359	0.512	-6.06	-0.756	none
U2AF1	0.21	0.1821	0.9958	0.34365	0.512	-6.06	0.24589	none
PSORS1C2	-0.07	-0.0469	-0.996	0.34371	0.512	-6.06	0	none
ARHGEF10	-0.101	-0.1013	-0.996	0.34378	0.512	-6.06	-0.1743	none
ADGRL1	-0.174	0.0202	-0.995	0.34379	0.512	-6.06	-0.0392	none
DUSP5	-0.116	-0.1086	-0.995	0.344	0.512	-6.06	-0.3764	none
FSCN3	-0.125	-0.0523	-0.995	0.34401	0.512	-6.06	0.14825	none
PTP4A1	-0.132	-0.1545	-0.994	0.34436	0.513	-6.06	1.18125	none
UBXN4	0.171	0.2054	0.9936	0.34469	0.513	-6.07	0.5248	none
TSHZ3	-0.095	0.0122	-0.993	0.34484	0.513	-6.07	-0.3155	none
HNRNPDL	-0.101	-0.0616	-0.993	0.34488	0.513	-6.07	1.8843	none
NUTM2E	-0.069	-0.0507	-0.993	0.34513	0.514	-6.07	0.58425	none
PLEKHN1	-0.232	-0.1197	-0.992	0.34522	0.514	-6.07	1.97458	none
COL18A1	0.211	0.2689	0.9922	0.34531	0.514	-6.07	0.26205	none
CCDC188	-0.069	-0.0467	-0.992	0.34534	0.514	-6.07	0	none
AIF1	0.35	0.2787	0.9921	0.34536	0.514	-6.07	-0.1773	none
ACTRT3	-0.12	-0.0864	-0.992	0.34544	0.514	-6.07	1.05807	none
CDH22	-0.069	-0.0567	-0.992	0.34551	0.514	-6.07	-0.4876	none
PAX5	-0.253	-0.1815	-0.992	0.34557	0.514	-6.07	0.24573	none

SCGB1D1	0.113	0.1129	0.9916	0.34561	0.514	-6.07	-0.5846	none
BBS12	0.116	0.0856	0.9915	0.34565	0.514	-6.07	0.30907	none
TRIP13	0.079	0.0618	0.991	0.34587	0.514	-6.07	0.36485	none
VWA5B2	-0.132	-0.1229	-0.991	0.34602	0.515	-6.07	0.72391	none
ZSWIM4	0.146	0.2252	0.9906	0.34607	0.515	-6.07	0.17181	none
DNAAF3	-0.123	-0.0855	-0.991	0.34608	0.515	-6.07	0.26112	none
OS9	0.197	0.2703	0.9901	0.34631	0.515	-6.07	-0.1961	none
CCDC70	0.136	0.122	0.99	0.34632	0.515	-6.07	0.52546	none
KCNV2	-0.077	-0.0392	-0.99	0.34635	0.515	-6.07	1.36394	none
S100G	0.112	0.1122	0.9898	0.34643	0.515	-6.07	0.38115	none
ACOT6	-0.113	-0.0557	-0.989	0.34661	0.515	-6.07	0.92929	none
DSE	0.144	0.1341	0.9891	0.34675	0.515	-6.07	-0.931	none
ARHGAP24	0.08	0.0809	0.9891	0.34676	0.515	-6.07	0.32509	none
PPFIA2	0.094	0.0942	0.989	0.34679	0.515	-6.07	1.66596	none
BCO1	0.077	0.0781	0.989	0.34679	0.515	-6.07	-0.8465	none
LCN2	-0.108	-0.1077	-0.989	0.34682	0.515	-6.07	0.93889	none
C2	0.147	0.0683	0.9886	0.34696	0.515	-6.07	-0.8743	none
TPTE2	0.09	0.0787	0.9885	0.34705	0.516	-6.07	-1.0165	none
CBX8	0.193	0.2271	0.9882	0.34717	0.516	-6.07	-0.6615	none
SYS1	-0.205	-0.2116	-0.988	0.34725	0.516	-6.07	1.02799	none
TAF15	0.318	0.4576	0.9879	0.3473	0.516	-6.07	-0.1179	none
ECM2	0.14	0.1007	0.9876	0.34743	0.516	-6.07	-0.1255	none
CHL1	0.108	0.1121	0.9876	0.34745	0.516	-6.07	1.15842	none
KRT78	-0.124	-0.1141	-0.987	0.34754	0.516	-6.07	1.63323	none
MYOC	-0.074	-0.0677	-0.987	0.34761	0.516	-6.07	1.12074	none
MAMSTR	-0.131	-0.0995	-0.987	0.34764	0.516	-6.07	1.93831	none
PIGS	0.114	0.0285	0.9869	0.34778	0.516	-6.07	-0.1952	none
CHST8	0.068	0.0683	0.9867	0.34786	0.516	-6.07	0.5601	none
STXBP1	-0.164	-0.0482	-0.987	0.34787	0.516	-6.07	1.38006	none
C9	0.084	0.0841	0.9865	0.34795	0.516	-6.07	1.06079	none
RBM27	0.234	0.3059	0.9864	0.34802	0.516	-6.07	0.24328	none
NUTM2F	0.077	0.0542	0.9861	0.34816	0.517	-6.07	0.35145	none
DEFB110	0.111	0.1109	0.986	0.34819	0.517	-6.07	1.19688	none
SH3PXD2B	0.067	0.0714	0.9859	0.34823	0.517	-6.07	-0.8862	none
CUL3	0.25	0.3086	0.9856	0.34839	0.517	-6.07	0.12287	none
IGFBP5	-0.085	-0.0889	-0.985	0.34852	0.517	-6.07	1.97304	none
RASSF5	0.157	0.2194	0.9852	0.34855	0.517	-6.07	0.90268	none
SP140	0.15	0.2038	0.9852	0.34858	0.517	-6.07	-0.1612	none
DRG1	-0.11	-0.1414	-0.985	0.34874	0.517	-6.07	0.9055	none
SLC37A4	0.16	0.0704	0.9848	0.34875	0.517	-6.07	0.30667	none



COL5A1	0.114	0.1401	0.9844	0.34894	0.517	-6.07	0.0189	none
ARHGEF6	0.201	0.2259	0.9843	0.34899	0.517	-6.07	0.1517	none
FCRLA	0.076	0.0848	0.9839	0.34919	0.518	-6.07	0.36921	none
LRRTM3	-0.117	-0.1174	-0.984	0.34927	0.518	-6.07	0.43974	none
ALDH18A1	-0.169	-0.0738	-0.984	0.34929	0.518	-6.07	1.58638	none
PIK3C2G	0.126	0.1321	0.9835	0.34934	0.518	-6.07	0.98959	none
CCT6A	-0.099	-0.0664	-0.983	0.34936	0.518	-6.07	1.88172	none
RAB8A	0.179	0.25	0.9833	0.34948	0.518	-6.08	-0.0176	none
ARL6IP5	0.11	0.0392	0.9829	0.34963	0.518	-6.08	-0.268	none
BORCS6	-0.078	-0.0857	-0.983	0.34965	0.518	-6.08	1.0152	none
GREB1L	0.123	0.135	0.9828	0.3497	0.518	-6.08	-0.7429	none
PATE4	0.072	0.0551	0.9827	0.34975	0.518	-6.08	0.55179	none
LRRC4C	0.209	0.1121	0.9826	0.3498	0.518	-6.08	-0.2293	none
ZRANB2	0.1	0.1024	0.9824	0.34987	0.518	-6.08	1.17112	none
TRERF1	0.129	0.1866	0.9824	0.3499	0.518	-6.08	-0.5199	none
LYG1	0.114	0.0554	0.9823	0.34992	0.518	-6.08	0.83335	none
YRDC	-0.156	-0.1503	-0.982	0.34997	0.518	-6.08	0.15771	none
SOCS5	0.094	0.0564	0.982	0.35006	0.518	-6.08	-1.1653	none
AP5M1	0.188	0.0678	0.982	0.35007	0.518	-6.08	0.54057	none
MT1A	-0.119	-0.1202	-0.982	0.3503	0.518	-6.08	0.08613	none
RAB25	0.276	0.1804	0.9814	0.35035	0.518	-6.08	-0.5593	none
PGC	-0.253	-0.1717	-0.981	0.35042	0.519	-6.08	0.45535	none
ACSBG1	0.323	0.4276	0.9811	0.35049	0.519	-6.08	0.41208	none
ILK	-0.091	-0.0872	-0.981	0.35058	0.519	-6.08	0.64563	none
KRT18	0.17	0.1448	0.9805	0.35077	0.519	-6.08	-0.7479	none
FEM1C	0.093	0.0447	0.9803	0.35086	0.519	-6.08	0.83461	none
MINK1	0.258	0.359	0.9803	0.35088	0.519	-6.08	-0.1117	none
C12ORF42	0.346	0.2355	0.9802	0.3509	0.519	-6.08	0.29562	none
OR14I1	0.069	0.0689	0.9802	0.3509	0.519	-6.08	0.60476	none
NRGN	0.108	0.1388	0.9801	0.35095	0.519	-6.08	0.91475	none
ZNF507	0.209	0.2888	0.98	0.35099	0.519	-6.08	-0.1064	none
PPIC	0.071	0.0516	0.98	0.35102	0.519	-6.08	0.07846	none
ZNF683	0.311	0.1771	0.9799	0.35103	0.519	-6.08	-0.1749	none
CRABP1	-0.091	-0.0971	-0.98	0.35108	0.519	-6.08	1.99808	none
GFRA3	0.068	0.0713	0.9798	0.35109	0.519	-6.08	-0.291	none
FTMT	0.069	0.0685	0.9797	0.35113	0.519	-6.08	-0.8746	none
FAM120A	0.215	0.292	0.9797	0.35116	0.519	-6.08	-0.1738	none
SLC38A2	-0.098	-0.1632	-0.98	0.35116	0.519	-6.08	0.6388	none
PNN	0.274	0.4287	0.9796	0.35119	0.519	-6.08	0.3455	none
PRR13	-0.098	-0.1315	-0.979	0.35126	0.519	-6.08	0.70301	none

GPHB5	0.109	0.1085	0.9794	0.3513	0.519	-6.08	1.19688	none
UBE2J1	-0.078	-0.0664	-0.979	0.35142	0.519	-6.08	0.99225	none
DLX1	0.086	0.0846	0.9789	0.35154	0.519	-6.08	-0.5588	none
XAGE1A	0.108	0.1082	0.9785	0.35172	0.519	-6.08	-0.7569	none
CDHR5	-0.072	-0.0451	-0.978	0.35183	0.52	-6.08	0.94955	none
POP4	-0.109	-0.0882	-0.978	0.35195	0.52	-6.08	1.63879	none
KCNIP4	-0.088	-0.0729	-0.978	0.35197	0.52	-6.08	1.16316	none
PCBP4	0.217	0.2561	0.9775	0.35218	0.52	-6.08	0.33577	none
MIEN1	-0.149	-0.1877	-0.977	0.35228	0.52	-6.08	1.22792	none
FUCA2	-0.11	-0.1421	-0.977	0.35231	0.52	-6.08	0.15935	none
GLS2	-0.153	-0.0817	-0.977	0.3526	0.52	-6.08	1.12991	none
C11ORF40	-0.083	-0.0892	-0.976	0.35287	0.521	-6.08	1.79234	none
HIST1H2AI	0.175	0.082	0.9757	0.35302	0.521	-6.08	1.1358	none
EIF5B	0.359	0.5285	0.9756	0.35305	0.521	-6.08	-0.0221	none
PKIA	0.13	0.1066	0.9756	0.35305	0.521	-6.08	1.11434	none
HAAO	0.123	0.1143	0.9756	0.35307	0.521	-6.08	-0.2546	none
SEMA6C	0.103	0.1329	0.9751	0.35332	0.521	-6.08	-0.3831	none
KCTD14	-0.082	-0.1003	-0.975	0.35351	0.521	-6.08	0.04134	none
POR	0.222	0.1938	0.9745	0.35358	0.521	-6.08	-0.357	none
NOMO2	-0.16	-0.0495	-0.974	0.35375	0.522	-6.08	0.46203	none
LIMA1	0.295	0.3512	0.9741	0.35379	0.522	-6.08	0.29265	none
OSTN	0.107	0.1067	0.9739	0.35386	0.522	-6.08	-0.714	none
AGT	-0.094	-0.1073	-0.974	0.35404	0.522	-6.08	1.11903	none
RIT2	0.071	0.0914	0.9732	0.35423	0.522	-6.08	0.79603	none
SERINC1	0.12	-0.0076	0.9731	0.35427	0.522	-6.08	-0.1371	none
THTPA	0.12	0.0536	0.973	0.35429	0.522	-6.08	0.73997	none
NT5DC2	0.143	0.1834	0.9727	0.35443	0.522	-6.09	-0.2123	none
LILRA4	0.106	0.1062	0.9726	0.35447	0.522	-6.09	-0.3748	none
CCSER2	0.231	0.3188	0.9726	0.35448	0.522	-6.09	0.86103	none
OR4B1	0.106	0.1062	0.9725	0.35452	0.522	-6.09	0.861	none
RBMX2	0.116	0.1466	0.9721	0.35472	0.523	-6.09	1.01719	none
NPSR1	-0.071	-0.0633	-0.972	0.35477	0.523	-6.09	-0.6262	none
ATP6V1D	0.129	0.0486	0.972	0.35477	0.523	-6.09	-0.4436	none
SBDS	0.08	0.0925	0.9717	0.35493	0.523	-6.09	0.86417	none
ALG3	-0.116	-0.1067	-0.972	0.35493	0.523	-6.09	0.77049	none
BLNK	-0.071	-0.0689	-0.972	0.35494	0.523	-6.09	1.90337	none
IFITM5	-0.119	-0.1167	-0.971	0.3553	0.523	-6.09	1.82983	none
CXORF67	-0.071	-0.0411	-0.971	0.35531	0.523	-6.09	1.65861	none
GPR62	-0.067	-0.0593	-0.971	0.35532	0.523	-6.09	0	none
MTRNR2L1	-0.084	-0.1068	-0.971	0.35537	0.523	-6.09	0.9992	none

COX7A2	-0.143	-0.2211	-0.971	0.35545	0.523	-6.09	0.24967	none
TCP11	0.111	0.1231	0.9705	0.3555	0.523	-6.09	0.76994	none
TNFSF12	0.276	0.0944	0.9703	0.35559	0.523	-6.09	-0.4952	none
ZNF222	-0.13	-0.0789	-0.97	0.35565	0.523	-6.09	1.91062	none
AMDHD2	0.185	0.0924	0.9698	0.3558	0.524	-6.09	-0.1844	none
COL22A1	0.105	0.1053	0.9698	0.3558	0.524	-6.09	-0.8743	none
GIMAP4	-0.123	-0.1413	-0.97	0.35581	0.524	-6.09	0.57354	none
FERMT1	0.112	0.1233	0.9687	0.35635	0.524	-6.09	-0.8655	none
OXGR1	-0.071	-0.0709	-0.968	0.35645	0.524	-6.09	1.38879	none
ZFAT	0.177	0.2318	0.968	0.35667	0.525	-6.09	-0.2391	none
AC145212	0.135	0.1565	0.9678	0.35678	0.525	-6.09	-0.1623	none
TTC24	0.192	0.1716	0.9674	0.35695	0.525	-6.09	-0.2149	none
MCAT	0.088	0.1214	0.9674	0.35696	0.525	-6.09	1.32267	none
CEP295NL	-0.144	-0.0904	-0.967	0.357	0.525	-6.09	1.59751	none
PDLIM2	0.127	0.0805	0.967	0.35714	0.525	-6.09	-0.0113	none
FBXO21	0.157	0.1321	0.9667	0.3573	0.525	-6.09	0.39725	none
SMIM13	0.14	0.0664	0.9665	0.35737	0.525	-6.09	-0.0589	none
JMJD7	-0.318	-0.2655	-0.966	0.35749	0.525	-6.09	0.9203	none
HPS1	0.117	0.0753	0.9659	0.35766	0.526	-6.09	0.90776	none
COQ7	0.138	0.0776	0.9658	0.35771	0.526	-6.09	-0.2757	none
FAM122A	0.092	0.0255	0.9656	0.35782	0.526	-6.09	0.40998	none
HYAL3	-0.188	-0.1282	-0.965	0.35808	0.526	-6.09	1.60398	none
NAB2	0.1	0.1231	0.9649	0.35814	0.526	-6.09	1.05044	none
HMOX2	0.119	0.1496	0.9647	0.35822	0.526	-6.09	-0.1149	none
SLC7A6OS	0.216	0.1957	0.9641	0.35852	0.527	-6.09	0.58487	none
NBEA	0.073	0.052	0.9641	0.35853	0.527	-6.09	-1.0415	none
YIPF2	0.165	0.0953	0.964	0.35855	0.527	-6.09	-0.7065	none
NFE2L1	0.3	0.4024	0.964	0.35857	0.527	-6.09	0.71314	none
BOLA1	0.157	0.0783	0.9635	0.35883	0.527	-6.09	0.23558	none
MRPS24	-0.156	-0.1797	-0.963	0.35884	0.527	-6.09	0.76265	none
FIG4	-0.14	-0.1577	-0.963	0.35895	0.527	-6.09	0.59777	none
TNPO2	0.159	0.2769	0.9631	0.359	0.527	-6.09	-0.4243	none
NPTXR	0.09	0.0802	0.9628	0.35912	0.527	-6.09	-0.5491	none
SLAMF8	-0.146	-0.1769	-0.963	0.35918	0.527	-6.09	1.49394	none
RNF13	-0.209	-0.2339	-0.963	0.35921	0.527	-6.09	1.32105	none
RBBP6	-0.156	-0.1025	-0.962	0.35946	0.528	-6.1	1.00855	none
POLR2C	0.149	0.0283	0.9621	0.35946	0.528	-6.1	0.2095	none
NUDT11	-0.134	-0.1493	-0.962	0.35953	0.528	-6.1	1.42214	none
ADGRF3	0.231	0.2393	0.9619	0.35957	0.528	-6.1	0.10194	none
SLK	0.242	0.4454	0.9619	0.35958	0.528	-6.1	0.39528	none

RBFA	-0.089	-0.069	-0.962	0.35968	0.528	-6.1	1.76154	none
C9ORF116	-0.231	-0.162	-0.962	0.35968	0.528	-6.1	0.6458	none
NOXRED1	-0.1	-0.0835	-0.961	0.35979	0.528	-6.1	0.01936	none
EME1	-0.239	-0.0364	-0.961	0.35979	0.528	-6.1	1.4751	none
CXORF51B	0.103	0.1026	0.9613	0.35988	0.528	-6.1	0.66005	none
LRRC63	0.076	0.08	0.9611	0.35994	0.528	-6.1	1.3432	none
FBXO33	0.082	0.032	0.9611	0.35996	0.528	-6.1	0.8386	none
OR5B3	-0.066	-0.047	-0.961	0.36	0.528	-6.1	0	none
TMEM14C	-0.144	-0.2121	-0.961	0.36002	0.528	-6.1	0.63522	none
SELL	-0.107	-0.1164	-0.961	0.36003	0.528	-6.1	1.69334	none
WFDC10A	0.102	0.1025	0.9608	0.36008	0.528	-6.1	0.44852	none
ASB4	0.074	0.0841	0.9604	0.36026	0.528	-6.1	-0.4354	none
CITED1	0.268	0.088	0.96	0.36046	0.528	-6.1	-0.2395	none
RNF151	0.195	0.1486	0.9599	0.36055	0.528	-6.1	-1.0507	none
GAST	-0.099	-0.0986	-0.96	0.36063	0.528	-6.1	-0.2316	none
RNF212B	-0.171	-0.0984	-0.96	0.36069	0.528	-6.1	1.17209	none
TAS2R19	-0.08	-0.0452	-0.959	0.36099	0.529	-6.1	0.68906	none
ERLEC1	0.147	0.1261	0.9587	0.36109	0.529	-6.1	-0.6641	none
GAS8	0.262	0.2641	0.9587	0.36109	0.529	-6.1	0.16708	none
FANCM	0.211	0.2309	0.9585	0.3612	0.529	-6.1	-0.5681	none
RMI1	-0.094	-0.1327	-0.958	0.36126	0.529	-6.1	0.96889	none
TAGLN3	-0.105	-0.1137	-0.958	0.36127	0.529	-6.1	-0.6876	none
MFRP	-0.123	-0.0793	-0.958	0.36134	0.529	-6.1	0.00804	none
RAD51AP1	-0.13	-0.1114	-0.958	0.3614	0.529	-6.1	0.24235	none
ICE1	0.256	0.3607	0.958	0.36142	0.529	-6.1	0.24872	none
ANKRD6	-0.157	-0.0772	-0.958	0.3616	0.529	-6.1	0.81832	none
ITGB1BP2	-0.161	-0.0426	-0.958	0.36163	0.529	-6.1	1.38224	none
MNX1	0.136	0.2089	0.9576	0.36164	0.529	-6.1	0.74043	none
HMGCS2	0.135	0.1175	0.9576	0.36165	0.529	-6.1	0.49376	none
IFT43	-0.174	-0.1073	-0.957	0.36176	0.529	-6.1	0.9846	none
ZNF330	-0.116	-0.1457	-0.957	0.36178	0.529	-6.1	1.29873	none
SCYL2	0.122	0.0969	0.9572	0.36183	0.529	-6.1	0.70617	none
CUL4B	0.146	0.1611	0.9572	0.36183	0.529	-6.1	0.55831	none
AGO1	0.153	0.2046	0.9569	0.36197	0.529	-6.1	-0.7447	none
SPRR4	0.101	0.1012	0.9567	0.36206	0.53	-6.1	-0.4	none
PITX2	0.073	0.0669	0.9563	0.36224	0.53	-6.1	-0.7671	none
COL12A1	-0.08	-0.0418	-0.956	0.36234	0.53	-6.1	0.3882	none
ANKRD24	-0.076	-0.0286	-0.956	0.3624	0.53	-6.1	1.4464	none
CNTRL	0.17	0.297	0.9559	0.36242	0.53	-6.1	0.12119	none
PLPP4	0.121	0.1181	0.9559	0.36244	0.53	-6.1	1.18623	none

PLCD4	0.264	0.3388	0.9558	0.3625	0.53	-6.1	0.06877	none
AKT1	0.126	0.1372	0.9558	0.36251	0.53	-6.1	-0.0941	none
ACP5	-0.179	-0.1792	-0.956	0.36255	0.53	-6.1	1.64971	none
TPPP2	-0.097	-0.0974	-0.955	0.36274	0.53	-6.1	0.79493	none
SYCP2	0.139	0.0715	0.9552	0.36279	0.53	-6.1	-0.5016	none
NOXO1	0.182	0.1685	0.955	0.36288	0.53	-6.1	0.95464	none
TEKT3	0.231	0.1922	0.9546	0.36305	0.53	-6.1	0.72399	none
CMC4	0.218	0.1479	0.9545	0.36314	0.531	-6.1	0.61117	none
KLF11	-0.066	-0.0154	-0.954	0.36317	0.531	-6.1	0.58261	none
TPM2	0.194	0.1314	0.9543	0.36322	0.531	-6.1	-0.8337	none
AQP2	0.079	0.083	0.9543	0.36323	0.531	-6.1	0.36474	none
TFAP2A	0.096	0.113	0.9541	0.36332	0.531	-6.1	0.92157	none
ATG4A	-0.134	-0.112	-0.954	0.36335	0.531	-6.1	1.97407	none
TMEM102	-0.087	-0.0577	-0.954	0.36335	0.531	-6.1	1.01121	none
TMPRSS5	0.136	0.156	0.9533	0.3637	0.531	-6.1	1.55781	none
HSPH1	0.343	0.5105	0.9532	0.36373	0.531	-6.1	0.61306	none
ZNF865	0.13	0.2099	0.953	0.36383	0.531	-6.1	-0.2756	none
SPINK7	-0.066	-0.0443	-0.953	0.36394	0.531	-6.1	-0.6074	none
RAB18	-0.144	-0.1919	-0.953	0.36398	0.531	-6.1	1.53765	none
OR13J1	-0.065	-0.0509	-0.953	0.36404	0.531	-6.1	0.12838	none
CUX2	0.085	0.0964	0.9524	0.36412	0.531	-6.1	-0.2278	none
SPARCL1	0.069	0.0863	0.9524	0.36412	0.531	-6.1	-0.3358	none
C4ORF47	-0.132	-0.1542	-0.952	0.36417	0.531	-6.1	1.20884	none
GRIK3	0.105	0.1084	0.9522	0.36422	0.531	-6.1	-0.4514	none
FTSJ3	0.248	0.3852	0.9521	0.36427	0.531	-6.1	0.23759	none
TNFSF13B	-0.174	-0.1116	-0.952	0.36434	0.531	-6.1	1.25253	none
CPNE2	0.11	0.0554	0.9518	0.36441	0.532	-6.1	1.393	none
MSH5-SAP	0.075	0.0853	0.9515	0.36458	0.532	-6.11	0.78767	none
LRRK2	0.135	0.1346	0.951	0.36481	0.532	-6.11	1.21341	none
RTN4RL1	0.082	0.0674	0.9506	0.36497	0.532	-6.11	-0.5447	none
SYTL3	-0.157	-0.0546	-0.951	0.365	0.532	-6.11	1.35389	none
RANGRF	-0.175	-0.2005	-0.951	0.36501	0.532	-6.11	0.96847	none
SCAF4	0.279	0.4163	0.9505	0.36505	0.532	-6.11	0.79817	none
GPR107	0.081	0.1206	0.9496	0.36547	0.533	-6.11	0.77381	none
PPP2R2A	0.103	0.1026	0.9494	0.36558	0.533	-6.11	0.00194	none
EIF5	0.144	0.2126	0.9493	0.36561	0.533	-6.11	-0.1389	none
VPS16	0.107	0.1678	0.9491	0.36573	0.533	-6.11	0.84428	none
EXO5	-0.099	-0.1685	-0.949	0.3658	0.533	-6.11	-0.6852	none
GPR17	0.116	0.116	0.9485	0.36599	0.533	-6.11	1.01342	none
MAGEE1	0.112	0.1189	0.9483	0.36612	0.533	-6.11	-0.1542	none

MT-ND3	-0.148	-0.1861	-0.948	0.36623	0.534	-6.11	0.69041	none
TSPO	-0.136	-0.1451	-0.947	0.36667	0.534	-6.11	0.88127	none
STPG3	-0.123	-0.1035	-0.947	0.36668	0.534	-6.11	1.64791	none
MTDH	0.241	0.3264	0.9466	0.36693	0.534	-6.11	0.53604	none
CYP39A1	0.082	0.0812	0.9466	0.36694	0.534	-6.11	0.74491	none
MRPL3	-0.093	-0.1336	-0.946	0.36708	0.535	-6.11	1.12175	none
RABGGTB	-0.123	-0.1908	-0.946	0.36709	0.535	-6.11	0.23467	none
CPOX	-0.173	-0.1339	-0.946	0.36715	0.535	-6.11	1.02009	none
HOXB6	0.079	0.0571	0.946	0.36721	0.535	-6.11	0.35788	none
SIGMAR1	0.096	0.0768	0.9459	0.36725	0.535	-6.11	0.61041	none
NCAPD3	0.192	0.2811	0.9459	0.36726	0.535	-6.11	0.95982	none
DCT	-0.06	-0.0343	-0.946	0.36735	0.535	-6.11	0	none
PAGR1	-0.073	-0.0882	-0.946	0.36745	0.535	-6.11	1.47899	none
KIAA1147	0.126	0.1641	0.9452	0.36759	0.535	-6.11	0.24487	none
STS	0.093	0.1166	0.9451	0.36766	0.535	-6.11	0.19953	none
ARPP21	-0.182	-0.0756	-0.945	0.36786	0.535	-6.11	0.41796	none
GALK1	-0.168	-0.189	-0.944	0.36798	0.535	-6.11	0.80055	none
KIAA0556	0.209	0.2109	0.9443	0.36804	0.535	-6.11	-0.8035	none
GAMT	-0.115	-0.1407	-0.944	0.36823	0.536	-6.11	0.71002	none
PSG2	0.308	0.261	0.9439	0.36824	0.536	-6.11	0.62269	none
PLCL2	0.147	0.2018	0.9438	0.36829	0.536	-6.11	0.22687	none
FLOT2	-0.12	-0.1321	-0.944	0.36835	0.536	-6.11	1.68054	none
TACC3	0.227	0.3297	0.9434	0.36847	0.536	-6.11	-0.0164	none
CCL3	-0.526	-0.1277	-0.943	0.36859	0.536	-6.11	0.65427	none
FBXO28	0.118	0.1116	0.9432	0.36859	0.536	-6.11	-0.118	none
EEF2K	-0.249	-0.1392	-0.943	0.36869	0.536	-6.11	-0.6134	none
CRYBB2	0.092	0.093	0.9428	0.36879	0.536	-6.11	0.46526	none
KCNE2	0.075	0.0825	0.9427	0.36882	0.536	-6.11	0.88671	none
MSMB	-0.094	-0.0938	-0.942	0.36912	0.536	-6.11	1.23273	none
PRAMEF2C	-0.094	-0.0938	-0.942	0.36914	0.536	-6.11	0.85875	none
MEIS2	-0.102	-0.0788	-0.942	0.3693	0.537	-6.11	0.90863	none
APCDD1L	-0.081	-0.0535	-0.942	0.36936	0.537	-6.11	1.08564	none
POLI	0.14	0.1175	0.9413	0.36949	0.537	-6.11	0.17005	none
KAZALD1	-0.072	-0.0884	-0.941	0.36962	0.537	-6.12	1.80404	none
ZDHHC12	-0.12	-0.0863	-0.941	0.36971	0.537	-6.12	2.24396	AA-related
PDSS2	0.131	0.0565	0.9406	0.36982	0.537	-6.12	-0.4698	none
CCSAP	0.139	0.1493	0.9405	0.3699	0.537	-6.12	0.31584	none
TRPC5	0.065	0.0384	0.9402	0.37004	0.537	-6.12	-0.7667	none
CCT6B	0.108	0.0615	0.9401	0.37009	0.537	-6.12	-0.6194	none
EPPIN-WFI	-0.064	-0.0465	-0.94	0.37009	0.537	-6.12	1.0871	none

SNAPC4	0.228	0.3066	0.9399	0.37018	0.537	-6.12	0.25407	none
ZNF764	0.089	0.0389	0.9398	0.37023	0.537	-6.12	0.35391	none
ORMDL2	-0.221	-0.3399	-0.94	0.37026	0.537	-6.12	0.9472	none
NUDT1	-0.119	-0.1847	-0.94	0.37027	0.537	-6.12	0.16236	none
CLEC12A	0.083	0.0248	0.9396	0.37035	0.538	-6.12	-0.4366	none
RPS6KA1	-0.088	-0.025	-0.939	0.37041	0.538	-6.12	1.40482	none
AC022210	-0.173	-0.0973	-0.939	0.37054	0.538	-6.12	0.92351	none
WWC2	0.105	0.0912	0.9392	0.37055	0.538	-6.12	0.06	none
OR4N5	-0.065	-0.0435	-0.939	0.37058	0.538	-6.12	0	none
MYEF2	0.209	0.1114	0.9391	0.3706	0.538	-6.12	-0.7558	none
BOK	0.084	0.0757	0.9388	0.37074	0.538	-6.12	0.37749	none
SEC14L5	-0.062	-0.0344	-0.939	0.37077	0.538	-6.12	0.96085	none
GABBR2	0.11	0.0877	0.9384	0.37093	0.538	-6.12	-0.0776	none
SLC1A3	-0.103	-0.0804	-0.938	0.37096	0.538	-6.12	1.02978	none
CTXN1	-0.072	-0.0956	-0.938	0.37108	0.538	-6.12	0.93162	none
PLD5	0.067	0.0426	0.9379	0.37115	0.538	-6.12	1.6923	none
FAM71D	-0.186	0.0157	-0.937	0.37138	0.538	-6.12	0.01789	none
MYD88	-0.094	-0.1023	-0.937	0.37143	0.538	-6.12	0.8347	none
AC006445	0.439	0.2772	0.9373	0.37145	0.538	-6.12	0.47873	none
CENPJ	0.22	0.3381	0.937	0.37159	0.539	-6.12	0.55494	none
CRYGC	-0.092	-0.0925	-0.937	0.37171	0.539	-6.12	1.9054	none
DNAL4	-0.167	-0.1632	-0.937	0.37179	0.539	-6.12	0.81817	none
MRPS11	-0.077	-0.0711	-0.937	0.3718	0.539	-6.12	-0.2083	none
PCDHGC5	0.067	0.0668	0.9365	0.37183	0.539	-6.12	-0.3646	none
CHRN2	0.16	0.1537	0.9364	0.37189	0.539	-6.12	-0.2365	none
APMAP	-0.104	-0.1375	-0.936	0.37204	0.539	-6.12	1.29681	none
ENDOD1	-0.084	-0.0344	-0.936	0.37213	0.539	-6.12	1.6292	none
SARS	-0.067	-0.0483	-0.936	0.37213	0.539	-6.12	0.29505	none
CLRN1	0.081	0.0424	0.9357	0.37226	0.539	-6.12	-0.6057	none
CDIPT	-0.113	-0.137	-0.935	0.37234	0.539	-6.12	0.52984	none
ANKAR	-0.164	-0.0969	-0.935	0.37235	0.539	-6.12	0.20801	none
CABLES2	0.165	0.2449	0.9354	0.37237	0.539	-6.12	0.7047	none
TNFRSF1B	0.134	0.166	0.9352	0.37249	0.539	-6.12	0.32632	none
HTATSF1	0.223	0.3261	0.935	0.37259	0.539	-6.12	0.68512	none
GNA15	-0.099	-0.0995	-0.935	0.37265	0.539	-6.12	1.05058	none
FLI1	0.16	0.169	0.9349	0.37265	0.539	-6.12	-0.8754	none
LILRB3	0.13	0.0601	0.9347	0.37275	0.54	-6.12	1.28775	none
MAP3K7	0.129	0.1651	0.9346	0.37278	0.54	-6.12	0.64501	none
CNTFR	-0.069	-0.0426	-0.934	0.37289	0.54	-6.12	0.75286	none
NPIPA3	0.127	0.1281	0.9344	0.37289	0.54	-6.12	1.47931	none

FAM24A	-0.092	-0.0918	-0.934	0.3731	0.54	-6.12	-0.5011	none
HSPB8	-0.079	-0.0394	-0.933	0.37335	0.54	-6.12	-0.0323	none
CXORF49	0.102	0.1144	0.9333	0.3734	0.54	-6.12	1.11704	none
CXORF49B	0.102	0.1144	0.9333	0.3734	0.54	-6.12	1.11704	none
MED7	0.12	0.0653	0.9331	0.37352	0.54	-6.12	-0.3731	none
MAP10	-0.097	-0.0359	-0.933	0.37356	0.54	-6.12	0.77295	none
POFUT2	-0.18	-0.1287	-0.933	0.37363	0.54	-6.12	0.17041	none
RAB3C	0.089	0.0873	0.9328	0.37366	0.54	-6.12	1.75078	none
CAPN14	-0.066	-0.0461	-0.933	0.37376	0.54	-6.12	0	none
TBC1D10C	-0.102	-0.1062	-0.933	0.37379	0.54	-6.12	0.41133	none
GABPA	0.142	0.1558	0.9325	0.3738	0.54	-6.12	-0.2592	none
SLC45A2	-0.103	-0.1029	-0.932	0.37388	0.54	-6.12	1.17337	none
CTSZ	-0.087	-0.0319	-0.932	0.37391	0.54	-6.12	1.58549	none
STPG2	-0.064	-0.0412	-0.932	0.37397	0.54	-6.12	1.64801	none
CAT	0.083	-0.0179	0.9321	0.374	0.54	-6.12	-0.6442	none
OR1D2	0.096	0.0921	0.9321	0.37402	0.54	-6.12	0.24304	none
SLBP	0.113	0.1361	0.9319	0.37408	0.541	-6.12	1.38233	none
TMEM238	-0.115	-0.1382	-0.932	0.37418	0.541	-6.12	0.51224	none
FBXO30	0.092	0.0464	0.9312	0.37443	0.541	-6.12	0.75165	none
ITM2C	-0.085	-0.1357	-0.931	0.37446	0.541	-6.12	0.74437	none
P2RX2	0.093	0.0611	0.9311	0.37451	0.541	-6.12	-0.1898	none
BBOX1	0.094	0.094	0.9309	0.37461	0.541	-6.12	-0.8888	none
RBM15	0.093	0.1173	0.9308	0.37466	0.541	-6.12	0.37795	none
ALG9	0.133	0.0022	0.9305	0.37479	0.541	-6.12	0.53439	none
JPH1	0.088	0.1177	0.9304	0.37483	0.541	-6.12	-0.0316	none
PRR23A	0.094	0.0939	0.9304	0.37485	0.541	-6.12	0.99131	none
SNAPC2	-0.099	-0.0797	-0.93	0.3749	0.541	-6.13	0.39253	none
C22ORF42	0.084	0.0912	0.9303	0.37491	0.541	-6.13	0.59266	none
ZNF598	0.18	0.3178	0.9296	0.37523	0.542	-6.13	0.18608	none
MIGA2	0.129	0.1063	0.9295	0.3753	0.542	-6.13	0.44386	none
PDLIM4	0.152	0.1676	0.9293	0.37538	0.542	-6.13	0.88628	none
STMN3	0.114	0.0741	0.9292	0.37542	0.542	-6.13	-0.3813	none
OSBPL5	-0.089	-0.0483	-0.929	0.37569	0.542	-6.13	0.70259	none
CXORF66	0.066	0.0663	0.9282	0.37592	0.542	-6.13	-0.129	none
CBWD5	0.09	0.011	0.928	0.37603	0.542	-6.13	0.1967	none
RNGTT	0.143	0.1031	0.9279	0.37607	0.543	-6.13	-0.8002	none
CFAP52	0.3	0.2763	0.9278	0.37615	0.543	-6.13	0.4904	none
GRIN1	0.115	0.1171	0.9275	0.37628	0.543	-6.13	0.35447	none
ENTPD6	0.171	0.1205	0.9275	0.37628	0.543	-6.13	0.33997	none
NOL10	0.22	0.2662	0.9273	0.37639	0.543	-6.13	-0.0143	none



HIST1H3C	0.483	0.2801	0.9272	0.37642	0.543	-6.13	-0.1693	none
NOP56	0.16	0.2861	0.9271	0.37645	0.543	-6.13	0.51476	none
MYCL	0.079	0.0926	0.9271	0.37646	0.543	-6.13	0.52499	none
COX4I2	0.093	0.093	0.9271	0.37647	0.543	-6.13	1.19688	none
ISX	0.068	0.0423	0.927	0.3765	0.543	-6.13	-1.317	none
MYLPF	0.333	0.2159	0.9269	0.37656	0.543	-6.13	-0.182	none
UPK2	0.078	0.0974	0.9258	0.3771	0.543	-6.13	1.5828	none
OR1J2	-0.064	-0.0427	-0.926	0.37719	0.544	-6.13	0.49761	none
PMEL	0.163	0.2582	0.9256	0.37722	0.544	-6.13	1.22934	none
GRAMD1C	0.143	0.1598	0.9255	0.37724	0.544	-6.13	0.02599	none
MTUS1	0.358	0.4025	0.9252	0.37742	0.544	-6.13	0.79564	none
NOS2	0.068	0.0524	0.9249	0.37755	0.544	-6.13	-0.5364	none
CYBA	-0.188	-0.2404	-0.925	0.37769	0.544	-6.13	0.28056	none
FBLN7	-0.112	-0.0903	-0.925	0.3777	0.544	-6.13	1.42536	none
LINS1	0.096	0.0955	0.9246	0.3777	0.544	-6.13	0.32117	none
GRIA2	-0.088	-0.0884	-0.924	0.37779	0.544	-6.13	1.58675	none
ARHGEF33	-0.192	-0.1457	-0.924	0.37805	0.544	-6.13	0.35461	none
MMP3	0.09	0.0902	0.9239	0.37807	0.544	-6.13	0.04014	none
ITGB2	-0.099	-0.0403	-0.924	0.3781	0.544	-6.13	0.97685	none
TMEM255	0.072	0.0744	0.9236	0.37819	0.544	-6.13	0.21466	none
CLIC3	-0.202	-0.1523	-0.923	0.37845	0.545	-6.13	1.64428	none
PPP1R1B	0.093	0.0817	0.923	0.37851	0.545	-6.13	-0.1276	none
AOC3	0.172	0.1941	0.9225	0.37874	0.545	-6.13	-0.3458	none
FAM204A	0.079	0.0389	0.9224	0.37877	0.545	-6.13	0.17839	none
C20ORF14	0.092	0.0918	0.9223	0.37887	0.545	-6.13	0.54171	none
SERPINA6	0.068	0.066	0.9215	0.37923	0.546	-6.13	1.52692	none
SLC25A12	0.111	0.0587	0.9211	0.37942	0.546	-6.13	0.1067	none
AC015688	-0.089	-0.0887	-0.921	0.37944	0.546	-6.13	0.92737	none
TSPAN4	0.174	0.2355	0.9211	0.37945	0.546	-6.13	-0.1908	none
MRFAP1	-0.096	-0.1061	-0.921	0.37947	0.546	-6.13	0.64748	none
SRR	0.098	-0.0107	0.9204	0.37977	0.546	-6.13	-0.3196	none
ATXN7L2	0.129	0.2307	0.9202	0.37986	0.546	-6.13	-0.4545	none
ACTR6	0.181	0.0822	0.9202	0.37987	0.546	-6.13	0.60302	none
SLC39A2	0.154	0.0787	0.9195	0.38024	0.547	-6.13	-0.4938	none
GSPT2	0.122	0.1643	0.919	0.3805	0.547	-6.14	-0.4318	none
POTEF	0.116	0.0911	0.9188	0.3806	0.547	-6.14	-0.2479	none
KHK	0.086	0.0703	0.9186	0.38068	0.547	-6.14	1.14526	none
RFX3	0.205	0.2726	0.9181	0.38093	0.548	-6.14	-0.5658	none
MATN3	0.101	0.1005	0.9179	0.38104	0.548	-6.14	-0.7204	none
PKP1	0.072	0.0762	0.9179	0.38105	0.548	-6.14	-0.6636	none

ENDOG	-0.162	-0.148	-0.918	0.38107	0.548	-6.14	0.95275	none
TOB2	0.11	0.1648	0.9177	0.38111	0.548	-6.14	0.71713	none
ACADS	0.111	0.0929	0.9172	0.38139	0.548	-6.14	0.66368	none
CHKB	0.108	0.1024	0.917	0.38146	0.548	-6.14	0.6287	none
GPR108	-0.098	-0.0613	-0.917	0.3817	0.548	-6.14	0.29607	none
UBE3B	0.099	0.0456	0.9164	0.38179	0.548	-6.14	0.09373	none
STRA8	-0.063	-0.0429	-0.916	0.38184	0.548	-6.14	1.88681	none
TSC22D3	0.256	0.1455	0.9159	0.38202	0.549	-6.14	0.25675	none
COL2A1	-0.086	-0.0991	-0.916	0.38214	0.549	-6.14	0.23047	none
ARF5	-0.138	-0.1629	-0.915	0.38223	0.549	-6.14	1.53276	none
ZFHX4	-0.182	-0.1806	-0.915	0.38238	0.549	-6.14	1.40875	none
TOP2A	0.323	0.476	0.9151	0.38241	0.549	-6.14	0.28544	none
SCRN1	-0.116	-0.0528	-0.915	0.38258	0.549	-6.14	0.27899	none
ZC3H12A	0.186	0.2877	0.9148	0.38259	0.549	-6.14	0.35558	none
TSKS	0.179	0.1323	0.9141	0.3829	0.55	-6.14	0.36152	none
OR52W1	0.078	0.0817	0.9139	0.38302	0.55	-6.14	0.93667	none
PTPRH	0.091	0.0648	0.9134	0.38327	0.55	-6.14	0.22636	none
ADAMTSL1	0.179	0.1609	0.9129	0.38352	0.55	-6.14	-0.121	none
PAQR9	0.073	0.0785	0.9129	0.38352	0.55	-6.14	-0.76	none
PAX2	0.086	0.0915	0.9126	0.38366	0.55	-6.14	1.0248	none
BPI	-0.071	-0.0652	-0.913	0.38368	0.55	-6.14	1.10458	none
MOB3C	0.098	0.1519	0.9125	0.38374	0.55	-6.14	-0.3759	none
RBM17	0.127	0.2074	0.9124	0.38377	0.55	-6.14	-0.0631	none
HAUS6	0.21	0.2456	0.9119	0.38405	0.551	-6.14	0.72788	none
RGS8	-0.113	-0.1149	-0.912	0.38412	0.551	-6.14	0.04322	none
CLCN4	-0.064	-0.0413	-0.912	0.38415	0.551	-6.14	1.43582	none
TTC9C	-0.121	-0.1633	-0.912	0.38421	0.551	-6.14	1.84487	none
CLEC5A	-0.063	-0.0419	-0.911	0.38427	0.551	-6.14	-0.7456	none
HIST1H2AI	-0.173	-0.2509	-0.911	0.38447	0.551	-6.14	0.32053	none
CCDC107	-0.103	-0.1219	-0.911	0.38465	0.551	-6.14	1.78212	none
GIP	0.089	0.089	0.9106	0.38467	0.551	-6.14	0.83946	none
MRGPRE	0.064	0.0471	0.9101	0.38492	0.552	-6.14	-1.2832	none
OTUD7A	0.155	0.1653	0.9101	0.38495	0.552	-6.14	0.9063	none
TMEM30A	0.118	0.0682	0.91	0.38496	0.552	-6.14	1.18465	none
OLFML1	0.061	0.0426	0.9099	0.38502	0.552	-6.14	0.47524	none
F2RL1	0.101	0.022	0.9098	0.38507	0.552	-6.14	0.22653	none
PLB1	-0.119	-0.165	-0.909	0.38527	0.552	-6.14	1.67372	none
CYP11A1	0.153	0.1177	0.909	0.38547	0.552	-6.14	-0.3246	none
NKX2-6	0.088	0.0885	0.9086	0.3857	0.552	-6.14	-0.71	none
PPP1R8	0.159	0.0871	0.9084	0.38576	0.553	-6.15	-0.2836	none

FSIP1	0.076	0.0288	0.9082	0.38587	0.553	-6.15	0.02324	none
RPL9	-0.165	-0.2445	-0.908	0.3859	0.553	-6.15	0.82223	none
DRICH1	0.081	0.0451	0.908	0.38598	0.553	-6.15	0.98676	none
NFKB1	0.176	0.2769	0.9078	0.38608	0.553	-6.15	-0.0887	none
LRRC45	0.135	0.1805	0.9077	0.38614	0.553	-6.15	-0.0385	none
FAM86B2	0.263	0.1904	0.9074	0.38629	0.553	-6.15	0.74523	none
GCGR	-0.077	-0.056	-0.907	0.38629	0.553	-6.15	1.34322	none
CMTR2	0.139	0.0791	0.9073	0.38635	0.553	-6.15	0.72713	none
NYX	-0.081	-0.0556	-0.907	0.38637	0.553	-6.15	0.88075	none
CSRNP3	-0.108	-0.1076	-0.906	0.38682	0.554	-6.15	-0.2684	none
PUM3	0.218	0.3324	0.9062	0.38691	0.554	-6.15	0.49596	none
ARL2-SNX:	0.075	0.0803	0.9055	0.38725	0.554	-6.15	0.46135	none
CCL26	-0.085	-0.0851	-0.905	0.3874	0.554	-6.15	-0.2281	none
TMEM35B	-0.122	-0.234	-0.905	0.38751	0.554	-6.15	1.21771	none
HHLA1	0.161	0.1824	0.9048	0.38758	0.554	-6.15	0.11558	none
LTB	0.143	0.1342	0.9046	0.3877	0.555	-6.15	0.25319	none
QSOX1	-0.092	-0.0331	-0.904	0.3878	0.555	-6.15	1.36941	none
EPHX3	0.064	0.0721	0.9042	0.38789	0.555	-6.15	0.58211	none
NIP7	0.097	-0.0031	0.9038	0.38809	0.555	-6.15	-0.9283	none
IL23A	-0.08	-0.0303	-0.903	0.38829	0.555	-6.15	0.62411	none
ZNF706	-0.126	-0.1736	-0.903	0.38837	0.555	-6.15	0.30656	none
ANXA9	0.102	0.1483	0.9032	0.38841	0.555	-6.15	-0.2037	none
UGT1A7	0.075	0.0809	0.903	0.38852	0.555	-6.15	0.84138	none
IFI16	0.313	0.4087	0.9028	0.38859	0.555	-6.15	0.48107	none
PPP2R1B	0.239	0.1137	0.9027	0.38863	0.555	-6.15	-0.8067	none
SORBS3	0.114	0.0803	0.9026	0.38869	0.555	-6.15	0.56721	none
HTRA1	0.062	0.0645	0.9024	0.38882	0.556	-6.15	1.2718	none
GOLGA6A	0.062	0.0644	0.9014	0.3893	0.556	-6.15	-0.1228	none
TMX4	0.168	0.0687	0.9011	0.38946	0.556	-6.15	1.12528	none
PDCD6	-0.109	-0.1183	-0.901	0.38967	0.557	-6.15	0.55982	none
CYB561D2	-0.129	-0.1236	-0.9	0.38992	0.557	-6.15	0.59615	none
ZFAND6	-0.137	-0.2027	-0.9	0.38995	0.557	-6.15	0.84663	none
VCP	-0.098	-0.0529	-0.9	0.38997	0.557	-6.15	1.47558	none
REG1A	0.086	0.0865	0.8998	0.39013	0.557	-6.15	0.28046	none
MT-ND1	0.164	0.1871	0.8996	0.39021	0.557	-6.15	0.18992	none
ORAI3	0.089	0.0741	0.8991	0.39049	0.558	-6.15	-0.2725	none
IFITM10	0.086	0.1184	0.8989	0.39055	0.558	-6.15	0.92068	none
NAALAD2	0.065	0.0748	0.8984	0.39081	0.558	-6.15	0.75975	none
B4GALNT4	-0.116	-0.0986	-0.898	0.39103	0.558	-6.15	1.87243	none
RBP2	0.096	0.094	0.8979	0.39107	0.558	-6.15	0.44088	none

RFPL1	-0.069	-0.0048	-0.898	0.3911	0.558	-6.15	0.13082	none
PLAC8	-0.154	-0.2306	-0.898	0.39124	0.558	-6.15	0.51917	none
FRG1	-0.096	-0.0852	-0.898	0.39127	0.558	-6.15	0.71692	none
ADAMTSL1	-0.071	-0.0726	-0.897	0.3914	0.558	-6.16	0.71239	none
IFI27L1	-0.204	-0.2233	-0.897	0.39142	0.558	-6.16	0.12348	none
IRX1	-0.063	-0.0547	-0.897	0.39143	0.558	-6.16	0	none
DUSP13	-0.091	-0.0978	-0.897	0.39148	0.558	-6.16	0.60746	none
SLC15A2	0.121	0.0759	0.897	0.39154	0.559	-6.16	0.47448	none
CPNE1	0.08	0.0501	0.8968	0.39163	0.559	-6.16	-0.8242	none
TMX2	-0.117	-0.1477	-0.897	0.39164	0.559	-6.16	1.79856	none
CARD17	0.178	-0.0592	0.8966	0.39172	0.559	-6.16	0.57062	none
C20ORF96	-0.161	-0.0892	-0.896	0.39182	0.559	-6.16	1.85057	none
ARHGEF9	0.219	0.2795	0.8964	0.39182	0.559	-6.16	-0.4517	none
ASB1	0.181	0.1294	0.8963	0.3919	0.559	-6.16	0.28787	none
COL16A1	0.121	0.1585	0.8959	0.3921	0.559	-6.16	-0.582	none
GBP1	0.235	0.2744	0.8954	0.39234	0.559	-6.16	0.36649	none
TRNP1	0.075	0.0719	0.8953	0.39241	0.559	-6.16	-0.5868	none
LHX6	0.266	0.2132	0.8951	0.39249	0.559	-6.16	-0.8792	none
ARL6IP6	-0.182	-0.2235	-0.895	0.39262	0.56	-6.16	1.11681	none
CFHR3	0.08	0.0692	0.8946	0.39275	0.56	-6.16	0.88077	none
ZNF618	0.068	0.0731	0.8944	0.39286	0.56	-6.16	0.46139	none
CA11	0.099	0.1472	0.8941	0.39299	0.56	-6.16	0.52765	none
PDC	-0.063	-0.0545	-0.894	0.39299	0.56	-6.16	0	none
AURKC	0.126	0.1322	0.8938	0.39316	0.56	-6.16	0.26524	none
BBX	0.226	0.3093	0.8937	0.3932	0.56	-6.16	0.18089	none
SARNP	-0.074	-0.0577	-0.894	0.39323	0.56	-6.16	-0.0493	none
DDIT3	0.188	0.149	0.8937	0.39324	0.56	-6.16	0.09244	none
ECHDC3	0.155	0.115	0.8936	0.39329	0.56	-6.16	1.2043	none
SCGN	0.088	0.0876	0.8935	0.39331	0.56	-6.16	1.07554	none
FEV	-0.106	-0.0831	-0.894	0.39331	0.56	-6.16	-0.134	none
CXADR	0.157	0.1679	0.8935	0.39332	0.56	-6.16	-0.0063	none
MYCBP	-0.179	-0.1369	-0.893	0.39337	0.56	-6.16	1.43901	none
PRAMEF14	0.088	0.0867	0.8934	0.39339	0.56	-6.16	0.00397	none
IKZF4	0.14	0.1266	0.8931	0.39354	0.56	-6.16	-0.5744	none
PTRHD1	-0.16	-0.2037	-0.893	0.39368	0.56	-6.16	0.46235	none
CDK5R1	-0.081	-0.0815	-0.892	0.39387	0.561	-6.16	-0.1611	none
PTK2B	0.154	0.2138	0.892	0.39409	0.561	-6.16	-0.2574	none
FAM114A1	-0.114	-0.0879	-0.892	0.39418	0.561	-6.16	0.42727	none
EFR3A	0.125	0.0619	0.8917	0.39421	0.561	-6.16	0.46834	none
GPC1	-0.162	-0.0734	-0.892	0.39429	0.561	-6.16	0.29118	none

UPRT	-0.131	-0.1252	-0.891	0.39439	0.561	-6.16	1.32833	none
CDC7	0.159	0.03	0.8913	0.39445	0.561	-6.16	-0.7909	none
STX19	0.063	0.0437	0.8912	0.39449	0.561	-6.16	1.02951	none
PYM1	-0.074	-0.0107	-0.891	0.39454	0.561	-6.16	0.231	none
CXCL6	-0.082	-0.0821	-0.891	0.39454	0.561	-6.16	1.9054	none
SMPD4	0.115	0.2007	0.8911	0.39455	0.561	-6.16	0.88259	none
TRPV2	0.121	0.0853	0.8909	0.39465	0.561	-6.16	-0.6036	none
ACKR3	-0.164	-0.1159	-0.891	0.39473	0.561	-6.16	1.51076	none
TNFSF9	-0.133	-0.1561	-0.891	0.3948	0.561	-6.16	0.87372	none
SMARCAD	0.169	0.2103	0.8904	0.39489	0.561	-6.16	0.11419	none
RASL11A	-0.207	-0.2861	-0.89	0.39495	0.561	-6.16	-0.1838	none
NEBL	0.2	0.3134	0.8902	0.395	0.561	-6.16	-0.0285	none
HAUS7	0.14	0.0948	0.8902	0.39501	0.561	-6.16	-0.9935	none
ZFR2	0.16	0.0697	0.8902	0.39502	0.561	-6.16	0.13799	none
AC118758	-0.314	-0.1932	-0.89	0.39505	0.561	-6.16	1.83154	none
EDN3	0.06	0.0599	0.8899	0.39515	0.561	-6.16	1.4015	none
FNBP1L	0.117	0.1688	0.8897	0.39525	0.561	-6.16	0.64734	none
CSF1R	0.204	0.215	0.8896	0.3953	0.562	-6.16	-0.6402	none
NTHL1	-0.088	-0.0758	-0.889	0.39542	0.562	-6.16	0.54549	none
CCR2	-0.116	-0.1022	-0.889	0.39565	0.562	-6.16	0.58695	none
PHF24	0.083	0.0887	0.8885	0.39587	0.562	-6.16	1.40049	none
LRIG3	0.084	0.0885	0.8883	0.39596	0.562	-6.16	-0.6186	none
CHAD	-0.068	-0.0373	-0.888	0.396	0.562	-6.16	0.85085	none
RAI2	-0.105	-0.0598	-0.888	0.39601	0.562	-6.16	0.79909	none
MZB1	0.115	0.0528	0.8881	0.39607	0.562	-6.16	0.03253	none
LINGO3	-0.093	-0.0398	-0.888	0.39629	0.563	-6.16	1.71951	none
PRMT6	0.09	0.0353	0.8875	0.39638	0.563	-6.16	-0.1005	none
PPTC7	0.076	0.0132	0.8873	0.39649	0.563	-6.16	0.0855	none
UGP2	-0.064	-0.0791	-0.887	0.39655	0.563	-6.16	1.35243	none
TMEM86A	-0.127	-0.1009	-0.887	0.39656	0.563	-6.16	-0.3577	none
LRIT2	0.061	0.061	0.8871	0.39657	0.563	-6.16	0.99008	none
SNPH	0.11	0.1201	0.8867	0.3968	0.563	-6.16	0.10348	none
POLA1	0.26	0.3504	0.8867	0.3968	0.563	-6.16	0.46997	none
CPNE6	-0.081	-0.0604	-0.887	0.39687	0.563	-6.16	2.2982	AA-related
CHRND	-0.058	-0.0342	-0.886	0.39703	0.563	-6.16	0	none
PPIE	0.078	0.0408	0.8862	0.39705	0.563	-6.16	-0.5122	none
ZNF592	0.228	0.3563	0.886	0.39713	0.563	-6.17	-0.3539	none
PTPRCAP	-0.132	-0.1706	-0.886	0.39721	0.563	-6.17	1.41237	none
CCR9	-0.073	-0.0768	-0.886	0.39723	0.563	-6.17	1.2634	none
LYPD2	-0.061	-0.0404	-0.886	0.39735	0.563	-6.17	0	none

NACA2	0.168	0.1375	0.8854	0.39744	0.563	-6.17	1.25226	none
HAL	-0.134	-0.0411	-0.885	0.39745	0.563	-6.17	0.46421	none
TGDS	-0.105	-0.1469	-0.885	0.39753	0.564	-6.17	1.18174	none
TMEM196	0.081	0.083	0.8852	0.39758	0.564	-6.17	1.29681	none
MAT2A	-0.094	-0.0696	-0.885	0.39762	0.564	-6.17	0.71372	none
JAGN1	-0.139	-0.1803	-0.885	0.39791	0.564	-6.17	1.67914	none
HORMAD1	-0.129	-0.0983	-0.884	0.398	0.564	-6.17	0.61052	none
SPANXC	-0.167	-0.1562	-0.884	0.39801	0.564	-6.17	0.35013	none
MTUS2	-0.108	-0.0837	-0.884	0.39812	0.564	-6.17	1.6632	none
PPP2R5B	0.129	0.1606	0.8841	0.39813	0.564	-6.17	-0.0481	none
STARD5	-0.221	-0.1074	-0.884	0.39813	0.564	-6.17	1.40177	none
TULP3	0.161	0.147	0.8839	0.39824	0.564	-6.17	0.39195	none
TYRP1	-0.081	-0.0806	-0.883	0.39847	0.564	-6.17	1.14241	none
FAM83A	-0.21	-0.2304	-0.883	0.39879	0.565	-6.17	0.52485	none
ADIPOR2	0.132	0.1268	0.8827	0.39884	0.565	-6.17	-0.4067	none
ID1	-0.118	-0.1022	-0.883	0.39893	0.565	-6.17	1.43431	none
HOXC10	0.083	0.0827	0.8825	0.39895	0.565	-6.17	0.63623	none
ABHD14A	0.135	-0.0031	0.8825	0.39896	0.565	-6.17	0.46321	none
CCL13	-0.08	-0.0804	-0.882	0.39897	0.565	-6.17	1.9054	none
ATAD3B	0.12	0.1819	0.8824	0.39898	0.565	-6.17	0.20447	none
ODF4	0.06	0.0604	0.8823	0.39903	0.565	-6.17	1.54859	none
LAT	-0.105	-0.0991	-0.882	0.39905	0.565	-6.17	0.44139	none
BCL2	-0.107	-0.0655	-0.882	0.39909	0.565	-6.17	1.00333	none
SMARCD1	-0.167	-0.1568	-0.882	0.39913	0.565	-6.17	0.56381	none
ASIC1	0.151	0.1742	0.882	0.39921	0.565	-6.17	1.0464	none
PAF1	0.16	0.2407	0.882	0.39921	0.565	-6.17	0.61562	none
TRIM54	-0.071	-0.0359	-0.882	0.39923	0.565	-6.17	0.11852	none
IL20RA	0.083	0.0825	0.8816	0.39942	0.565	-6.17	-0.8671	none
CCDC116	0.106	0.0987	0.8815	0.39947	0.565	-6.17	-0.6504	none
VAPA	-0.109	-0.1305	-0.881	0.39961	0.565	-6.17	1.37446	none
MEX3D	0.096	0.1402	0.8812	0.39961	0.565	-6.17	0.54302	none
ADGRE3	-0.112	-0.1124	-0.881	0.39971	0.565	-6.17	2.15035	AA-related
METTL17	0.095	0.0686	0.8808	0.39984	0.565	-6.17	0.64788	none
TRIM17	-0.059	-0.0271	-0.881	0.39984	0.565	-6.17	1.07357	none
AKAP3	-0.116	-0.0323	-0.881	0.39995	0.565	-6.17	0.39782	none
HTR1A	-0.08	-0.0797	-0.879	0.40064	0.566	-6.17	2.05429	none
KRT1	0.09	0.0978	0.8787	0.40089	0.567	-6.17	1.64245	none
IFT46	0.101	0.0271	0.8786	0.40096	0.567	-6.17	1.23215	none
IGSF11	-0.16	-0.1311	-0.878	0.40103	0.567	-6.17	-0.4135	none
DKK2	0.061	0.0552	0.8783	0.40109	0.567	-6.17	0	none

GJB6	0.152	0.1048	0.8781	0.40122	0.567	-6.17	0.87636	none
SYNDIG1L	0.063	0.0746	0.8781	0.40124	0.567	-6.17	-0.7199	none
BMX	0.082	0.0817	0.8779	0.40131	0.567	-6.17	1.19688	none
POGK	0.125	0.1655	0.8778	0.40138	0.567	-6.17	1.02123	none
SPDYE6	0.239	0.2685	0.8774	0.40159	0.567	-6.17	0.60262	none
AC107081	0.088	0.1175	0.8773	0.40162	0.567	-6.17	0.40726	none
ANKRD13E	0.229	0.2751	0.8773	0.40163	0.567	-6.17	-0.0013	none
GORASP1	0.083	0.1677	0.8772	0.40169	0.567	-6.17	0.72794	none
C19ORF12	0.065	0.0249	0.8771	0.40171	0.567	-6.17	0.04813	none
UBN1	0.205	0.335	0.8771	0.40173	0.567	-6.17	0.24407	none
GK	0.079	0.0064	0.8769	0.40181	0.567	-6.17	-0.0473	none
TRIT1	-0.128	-0.0923	-0.877	0.40188	0.567	-6.17	0.32361	none
ZNF534	0.117	0.0683	0.8766	0.40198	0.567	-6.17	-0.3451	none
CCDC102A	-0.122	-0.0247	-0.877	0.40201	0.567	-6.17	0.88333	none
CXCL17	0.108	0.0777	0.8765	0.40206	0.567	-6.17	0.03167	none
NEUROD2	0.148	0.0794	0.8764	0.40209	0.567	-6.17	-0.0697	none
HCRT	0.134	0.0938	0.8763	0.40215	0.567	-6.17	0.50621	none
OR11L1	-0.079	-0.0791	-0.876	0.4023	0.568	-6.17	0.64435	none
EMC9	0.166	0.0948	0.8758	0.4024	0.568	-6.17	-0.8112	none
OR56A3	-0.067	-0.0556	-0.876	0.40248	0.568	-6.17	0.81278	none
GOLGA6L1	0.082	0.0549	0.8755	0.40254	0.568	-6.17	0.28888	none
KIN	0.094	0.0571	0.8753	0.40267	0.568	-6.17	0.6775	none
SPOCK1	0.103	0.1684	0.8749	0.40285	0.568	-6.17	-0.2214	none
CCNA1	-0.073	-0.0667	-0.874	0.40346	0.569	-6.18	0.88832	none
CCL11	-0.079	-0.0787	-0.874	0.40353	0.569	-6.18	2.13744	AA-related
TMPRSS2	-0.155	-0.1266	-0.874	0.40354	0.569	-6.18	2.08895	none
ARAP3	-0.089	-0.0534	-0.874	0.40357	0.569	-6.18	-0.1791	none
TMEM147	-0.157	-0.1698	-0.873	0.40368	0.569	-6.18	1.43293	none
PLAA	-0.104	-0.045	-0.873	0.40377	0.569	-6.18	1.98196	none
TRPC5OS	-0.069	-0.0658	-0.873	0.4039	0.569	-6.18	1.9792	none
DCXR	-0.096	-0.112	-0.873	0.40403	0.569	-6.18	1.53633	none
PGA4	0.076	0.1187	0.8727	0.40403	0.569	-6.18	-0.3144	none
TSC22D2	0.183	0.225	0.8726	0.40406	0.569	-6.18	0.47002	none
SSBP4	-0.145	-0.1169	-0.872	0.40412	0.569	-6.18	0.63529	none
KRT10	-0.093	-0.0778	-0.872	0.40415	0.569	-6.18	1.22987	none
OXR1	0.157	0.2241	0.8722	0.40426	0.57	-6.18	-0.0343	none
ANTXR1	0.107	0.1122	0.872	0.40439	0.57	-6.18	0.63746	none
MBLAC1	0.12	0.0047	0.8715	0.40466	0.57	-6.18	0.00662	none
SLC5A2	0.136	0.1009	0.8714	0.4047	0.57	-6.18	1.32434	none
AL513523	-0.059	-0.0311	-0.871	0.40475	0.57	-6.18	1.61352	none

GAGE10	0.08	0.0804	0.8712	0.40479	0.57	-6.18	1.52574	none
PRL	-0.08	-0.0516	-0.871	0.40485	0.57	-6.18	-0.4674	none
SERINC4	-0.102	-0.0745	-0.871	0.40487	0.57	-6.18	1.1658	none
CT45A6	0.08	0.0803	0.8708	0.40499	0.57	-6.18	1.00727	none
KRT27	0.08	0.0803	0.8708	0.40499	0.57	-6.18	1.19688	none
OR3A1	0.11	0.0952	0.8707	0.40504	0.57	-6.18	-0.7339	none
MPC1	-0.174	-0.2508	-0.87	0.40525	0.57	-6.18	0.39964	none
ISOC1	-0.121	-0.124	-0.87	0.40528	0.57	-6.18	0.60313	none
CYP19A1	-0.199	-0.227	-0.87	0.40531	0.57	-6.18	-0.447	none
PSME3	-0.125	-0.1066	-0.87	0.4054	0.57	-6.18	1.16847	none
EVX1	0.091	0.1037	0.869	0.40594	0.571	-6.18	-0.8091	none
ALG13	-0.149	-0.2459	-0.868	0.40622	0.572	-6.18	0.33939	none
GLYATL1	0.168	0.0761	0.8683	0.40628	0.572	-6.18	-0.2654	none
FMR1NB	-0.1	-0.0898	-0.868	0.40653	0.572	-6.18	1.29506	none
USP17L7	0.059	0.0418	0.8678	0.40656	0.572	-6.18	0	none
SETD1A	0.223	0.384	0.8677	0.40658	0.572	-6.18	0.07955	none
C1QTNF7	0.065	0.0684	0.8674	0.40677	0.572	-6.18	1.10778	none
TPPP3	-0.104	-0.0355	-0.867	0.40686	0.572	-6.18	0.58715	none
XPNPEP2	-0.067	-0.0438	-0.867	0.40691	0.572	-6.18	0.61382	none
PCBD1	-0.154	-0.1475	-0.867	0.40694	0.572	-6.18	1.37026	none
FDCSP	-0.077	-0.0773	-0.867	0.40722	0.573	-6.18	1.9054	none
OAT	0.085	-0.034	0.8664	0.40729	0.573	-6.18	0.23808	none
VAV2	0.138	0.2173	0.8663	0.40731	0.573	-6.18	-0.2444	none
APOC3	0.079	0.0802	0.8662	0.4074	0.573	-6.18	0.8025	none
POLR3G	-0.145	-0.1053	-0.866	0.40756	0.573	-6.18	1.06982	none
ARMC1	-0.133	-0.1681	-0.866	0.40757	0.573	-6.18	0.52924	none
SDAD1	0.264	0.3041	0.8653	0.40787	0.573	-6.18	-0.2936	none
CKMT2	0.245	0.1941	0.8651	0.40797	0.573	-6.18	-0.8787	none
PIANP	-0.065	-0.0392	-0.865	0.40801	0.573	-6.18	1.37377	none
IGSF3	0.124	0.1135	0.8648	0.40813	0.573	-6.18	-0.0899	none
PRPF40A	0.238	0.3508	0.8647	0.40818	0.573	-6.18	0.47809	none
LGALS9	-0.178	-0.2069	-0.865	0.40826	0.573	-6.18	0.61491	none
HIST1H3J	-0.3	-0.3381	-0.864	0.40832	0.573	-6.18	1.5622	none
TG	-0.123	-0.0504	-0.864	0.40835	0.573	-6.18	0.27824	none
NUDT18	-0.118	-0.1113	-0.864	0.4084	0.574	-6.18	0.4842	none
PPT1	-0.13	-0.1493	-0.864	0.40853	0.574	-6.18	1.34765	none
GSTM2	0.126	0.0473	0.8637	0.40867	0.574	-6.18	-0.6188	none
LEFTY1	-0.147	-0.0822	-0.864	0.40868	0.574	-6.18	0.59395	none
GAB4	-0.062	-0.0615	-0.864	0.40872	0.574	-6.18	0.57238	none
GUCA2B	0.079	0.0789	0.8636	0.40873	0.574	-6.18	0.44852	none



CADM4	-0.084	-0.083	-0.864	0.40879	0.574	-6.18	0.95784	none
KIAA0040	0.147	0.1931	0.8635	0.40881	0.574	-6.18	0.03906	none
GYS1	0.133	0.2297	0.8635	0.40882	0.574	-6.18	0.92698	none
CPA6	0.062	0.062	0.8633	0.40888	0.574	-6.18	0.76829	none
HOXA11	0.062	0.0622	0.8633	0.40892	0.574	-6.18	0	none
HIST1H2AI	-0.195	-0.1816	-0.863	0.40893	0.574	-6.18	1.42628	none
S100P	0.169	0.0317	0.8632	0.40898	0.574	-6.19	1.28066	none
INTS7	0.109	0.0755	0.8631	0.40899	0.574	-6.19	-0.2639	none
HMOX1	0.082	0.0871	0.8631	0.40902	0.574	-6.19	0.55482	none
IL21	-0.158	-0.167	-0.863	0.40918	0.574	-6.19	1.4096	none
A1CF	0.078	0.0499	0.8627	0.40921	0.574	-6.19	0.12959	none
TST	-0.267	-0.2897	-0.863	0.40926	0.574	-6.19	1.94894	none
NSMCE2	0.111	0.0496	0.8626	0.40928	0.574	-6.19	-0.428	none
SLX1B	0.115	0.0024	0.8624	0.40938	0.574	-6.19	-0.8176	none
RRS1	0.129	0.174	0.862	0.4096	0.574	-6.19	0.52336	none
IQCF5	0.079	0.0785	0.8618	0.40967	0.574	-6.19	-0.9162	none
BCL6	0.169	0.2535	0.8618	0.40969	0.574	-6.19	-0.3477	none
CBX6	0.17	0.3205	0.8615	0.40985	0.574	-6.19	-0.4196	none
CDRT1	0.113	0.1244	0.8611	0.41008	0.575	-6.19	-0.1255	none
LGALS13	0.078	0.0784	0.861	0.41009	0.575	-6.19	0.66005	none
SPIRE1	-0.12	-0.018	-0.861	0.41015	0.575	-6.19	-0.0632	none
FIGNL1	-0.126	-0.102	-0.861	0.4103	0.575	-6.19	-0.0854	none
SLC25A19	-0.085	-0.0516	-0.86	0.41039	0.575	-6.19	0.69729	none
NOP58	0.185	0.2487	0.8603	0.41049	0.575	-6.19	0.53492	none
ALDOC	-0.111	-0.0792	-0.86	0.41062	0.575	-6.19	0.90752	none
USO1	0.167	0.1956	0.8599	0.41066	0.575	-6.19	0.7035	none
SUSD3	0.095	0.0419	0.8598	0.41074	0.575	-6.19	0.08007	none
NFIL3	-0.085	-0.0142	-0.86	0.41076	0.575	-6.19	1.69043	none
YIF1A	-0.147	-0.1908	-0.86	0.41077	0.575	-6.19	0.62849	none
EMSY	0.138	0.2427	0.8595	0.41087	0.575	-6.19	0.55793	none
KDM3A	0.213	0.2821	0.8591	0.41113	0.576	-6.19	-0.7291	none
GAS2L2	-0.059	-0.0488	-0.859	0.41122	0.576	-6.19	1.29326	none
FGR	0.106	0.1276	0.8587	0.41129	0.576	-6.19	0.21867	none
FBXW7	0.243	0.3539	0.8584	0.41148	0.576	-6.19	0.84091	none
TMEM70	-0.125	-0.144	-0.858	0.41152	0.576	-6.19	1.35697	none
NT5C	0.09	0.0571	0.8582	0.41156	0.576	-6.19	1.41802	none
TMPRSS4	0.172	0.0819	0.8578	0.41179	0.576	-6.19	-0.5486	none
PDLIM7	0.096	0.1394	0.8577	0.41186	0.576	-6.19	0.14681	none
MALT1	0.184	0.1054	0.8576	0.41189	0.576	-6.19	0.01033	none
SLC12A5	-0.283	-0.2133	-0.858	0.41191	0.576	-6.19	0.85946	none

PLA2G1B	-0.111	-0.104	-0.857	0.41195	0.576	-6.19	0.62456	none
ADAD1	-0.101	-0.1014	-0.857	0.41201	0.576	-6.19	0.63836	none
HOXA7	0.091	0.0946	0.8568	0.41229	0.577	-6.19	-0.3275	none
PKDCC	0.171	0.1707	0.8568	0.41232	0.577	-6.19	0.57062	none
HIST2H2A	-0.539	-0.4339	-0.857	0.41233	0.577	-6.19	1.24856	none
EXOSC9	-0.126	-0.0859	-0.857	0.4124	0.577	-6.19	0.70195	none
GRK5	0.173	0.2413	0.8564	0.41254	0.577	-6.19	-0.3017	none
OR52K2	0.058	0.0582	0.8563	0.41257	0.577	-6.19	0.59355	none
SPAG6	0.081	0.0786	0.856	0.41273	0.577	-6.19	0.44486	none
FABP1	-0.113	-0.1237	-0.856	0.41274	0.577	-6.19	-0.0121	none
FRMD6	-0.138	-0.132	-0.856	0.41291	0.577	-6.19	1.63002	none
NPHP3-AC	0.07	0.0928	0.8556	0.41293	0.577	-6.19	0.32129	none
CLDN3	-0.071	-0.0546	-0.856	0.41296	0.577	-6.19	0.33276	none
TRAT1	-0.127	-0.2378	-0.855	0.41305	0.577	-6.19	0.7302	none
LIMS2	0.109	0.0935	0.8554	0.41305	0.577	-6.19	-0.5724	none
ADARB1	0.273	0.24	0.8552	0.41317	0.577	-6.19	-0.1539	none
GBX1	0.071	0.0801	0.855	0.41327	0.577	-6.19	0.24643	none
SULT4A1	0.106	0.114	0.8549	0.41329	0.577	-6.19	-0.624	none
SP100	0.15	0.1812	0.8549	0.41331	0.577	-6.19	0.29251	none
TPTE	-0.07	-0.0696	-0.855	0.41347	0.578	-6.19	1.1485	none
MAX	-0.098	-0.1467	-0.855	0.4135	0.578	-6.19	-0.0712	none
STXBP4	0.144	0.0477	0.8544	0.41359	0.578	-6.19	0.17394	none
RBBP8	0.295	0.4172	0.8542	0.41368	0.578	-6.19	0.42608	none
HSPB11	-0.124	-0.2253	-0.854	0.41391	0.578	-6.19	0.36776	none
LCP2	0.168	0.1923	0.8537	0.41396	0.578	-6.19	-0.8116	none
DLL3	-0.143	-0.1036	-0.854	0.414	0.578	-6.19	1.79883	none
SRSF4	0.17	0.2516	0.8531	0.41426	0.578	-6.19	1.00272	none
ING3	0.105	0.0899	0.853	0.4143	0.578	-6.19	0.4272	none
LSM7	0.14	0.078	0.852	0.41482	0.579	-6.19	-0.5989	none
KIF5A	0.071	0.0654	0.852	0.41483	0.579	-6.19	0.52389	none
LAMA4	-0.127	-0.0873	-0.852	0.41496	0.579	-6.19	0.94734	none
TMPRSS11	-0.062	-0.0643	-0.852	0.41511	0.579	-6.2	0	none
MRPL52	-0.127	-0.1546	-0.851	0.41522	0.579	-6.2	1.20722	none
BCL2L12	-0.132	-0.1382	-0.851	0.41537	0.58	-6.2	1.08948	none
MAOB	-0.128	-0.0883	-0.851	0.41548	0.58	-6.2	0.21675	none
PRPF18	-0.109	-0.1369	-0.851	0.41562	0.58	-6.2	0.45293	none
SDHA	0.09	0.105	0.8503	0.41573	0.58	-6.2	0.87324	none
MXD4	-0.083	-0.0736	-0.85	0.4159	0.58	-6.2	0.72365	none
FOLH1	0.058	0.039	0.85	0.41592	0.58	-6.2	-0.3176	none
GGTLC1	0.062	0.0337	0.8496	0.41611	0.58	-6.2	0.20297	none

KRTAP19-1	-0.074	-0.0743	-0.849	0.41617	0.58	-6.2	2.06233	none
HTT	0.244	0.2985	0.8492	0.41633	0.58	-6.2	0.93788	none
TUBGCP3	0.096	0.0985	0.8492	0.41633	0.58	-6.2	1.69208	none
TMEM109	-0.102	-0.0772	-0.849	0.41633	0.58	-6.2	1.09979	none
MEIOB	0.064	0.0638	0.849	0.41645	0.58	-6.2	1.23395	none
IQCA1L	0.086	0.0995	0.8486	0.41663	0.581	-6.2	-0.0882	none
C17ORF58	-0.172	-0.0798	-0.849	0.41663	0.581	-6.2	1.12499	none
GALNT2	0.133	0.168	0.8486	0.41664	0.581	-6.2	0.35039	none
ANKRD36E	0.138	0.0348	0.8485	0.41671	0.581	-6.2	0.11074	none
BRWD3	0.176	0.2666	0.8481	0.41693	0.581	-6.2	0.77058	none
LDHC	0.151	0.0298	0.8474	0.4173	0.581	-6.2	-0.7064	none
ERICH4	0.076	0.0757	0.8468	0.41761	0.582	-6.2	-0.4532	none
SLC28A1	-0.09	-0.0981	-0.847	0.41767	0.582	-6.2	-0.2481	none
DRG2	0.072	0.0801	0.8466	0.41769	0.582	-6.2	1.22965	none
GH2	-0.074	-0.0738	-0.847	0.41771	0.582	-6.2	0.54647	none
ARMCX4	-0.126	-0.1275	-0.846	0.41782	0.582	-6.2	0.61106	none
PSKH2	0.076	0.0756	0.8463	0.41784	0.582	-6.2	0.20449	none
ZNF282	-0.136	0.0561	-0.846	0.41807	0.582	-6.2	0.87759	none
TFPT	-0.142	-0.1015	-0.846	0.41811	0.582	-6.2	0.89575	none
LEF1	0.108	0.0853	0.8455	0.41828	0.582	-6.2	0.828	none
CWH43	0.11	0.1178	0.8454	0.41835	0.582	-6.2	0.44006	none
DLL1	0.083	0.1135	0.8452	0.41844	0.582	-6.2	-0.2292	none
KLHL15	0.074	0.0043	0.8451	0.41852	0.583	-6.2	-0.1547	none
CACNG7	0.092	0.0342	0.845	0.41857	0.583	-6.2	0.1585	none
SPATA20	0.104	0.1306	0.8448	0.41869	0.583	-6.2	1.14419	none
DACT1	0.061	0.0364	0.8447	0.41874	0.583	-6.2	1.22627	none
DYDC2	0.11	0.0661	0.8446	0.41877	0.583	-6.2	-0.7302	none
MYC	0.113	0.1986	0.8445	0.41881	0.583	-6.2	1.02606	none
ALG10	-0.141	-0.1585	-0.844	0.41898	0.583	-6.2	1.66887	none
TNFSF12-T	-0.094	-0.1153	-0.844	0.4191	0.583	-6.2	1.12064	none
THBS1	0.095	0.1041	0.8439	0.41912	0.583	-6.2	0.65511	none
SLC9B2	0.084	0.0461	0.8439	0.41913	0.583	-6.2	-0.2132	none
CXCL13	-0.153	-0.1642	-0.844	0.41931	0.583	-6.2	0.50744	none
TAS2R14	-0.061	-0.0507	-0.843	0.41936	0.583	-6.2	1.65485	none
TUBAL3	-0.072	-0.0598	-0.843	0.41937	0.583	-6.2	0.10949	none
ARHGAP3C	0.191	0.2771	0.8435	0.41937	0.583	-6.2	0.44409	none
SSU72	-0.082	-0.1147	-0.843	0.41938	0.583	-6.2	0.18389	none
NSA2	0.125	0.0744	0.8435	0.41938	0.583	-6.2	-0.6973	none
MS4A6E	0.075	0.0751	0.8435	0.41938	0.583	-6.2	0.66005	none
NDUFAF2	0.203	0.1287	0.8434	0.41943	0.583	-6.2	-0.0458	none

KRT16	0.1	0.1108	0.8433	0.41945	0.583	-6.2	0.16877	none
KCNC4	0.251	0.1805	0.8433	0.41947	0.583	-6.2	0.41535	none
CHRM1	0.071	0.0792	0.8431	0.41959	0.583	-6.2	0.56499	none
IL15	-0.075	-0.0077	-0.843	0.41965	0.583	-6.2	1.59178	none
OR9I1	0.059	0.0594	0.8428	0.41971	0.583	-6.2	-0.2365	none
ACD	0.094	0.1124	0.8426	0.41983	0.583	-6.2	-0.0765	none
FSTL5	0.089	0.0829	0.8423	0.41999	0.583	-6.2	1.15012	none
F5	0.323	0.5375	0.842	0.42013	0.583	-6.2	0.31248	none
PKLR	0.058	0.0582	0.842	0.42014	0.583	-6.2	0	none
WDR81	0.135	0.2339	0.842	0.42018	0.583	-6.2	0.39984	none
PID1	0.208	0.1519	0.8419	0.4202	0.583	-6.2	1.46357	none
LRRC9	0.07	0.0721	0.8415	0.42043	0.584	-6.2	-0.6112	none
CRYBA1	0.083	0.0822	0.8415	0.42044	0.584	-6.2	1.28545	none
SLC25A11	-0.106	-0.0845	-0.841	0.42045	0.584	-6.2	1.37057	none
EMP3	-0.116	-0.1568	-0.841	0.42063	0.584	-6.2	1.4972	none
INSRR	0.062	0.0542	0.8409	0.42075	0.584	-6.2	-1.0215	none
WDR63	0.075	0.0748	0.8408	0.42078	0.584	-6.2	-0.8743	none
TMEM151	0.061	0.0608	0.8408	0.4208	0.584	-6.2	0.15445	none
C10ORF12	0.075	0.0746	0.8406	0.42092	0.584	-6.2	-0.4083	none
ZNF207	-0.082	-0.0927	-0.84	0.421	0.584	-6.2	1.98633	none
STXBP2	0.115	0.1382	0.8403	0.42105	0.584	-6.2	-0.2775	none
ILVBL	-0.126	-0.1371	-0.84	0.42131	0.584	-6.21	0.85497	none
SFRP2	-0.058	-0.0552	-0.84	0.42132	0.584	-6.21	0.05211	none
SLC26A10	-0.116	-0.1164	-0.84	0.42136	0.584	-6.21	0.41959	none
SYT1	-0.078	-0.0779	-0.84	0.42138	0.584	-6.21	0.53951	none
JMJD6	-0.101	0.0017	-0.84	0.42143	0.584	-6.21	1.65039	none
ADGRF2	0.071	0.0508	0.8395	0.42151	0.584	-6.21	-1.1142	none
TPD52L2	-0.059	-0.0151	-0.839	0.42152	0.584	-6.21	0.81304	none
DPEP3	0.068	0.0817	0.8393	0.42157	0.584	-6.21	0.56527	none
CD40LG	-0.109	-0.1053	-0.839	0.42158	0.584	-6.21	0.17888	none
CXCL10	0.086	0.0981	0.8393	0.42159	0.584	-6.21	0.92767	none
TMEM100	0.074	0.0743	0.8391	0.42169	0.585	-6.21	-0.5512	none
LHX5	-0.073	-0.0732	-0.839	0.42171	0.585	-6.21	0.94872	none
AKR1C2	0.142	0.0912	0.839	0.42176	0.585	-6.21	-0.11	none
GLRX2	-0.142	-0.183	-0.839	0.42178	0.585	-6.21	0.54592	none
PAGE2	0.074	0.0743	0.8389	0.4218	0.585	-6.21	1.19688	none
FIBIN	0.057	0.057	0.8387	0.4219	0.585	-6.21	0	none
PRSS57	0.069	0.0402	0.8386	0.42197	0.585	-6.21	-0.5976	none
OR2T10	-0.057	-0.0379	-0.839	0.422	0.585	-6.21	0.311	none
ACTR10	0.142	0.022	0.8383	0.42214	0.585	-6.21	-0.7482	none

KRT13	-0.07	-0.0704	-0.838	0.42216	0.585	-6.21	1.54273	none
FAM72C	0.227	0.237	0.8381	0.42222	0.585	-6.21	1.12447	none
PLAU	0.07	0.1398	0.8379	0.42236	0.585	-6.21	0.06148	none
C11ORF53	-0.059	-0.0504	-0.838	0.42237	0.585	-6.21	0	none
HIST1H2AI	-0.119	-0.123	-0.838	0.4224	0.585	-6.21	1.26822	none
LYSMD2	0.165	0.1473	0.8377	0.42244	0.585	-6.21	0.60821	none
CLPS	-0.291	-0.2615	-0.838	0.42253	0.585	-6.21	2.16009	AA-related
KIF7	0.125	0.1404	0.8375	0.42256	0.585	-6.21	1.07954	none
SUSD4	0.147	0.0767	0.8374	0.42259	0.585	-6.21	0.20577	none
RESP18	-0.057	-0.0378	-0.837	0.42259	0.585	-6.21	0	none
FBXL16	0.089	0.1183	0.8374	0.42262	0.585	-6.21	0.11337	none
DMRTC2	0.125	0.1248	0.8372	0.42272	0.585	-6.21	-0.0128	none
TNFAIP6	-0.126	-0.0369	-0.837	0.4228	0.585	-6.21	0.74295	none
MED21	-0.144	-0.2475	-0.837	0.42293	0.585	-6.21	-0.275	none
BCL2L2	0.079	0.0815	0.8364	0.42314	0.585	-6.21	-0.2218	none
FKBP8	-0.107	-0.0249	-0.836	0.42328	0.586	-6.21	0.1474	none
ADAMTS1	-0.089	-0.0373	-0.836	0.42352	0.586	-6.21	0.63198	none
TGFBI	0.076	0.0737	0.8354	0.42366	0.586	-6.21	-0.3877	none
DRD2	-0.129	-0.1242	-0.835	0.42373	0.586	-6.21	-0.6467	none
TAF5	0.097	0.1399	0.8352	0.42378	0.586	-6.21	0.17213	none
WDR43	0.179	0.2598	0.8349	0.42396	0.586	-6.21	0.4082	none
ACSM6	0.108	0.0797	0.8348	0.42402	0.586	-6.21	0.06393	none
TBC1D13	0.093	0.1133	0.8346	0.42411	0.586	-6.21	0.72896	none
TTC4	-0.07	-0.0578	-0.835	0.42412	0.586	-6.21	0.3885	none
KRTAP5-1	-0.164	-0.047	-0.834	0.42448	0.587	-6.21	0.64607	none
SUGT1	-0.063	-0.0729	-0.834	0.42452	0.587	-6.21	0.75911	none
CMTM6	-0.109	-0.1907	-0.834	0.42459	0.587	-6.21	1.34791	none
KRTAP8-1	0.073	0.0734	0.8337	0.42461	0.587	-6.21	1.19688	none
HMGB4	-0.072	-0.0715	-0.833	0.42481	0.587	-6.21	0.86537	none
OR1S2	-0.072	-0.0715	-0.833	0.42485	0.587	-6.21	-0.3212	none
ZNF365	0.108	0.1	0.8331	0.42493	0.587	-6.21	1.67828	none
TNNI3	-0.068	-0.0675	-0.833	0.42501	0.587	-6.21	1.15491	none
FBXW9	-0.083	-0.042	-0.833	0.42504	0.587	-6.21	1.54048	none
GPR162	-0.056	-0.0384	-0.833	0.42509	0.587	-6.21	1.49424	none
KLF15	-0.081	-0.0851	-0.833	0.42511	0.587	-6.21	-0.3472	none
DAPK1	-0.171	-0.0946	-0.833	0.42516	0.587	-6.21	0.63592	none
CCL2	-0.07	-0.0932	-0.832	0.42526	0.587	-6.21	0.88525	none
FGA	-0.092	-0.1005	-0.832	0.42564	0.588	-6.21	0.71948	none
OR5B21	-0.114	-0.08	-0.831	0.42591	0.588	-6.21	-0.5298	none
MPC1L	-0.065	-0.0683	-0.831	0.42592	0.588	-6.21	1.5055	none

PARP1	0.225	0.3826	0.8309	0.42608	0.588	-6.21	0.32191	none
CPEB4	0.192	0.1784	0.8309	0.42611	0.588	-6.21	0.41587	none
XPNPEP1	0.088	0.1245	0.8307	0.4262	0.588	-6.21	0.42783	none
ASGR2	-0.1	-0.0563	-0.831	0.4262	0.588	-6.21	1.45651	none
ZNF576	0.118	0.0314	0.8304	0.42635	0.588	-6.21	-0.0103	none
CRTAC1	0.101	0.1009	0.8301	0.42651	0.589	-6.21	0.13446	none
SWI5	-0.113	-0.1083	-0.83	0.42664	0.589	-6.21	1.10291	none
XAGE1B	-0.071	-0.071	-0.83	0.42664	0.589	-6.21	-0.1025	none
JPH3	-0.071	-0.076	-0.83	0.42671	0.589	-6.21	-0.194	none
HDDC2	0.072	0.0426	0.8295	0.42686	0.589	-6.21	-0.8884	none
PSG9	-0.056	-0.0558	-0.829	0.42688	0.589	-6.21	-0.271	none
MTM1	-0.165	-0.1516	-0.829	0.42698	0.589	-6.21	0.85614	none
U2AF2	-0.112	-0.0256	-0.829	0.42704	0.589	-6.21	0.09909	none
FANCF	0.064	0.0065	0.8291	0.4271	0.589	-6.21	0.12751	none
FASTKD3	-0.133	-0.2023	-0.829	0.42721	0.589	-6.21	0.80695	none
AQP3	-0.127	-0.1809	-0.829	0.42727	0.589	-6.21	1.75153	none
MS4A8	0.083	0.0827	0.8285	0.42739	0.589	-6.21	-0.0605	none
CPN2	0.061	0.0618	0.8285	0.42739	0.589	-6.21	1.39219	none
IGFBP1	-0.127	-0.1545	-0.828	0.42739	0.589	-6.21	0.37427	none
HMGNA4	0.099	-0.016	0.8283	0.42752	0.589	-6.21	0.8431	none
CACNA1B	-0.094	-0.0946	-0.828	0.42762	0.589	-6.21	0.40959	none
PNLDC1	-0.081	-0.0386	-0.828	0.42767	0.589	-6.22	0.80142	none
COPE	-0.09	-0.0511	-0.828	0.42782	0.59	-6.22	0.33683	none
ZNF658	-0.216	-0.0843	-0.828	0.42787	0.59	-6.22	0.50457	none
SSR1	0.084	-0.0194	0.8273	0.42802	0.59	-6.22	-0.4987	none
BMI1	0.139	0.0891	0.8269	0.42826	0.59	-6.22	-0.5928	none
RHOXF1	-0.069	-0.0704	-0.827	0.42831	0.59	-6.22	0.88887	none
TK2	-0.075	-0.067	-0.827	0.42832	0.59	-6.22	0.89034	none
PSAP	-0.086	-0.1044	-0.827	0.4284	0.59	-6.22	1.21503	none
BEX3	-0.156	-0.1704	-0.827	0.42841	0.59	-6.22	0.40882	none
TMEM14A	-0.153	-0.2578	-0.827	0.42845	0.59	-6.22	0.89367	none
TEX26	-0.07	-0.0703	-0.826	0.42866	0.59	-6.22	0.88916	none
FAM89A	-0.139	-0.1306	-0.826	0.42869	0.59	-6.22	-0.1694	none
CARNS1	0.14	0.1183	0.826	0.42873	0.59	-6.22	0.00443	none
SEC16B	-0.055	-0.0309	-0.826	0.42878	0.59	-6.22	-0.2364	none
CDCA4	-0.125	-0.0645	-0.826	0.42886	0.59	-6.22	1.96944	none
KHSRP	0.176	0.2597	0.8253	0.42914	0.591	-6.22	0.37302	none
SERPINF2	0.074	0.0781	0.8248	0.4294	0.591	-6.22	1.29741	none
SLC18A3	-0.057	-0.0389	-0.825	0.42948	0.591	-6.22	0.03385	none
FICD	0.131	0.1816	0.8246	0.42952	0.591	-6.22	0.46424	none

NUDT21	0.115	-0.0202	0.8243	0.42968	0.591	-6.22	0.51329	none
MCF2	-0.062	-0.0422	-0.824	0.42973	0.591	-6.22	-0.442	none
PLXNA1	-0.166	#####	-0.824	0.42997	0.592	-6.22	0.88062	none
DIRAS3	-0.071	-0.0263	-0.824	0.43	0.592	-6.22	1.59485	none
TIMM17B	0.133	0.0256	0.8237	0.43	0.592	-6.22	-0.3681	none
RAD54B	-0.144	-0.0888	-0.824	0.43006	0.592	-6.22	0.3674	none
TREML4	0.078	0.0757	0.8229	0.43042	0.592	-6.22	1.62775	none
USP17L20	0.08	0.084	0.8225	0.43065	0.592	-6.22	1.41237	none
DLAT	-0.14	-0.0631	-0.822	0.43091	0.593	-6.22	2.06144	none
PPIAL4C	-0.105	-0.1296	-0.822	0.43102	0.593	-6.22	0.84053	none
TMED5	0.122	0.0476	0.8215	0.43119	0.593	-6.22	1.09899	none
STK38	0.11	0.1259	0.8212	0.43131	0.593	-6.22	1.22498	none
YIPF1	-0.112	-0.1297	-0.821	0.43132	0.593	-6.22	0.29825	none
NKX2-1	0.07	0.0666	0.821	0.43144	0.593	-6.22	0.5764	none
STAC	0.113	0.1169	0.821	0.43148	0.593	-6.22	0.37861	none
ACVR2A	0.216	0.1665	0.8209	0.43153	0.593	-6.22	-0.765	none
SLX1A	0.149	0.0729	0.8207	0.43161	0.593	-6.22	0.33332	none
TP53TG3C	-0.059	-0.0349	-0.821	0.43169	0.593	-6.22	1.27997	none
CKLF-CMT	0.24	0.2298	0.8202	0.43189	0.593	-6.22	0.36639	none
RGS9BP	0.056	0.0443	0.8201	0.43191	0.593	-6.22	-1.1162	none
AGAP3	0.116	0.2738	0.8199	0.43203	0.594	-6.22	0.59389	none
DRD5	0.057	0.039	0.8196	0.43219	0.594	-6.22	1.5649	none
ASIC2	-0.096	-0.0742	-0.819	0.4323	0.594	-6.22	0.07474	none
ZDHC16	-0.114	-0.1383	-0.819	0.4325	0.594	-6.22	1.53243	none
WASF2	0.118	0.1778	0.819	0.43256	0.594	-6.22	-0.1071	none
CIB4	0.071	0.0709	0.8189	0.43261	0.594	-6.22	-0.6397	none
TIGD2	0.094	0.0444	0.8185	0.43278	0.594	-6.22	1.17142	none
RNF138	-0.25	-0.2441	-0.818	0.43282	0.594	-6.22	1.8461	none
AL513523	0.062	0.0632	0.8183	0.4329	0.594	-6.22	-0.0092	none
MALRD1	-0.07	-0.0682	-0.818	0.43297	0.594	-6.22	2.10187	AA-related
DCLRE1B	0.086	0.0616	0.8176	0.43327	0.595	-6.22	1.39292	none
CELA1	0.069	0.0707	0.8176	0.43328	0.595	-6.22	-0.6538	none
SNAP25	-0.07	-0.0698	-0.817	0.43342	0.595	-6.22	2.14624	AA-related
HNRNPUL1	0.182	0.258	0.8174	0.43342	0.595	-6.22	0.56954	none
LRP6	-0.115	0.0109	-0.817	0.43352	0.595	-6.22	-0.0296	none
CXORF65	0.134	0.2413	0.8171	0.43357	0.595	-6.22	0.78536	none
TFCP2	0.125	0.1554	0.8168	0.43373	0.595	-6.22	-0.0153	none
LRRC75B	0.092	0.1451	0.8166	0.43383	0.595	-6.22	1.20164	none
AUP1	-0.106	-0.0796	-0.817	0.43389	0.595	-6.22	0.43033	none
MYL7	0.092	0.086	0.8157	0.43431	0.596	-6.23	0.32408	none

PIGC	-0.107	-0.1691	-0.815	0.43448	0.596	-6.23	1.20797	none
ANXA8L1	0.06	0.0669	0.8153	0.43453	0.596	-6.23	-0.0602	none
LENG9	0.102	0.0796	0.8153	0.43457	0.596	-6.23	0.30813	none
LGALS12	0.064	0.0388	0.8147	0.43486	0.596	-6.23	-0.9235	none
FMO1	0.069	0.075	0.8144	0.43506	0.597	-6.23	-0.6417	none
OR10J5	-0.068	-0.0684	-0.814	0.43519	0.597	-6.23	0.47745	none
TMC3	0.067	0.0515	0.8137	0.4354	0.597	-6.23	-0.6032	none
CREBL2	-0.079	-0.1134	-0.813	0.43559	0.597	-6.23	1.27258	none
SSH3	0.111	0.1488	0.8128	0.43592	0.598	-6.23	0.50861	none
STIM2	0.164	0.192	0.8125	0.43609	0.598	-6.23	0.79499	none
ZC3H11A	0.206	0.2963	0.8124	0.43613	0.598	-6.23	-0.1239	none
MET	0.149	0.1275	0.8123	0.43621	0.598	-6.23	-0.2525	none
ITGBL1	0.08	0.0838	0.8119	0.43639	0.598	-6.23	1.30831	none
MAOA	0.105	0.1579	0.8118	0.43645	0.598	-6.23	0.44433	none
BHLHE23	-0.055	-0.0364	-0.811	0.43709	0.599	-6.23	0	none
FST	0.08	0.083	0.8104	0.43722	0.599	-6.23	-0.5016	none
GDF9	0.14	0.0838	0.8103	0.43728	0.599	-6.23	-0.3939	none
EHD3	0.088	0.0882	0.8102	0.43733	0.599	-6.23	0.41456	none
RIC1	0.12	0.1552	0.8099	0.43751	0.599	-6.23	-0.086	none
KCNIP3	-0.097	-0.0789	-0.81	0.4377	0.599	-6.23	1.57578	none
TSLP	0.055	0.0563	0.8092	0.43789	0.6	-6.23	-0.4061	none
CCDC160	-0.068	-0.0567	-0.809	0.43792	0.6	-6.23	0.2096	none
PARL	-0.096	-0.0948	-0.809	0.43793	0.6	-6.23	0.49258	none
UBE2H	0.188	0.1194	0.8089	0.43808	0.6	-6.23	-0.1209	none
ZW10	-0.08	-0.0432	-0.808	0.43829	0.6	-6.23	1.53464	none
IMPDH1	0.077	0.1209	0.8078	0.43868	0.601	-6.23	0.58356	none
ALCAM	0.198	0.2856	0.8076	0.43879	0.601	-6.23	-0.3397	none
TOB1	0.076	0.019	0.8075	0.43884	0.601	-6.23	-1.0309	none
SPTLC3	0.145	0.1742	0.8073	0.43894	0.601	-6.23	0.25676	none
ZNF704	0.101	0.1004	0.8071	0.43906	0.601	-6.23	-0.6482	none
PLN	-0.054	-0.0406	-0.807	0.43931	0.601	-6.23	1.77964	none
CD109	0.128	0.0645	0.8066	0.43932	0.601	-6.23	-0.4654	none
LRRC39	-0.06	-0.0538	-0.807	0.43932	0.601	-6.23	0.31497	none
POP7	-0.101	-0.0943	-0.806	0.43942	0.601	-6.23	0.64345	none
ITPA	-0.091	-0.0953	-0.806	0.43945	0.601	-6.23	0.70392	none
CYGB	0.084	0.1034	0.8063	0.43948	0.601	-6.23	1.39319	none
HBE1	0.069	0.0688	0.8058	0.43975	0.601	-6.23	-0.3054	none
VPS35	0.077	0.0283	0.8057	0.4398	0.601	-6.23	0.67499	none
ZNHIT1	-0.123	-0.1638	-0.806	0.43988	0.602	-6.23	1.27754	none
RUNX1T1	-0.067	-0.065	-0.805	0.44011	0.602	-6.23	1.7084	none



SF3A1	0.2	0.3537	0.8051	0.44014	0.602	-6.23	0.86163	none
MINPP1	-0.095	-0.0821	-0.805	0.4402	0.602	-6.23	2.1967	AA-related
NRM	0.091	0.0585	0.8049	0.44023	0.602	-6.23	0.39288	none
ZNF324B	0.104	0.1939	0.8048	0.44031	0.602	-6.23	1.63124	none
C1QTNF5	0.069	0.0686	0.8047	0.44036	0.602	-6.23	0.24127	none
PDCD4	0.118	0.0925	0.8044	0.44052	0.602	-6.23	0.62486	none
GLI3	-0.118	-0.1174	-0.804	0.44054	0.602	-6.23	-0.4616	none
LRRRC23	0.234	0.1277	0.8042	0.44062	0.602	-6.23	-0.3394	none
MYRFL	0.059	0.06	0.8039	0.44082	0.602	-6.23	-0.7584	none
TLR1	-0.129	-0.0887	-0.804	0.44086	0.602	-6.23	0.43771	none
RHOBTB1	-0.072	-0.0911	-0.804	0.44088	0.602	-6.24	0.7922	none
CLEC4D	0.069	0.0685	0.8037	0.44089	0.602	-6.24	1.19405	none
SMYD3	0.128	0.1293	0.8036	0.44096	0.602	-6.24	0.88771	none
PAH	0.098	0.151	0.8035	0.44103	0.602	-6.24	-0.2084	none
BTG1	0.1	0.0573	0.803	0.44127	0.603	-6.24	-0.7139	none
WAS	0.121	0.0974	0.8029	0.44138	0.603	-6.24	-0.2052	none
ZYX	-0.084	-0.0567	-0.803	0.44144	0.603	-6.24	0.36924	none
MLLT1	0.202	0.3428	0.8026	0.44149	0.603	-6.24	-0.0674	none
CAMLG	-0.102	-0.1557	-0.802	0.44174	0.603	-6.24	1.10051	none
KRTAP10-1	-0.054	-0.0359	-0.802	0.44182	0.603	-6.24	0	none
SLC27A6	0.061	0.0664	0.8019	0.44188	0.603	-6.24	0	none
MANBAL	0.081	0.0434	0.8019	0.4419	0.603	-6.24	0.04138	none
ANKRD2	-0.066	-0.0149	-0.802	0.4419	0.603	-6.24	0.12555	none
RAPGEF1	0.2	0.3652	0.8019	0.44192	0.603	-6.24	0.0042	none
ARHGAP33	0.106	0.0669	0.8018	0.44195	0.603	-6.24	0.35199	none
ASB15	-0.068	-0.0671	-0.802	0.44202	0.603	-6.24	1.83911	none
CRYGB	-0.067	-0.0665	-0.802	0.44205	0.603	-6.24	1.9054	none
TTC37	0.272	0.3316	0.8016	0.44207	0.603	-6.24	0.28181	none
SERGEF	-0.109	-0.14	-0.802	0.44212	0.603	-6.24	1.09497	none
FAIM2	0.191	0.1787	0.8013	0.44224	0.603	-6.24	0.43205	none
COMMD3-1	-0.1	-0.0995	-0.801	0.44232	0.603	-6.24	0.9439	none
PLPP1	0.117	0.0618	0.8011	0.44235	0.603	-6.24	0.47981	none
NFIX	0.074	0.1018	0.8008	0.4425	0.603	-6.24	-0.2694	none
GLRX5	-0.135	-0.1455	-0.801	0.44253	0.603	-6.24	0.79736	none
PPY	0.144	0.0712	0.8007	0.44256	0.603	-6.24	-0.1477	none
GOLGA8J	0.098	0.061	0.8006	0.44262	0.603	-6.24	-0.6537	none
APOBEC3F	-0.157	-0.1336	-0.8	0.44296	0.604	-6.24	0.82868	none
SLC35G5	-0.06	-0.0134	-0.799	0.44334	0.604	-6.24	1.64961	none
HIST3H2A	-0.12	-0.0897	-0.799	0.44337	0.604	-6.24	1.40935	none
CANT1	0.167	0.1494	0.7991	0.44344	0.604	-6.24	-0.6028	none

KRTAP12-1	0.068	0.0677	0.7991	0.44345	0.604	-6.24	1.19688	none
ADGB	0.086	0.067	0.7991	0.44346	0.604	-6.24	0.06546	none
AMTN	-0.066	-0.0662	-0.799	0.44351	0.604	-6.24	0.88916	none
IFNA13	-0.066	-0.0661	-0.799	0.44362	0.604	-6.24	1.9054	none
TSSK1B	0.06	0.0477	0.7987	0.44365	0.604	-6.24	-0.3303	none
NR5A1	-0.057	-0.0291	-0.799	0.4437	0.604	-6.24	-0.2196	none
KLHL34	0.08	0.041	0.7985	0.44377	0.604	-6.24	0.77154	none
MYL5	0.122	-0.0099	0.7983	0.4439	0.605	-6.24	-0.0684	none
MRPS9	-0.122	-0.0357	-0.798	0.44403	0.605	-6.24	1.77435	none
OR2T27	0.054	0.0362	0.798	0.44404	0.605	-6.24	0	none
UBC	0.183	0.2199	0.798	0.44407	0.605	-6.24	-0.07	none
COA7	0.118	0.1496	0.7977	0.4442	0.605	-6.24	-0.3249	none
EFHD2	-0.077	-0.0168	-0.797	0.44434	0.605	-6.24	0.58182	none
MCEMP1	-0.066	-0.0659	-0.797	0.44441	0.605	-6.24	0.1193	none
GLRB	-0.068	-0.067	-0.797	0.44448	0.605	-6.24	0.88257	none
SPPL2A	-0.119	-0.1701	-0.797	0.4445	0.605	-6.24	1.55117	none
KCNQ1	0.088	0.0544	0.7972	0.4445	0.605	-6.24	-0.8441	none
SLC35F3	-0.084	-0.1205	-0.797	0.44454	0.605	-6.24	1.41126	none
EXOSC7	-0.1	-0.1507	-0.797	0.44454	0.605	-6.24	1.37365	none
ATP4A	-0.079	-0.0241	-0.797	0.44455	0.605	-6.24	-0.0531	none
PDE6D	0.096	0.0409	0.7971	0.44456	0.605	-6.24	-0.6741	none
KRTAP1-4	-0.066	-0.0659	-0.797	0.44461	0.605	-6.24	-0.2536	none
VDAC1	-0.065	-0.0955	-0.797	0.44462	0.605	-6.24	1.48922	none
SFTPA1	-0.189	-0.1809	-0.797	0.44463	0.605	-6.24	0.84644	none
HCRTR1	-0.063	-0.0339	-0.797	0.44479	0.605	-6.24	0.18079	none
TDRP	-0.119	-0.1075	-0.796	0.44506	0.605	-6.24	1.69978	none
IGFBP6	-0.16	-0.0628	-0.796	0.44529	0.606	-6.24	1.92487	none
NFKBIL1	0.23	0.1921	0.7956	0.44539	0.606	-6.24	0.33715	none
OR13F1	-0.066	-0.0657	-0.796	0.44539	0.606	-6.24	0.47965	none
PTS	-0.137	-0.2002	-0.795	0.44569	0.606	-6.24	0.70802	none
SLC7A4	-0.055	-0.0467	-0.795	0.4458	0.606	-6.24	-0.5825	none
TIMM8B	-0.127	-0.1477	-0.795	0.44587	0.606	-6.24	-0.0363	none
PLET1	0.055	0.0353	0.7947	0.44588	0.606	-6.24	0	none
MED14	0.211	0.2972	0.7946	0.44594	0.606	-6.24	-0.1502	none
DDX41	0.167	0.2461	0.7946	0.44595	0.606	-6.24	0.38735	none
OR10G7	0.067	0.067	0.7945	0.44597	0.606	-6.24	1.01178	none
CCDC91	0.179	0.23	0.7945	0.44601	0.606	-6.24	-0.4673	none
EPB41L3	-0.148	-0.1176	-0.794	0.44602	0.606	-6.24	-0.3824	none
SLC22A7	0.066	0.0782	0.7943	0.4461	0.606	-6.24	1.68334	none
PTGER1	-0.058	-0.0497	-0.794	0.44613	0.606	-6.24	0.2674	none

LRRC71	0.065	0.0662	0.7942	0.44614	0.606	-6.24	0.55263	none
M1AP	0.097	0.0051	0.7942	0.44617	0.606	-6.24	-0.4912	none
RECQL	0.136	0.1511	0.794	0.44625	0.606	-6.24	0.80958	none
LYZL4	-0.065	-0.0654	-0.794	0.44626	0.606	-6.24	-0.2672	none
ZNF597	0.064	0.0436	0.794	0.44627	0.606	-6.24	-0.5664	none
ELAVL3	-0.075	-0.0379	-0.794	0.44639	0.606	-6.24	-0.3877	none
OR6P1	0.067	0.0669	0.7937	0.44646	0.606	-6.24	1.44028	none
MCTP2	-0.127	-0.1237	-0.793	0.44656	0.606	-6.24	0.01867	none
KCNE5	0.054	0.0726	0.7929	0.44687	0.607	-6.24	0.20361	none
GRIA3	-0.061	-0.0344	-0.793	0.44689	0.607	-6.24	1.31688	none
NBPF26	-0.163	0.0301	-0.792	0.44712	0.607	-6.24	0.93903	none
PLPPR5	0.078	0.0783	0.7923	0.44719	0.607	-6.24	1.24893	none
SARM1	0.113	0.1652	0.7922	0.44729	0.607	-6.24	0.90502	none
DEPDC1B	0.092	0.0306	0.792	0.44738	0.607	-6.24	0.25499	none
GRIN2B	-0.174	-0.0399	-0.792	0.44755	0.607	-6.24	1.5264	none
EFCAB14	0.148	0.2221	0.7916	0.44759	0.607	-6.24	0.58589	none
C4ORF51	0.166	0.1671	0.7914	0.44769	0.607	-6.24	1.06812	none
REC8	0.08	0.0728	0.7914	0.44773	0.607	-6.25	-0.4077	none
NDUFA2	-0.133	-0.1869	-0.791	0.44793	0.608	-6.25	1.36181	none
MLC1	-0.109	-0.068	-0.791	0.44805	0.608	-6.25	0.57463	none
YBX2	0.066	0.0801	0.7906	0.44816	0.608	-6.25	0.91664	none
KLHL13	0.078	0.0845	0.7902	0.44838	0.608	-6.25	1.1652	none
NCAN	0.074	0.0779	0.7902	0.44841	0.608	-6.25	1	none
MPP6	0.148	0.1821	0.7901	0.44843	0.608	-6.25	1.10494	none
CCDC169	0.086	0.1113	0.79	0.44851	0.608	-6.25	-0.2181	none
RNLS	0.197	0.1136	0.7898	0.44863	0.608	-6.25	-0.001	none
RASAL1	-0.095	-0.0468	-0.79	0.44864	0.608	-6.25	1.63283	none
ZNF479	0.056	0.0557	0.7897	0.44868	0.608	-6.25	0.98551	none
EXOSC5	-0.085	-0.0858	-0.789	0.44888	0.608	-6.25	0.86873	none
RIMBP3	-0.066	-0.0342	-0.789	0.44889	0.608	-6.25	1.00751	none
HSPA5	0.103	0.1717	0.7893	0.44891	0.608	-6.25	0.54534	none
SAPCD1	-0.105	-0.1027	-0.789	0.44898	0.608	-6.25	0.57659	none
PGA5	-0.065	-0.0647	-0.789	0.44901	0.608	-6.25	0.21041	none
SERPINB1	0.053	0.0531	0.7891	0.44902	0.608	-6.25	-0.5163	none
SARAF	-0.122	-0.2167	-0.789	0.44906	0.608	-6.25	0.928	none
PDLIM1	0.098	0.1064	0.7888	0.44917	0.608	-6.25	-0.1172	none
EIF2B1	0.068	0.0652	0.7888	0.44917	0.608	-6.25	0.06499	none
POTEE	-0.069	-0.0406	-0.789	0.44933	0.609	-6.25	1.85224	none
MGAM	0.08	0.0803	0.7884	0.44936	0.609	-6.25	-0.6101	none
RDH11	0.107	0.1212	0.7884	0.44938	0.609	-6.25	0.65031	none

CELF2	0.11	0.116	0.7879	0.44965	0.609	-6.25	0.65486	none
PIGP	-0.135	-0.2214	-0.788	0.44976	0.609	-6.25	0.87041	none
PTPRN	-0.138	-0.0627	-0.788	0.44983	0.609	-6.25	0.91296	none
MRPL44	0.07	-0.0527	0.7874	0.44993	0.609	-6.25	0.52355	none
SIGLEC9	0.094	0.0835	0.7873	0.44998	0.609	-6.25	1.11401	none
PDP1	0.187	0.1507	0.7873	0.45	0.609	-6.25	0.05142	none
ARAP2	0.2	0.2132	0.7872	0.45003	0.609	-6.25	0.16708	none
DKK1	0.085	0.0905	0.7872	0.45004	0.609	-6.25	1.1712	none
CAMK2N1	0.087	0.0752	0.787	0.45016	0.609	-6.25	0.71638	none
MICAL1	0.186	0.285	0.7868	0.45026	0.609	-6.25	0.6877	none
REXO2	0.068	0.0286	0.7862	0.45062	0.61	-6.25	1.43489	none
CNGA4	0.054	0.0556	0.786	0.4507	0.61	-6.25	-0.7226	none
PRAMEF19	0.068	0.0683	0.7858	0.45083	0.61	-6.25	1.29653	none
GUCA1C	-0.086	-0.0856	-0.786	0.45085	0.61	-6.25	-0.0019	none
TAPBPL	-0.069	-0.0285	-0.786	0.45092	0.61	-6.25	0.60941	none
CDK16	0.154	0.3059	0.7855	0.45102	0.61	-6.25	0.95208	none
GTF3A	-0.067	-0.0517	-0.785	0.45109	0.61	-6.25	1.60759	none
MEP1A	-0.052	-0.0293	-0.785	0.45112	0.61	-6.25	0	none
NAT2	-0.064	-0.0641	-0.785	0.45137	0.61	-6.25	1.9054	none
HTR1E	-0.052	-0.0519	-0.785	0.45148	0.61	-6.25	0	none
SMIM12	-0.114	-0.1749	-0.784	0.45157	0.611	-6.25	0.71855	none
RBAK-RBA	0.077	0.0376	0.7842	0.45173	0.611	-6.25	0.67452	none
EAF2	0.109	0.0161	0.7842	0.45173	0.611	-6.25	-0.7194	none
HHAT	-0.065	-0.0428	-0.784	0.45179	0.611	-6.25	1.36904	none
ORAI1	0.118	0.0438	0.784	0.45184	0.611	-6.25	-0.0863	none
CCDC42	0.076	0.0414	0.7839	0.45191	0.611	-6.25	1.03004	none
QRFP	0.054	0.0673	0.7839	0.45191	0.611	-6.25	-0.9455	none
ATG4D	0.14	0.1341	0.7837	0.452	0.611	-6.25	-0.9201	none
PTPRR	0.061	0.0634	0.7837	0.45203	0.611	-6.25	0.31829	none
TH	-0.103	-0.0645	-0.783	0.45216	0.611	-6.25	1.78675	none
CCDC92	0.242	0.2511	0.7834	0.45216	0.611	-6.25	0.17146	none
HES7	-0.061	-0.0768	-0.783	0.45221	0.611	-6.25	1.6718	none
VIPAS39	0.062	0.059	0.7833	0.45222	0.611	-6.25	-0.6255	none
HIST1H1A	-0.13	-0.1618	-0.783	0.45223	0.611	-6.25	0.51258	none
RMDN3	-0.063	0.0184	-0.783	0.45231	0.611	-6.25	1.3124	none
AIMP1	-0.113	-0.1328	-0.783	0.4524	0.611	-6.25	1.20453	none
SULT1A2	0.074	0.0887	0.783	0.45243	0.611	-6.25	-0.9603	none
ZNF497	0.077	0.0396	0.7829	0.45246	0.611	-6.25	-0.7128	none
KRT222	-0.063	-0.0305	-0.783	0.45259	0.611	-6.25	1.00369	none
TRAF3IP3	0.149	0.1845	0.7826	0.45265	0.611	-6.25	-0.1942	none

GABRB3	0.177	0.0543	0.7825	0.45266	0.611	-6.25	-0.8358	none
BRD2	0.188	0.3635	0.7819	0.453	0.611	-6.25	0.06534	none
HCCS	-0.106	-0.1333	-0.782	0.45305	0.611	-6.25	1.69139	none
SLC6A17	-0.079	-0.061	-0.782	0.45321	0.612	-6.25	1.24072	none
C20ORF19	0.1	0.1302	0.7814	0.45332	0.612	-6.25	-0.0231	none
EGFR	-0.076	-0.0704	-0.781	0.4534	0.612	-6.25	1.25002	none
PACS2	0.147	0.2217	0.7811	0.45349	0.612	-6.25	-0.0837	none
GPR87	-0.097	-0.1122	-0.781	0.45352	0.612	-6.25	1.1952	none
BRPF1	0.224	0.3603	0.7807	0.45371	0.612	-6.25	-0.2553	none
C5ORF52	0.088	0.1017	0.7804	0.45387	0.612	-6.25	-0.0304	none
BEND6	0.056	0.0543	0.7804	0.45388	0.612	-6.25	-0.8686	none
ASB5	-0.063	-0.0634	-0.78	0.45398	0.612	-6.25	1.96868	none
CSRP1	-0.08	-0.0668	-0.78	0.45412	0.612	-6.25	1.56543	none
C17ORF10	0.064	0.0566	0.7799	0.45417	0.612	-6.25	1.5569	none
BRPF3	0.169	0.2478	0.7798	0.45419	0.612	-6.25	-0.452	none
CCDC140	0.065	0.0648	0.7798	0.45419	0.612	-6.25	-0.9329	none
ZSCAN26	0.177	0.193	0.7798	0.45421	0.612	-6.25	0.25366	none
TLX3	-0.061	-0.0517	-0.779	0.45458	0.613	-6.25	0.52268	none
KLHL28	0.117	0.0291	0.779	0.45464	0.613	-6.25	0.61147	none
OR52B2	0.062	0.0721	0.7789	0.45471	0.613	-6.25	0.86922	none
USPL1	0.143	0.1774	0.7787	0.45482	0.613	-6.26	0.39802	none
RNF5	-0.126	-0.2026	-0.779	0.45484	0.613	-6.26	0.98498	none
CXCR6	-0.099	-0.1579	-0.778	0.45498	0.613	-6.26	1.08963	none
CDH9	0.121	0.1255	0.7783	0.45502	0.613	-6.26	0.97741	none
NOVA1	-0.069	-0.0603	-0.778	0.45504	0.613	-6.26	0.82445	none
CASKIN2	-0.164	-0.1036	-0.778	0.45506	0.613	-6.26	1.41356	none
KLHL32	-0.069	-0.0457	-0.778	0.45517	0.613	-6.26	1.80086	none
DEFB108B	0.065	0.0645	0.7779	0.45525	0.613	-6.26	1.19688	none
ABCA10	-0.118	-0.0711	-0.778	0.45528	0.613	-6.26	1.29987	none
DOK2	-0.084	-0.0514	-0.778	0.45532	0.613	-6.26	0.60787	none
ZSWIM3	-0.101	-0.1085	-0.778	0.45533	0.613	-6.26	0.55491	none
MATN1	0.116	0.0841	0.7777	0.45537	0.613	-6.26	-0.1621	none
CACUL1	0.107	0.1434	0.7775	0.45549	0.613	-6.26	-0.5758	none
HES4	-0.06	-0.0802	-0.777	0.45558	0.613	-6.26	0.79957	none
HAT1	0.075	0.001	0.7773	0.45562	0.613	-6.26	-0.0713	none
GRIN2A	-0.095	-0.0934	-0.777	0.45566	0.613	-6.26	-0.234	none
AC213203	-0.209	-0.2095	-0.777	0.45569	0.613	-6.26	1.08356	none
GRHPR	0.113	0.0688	0.7771	0.45569	0.613	-6.26	-0.2606	none
H2AFV	-0.075	-0.112	-0.777	0.45578	0.613	-6.26	0.22152	none
DNLZ	-0.109	-0.1037	-0.777	0.45583	0.613	-6.26	0.54465	none

PLXNA2	0.062	0.0825	0.7766	0.456	0.614	-6.26	-0.4259	none
CADM3	-0.062	-0.0563	-0.777	0.45601	0.614	-6.26	1.45123	none
SYNGR1	0.094	0.082	0.776	0.45631	0.614	-6.26	-0.1039	none
GCNT7	-0.13	-0.0896	-0.776	0.4564	0.614	-6.26	1.33487	none
CLDN14	0.066	0.0638	0.7758	0.45643	0.614	-6.26	0.62521	none
UTRN	0.158	0.2565	0.7756	0.45655	0.614	-6.26	-0.3069	none
FABP7	0.05	0.0213	0.7754	0.45667	0.614	-6.26	0.11438	none
NDUFB10	-0.101	-0.1045	-0.775	0.45681	0.614	-6.26	1.12511	none
RNASE8	0.064	0.0641	0.7751	0.45684	0.614	-6.26	0.1843	none
TTF2	0.241	0.3762	0.7751	0.45685	0.614	-6.26	0.2071	none
ANTXRL	0.297	0.1566	0.7751	0.45685	0.614	-6.26	0.33061	none
DPH2	0.077	0.0662	0.7747	0.4571	0.614	-6.26	0.61697	none
C16ORF46	0.076	0.0763	0.7745	0.45717	0.615	-6.26	1.15822	none
CLECL1	-0.176	-0.1744	-0.774	0.45722	0.615	-6.26	1.21298	none
NPR3	-0.06	-0.0118	-0.774	0.45726	0.615	-6.26	1.26874	none
SERPINC1	0.058	0.0676	0.7742	0.45733	0.615	-6.26	1.35416	none
DPPA5	-0.063	-0.0626	-0.774	0.45736	0.615	-6.26	1.9054	none
VPS52	0.212	0.1119	0.7741	0.4574	0.615	-6.26	0.54487	none
HRH2	0.131	0.2341	0.7739	0.45752	0.615	-6.26	0.62772	none
NT5C1B	0.123	0.1508	0.7739	0.45753	0.615	-6.26	0.27373	none
PRAMEF2 <sup>5</sup>	0.053	0.0359	0.7738	0.45757	0.615	-6.26	0	none
PIGZ	-0.06	-0.0326	-0.774	0.45758	0.615	-6.26	0.85343	none
FBXL15	0.117	0.0802	0.7737	0.45764	0.615	-6.26	0.58292	none
MYO16	-0.067	-0.0834	-0.774	0.45769	0.615	-6.26	1.09756	none
DNPEP	0.107	0.0715	0.7735	0.45774	0.615	-6.26	-0.564	none
OTX2	0.061	0.0672	0.7735	0.45774	0.615	-6.26	0.91633	none
RIC3	0.226	0.1902	0.7735	0.45775	0.615	-6.26	1.07586	none
MDFI	0.071	0.0939	0.7725	0.45831	0.615	-6.26	1.3695	none
LACRT	0.064	0.0637	0.7723	0.4584	0.615	-6.26	1.19688	none
RPF2	0.095	0.0603	0.7723	0.4584	0.615	-6.26	-0.137	none
MEGF10	-0.086	-0.0867	-0.772	0.45872	0.616	-6.26	0.63464	none
GNL2	0.233	0.3422	0.7715	0.45887	0.616	-6.26	0.31328	none
DTX3	0.158	0.1719	0.7715	0.45888	0.616	-6.26	0.2242	none
ARHGAP4 <sup>4</sup>	0.083	0.0324	0.7711	0.4591	0.616	-6.26	-0.8042	none
BMP7	0.127	0.1774	0.7708	0.45929	0.616	-6.26	0.58749	none
TP53INP2	0.081	0.1197	0.7704	0.45949	0.617	-6.26	0.14209	none
SERPINB4	0.063	0.0634	0.7704	0.45952	0.617	-6.26	0.36521	none
HIST1H1E	-0.151	0.0209	-0.77	0.45956	0.617	-6.26	2.0461	none
HIST1H2BI	0.148	0.0337	0.7702	0.45961	0.617	-6.26	-0.5664	none
SPTBN5	0.054	0.054	0.7699	0.4598	0.617	-6.26	-0.0482	none

VOPP1	0.088	0.0237	0.7696	0.45994	0.617	-6.26	1.13094	none
ONECUT1	-0.068	-0.0593	-0.77	0.46	0.617	-6.26	-0.1836	none
PTPRQ	0.066	0.0669	0.7695	0.46	0.617	-6.26	-0.2605	none
C1ORF74	-0.073	-0.0766	-0.769	0.46016	0.617	-6.26	1.18791	none
GPR19	-0.122	-0.1928	-0.769	0.46024	0.617	-6.26	1.03158	none
RBM22	0.075	0.065	0.7688	0.4604	0.617	-6.26	0.70639	none
PAX4	0.073	0.091	0.7685	0.46056	0.617	-6.26	0.08219	none
PCDHA13	-0.054	-0.0391	-0.768	0.46067	0.618	-6.26	0	none
THAP8	-0.182	-0.1376	-0.768	0.46074	0.618	-6.26	0.06673	none
FIS1	-0.136	-0.1871	-0.768	0.46078	0.618	-6.26	1.06212	none
EIF4EBP1	-0.09	-0.0395	-0.768	0.46102	0.618	-6.26	0.32532	none
PLA2G2F	0.054	0.0498	0.7677	0.46104	0.618	-6.26	0	none
CTAGE4	-0.054	-0.0667	-0.767	0.46122	0.618	-6.26	1.16849	none
FXYD2	0.274	0.1531	0.767	0.4614	0.618	-6.26	-0.3674	none
H2AFJ	-0.112	-0.1723	-0.767	0.46158	0.618	-6.26	0.4989	none
HACL1	-0.077	-0.1332	-0.767	0.46171	0.619	-6.26	0.83652	none
GJD3	-0.058	-0.0635	-0.766	0.46173	0.619	-6.26	1.50067	none
STAT1	0.112	0.1351	0.7664	0.46178	0.619	-6.26	0.33524	none
SLC27A3	0.129	0.181	0.7661	0.46196	0.619	-6.27	0.01677	none
PSMB10	-0.123	-0.1568	-0.766	0.46202	0.619	-6.27	1.46803	none
ENDOU	-0.108	-0.074	-0.765	0.46232	0.619	-6.27	1.12799	none
SFTA3	-0.091	-0.0591	-0.765	0.46232	0.619	-6.27	0.67467	none
BAIAP2L2	-0.058	-0.0441	-0.765	0.46235	0.619	-6.27	1.61804	none
LIME1	-0.119	-0.2753	-0.765	0.46246	0.619	-6.27	0.32842	none
COTL1	-0.114	-0.1393	-0.765	0.46247	0.619	-6.27	0.24338	none
PCYOX1L	0.093	0.0889	0.7651	0.46251	0.619	-6.27	0.95635	none
ARHGAP19	-0.167	-0.0507	-0.765	0.46254	0.619	-6.27	1.27732	none
SLC4A2	-0.097	-0.0456	-0.765	0.46276	0.619	-6.27	1.02244	none
FBXO17	0.067	0.0394	0.7645	0.46282	0.619	-6.27	-0.4265	none
LRP12	0.099	0.1206	0.7645	0.46285	0.619	-6.27	0.21218	none
B9D2	0.17	0.0864	0.7645	0.46287	0.619	-6.27	-0.6012	none
TMEM187	0.156	0.0625	0.7644	0.46288	0.619	-6.27	-0.1663	none
GALE	0.065	0.0358	0.7642	0.46301	0.619	-6.27	0.5802	none
NOL4	0.063	0.0626	0.7641	0.46305	0.619	-6.27	-0.6951	none
CEACAM3	0.085	0.1002	0.7638	0.46326	0.62	-6.27	-0.6509	none
PMF1-BGL	-0.124	-0.1779	-0.764	0.46329	0.62	-6.27	0.36722	none
LDHD	0.114	0.0848	0.7635	0.46342	0.62	-6.27	-0.3273	none
CSH2	0.064	0.0632	0.7634	0.46345	0.62	-6.27	0.92852	none
TTC34	0.049	0.0281	0.7627	0.46385	0.62	-6.27	0	none
C6ORF120	-0.067	-0.0508	-0.763	0.46395	0.62	-6.27	2.15265	AA-related

SV2B	0.091	0.0352	0.7624	0.46402	0.62	-6.27	-0.799	none
GPR55	0.142	0.0851	0.7621	0.4642	0.621	-6.27	0.38007	none
SDHAF2	0.114	0.0395	0.7616	0.46451	0.621	-6.27	0.11805	none
SYNGR2	-0.125	-0.1514	-0.761	0.46461	0.621	-6.27	0.62172	none
SAMD1	0.091	0.1603	0.761	0.46483	0.621	-6.27	0.94222	none
SEMA6D	0.053	0.0521	0.7609	0.4649	0.621	-6.27	-0.4481	none
HIST1H2BJ	0.142	0.077	0.7609	0.46491	0.621	-6.27	0.22092	none
COMMD5	-0.1	-0.0647	-0.76	0.46516	0.622	-6.27	1.28255	none
KRTCAP3	-0.098	0.0328	-0.76	0.46518	0.622	-6.27	1.44919	none
EDDM3A	0.062	0.062	0.7604	0.46519	0.622	-6.27	1.19688	none
MAD2L2	-0.075	-0.0733	-0.76	0.46543	0.622	-6.27	0.95532	none
AASDH	-0.151	-0.1336	-0.76	0.46546	0.622	-6.27	1.28499	none
ELL3	0.109	0.0517	0.7593	0.4658	0.622	-6.27	-0.9494	none
PARD3	0.112	0.1461	0.7592	0.46589	0.622	-6.27	-0.2576	none
MFSD6L	-0.048	-0.0277	-0.759	0.46592	0.622	-6.27	1.30958	none
CA4	-0.057	-0.0087	-0.759	0.46592	0.622	-6.27	2.09051	none
NCS1	-0.064	-0.0323	-0.759	0.46601	0.622	-6.27	0.1194	none
DLX5	0.051	0.0509	0.7588	0.46609	0.622	-6.27	0	none
OR4M2	-0.074	-0.0312	-0.758	0.46635	0.623	-6.27	1.48825	none
PLEK	0.132	0.0745	0.7582	0.46645	0.623	-6.27	-0.681	none
SPARC	0.096	0.0645	0.758	0.46653	0.623	-6.27	1.42914	none
EBLN2	0.078	0.0533	0.7577	0.46675	0.623	-6.27	0.56527	none
SH3GL2	-0.052	-0.0419	-0.757	0.46688	0.623	-6.27	1.12675	none
ZNF878	-0.062	-0.0053	-0.757	0.46694	0.623	-6.27	0.84291	none
UTP3	0.155	0.2538	0.7573	0.46694	0.623	-6.27	0.01549	none
CEL	0.057	0.0651	0.7573	0.46695	0.623	-6.27	-0.5147	none
ABHD12	0.119	0.1138	0.7572	0.467	0.623	-6.27	-0.2367	none
GEMIN8	-0.058	-0.0619	-0.757	0.46701	0.623	-6.27	0.78034	none
PPIG	0.198	0.3056	0.7569	0.46717	0.623	-6.27	0.36561	none
TGM6	-0.087	-0.0967	-0.756	0.46748	0.624	-6.27	1.34552	none
TMEM72	0.066	0.0862	0.7561	0.46763	0.624	-6.27	1.40251	none
TMEM126	-0.093	-0.1345	-0.756	0.4677	0.624	-6.27	0.37966	none
SYT7	-0.081	-0.042	-0.756	0.46774	0.624	-6.27	-0.0546	none
BICC1	-0.066	-0.0687	-0.756	0.46781	0.624	-6.27	1.81406	none
MGMT	-0.101	-0.0941	-0.756	0.46785	0.624	-6.27	1.6285	none
OR4C13	-0.06	-0.06	-0.755	0.46831	0.624	-6.27	-0.2807	none
DOCK10	0.224	0.3265	0.7549	0.46833	0.624	-6.27	-0.3037	none
MEDAG	-0.078	-0.0779	-0.755	0.46837	0.624	-6.27	1.94317	none
PTPRA	0.196	0.2714	0.7546	0.46852	0.625	-6.27	0.39051	none
OR4D11	0.061	0.0612	0.7545	0.46857	0.625	-6.27	0.84279	none



FSCN2	0.065	0.0797	0.7543	0.46866	0.625	-6.27	0.37922	none
NAT14	0.175	0.1411	0.7543	0.46869	0.625	-6.27	0.37437	none
HSPB3	-0.06	-0.0599	-0.754	0.4687	0.625	-6.27	1.9054	none
DNAJC4	0.102	0.0648	0.7542	0.46872	0.625	-6.27	0.56901	none
ITPRIP	0.13	0.2157	0.7541	0.46876	0.625	-6.27	0.6142	none
TMSB15A	-0.112	-0.1114	-0.754	0.46882	0.625	-6.27	0.23288	none
TPSAB1	-0.069	-0.0321	-0.754	0.46884	0.625	-6.27	1.12912	none
PSMG3	-0.113	-0.1241	-0.754	0.469	0.625	-6.27	-0.3287	none
FAM222A	-0.084	-0.0307	-0.753	0.46919	0.625	-6.27	0.31072	none
COX8C	-0.061	-0.0607	-0.753	0.46925	0.625	-6.27	0.5687	none
CORO7-PA	-0.081	-0.0515	-0.753	0.46933	0.625	-6.28	0.58415	none
RTN4	0.069	0.0452	0.7531	0.46934	0.625	-6.28	-0.1379	none
TOX2	0.139	0.2181	0.753	0.46943	0.625	-6.28	0.036	none
CEBPG	0.06	0.0809	0.753	0.46944	0.625	-6.28	0.56824	none
TUBA8	0.166	0.0968	0.7529	0.46947	0.625	-6.28	-0.1974	none
CFAP43	-0.056	-0.0277	-0.753	0.46947	0.625	-6.28	-0.3015	none
SLC22A14	0.077	0.0812	0.7529	0.4695	0.625	-6.28	0.02849	none
MAGEA2	-0.06	-0.0597	-0.753	0.46966	0.625	-6.28	1.75405	none
OR2M5	0.061	0.0609	0.7525	0.46972	0.625	-6.28	1.19688	none
PLCH2	0.175	0.1222	0.7524	0.46976	0.625	-6.28	-0.2078	none
SMAD6	0.055	0.0564	0.7517	0.47016	0.626	-6.28	-0.348	none
DYNC2H1	-0.051	-0.0262	-0.752	0.47024	0.626	-6.28	0.58259	none
CAPN13	0.082	0.0822	0.7509	0.47063	0.626	-6.28	1.58251	none
TRIM67	0.053	0.0409	0.7508	0.47067	0.626	-6.28	0.04936	none
ARFRP1	0.065	0.0748	0.7507	0.47072	0.626	-6.28	0.80529	none
PQLC3	0.101	-0.073	0.7504	0.47088	0.626	-6.28	0.4934	none
EPHB3	0.088	0.0991	0.7504	0.4709	0.626	-6.28	0.46418	none
ZNF354C	0.087	0.1368	0.7501	0.4711	0.627	-6.28	0.73509	none
PITRM1	0.17	0.2455	0.7499	0.47117	0.627	-6.28	0.97518	none
MTSS1L	-0.188	-0.1922	-0.75	0.47123	0.627	-6.28	1.28226	none
FCN2	0.061	0.0606	0.7498	0.47124	0.627	-6.28	0.98208	none
CDC37	0.145	0.2296	0.7495	0.47143	0.627	-6.28	0.17455	none
NAA50	0.102	0.0783	0.7494	0.47146	0.627	-6.28	0.86787	none
CHIA	-0.06	-0.0602	-0.749	0.47164	0.627	-6.28	1.98404	none
SLC38A8	0.179	0.0888	0.749	0.4717	0.627	-6.28	-0.2752	none
BANK1	0.268	0.2068	0.749	0.47171	0.627	-6.28	0.77135	none
C10ORF62	-0.065	-0.0498	-0.749	0.47184	0.627	-6.28	-0.4463	none
KRT17	0.123	0.0394	0.7488	0.47185	0.627	-6.28	0.08768	none
GNA13	0.071	0.0246	0.7486	0.47196	0.627	-6.28	0.77123	none
GCSAML	0.092	0.0933	0.7483	0.47209	0.627	-6.28	-0.332	none

TUBA3D	-0.107	-0.1044	-0.748	0.47221	0.627	-6.28	0.75953	none
TSPY3	0.055	0.0599	0.748	0.47227	0.627	-6.28	1.13029	none
FBXO39	-0.076	-0.0555	-0.748	0.47231	0.627	-6.28	1.9354	none
HMGB3	-0.105	-0.1346	-0.748	0.47232	0.627	-6.28	0.18816	none
RIMBP2	0.071	0.0837	0.7474	0.47262	0.628	-6.28	-0.385	none
SLC4A3	-0.068	-0.0425	-0.747	0.47268	0.628	-6.28	0.37443	none
DHX32	0.105	0.1807	0.7469	0.47293	0.628	-6.28	1.23549	none
BTN3A3	0.082	-0.0081	0.7466	0.47309	0.628	-6.28	0.64354	none
NCAPG	0.131	0.1635	0.7466	0.47311	0.628	-6.28	0.59747	none
PTHLH	-0.11	-0.0735	-0.746	0.47322	0.628	-6.28	0.6519	none
SLU7	0.233	0.3531	0.7464	0.47322	0.628	-6.28	0.48322	none
LDLRAD1	0.053	0.054	0.7464	0.47322	0.628	-6.28	-0.0731	none
IGLON5	0.052	0.0532	0.7462	0.47332	0.628	-6.28	-0.5149	none
YPEL3	-0.115	-0.1311	-0.746	0.47337	0.628	-6.28	-0.4618	none
KATNAL2	0.16	0.1995	0.7459	0.47351	0.628	-6.28	1.15425	none
DDT	-0.12	-0.1613	-0.745	0.47383	0.629	-6.28	1.46118	none
RASSF7	-0.076	-0.0834	-0.745	0.47397	0.629	-6.28	2.08997	none
RBM10	0.18	0.304	0.745	0.47402	0.629	-6.28	0.37807	none
TYMS	-0.093	-0.0391	-0.744	0.47446	0.629	-6.28	1.59861	none
FERD3L	0.06	0.0598	0.7441	0.47454	0.63	-6.28	1.19688	none
LSAMP	-0.157	-0.1162	-0.744	0.47457	0.63	-6.28	0.63393	none
CST1	0.065	0.0654	0.7439	0.47466	0.63	-6.28	-0.0788	none
SLC35A2	-0.145	-0.1524	-0.744	0.47468	0.63	-6.28	1.2532	none
FKBP2	-0.069	-0.0091	-0.744	0.47483	0.63	-6.28	0.97608	none
CX3CR1	-0.073	-0.0481	-0.744	0.47487	0.63	-6.28	0.00898	none
DXO	-0.214	-0.1215	-0.743	0.47502	0.63	-6.28	0.69809	none
GRASP	-0.166	-0.1563	-0.743	0.47503	0.63	-6.28	0.06022	none
RAB3GAP2	0.167	0.2052	0.7432	0.47508	0.63	-6.28	0.21529	none
ABCA12	0.07	0.0785	0.7431	0.4751	0.63	-6.28	1.19418	none
IL1RAP	0.111	0.1591	0.7431	0.47513	0.63	-6.28	-0.153	none
ACTL7A	-0.059	-0.0363	-0.743	0.47527	0.63	-6.28	0.04755	none
CLEC4G	-0.054	-0.0297	-0.743	0.4753	0.63	-6.28	1.04562	none
SSRP1	0.161	0.2588	0.7428	0.4753	0.63	-6.28	0.36494	none
PLA2G12B	0.083	0.0321	0.7426	0.47542	0.63	-6.28	0.883	none
SOD3	-0.058	-0.0584	-0.743	0.47543	0.63	-6.28	2.02693	none
FBXO32	0.126	0.1643	0.7425	0.47546	0.63	-6.28	0.88932	none
DNALI1	-0.055	-0.0474	-0.742	0.47557	0.63	-6.28	0.41893	none
RAB43	0.113	0.1099	0.7421	0.47569	0.63	-6.28	-0.1867	none
ZBTB48	0.16	0.1665	0.742	0.47574	0.63	-6.28	-0.3758	none
TOP2B	0.273	0.3763	0.7417	0.47592	0.63	-6.28	0.13894	none

ATG16L1	0.084	0.1174	0.7416	0.47601	0.63	-6.28	0.79843	none
PPM1H	0.053	0.0621	0.7415	0.47606	0.63	-6.28	0.09451	none
DTWD1	0.088	0.0552	0.7411	0.47629	0.631	-6.28	0.637	none
VEGFC	0.055	0.0583	0.741	0.47635	0.631	-6.28	1.453	none
TCEA2	-0.077	-0.0244	-0.741	0.47635	0.631	-6.28	0.49628	none
RNPEPL1	0.131	0.1516	0.7405	0.47665	0.631	-6.28	0.34465	none
IL11RA	0.12	0.1295	0.7404	0.47666	0.631	-6.28	0.00851	none
CXCR4	-0.099	-0.2083	-0.74	0.47679	0.631	-6.28	1.20528	none
TRAF7	-0.072	0.0073	-0.74	0.47697	0.631	-6.29	0.72025	none
STX6	0.106	0.1862	0.7396	0.47714	0.631	-6.29	0.26267	none
NOP16	-0.079	-0.0834	-0.739	0.47732	0.632	-6.29	0.08472	none
SLC35B3	-0.142	-0.2207	-0.739	0.47737	0.632	-6.29	1.03131	none
YKT6	-0.083	-0.0215	-0.739	0.4774	0.632	-6.29	0.95087	none
DTX4	0.134	0.1243	0.739	0.47746	0.632	-6.29	-0.5547	none
TMEM164	-0.137	-0.035	-0.739	0.47754	0.632	-6.29	-0.0301	none
KRTAP9-8	0.059	0.0591	0.7388	0.47763	0.632	-6.29	-0.5246	none
PTP4A3	-0.101	-0.1018	-0.739	0.47763	0.632	-6.29	1.20197	none
PGLYRP1	-0.079	-0.0531	-0.739	0.47764	0.632	-6.29	-0.1957	none
PPP1R12B	0.167	0.1718	0.7386	0.4777	0.632	-6.29	-0.5858	none
PGM5	0.105	0.1329	0.7385	0.47777	0.632	-6.29	-0.3023	none
FAM107A	0.049	0.0546	0.7382	0.47793	0.632	-6.29	-0.6434	none
FBLN5	0.08	0.0188	0.7382	0.47793	0.632	-6.29	-0.1967	none
MTMR6	0.109	0.0641	0.7379	0.4781	0.632	-6.29	1.40532	none
IL7	-0.12	-0.2215	-0.737	0.47844	0.632	-6.29	-0.1736	none
LGI3	0.05	0.053	0.7369	0.47868	0.633	-6.29	-0.8506	none
MYBPC2	0.116	0.1205	0.7369	0.47873	0.633	-6.29	0.9051	none
RAB2A	0.062	0.0384	0.7367	0.47882	0.633	-6.29	0.59749	none
CGB7	-0.049	-0.031	-0.737	0.47885	0.633	-6.29	0	none
SMPDL3A	-0.088	-0.0454	-0.737	0.47889	0.633	-6.29	0.57936	none
GLUD2	-0.049	-0.0482	-0.736	0.47899	0.633	-6.29	0.70545	none
C6ORF226	-0.167	-0.1271	-0.736	0.47899	0.633	-6.29	1.34741	none
NAA38	-0.129	-0.1733	-0.736	0.47899	0.633	-6.29	0.53054	none
MRPS25	-0.083	-0.0714	-0.736	0.47901	0.633	-6.29	0.0067	none
RIPK4	-0.05	-0.033	-0.736	0.4791	0.633	-6.29	0.21716	none
MGAT5	0.149	0.19	0.7361	0.47916	0.633	-6.29	0.66354	none
ASAP1	-0.19	0.011	-0.736	0.4793	0.633	-6.29	-0.0165	none
LNX1	0.143	0.1128	0.7357	0.4794	0.633	-6.29	0.98842	none
CLEC9A	0.059	0.0587	0.7357	0.47942	0.633	-6.29	1.2124	none
LST1	-0.151	-0.2936	-0.735	0.47955	0.633	-6.29	1.15711	none
FAM24B	0.124	0.0909	0.7354	0.47956	0.633	-6.29	0.0546	none

MST1R	-0.087	-0.0132	-0.735	0.47969	0.633	-6.29	0.08133	none
GPR52	-0.049	-0.0306	-0.735	0.47981	0.633	-6.29	2.25038	AA-related
KCNC3	0.058	0.094	0.735	0.47981	0.633	-6.29	0.54314	none
FLVCR2	0.112	0.0962	0.7349	0.47989	0.633	-6.29	0.97361	none
RBM42	-0.064	-0.0269	-0.735	0.48005	0.634	-6.29	0.52099	none
OR52D1	-0.057	-0.0574	-0.735	0.48005	0.634	-6.29	1.9054	none
ELF4	0.093	0.1193	0.7346	0.48007	0.634	-6.29	0.58143	none
FGF23	0.095	0.0607	0.7345	0.48012	0.634	-6.29	-0.1772	none
FBLN2	-0.123	-0.0334	-0.734	0.48024	0.634	-6.29	-0.3839	none
PRPF31	0.096	0.1633	0.7342	0.48027	0.634	-6.29	0.54348	none
SSC5D	0.062	0.0898	0.734	0.48038	0.634	-6.29	1.59834	none
XPC	0.134	0.2637	0.7336	0.48063	0.634	-6.29	0.24447	none
MCTP1	-0.092	-0.0494	-0.733	0.48077	0.634	-6.29	-0.2425	none
EFCC1	-0.049	-0.0242	-0.733	0.48084	0.634	-6.29	0	none
ZNF239	-0.079	-0.0745	-0.733	0.48091	0.634	-6.29	0.21068	none
NQO2	0.087	-0.0014	0.733	0.48098	0.634	-6.29	-0.1438	none
ADAM8	0.087	0.1764	0.7329	0.48102	0.634	-6.29	1.31558	none
PRF1	0.072	0.0811	0.7328	0.4811	0.634	-6.29	-0.2251	none
TRPM2	0.085	0.0939	0.7325	0.48128	0.635	-6.29	0.15241	none
ADCY1	-0.083	-0.0555	-0.732	0.48144	0.635	-6.29	0.2631	none
KBTBD11	0.107	0.1427	0.732	0.48155	0.635	-6.29	0.30114	none
RAB34	-0.129	-0.1754	-0.732	0.48173	0.635	-6.29	0.54646	none
TEKT2	0.085	0.0414	0.7317	0.48175	0.635	-6.29	-0.9254	none
USP1	0.162	0.2339	0.7315	0.48184	0.635	-6.29	0.70035	none
SPEF1	0.054	0.0619	0.7315	0.48184	0.635	-6.29	-0.0862	none
ARHGAP21	0.177	0.2168	0.7311	0.48208	0.635	-6.29	-0.1437	none
SLC9A5	0.099	0.114	0.731	0.48215	0.635	-6.29	0.59526	none
CDCA7L	-0.097	-0.0333	-0.731	0.48216	0.635	-6.29	2.09793	AA-related
UTP18	-0.064	-0.0343	-0.731	0.48235	0.635	-6.29	1.99077	none
FAM228A	0.076	0.0784	0.7305	0.48241	0.635	-6.29	0.08996	none
WNT8A	-0.049	-0.0494	-0.731	0.48242	0.635	-6.29	-0.2181	none
CTSL	-0.124	-0.0858	-0.73	0.48257	0.636	-6.29	1.27315	none
PSMD12	0.083	0.1113	0.7302	0.4826	0.636	-6.29	0.21092	none
GADD45B	-0.19	0.0073	-0.73	0.48281	0.636	-6.29	1.89098	none
TIMD4	0.121	0.0235	0.7298	0.48286	0.636	-6.29	-0.0253	none
FBXL4	0.077	-0.0167	0.7295	0.48302	0.636	-6.29	0.44963	none
IL27	-0.062	-0.0171	-0.729	0.48318	0.636	-6.29	0.33711	none
TSPAN32	0.226	0.1214	0.729	0.4833	0.636	-6.29	0.08057	none
BORA	-0.131	-0.1159	-0.729	0.48333	0.636	-6.29	1.1274	none
MAP3K8	0.086	0.0345	0.729	0.48333	0.636	-6.29	-0.6545	none

DAXX	-0.245	0.0319	-0.728	0.4837	0.637	-6.29	0.4282	none
ALKBH5	0.071	0.1004	0.728	0.48388	0.637	-6.29	0.65908	none
C5ORF15	-0.117	-0.1659	-0.728	0.48395	0.637	-6.29	0.5445	none
CLCNKB	-0.08	-0.0799	-0.728	0.48403	0.637	-6.29	-0.2456	none
CHCHD5	0.143	0.0883	0.7277	0.48409	0.637	-6.29	-0.4345	none
MRFAP1L1	-0.059	-0.1142	-0.727	0.48429	0.637	-6.29	0.4767	none
EPOR	-0.095	-0.1074	-0.727	0.48448	0.637	-6.29	0.43055	none
MMP2	0.062	0.0708	0.727	0.48448	0.637	-6.29	-0.5022	none
TANK	-0.134	-0.0677	-0.727	0.4847	0.638	-6.3	1.54945	none
PPP1CC	0.077	-0.0192	0.7258	0.4852	0.638	-6.3	-0.0201	none
RXRA	0.085	0.1373	0.7255	0.48533	0.638	-6.3	0.30825	none
SH3RF1	0.147	0.1812	0.7254	0.48543	0.638	-6.3	-0.5279	none
IPO9	0.154	0.1893	0.7253	0.48547	0.638	-6.3	0.58715	none
CBARP	-0.055	-0.0345	-0.725	0.48588	0.639	-6.3	1.42756	none
GNA14	0.062	0.0569	0.7246	0.48589	0.639	-6.3	1.08718	none
ANKRD63	0.055	0.0567	0.7244	0.48602	0.639	-6.3	0.62656	none
DLD	-0.073	-0.09	-0.724	0.48618	0.639	-6.3	0.77286	none
TRPT1	-0.111	-0.1731	-0.724	0.48619	0.639	-6.3	1.00933	none
NR3C1	0.101	0.115	0.7238	0.48635	0.639	-6.3	-0.1846	none
SDR42E1	-0.072	-0.0778	-0.724	0.4864	0.639	-6.3	-0.41	none
TPRG1	0.202	0.036	0.7237	0.48641	0.639	-6.3	-0.7991	none
SMC3	0.268	0.4291	0.7237	0.48641	0.639	-6.3	0.41847	none
CDR2L	-0.077	0.0114	-0.723	0.48654	0.639	-6.3	-0.0192	none
FIZ1	0.135	0.1429	0.7232	0.48673	0.639	-6.3	0.37516	none
SHISA5	0.072	0.0119	0.7231	0.48676	0.639	-6.3	-0.4449	none
LCN1	0.057	0.0571	0.7229	0.48688	0.64	-6.3	0.44852	none
FGG	-0.071	-0.0854	-0.723	0.48689	0.64	-6.3	0.56939	none
LMCD1	-0.081	-0.0642	-0.722	0.48727	0.64	-6.3	-0.2905	none
LRRN4	0.069	0.0786	0.7221	0.48734	0.64	-6.3	-0.9418	none
NKG7	0.182	0.0774	0.7221	0.48735	0.64	-6.3	0.48655	none
SDC1	-0.052	-0.052	-0.722	0.48759	0.64	-6.3	0.08681	none
MICB	-0.127	-0.0458	-0.722	0.48765	0.64	-6.3	0.16539	none
RANBP17	-0.118	-0.1342	-0.721	0.48783	0.64	-6.3	0.63478	none
CDH24	-0.054	-0.0478	-0.721	0.48805	0.641	-6.3	0.32273	none
GSC	-0.053	-0.0551	-0.721	0.48816	0.641	-6.3	0	none
FMN1	0.062	0.026	0.7207	0.48817	0.641	-6.3	-0.8786	none
SNX6	0.066	0.0043	0.7207	0.48817	0.641	-6.3	0.76761	none
IFT52	0.087	-0.0532	0.7202	0.48849	0.641	-6.3	0.17396	none
FBXL19	0.188	0.2944	0.7201	0.48851	0.641	-6.3	0.49924	none
HMGXB4	0.12	0.1697	0.7201	0.48853	0.641	-6.3	0.77531	none

UPF2	0.203	0.2741	0.7197	0.48874	0.641	-6.3	-0.2147	none
ADIPOR1	-0.094	-0.1265	-0.72	0.4888	0.641	-6.3	0.23871	none
PPP1R26	-0.113	-0.0327	-0.719	0.48907	0.642	-6.3	0.34642	none
RGS7BP	0.057	0.0566	0.7191	0.48911	0.642	-6.3	1.16258	none
HIST1H1T	-0.055	-0.0555	-0.719	0.4893	0.642	-6.3	-0.3521	none
INSL5	-0.055	-0.0555	-0.719	0.48932	0.642	-6.3	1.9054	none
FAHD2B	-0.119	-0.0421	-0.719	0.48932	0.642	-6.3	1.49957	none
GPR148	0.062	0.0438	0.7187	0.48933	0.642	-6.3	0.67502	none
GBP2	0.195	0.28	0.7187	0.48937	0.642	-6.3	0.851	none
GBP5	0.16	0.184	0.7184	0.48955	0.642	-6.3	0.7275	none
BCL7C	0.084	0.0458	0.7183	0.48958	0.642	-6.3	-0.6513	none
MAP1LC3A	0.108	-0.0064	0.718	0.48977	0.642	-6.3	-0.1745	none
SRMS	0.055	0.0388	0.7179	0.4898	0.642	-6.3	0	none
PHLDA2	0.106	0.152	0.7179	0.48982	0.642	-6.3	1.44226	none
OSTC	-0.116	-0.2358	-0.718	0.48982	0.642	-6.3	0.4089	none
SMIM15	-0.096	-0.1083	-0.718	0.48986	0.642	-6.3	1.83371	none
UXS1	0.078	0.0915	0.7166	0.49058	0.643	-6.3	-0.6552	none
SMIM18	-0.367	-0.288	-0.716	0.49073	0.643	-6.3	1.70328	none
OTUD6B	0.158	0.1308	0.7161	0.4909	0.643	-6.3	-0.0808	none
IL12A	0.157	0.1758	0.716	0.49097	0.643	-6.3	0.68817	none
SLC22A18	-0.149	-0.3053	-0.716	0.491	0.643	-6.3	0.36134	none
CCDC115	0.107	0.0049	0.7159	0.49103	0.643	-6.3	0.08179	none
ANKRD31	0.05	0.0402	0.7158	0.49108	0.643	-6.3	-0.7578	none
TLE1	-0.095	-0.0877	-0.716	0.49121	0.643	-6.3	-0.2579	none
ALDH3B2	-0.096	-0.0508	-0.715	0.49135	0.643	-6.3	0.47464	none
C6ORF201	-0.208	-0.1228	-0.715	0.49149	0.644	-6.3	1.61679	none
ADPRHL2	-0.077	-0.037	-0.715	0.49155	0.644	-6.3	0.82948	none
DNER	0.068	0.0488	0.7149	0.49161	0.644	-6.3	0.86371	none
CTSF	-0.08	-0.0846	-0.715	0.49164	0.644	-6.3	1.76422	none
ING2	0.11	0.1094	0.7148	0.49166	0.644	-6.3	1.38101	none
PGGT1B	-0.165	-0.1424	-0.715	0.4918	0.644	-6.3	0.55976	none
HIST1H3A	0.216	0.2178	0.7144	0.49188	0.644	-6.3	0.3258	none
PIGM	0.067	0.0164	0.7139	0.49219	0.644	-6.3	-0.7157	none
CD300C	0.082	0.1416	0.7139	0.49221	0.644	-6.3	0.51352	none
GRM1	0.053	0.022	0.7132	0.49259	0.645	-6.31	-0.614	none
SNX24	-0.12	-0.0979	-0.713	0.49265	0.645	-6.31	0.07572	none
OR4Q3	0.1	0.0819	0.7131	0.49267	0.645	-6.31	-0.2337	none
TMEM171	0.049	0.0647	0.7131	0.49267	0.645	-6.31	0.07128	none
MAZ	-0.048	-0.0145	-0.713	0.49268	0.645	-6.31	1.58169	none
XPO7	0.15	0.2382	0.7128	0.49284	0.645	-6.31	0.4544	none

AIDA	0.058	0.0252	0.7127	0.49287	0.645	-6.31	0.59135	none
OIT3	-0.059	-0.0591	-0.713	0.49288	0.645	-6.31	0.74937	none
DNAH1	0.096	0.1974	0.7125	0.493	0.645	-6.31	1.54026	none
HARS	0.08	0.0792	0.712	0.49329	0.645	-6.31	0.07937	none
PDCL3	-0.064	-0.0887	-0.712	0.49346	0.645	-6.31	-0.5849	none
ARRDC4	0.051	0.0475	0.7117	0.49348	0.645	-6.31	1.18718	none
WDYHV1	-0.094	-0.1665	-0.712	0.49348	0.645	-6.31	0.80654	none
FAM174A	-0.123	-0.117	-0.711	0.49376	0.645	-6.31	1.61181	none
GJC3	-0.05	-0.065	-0.711	0.49384	0.646	-6.31	1.65341	none
FCRL4	0.06	0.0764	0.7111	0.49385	0.646	-6.31	-0.1498	none
ITGA9	0.08	0.0989	0.7109	0.49399	0.646	-6.31	0.42551	none
SDF2L1	-0.088	-0.0976	-0.711	0.49412	0.646	-6.31	0.50497	none
PLEKHO2	0.068	0.0382	0.7104	0.49426	0.646	-6.31	0.36955	none
BATF3	-0.122	-0.1414	-0.71	0.49445	0.646	-6.31	1.1065	none
RDH14	-0.091	-0.0644	-0.71	0.49464	0.646	-6.31	1.92763	none
PPP1R3C	0.065	0.0152	0.7097	0.49467	0.646	-6.31	-0.8385	none
UAP1	0.102	0.0231	0.7094	0.49485	0.646	-6.31	0.45737	none
OR4A16	0.055	0.0554	0.7094	0.49487	0.646	-6.31	0.66005	none
RPL36A-HI	-0.157	-0.1395	-0.709	0.49488	0.646	-6.31	1.41152	none
GPR65	0.071	-0.0575	0.709	0.49507	0.647	-6.31	-0.032	none
BRAT1	0.05	0.0649	0.7087	0.49524	0.647	-6.31	0.62442	none
MYBPH	0.046	0.0511	0.7085	0.49537	0.647	-6.31	0	none
CD74	0.131	0.1558	0.7083	0.49548	0.647	-6.31	0.34875	none
PPP1CB	0.093	0.0108	0.7082	0.49555	0.647	-6.31	-0.681	none
OR52B6	0.055	0.0553	0.7082	0.49556	0.647	-6.31	-0.5265	none
C20ORF17	0.099	0.0988	0.7076	0.49591	0.647	-6.31	0.67856	none
ZNF485	0.114	0.1303	0.7075	0.49599	0.647	-6.31	0.01106	none
SREK1	0.178	0.2913	0.7074	0.49601	0.647	-6.31	-0.2886	none
SMR3B	0.055	0.0552	0.7074	0.49604	0.647	-6.31	0.08915	none
VHLL	0.055	0.0552	0.7074	0.49604	0.647	-6.31	-0.7211	none
SS18L2	-0.102	-0.1974	-0.707	0.49611	0.647	-6.31	0.1322	none
SLC3A2	-0.066	-0.006	-0.707	0.49638	0.648	-6.31	0.84603	none
DKK4	0.05	0.0547	0.7067	0.49647	0.648	-6.31	1.58387	none
CBFA2T3	0.078	0.1232	0.7066	0.49649	0.648	-6.31	-0.7356	none
MPZ	-0.08	-0.0203	-0.707	0.49653	0.648	-6.31	1.57719	none
SRSF9	-0.09	-0.0611	-0.707	0.49654	0.648	-6.31	0.3103	none
C11ORF71	0.135	0.0598	0.706	0.49686	0.648	-6.31	0.15593	none
APOBEC3E	-0.137	-0.0677	-0.706	0.497	0.648	-6.31	1.37454	none
OR2Z1	-0.056	-0.0171	-0.706	0.49701	0.648	-6.31	0.10458	none
TXNDC15	0.087	-0.0384	0.7058	0.49701	0.648	-6.31	-0.7707	none

TFPI2	0.052	0.0546	0.7058	0.49702	0.648	-6.31	-0.8452	none
TVP23C-CI	0.213	0.0833	0.7056	0.49709	0.648	-6.31	0.18226	none
KRBOX4	0.132	0.1178	0.7056	0.49709	0.648	-6.31	0.06928	none
SLC38A4	-0.053	-0.0536	-0.706	0.49709	0.648	-6.31	0.5382	none
C19ORF24	-0.144	-0.0917	-0.706	0.49714	0.648	-6.31	1.29642	none
TNFRSF8	0.093	0.1689	0.7053	0.49727	0.648	-6.31	0.08581	none
ITLN2	-0.054	-0.0539	-0.705	0.49728	0.648	-6.31	-0.7212	none
LIG3	0.097	0.2006	0.7051	0.49742	0.648	-6.31	1.3002	none
NUP54	0.096	0.0257	0.7049	0.49753	0.648	-6.31	-0.6411	none
DEFA6	0.055	0.0548	0.7042	0.49792	0.649	-6.31	0.66005	none
KDR	-0.074	-0.0511	-0.704	0.49808	0.649	-6.31	0.0539	none
NPRL2	-0.065	-0.0987	-0.704	0.49832	0.649	-6.31	1.23873	none
SRD5A3	0.098	0.0022	0.7035	0.49834	0.649	-6.31	1.01971	none
SLC35G6	0.052	0.0374	0.7035	0.49838	0.649	-6.31	0.97443	none
COX14	-0.115	-0.1732	-0.703	0.4984	0.649	-6.31	0.89668	none
UBR7	-0.069	-0.0678	-0.703	0.4985	0.649	-6.31	1.69837	none
OBSCN	0.106	0.1426	0.7033	0.4985	0.649	-6.31	-0.6322	none
DHX16	0.136	0.2582	0.7027	0.49886	0.65	-6.31	0.79826	none
ATP12A	0.047	0.0473	0.7025	0.49895	0.65	-6.31	0.46778	none
CBY1	0.104	0.069	0.7025	0.49898	0.65	-6.31	0.9977	none
DCP2	0.179	0.1014	0.7024	0.49904	0.65	-6.31	0.49758	none
SENP3	-0.084	0.0102	-0.702	0.49904	0.65	-6.31	0.61259	none
SPAG8	0.089	0.0865	0.7021	0.4992	0.65	-6.31	0.97526	none
MCCD1	0.055	0.0545	0.7019	0.4993	0.65	-6.31	0.66005	none
GPS1	0.095	0.0818	0.7019	0.49933	0.65	-6.31	-0.4148	none
KRT2	0.062	0.069	0.7016	0.49947	0.65	-6.31	0.48712	none
SEC61A1	0.073	0.0521	0.7016	0.49949	0.65	-6.31	1.08782	none
SLC43A3	-0.084	0.0074	-0.701	0.49958	0.65	-6.31	1.0456	none
ANGPTL7	-0.055	-0.057	-0.701	0.49992	0.65	-6.31	1.14986	none
ATXN7L3	-0.074	0.0238	-0.701	0.49997	0.65	-6.31	1.42989	none
LECT2	-0.107	-0.0803	-0.701	0.49999	0.65	-6.31	0.00909	none
BSPH1	0.056	0.056	0.7007	0.50003	0.65	-6.31	-0.1117	none
PRR26	0.051	0.021	0.7006	0.5001	0.65	-6.31	-0.1462	none
GBE1	-0.147	-0.1113	-0.7	0.50017	0.65	-6.31	2.14384	AA-related
ADORA2B	-0.073	-0.071	-0.7	0.50018	0.65	-6.31	0.12115	none
CNOT8	-0.062	-0.1149	-0.7	0.50021	0.65	-6.31	0.20466	none
TOMM34	0.095	0.1565	0.7004	0.50023	0.65	-6.31	-0.1258	none
TIFA	0.09	-0.0211	0.7	0.50046	0.651	-6.31	1.39403	none
AGBL2	0.115	0.0854	0.6998	0.50053	0.651	-6.31	-0.0649	none
NKRF	0.127	0.2081	0.6997	0.50061	0.651	-6.31	1.15101	none



SPATA32	0.164	0.1356	0.6997	0.50061	0.651	-6.31	-0.048	none
KLF2	-0.189	-0.275	-0.7	0.50069	0.651	-6.31	0.06724	none
ZNF695	0.125	0.117	0.6995	0.50075	0.651	-6.32	1.32841	none
UBQLN4	0.112	0.1666	0.6994	0.50079	0.651	-6.32	0.04161	none
MBNL2	0.099	0.1332	0.6992	0.5009	0.651	-6.32	0.43693	none
ADAMTS1	0.054	0.0542	0.6992	0.50092	0.651	-6.32	1.19688	none
RCC2	0.079	0.1416	0.6991	0.50099	0.651	-6.32	-0.379	none
C6ORF223	0.052	0.0075	0.6984	0.50143	0.651	-6.32	-0.507	none
SMAD7	0.107	0.1626	0.6983	0.50149	0.651	-6.32	0.47313	none
ABI1	-0.076	-0.1488	-0.698	0.5015	0.651	-6.32	1.15941	none
CYB5A	-0.095	-0.1874	-0.698	0.50151	0.651	-6.32	0.48546	none
PIK3R6	-0.06	-0.0273	-0.698	0.50172	0.652	-6.32	1.47315	none
TATDN1	0.102	-0.0284	0.6978	0.50176	0.652	-6.32	0.46979	none
MEGF6	-0.106	-0.0419	-0.698	0.50177	0.652	-6.32	0.75355	none
C19ORF73	-0.104	#####	-0.698	0.50179	0.652	-6.32	0.42971	none
ADGRB1	0.086	0.0949	0.6976	0.50185	0.652	-6.32	0.90835	none
E4F1	-0.12	0.0467	-0.698	0.50187	0.652	-6.32	1.46018	none
NR2C2AP	-0.086	-0.0732	-0.698	0.5019	0.652	-6.32	0.62666	none
USP30	0.132	0.08	0.6975	0.50191	0.652	-6.32	0.96463	none
OR56A5	-0.053	-0.053	-0.697	0.5021	0.652	-6.32	1.85525	none
INO80B	-0.148	-0.0184	-0.697	0.50233	0.652	-6.32	1.29619	none
CLDN10	0.049	0.0482	0.6967	0.5024	0.652	-6.32	1.49129	none
DDAH2	-0.147	-0.1559	-0.697	0.5024	0.652	-6.32	0.7959	none
MAD1L1	0.086	0.0455	0.6966	0.5025	0.652	-6.32	-0.6499	none
CAPG	0.086	0.0757	0.6957	0.50301	0.653	-6.32	1.09877	none
KCNE1B	-0.079	-0.0533	-0.696	0.5031	0.653	-6.32	1.28781	none
NUDCD1	-0.101	-0.1163	-0.695	0.50316	0.653	-6.32	1.24507	none
BRF2	-0.112	-0.0353	-0.695	0.50327	0.653	-6.32	0.91954	none
CCDC136	0.289	0.2177	0.6952	0.5033	0.653	-6.32	-0.8542	none
OSBP	0.139	0.1925	0.6952	0.50333	0.653	-6.32	-0.0755	none
FOLR1	-0.077	-0.0601	-0.695	0.50336	0.653	-6.32	1.05875	none
INVS	0.114	0.1714	0.6948	0.50356	0.653	-6.32	0.91129	none
GNB3	0.171	0.1006	0.6948	0.50356	0.653	-6.32	-0.1138	none
STOX2	0.052	0.0559	0.6947	0.50359	0.653	-6.32	0.70046	none
DIXDC1	0.191	0.3294	0.6947	0.50359	0.653	-6.32	-0.4064	none
COL4A6	0.052	0.051	0.6946	0.50365	0.653	-6.32	-0.7515	none
C10ORF14	0.054	0.0536	0.6943	0.50387	0.653	-6.32	-0.665	none
LIPM	0.052	0.0532	0.694	0.50401	0.653	-6.32	0.53627	none
EDC4	0.132	0.2509	0.6937	0.50419	0.654	-6.32	0.6643	none
CDHR1	-0.09	-0.0597	-0.694	0.50426	0.654	-6.32	-0.0878	none

GRK6	0.081	0.1251	0.6935	0.50432	0.654	-6.32	-0.314	none
GJA5	-0.053	-0.0535	-0.693	0.50435	0.654	-6.32	0.83551	none
FAM162B	0.054	0.0535	0.6935	0.50436	0.654	-6.32	-0.5288	none
EGLN3	0.125	0.0252	0.6933	0.50445	0.654	-6.32	0.17957	none
ACOT9	0.081	-0.0174	0.6932	0.50453	0.654	-6.32	-0.1539	none
PERM1	-0.083	-0.0133	-0.693	0.5046	0.654	-6.32	1.16565	none
AL049872	-0.233	-0.2243	-0.693	0.50476	0.654	-6.32	1.10672	none
CORO6	-0.121	-0.0632	-0.693	0.50487	0.654	-6.32	1.28857	none
LAMC1	0.079	0.0762	0.6926	0.50488	0.654	-6.32	-0.527	none
CPSF7	0.078	0.1206	0.6915	0.50553	0.655	-6.32	-0.1449	none
SGSM3	0.065	0.0563	0.6914	0.50559	0.655	-6.32	0.63858	none
FASTKD2	0.077	0.0311	0.6907	0.506	0.655	-6.32	1.17327	none
POLD2	-0.078	-0.0344	-0.69	0.50629	0.656	-6.32	0.8678	none
TBCD	0.133	0.1607	0.69	0.50641	0.656	-6.32	1.13916	none
SLC35G4	0.054	0.0537	0.6896	0.50671	0.656	-6.32	-0.8278	none
CST9L	0.053	0.053	0.6894	0.50678	0.656	-6.32	1.19688	none
SMIM20	-0.121	-0.1231	-0.689	0.50683	0.656	-6.32	1.50234	none
TPK1	0.094	0.0361	0.6893	0.50687	0.656	-6.32	1.35785	none
CEMIP	0.083	0.1062	0.6892	0.50695	0.656	-6.32	-0.8169	none
C2CD4B	-0.058	-0.0471	-0.689	0.50704	0.656	-6.32	0.22443	none
KLK8	-0.121	-0.1205	-0.689	0.5071	0.656	-6.32	0.28585	none
AGPAT2	0.099	0.054	0.6889	0.50712	0.656	-6.32	-0.053	none
RAP2A	0.053	0.0694	0.6886	0.5073	0.656	-6.32	0.87589	none
PVALB	0.05	0.0436	0.6877	0.5078	0.657	-6.32	0.61885	none
MS4A3	0.048	0.0613	0.6876	0.50791	0.657	-6.32	1.93555	none
IRF6	-0.08	-0.0574	-0.687	0.50804	0.657	-6.32	-0.1306	none
CALHM1	-0.049	-0.0368	-0.687	0.50816	0.657	-6.32	-0.1361	none
RBM38	-0.088	-0.0479	-0.687	0.50852	0.658	-6.32	-0.1485	none
CCL20	0.153	0.0248	0.6864	0.50863	0.658	-6.32	0.76134	none
TRIM32	0.069	0.0179	0.6863	0.50867	0.658	-6.32	0.0975	none
NRBF2	-0.087	-0.049	-0.686	0.50872	0.658	-6.32	0.56392	none
GOLGA8F	0.045	0.055	0.6859	0.50889	0.658	-6.32	-0.076	none
DLG2	-0.098	-0.0667	-0.686	0.50894	0.658	-6.32	1.34994	none
CYP4F11	-0.051	-0.0314	-0.686	0.50905	0.658	-6.32	0.67906	none
SASS6	0.127	0.1844	0.6856	0.50907	0.658	-6.32	0.42254	none
KIFAP3	-0.075	-0.099	-0.686	0.50911	0.658	-6.32	1.54262	none
PTBP1	0.082	0.1662	0.6856	0.50911	0.658	-6.32	1.46179	none
NXF5	0.053	0.065	0.6854	0.50919	0.658	-6.33	0.66409	none
BDH2	0.135	0.019	0.6849	0.5095	0.658	-6.33	0.41451	none
CHST15	0.073	0.1006	0.6849	0.5095	0.658	-6.33	1.36879	none

SUV39H1	-0.062	0.0103	-0.685	0.50961	0.658	-6.33	1.25136	none
DRD3	-0.048	-0.0524	-0.685	0.50965	0.658	-6.33	1.48116	none
IFNGR2	-0.108	-0.1261	-0.684	0.50979	0.659	-6.33	0.47372	none
CSDE1	0.091	0.0954	0.6844	0.5098	0.659	-6.33	1.08289	none
CASZ1	0.075	0.0477	0.684	0.51006	0.659	-6.33	0.76241	none
SNX17	-0.086	-0.1024	-0.684	0.5101	0.659	-6.33	0.49164	none
WDR87	0.062	0.0625	0.6839	0.51013	0.659	-6.33	-0.7553	none
TUBB	-0.066	-0.039	-0.684	0.51019	0.659	-6.33	1.39929	none
AGTR1	-0.051	-0.0515	-0.684	0.51021	0.659	-6.33	0	none
CACNA1G	0.124	0.1027	0.6829	0.51073	0.659	-6.33	0.48119	none
EXO1	0.136	0.1816	0.6827	0.51083	0.659	-6.33	0.06219	none
ITPKA	-0.073	-0.0261	-0.683	0.51086	0.659	-6.33	1.31552	none
ABTB1	0.068	0.0204	0.6827	0.51086	0.659	-6.33	-0.4539	none
A2M	-0.21	-0.2045	-0.683	0.51095	0.659	-6.33	0.42102	none
THBS2	0.108	0.0926	0.6821	0.51121	0.66	-6.33	-0.1409	none
CASD1	-0.161	-0.1643	-0.682	0.51142	0.66	-6.33	1.27678	none
CDO1	0.053	0.0529	0.6816	0.51148	0.66	-6.33	0.02895	none
IGFBP3	0.14	0.1174	0.6815	0.51159	0.66	-6.33	-0.1291	none
COBL	0.064	0.0599	0.6812	0.51175	0.66	-6.33	0.5923	none
OR51F2	0.052	0.0521	0.6812	0.51178	0.66	-6.33	0.66005	none
SMIM3	-0.092	-0.1536	-0.681	0.51199	0.66	-6.33	0.13819	none
FAAP20	0.107	0.0768	0.6804	0.51223	0.661	-6.33	-0.7704	none
NEK3	-0.105	-0.1012	-0.68	0.51227	0.661	-6.33	0.14409	none
CPSF3	-0.061	-0.065	-0.68	0.51243	0.661	-6.33	0.20185	none
FAM219B	0.089	0.0966	0.6801	0.51244	0.661	-6.33	0.23664	none
ALG12	-0.133	-0.079	-0.68	0.51244	0.661	-6.33	0.50005	none
ANKRD23	-0.083	-0.0543	-0.68	0.51245	0.661	-6.33	0.10641	none
SIX5	-0.063	-0.0012	-0.679	0.51292	0.661	-6.33	0.96595	none
ZNF638	0.113	0.183	0.679	0.51305	0.661	-6.33	0.86022	none
TRIM77	0.052	0.0518	0.6786	0.51335	0.662	-6.33	0.89752	none
KRT73	0.049	0.0571	0.678	0.5137	0.662	-6.33	0.26433	none
KRTAP1-3	-0.051	-0.0507	-0.677	0.51415	0.663	-6.33	1.9054	none
AJAP1	0.049	0.0596	0.6764	0.51468	0.663	-6.33	-0.3595	none
STX18	0.148	0.1633	0.6763	0.51474	0.663	-6.33	1.14371	none
TGFB111	0.126	0.1097	0.676	0.5149	0.663	-6.33	0.02796	none
SLC34A2	0.181	0.169	0.676	0.5149	0.663	-6.33	0.46888	none
HLX	-0.051	0.003	-0.676	0.51498	0.664	-6.33	1.46011	none
DPP3	0.073	0.0752	0.6757	0.51506	0.664	-6.33	0.37497	none
MMP8	0.071	0.0642	0.6757	0.51511	0.664	-6.33	0.05616	none
PPP4R1	0.101	0.0783	0.6753	0.51535	0.664	-6.33	-0.8322	none

SURF2	0.093	0.1121	0.6753	0.51536	0.664	-6.33	0.30584	none
IGFBP7	0.086	0.053	0.6751	0.51543	0.664	-6.33	-0.7284	none
MZF1	0.082	0.0865	0.6747	0.51569	0.664	-6.33	0.95641	none
MRPS12	-0.092	-0.0968	-0.674	0.51582	0.664	-6.33	0.79505	none
OSBPL8	0.155	0.26	0.6744	0.51589	0.664	-6.33	0.35902	none
SAMD9	0.192	0.3011	0.6736	0.51634	0.665	-6.33	0.58483	none
STK11IP	0.096	0.1494	0.6734	0.51647	0.665	-6.33	0.71915	none
IQSEC1	0.179	0.2823	0.6734	0.51647	0.665	-6.33	-0.1041	none
EBNA1BP2	-0.061	-0.0192	-0.673	0.51666	0.665	-6.33	2.90E-04	none
TKTL1	-0.161	-0.1371	-0.673	0.5167	0.665	-6.33	1.72842	none
DPEP1	0.095	0.1573	0.6729	0.51678	0.665	-6.33	0.13819	none
ALOX12	-0.062	0.0677	-0.673	0.51679	0.665	-6.33	0.23409	none
C8ORF88	-0.115	-0.077	-0.673	0.5169	0.665	-6.33	1.86027	none
PAGE4	0.06	0.056	0.6726	0.51699	0.665	-6.33	1.6921	none
SLC22A16	-0.054	-0.0759	-0.672	0.51743	0.666	-6.33	-0.3688	none
ARHGEF11	0.111	0.113	0.6717	0.51753	0.666	-6.33	0.22716	none
C6ORF48	0.076	0.0713	0.6716	0.51761	0.666	-6.33	0.10419	none
BTNL2	0.066	0.0664	0.6715	0.51762	0.666	-6.33	1.13082	none
HIST1H2BI	0.11	0.0127	0.6714	0.51771	0.666	-6.33	0.38804	none
SESTD1	0.202	0.2849	0.6713	0.51774	0.666	-6.33	0.07479	none
PPP1R42	0.175	0.1162	0.6713	0.51777	0.666	-6.33	1.18614	none
TREML2	0.101	0.1559	0.6713	0.51777	0.666	-6.33	-0.2247	none
HNRNPA3	0.097	0.1008	0.6712	0.51782	0.666	-6.34	0.65435	none
METTL23	-0.09	-0.1556	-0.671	0.518	0.666	-6.34	0.79794	none
RHBDL3	0.064	0.068	0.6708	0.51808	0.666	-6.34	1.17066	none
HIST1H2BI	-0.165	-0.1612	-0.671	0.51815	0.666	-6.34	1.07102	none
ORM2	-0.062	-0.0685	-0.671	0.5182	0.666	-6.34	0.64577	none
SLC10A1	-0.055	-0.0366	-0.67	0.51851	0.667	-6.34	1.53032	none
RNF17	0.056	0.0442	0.6691	0.51909	0.667	-6.34	-0.5722	none
ALOX12B	0.106	0.0966	0.6688	0.51931	0.667	-6.34	-0.6714	none
PNMA1	0.072	0.056	0.6687	0.51933	0.667	-6.34	0.45013	none
PDYN	0.181	0.1814	0.6683	0.51959	0.668	-6.34	0.86642	none
OR6C68	-0.05	-0.0498	-0.668	0.5197	0.668	-6.34	-0.2081	none
PANX1	0.078	0.0939	0.6679	0.51984	0.668	-6.34	0.50638	none
XG	-0.05	-0.0497	-0.668	0.51986	0.668	-6.34	1.9054	none
SCAMP3	-0.072	-0.0659	-0.667	0.52012	0.668	-6.34	-0.0329	none
MUCL1	0.047	0.0567	0.6674	0.52013	0.668	-6.34	0.55246	none
H2BFS	-0.088	-0.1357	-0.667	0.52015	0.668	-6.34	1.0612	none
MKRN2OS	0.094	0.1222	0.6673	0.52022	0.668	-6.34	3.63E-04	none
GPAM	0.12	0.1236	0.6666	0.52062	0.669	-6.34	0.75113	none

RDH8	0.179	0.193	0.6665	0.52069	0.669	-6.34	0.44928	none
TAF6L	-0.114	-0.0212	-0.666	0.52073	0.669	-6.34	-0.1453	none
CXORF40B	-0.074	-0.1052	-0.666	0.52074	0.669	-6.34	1.19158	none
BEGAIN	0.104	0.2011	0.6659	0.52105	0.669	-6.34	1.04173	none
FSD1L	-0.081	-0.0212	-0.666	0.52107	0.669	-6.34	-0.0956	none
TCEA3	0.108	0.0747	0.6657	0.52117	0.669	-6.34	-0.1183	none
RFC5	-0.078	-0.106	-0.665	0.52135	0.669	-6.34	1.67155	none
LEPROTL1	0.11	-0.0711	0.6653	0.52142	0.669	-6.34	-0.2325	none
ISM2	-0.05	-0.0488	-0.665	0.52146	0.669	-6.34	-0.4142	none
ALG5	-0.091	-0.1803	-0.665	0.5216	0.669	-6.34	0.22795	none
IWS1	0.214	0.3951	0.6648	0.52173	0.669	-6.34	0.23733	none
WASF3	0.051	0.054	0.6647	0.5218	0.67	-6.34	0.87432	none
ME3	0.143	0.1344	0.6645	0.52193	0.67	-6.34	0.43042	none
EIF3C	0.202	0.3651	0.6644	0.52201	0.67	-6.34	0.73601	none
FEZF2	-0.048	-0.0499	-0.664	0.52201	0.67	-6.34	0	none
OR4A15	-0.049	-0.0493	-0.664	0.52211	0.67	-6.34	0.88916	none
OAS2	0.126	0.1679	0.664	0.52225	0.67	-6.34	0.14395	none
KCNJ8	-0.053	-0.0504	-0.664	0.52239	0.67	-6.34	1.97179	none
P2RY12	-0.047	-0.0256	-0.663	0.5226	0.67	-6.34	0	none
HIST2H2AI	0.088	0.0891	0.6634	0.5226	0.67	-6.34	-0.4419	none
HDHD3	0.08	0.0446	0.6632	0.52271	0.67	-6.34	1.17218	none
CKM	0.048	0.053	0.6625	0.52315	0.671	-6.34	-0.9827	none
MRPL46	0.072	0.015	0.6622	0.52331	0.671	-6.34	-0.155	none
ME1	-0.048	-0.0423	-0.662	0.52332	0.671	-6.34	1.99806	none
CLTB	-0.051	-0.0131	-0.662	0.52333	0.671	-6.34	-0.2438	none
ZNF772	0.089	-0.0282	0.6622	0.52334	0.671	-6.34	-0.9777	none
CST11	-0.065	-0.0869	-0.662	0.52335	0.671	-6.34	-0.4838	none
ZADH2	0.117	0.0785	0.6621	0.52337	0.671	-6.34	0.80753	none
TMEM92	0.045	0.0502	0.6621	0.52338	0.671	-6.34	-0.4713	none
LPIN2	0.126	0.1264	0.6621	0.52341	0.671	-6.34	-0.3623	none
S100A1	-0.111	-0.0956	-0.662	0.52362	0.671	-6.34	0.68479	none
CTAGE15	0.053	0.0433	0.6612	0.52396	0.671	-6.34	0.84605	none
FAM171A	-0.048	-0.0429	-0.661	0.524	0.671	-6.34	1.25377	none
IGFN1	0.049	0.0533	0.661	0.52408	0.671	-6.34	1.33707	none
APOBEC3C	0.111	0.1428	0.6607	0.52427	0.671	-6.34	0.12614	none
IMPA1	-0.093	-0.1654	-0.661	0.52432	0.671	-6.34	1.03003	none
B3GNT4	0.143	0.1508	0.6606	0.52432	0.671	-6.34	0.08709	none
HOMER1	0.183	0.2877	0.6604	0.52446	0.672	-6.34	0.64332	none
GSTM5	0.081	0.0727	0.6601	0.5246	0.672	-6.34	-0.6114	none
CACNA1H	-0.048	-0.0686	-0.66	0.52466	0.672	-6.34	1.64765	none

CACNG2	0.051	0.0489	0.6594	0.52503	0.672	-6.34	-0.6729	none
EQTN	0.05	0.0496	0.6587	0.52548	0.673	-6.34	1.66579	none
EGFL8	0.085	0.0928	0.6585	0.5256	0.673	-6.34	1.17298	none
LY6G6C	0.052	0.0503	0.6584	0.52569	0.673	-6.34	1.32715	none
GSTA5	0.05	0.0495	0.6583	0.52574	0.673	-6.34	0.66005	none
ZBTB43	0.129	0.0898	0.6581	0.52583	0.673	-6.34	-0.5486	none
PIP5K1C	-0.138	0.0252	-0.658	0.52583	0.673	-6.34	0.97375	none
CSF3	-0.054	-0.0818	-0.658	0.52587	0.673	-6.34	-0.4937	none
STUM	-0.078	-0.1105	-0.658	0.5259	0.673	-6.34	0.35201	none
OR6C3	0.049	0.0495	0.658	0.5259	0.673	-6.34	1.19688	none
FAM92B	0.073	0.0391	0.6579	0.52595	0.673	-6.34	-0.739	none
ALOX15	0.092	0.0458	0.6579	0.52597	0.673	-6.34	-0.3607	none
AHSG	-0.095	-0.1199	-0.658	0.52617	0.673	-6.34	0.04013	none
GPD1	-0.09	-0.0499	-0.657	0.5263	0.673	-6.34	1.47593	none
TMPRSS9	0.061	0.0655	0.6572	0.52638	0.673	-6.34	1.61723	none
KRTAP4-8	0.049	0.0494	0.6572	0.52639	0.673	-6.34	-0.8261	none
HNRNPCL3	0.045	0.0451	0.6572	0.5264	0.673	-6.34	0	none
ALLC	0.051	0.0508	0.657	0.52653	0.673	-6.34	0.37625	none
GSTA2	-0.047	-0.0485	-0.657	0.52662	0.673	-6.34	1.00139	none
PRKAR1A	0.087	0.05	0.6566	0.5268	0.673	-6.35	1.12652	none
HSPA4	0.148	0.2372	0.6564	0.52687	0.673	-6.35	0.87415	none
CDKN1B	-0.139	-0.15	-0.656	0.5269	0.673	-6.35	1.58444	none
ZNF503	-0.048	-0.0276	-0.656	0.52692	0.673	-6.35	1.95204	none
NAP1L5	0.125	0.1411	0.6563	0.52696	0.673	-6.35	1.49633	none
PARD3B	-0.112	-0.1203	-0.656	0.52706	0.674	-6.35	0.30363	none
TDRD6	-0.051	-0.0483	-0.656	0.52725	0.674	-6.35	0	none
TXNL4B	0.099	0.0081	0.6555	0.52746	0.674	-6.35	-0.5193	none
ZNF408	0.078	0.0982	0.6554	0.52754	0.674	-6.35	0.12723	none
SMARCA1	-0.058	-0.0627	-0.655	0.52762	0.674	-6.35	1.71717	none
ABHD14B	0.083	0.0898	0.6552	0.52762	0.674	-6.35	1.38017	none
LGALS3BP	0.067	0.0425	0.6551	0.5277	0.674	-6.35	0.65375	none
APEH	0.094	0.0512	0.6549	0.52782	0.674	-6.35	0.02655	none
SH3D21	0.133	0.1808	0.6547	0.52794	0.674	-6.35	-0.0672	none
S100A7	-0.056	-0.0516	-0.654	0.52808	0.674	-6.35	2.03412	none
DUOXA1	-0.1	-0.0675	-0.654	0.52828	0.675	-6.35	1.69342	none
TRAPPC11	-0.069	-0.0017	-0.654	0.52831	0.675	-6.35	1.2574	none
UCN2	-0.048	-0.0223	-0.654	0.52841	0.675	-6.35	1.10503	none
CYTH3	0.159	0.0746	0.6538	0.52852	0.675	-6.35	-0.5953	none
ERICH6	-0.046	-0.048	-0.653	0.52875	0.675	-6.35	1.39928	none
FCGR2A	-0.076	-0.0773	-0.653	0.52878	0.675	-6.35	0.68268	none

DDX21	0.175	0.2904	0.653	0.52898	0.675	-6.35	0.25631	none
STK36	0.089	0.2146	0.653	0.52899	0.675	-6.35	0.42774	none
EIF3F	-0.069	-0.072	-0.653	0.52915	0.675	-6.35	-0.1902	none
WDR12	0.078	0.0522	0.6527	0.52918	0.675	-6.35	0.29297	none
AC136612	-0.048	-0.0239	-0.653	0.5293	0.675	-6.35	0.89723	none
ISOC2	-0.081	-0.0759	-0.652	0.52944	0.676	-6.35	1.55494	none
DUS1L	0.114	0.1475	0.6522	0.52951	0.676	-6.35	0.01709	none
C10ORF88	-0.088	-0.172	-0.652	0.5296	0.676	-6.35	0.7983	none
ZNF275	-0.062	-0.0594	-0.652	0.5299	0.676	-6.35	1.53165	none
TSTD2	0.122	0.1022	0.6515	0.52993	0.676	-6.35	-0.3428	none
H2AFY	-0.059	0.0044	-0.651	0.52993	0.676	-6.35	0.99464	none
IFNGR1	0.092	0.0152	0.6514	0.53	0.676	-6.35	0.2976	none
EXOSC4	-0.086	-0.0989	-0.651	0.53006	0.676	-6.35	0.1476	none
TMEM244	-0.069	-0.1206	-0.651	0.5301	0.676	-6.35	0.29349	none
PCOLCE	0.093	0.009	0.651	0.53021	0.676	-6.35	-0.7549	none
NEIL2	0.059	0.0201	0.651	0.53025	0.676	-6.35	-0.3021	none
FAF2	-0.11	-0.0778	-0.651	0.5303	0.676	-6.35	1.27355	none
CLLU1OS	-0.052	-0.0492	-0.651	0.53036	0.676	-6.35	-0.1742	none
FAM166B	0.087	0.0464	0.6504	0.53062	0.676	-6.35	0.23975	none
ALG6	0.071	-0.029	0.6501	0.5308	0.677	-6.35	0.85034	none
SMIM4	0.201	0.0145	0.65	0.53083	0.677	-6.35	-0.2159	none
PABPC1	0.137	0.2053	0.6499	0.53092	0.677	-6.35	0.55131	none
C3ORF84	0.07	0.1024	0.6495	0.53116	0.677	-6.35	0.91166	none
ALK	-0.074	-0.0277	-0.649	0.53116	0.677	-6.35	-0.2885	none
CATSPER2	-0.065	-0.0281	-0.649	0.53119	0.677	-6.35	0.6138	none
NCL	0.238	0.4354	0.6487	0.53163	0.677	-6.35	0.28302	none
TMEM9B	0.072	-0.0346	0.6486	0.53172	0.677	-6.35	-0.0528	none
B3GLCT	0.063	0.0439	0.6484	0.53181	0.677	-6.35	0.00751	none
ZDHHC4	-0.088	-0.1476	-0.648	0.53183	0.677	-6.35	1.29382	none
RMDN2	0.121	0.1756	0.6481	0.53203	0.678	-6.35	0.75313	none
ACTB	-0.076	-0.0394	-0.648	0.53207	0.678	-6.35	1.43499	none
MYOM2	-0.111	-0.0737	-0.648	0.53231	0.678	-6.35	1.52325	none
SERTAD4	-0.049	-0.0488	-0.647	0.5325	0.678	-6.35	1.19237	none
ANKEF1	0.072	0.0588	0.6459	0.5334	0.679	-6.35	-0.262	none
C19ORF33	0.106	0.1123	0.6459	0.53341	0.679	-6.35	1.61806	none
ADH5	-0.075	-0.1447	-0.646	0.53345	0.679	-6.35	-0.4052	none
PDZD3	-0.045	-0.0251	-0.646	0.53355	0.679	-6.35	0.35106	none
CSTF2	0.059	0.0862	0.6455	0.53364	0.679	-6.35	0.05695	none
LYPLA2	-0.08	-0.0704	-0.645	0.5337	0.679	-6.35	0.692	none
TTC29	-0.047	-0.0474	-0.645	0.53375	0.679	-6.35	-0.6726	none

USP17L17	0.048	0.0481	0.645	0.53393	0.679	-6.35	-0.6841	none
OR2T8	0.047	0.0481	0.645	0.53397	0.679	-6.35	0	none
MAP3K1	0.136	0.1736	0.6449	0.53399	0.679	-6.35	0.67607	none
SLC9A3	0.062	0.043	0.6445	0.53423	0.68	-6.35	1.79449	none
LRRC4B	-0.062	-0.0371	-0.644	0.53427	0.68	-6.35	1.49857	none
CLNS1A	-0.065	-0.1275	-0.644	0.53431	0.68	-6.35	1.25136	none
SALL4	0.085	0.0108	0.6443	0.53442	0.68	-6.35	0.64706	none
MED30	-0.084	-0.1408	-0.644	0.53446	0.68	-6.35	0.4983	none
GJB2	-0.108	-0.1389	-0.644	0.53448	0.68	-6.35	0.41389	none
MZT2B	-0.114	-0.1052	-0.644	0.5347	0.68	-6.35	0.03078	none
HPDL	-0.086	-0.019	-0.644	0.53473	0.68	-6.35	2.25695	AA-related
PDSS1	-0.058	0.0044	-0.644	0.5348	0.68	-6.35	1.42631	none
TUBA4A	-0.067	-0.1484	-0.643	0.53496	0.68	-6.35	0.99355	none
DDN	0.052	0.0837	0.6433	0.535	0.68	-6.35	0.39219	none
SPACA5	-0.093	-0.09	-0.643	0.53501	0.68	-6.35	0.08374	none
ARL13A	-0.11	-0.0798	-0.643	0.53503	0.68	-6.35	-0.1143	none
NUFIP1	0.084	0.1573	0.6429	0.53526	0.68	-6.35	0.26209	none
TOX	0.064	0.0717	0.6428	0.53531	0.68	-6.35	-0.3856	none
HBZ	0.065	0.0579	0.6424	0.5356	0.681	-6.35	0.74388	none
C2ORF16	-0.047	-0.0619	-0.642	0.53575	0.681	-6.35	1.03291	none
HGFAC	-0.069	-0.0296	-0.642	0.53595	0.681	-6.36	1.03296	none
AC105052	0.07	0.0384	0.6416	0.53607	0.681	-6.36	0.03741	none
CYP2A7	-0.047	-0.047	-0.642	0.53611	0.681	-6.36	0.7865	none
GFI1	0.104	0.1733	0.6415	0.53611	0.681	-6.36	-0.6366	none
CDX2	-0.044	-0.0336	-0.641	0.5362	0.681	-6.36	0.53669	none
WDSUB1	0.072	-0.0094	0.6413	0.53626	0.681	-6.36	1.00559	none
NFATC4	-0.041	-0.0183	-0.641	0.53634	0.681	-6.36	0.22191	none
PRSS16	0.134	0.0459	0.641	0.53645	0.681	-6.36	0.10156	none
LIFR	0.181	0.1486	0.641	0.53646	0.681	-6.36	-0.127	none
COA1	0.103	-0.0308	0.6409	0.5365	0.681	-6.36	0.43828	none
AC004556	-0.071	-0.1361	-0.641	0.53662	0.681	-6.36	0.77453	none
CWC15	0.067	0.0528	0.6404	0.53682	0.682	-6.36	0.42536	none
PDCL	0.084	0.0595	0.6403	0.53686	0.682	-6.36	0.3539	none
NCK1	-0.073	-0.1419	-0.64	0.53701	0.682	-6.36	1.24065	none
SLC35D1	-0.055	-0.0819	-0.64	0.53707	0.682	-6.36	1.15062	none
CDC42EP4	0.082	0.1187	0.64	0.53708	0.682	-6.36	1.56669	none
OXLD1	0.083	0.0479	0.64	0.53708	0.682	-6.36	-0.0146	none
SIRT1	-0.121	-0.0998	-0.64	0.53732	0.682	-6.36	1.13575	none
CUL2	0.163	0.2176	0.6393	0.53749	0.682	-6.36	0.41828	none
SERPINE3	0.126	0.1396	0.6393	0.53749	0.682	-6.36	1.43981	none



PAIP2	-0.07	-0.1588	-0.639	0.53753	0.682	-6.36	-0.2391	none
PHF23	-0.091	-0.043	-0.639	0.53768	0.682	-6.36	0.94686	none
AFTPH	0.075	0.1109	0.6389	0.53774	0.682	-6.36	1.45093	none
MFAP4	0.05	0.0524	0.6388	0.5378	0.682	-6.36	1.20882	none
PNO1	0.087	0.0646	0.6387	0.53788	0.682	-6.36	0.15573	none
NCAPH	0.12	0.2063	0.6387	0.53789	0.682	-6.36	0.75843	none
KCMF1	0.073	-0.0474	0.6384	0.53803	0.682	-6.36	0.31155	none
TMEM179	0.055	0.066	0.6382	0.53817	0.682	-6.36	0.5441	none
FGB	-0.053	-0.0673	-0.638	0.53818	0.682	-6.36	1.29809	none
NDUFV1	0.077	0.0635	0.6382	0.53819	0.682	-6.36	0.7338	none
PCDH12	-0.057	-0.0451	-0.638	0.53823	0.682	-6.36	-0.6937	none
AFAP1L2	-0.098	-0.0489	-0.638	0.53824	0.682	-6.36	0.0858	none
CDH2	0.057	0.0548	0.6379	0.53839	0.682	-6.36	-0.7311	none
TMEM140	0.073	0.0531	0.6377	0.53847	0.682	-6.36	-0.0044	none
ALG1L2	-0.176	-0.0986	-0.637	0.53891	0.683	-6.36	0.1229	none
SIGIRR	-0.137	-0.2227	-0.637	0.53896	0.683	-6.36	0.44521	none
LZTS2	0.05	0.0281	0.6369	0.53897	0.683	-6.36	0.98908	none
ASIC3	0.119	0.0621	0.6369	0.53901	0.683	-6.36	1.57364	none
ZNF107	0.144	0.2703	0.6367	0.53915	0.683	-6.36	0.615	none
USP17L2	0.044	0.0494	0.6364	0.53928	0.683	-6.36	1.70709	none
SLC5A3	-0.06	-0.0807	-0.636	0.53933	0.683	-6.36	1.01039	none
INHBC	-0.044	-0.0288	-0.636	0.53935	0.683	-6.36	0	none
METAP1D	0.139	0.0988	0.6363	0.53935	0.683	-6.36	0.07416	none
LTA4H	-0.054	-0.0814	-0.636	0.53958	0.683	-6.36	1.60755	none
GHDC	0.102	0.1336	0.6356	0.53979	0.684	-6.36	1.66322	none
TMEM204	-0.047	-0.0649	-0.635	0.54004	0.684	-6.36	0.39474	none
SMO	0.07	0.065	0.6351	0.54014	0.684	-6.36	-0.4911	none
PTX4	0.07	0.0521	0.6351	0.54014	0.684	-6.36	0.941	none
PUM2	0.117	0.1007	0.6348	0.54033	0.684	-6.36	-0.5692	none
CATSPER3	-0.078	-0.0501	-0.634	0.5408	0.685	-6.36	-0.0028	none
GALNTL5	-0.078	-0.0236	-0.634	0.54084	0.685	-6.36	1.67783	none
TMEM69	-0.09	-0.1715	-0.634	0.54087	0.685	-6.36	1.74339	none
CACNA2D4	-0.088	-0.1262	-0.634	0.54089	0.685	-6.36	0.09197	none
CTSG	-0.046	-0.0462	-0.634	0.541	0.685	-6.36	-0.0349	none
GGACT	0.148	0.1497	0.6336	0.54104	0.685	-6.36	0.58126	none
OTULIN	0.091	#####	0.6336	0.54107	0.685	-6.36	-0.5154	none
CYP4F3	0.18	0.0255	0.6335	0.54114	0.685	-6.36	-1.1849	none
FBXO16	-0.23	-0.1152	-0.633	0.54124	0.685	-6.36	1.52288	none
RBFOX2	0.078	0.1375	0.6331	0.54135	0.685	-6.36	0.04169	none
RASL12	0.054	0.0747	0.633	0.54142	0.685	-6.36	1.47012	none

ZNF511	-0.104	-0.1293	-0.633	0.54152	0.685	-6.36	1.33047	none
ALB	-0.169	-0.2256	-0.633	0.54154	0.685	-6.36	0.39065	none
LYSMD4	0.118	0.179	0.6328	0.54158	0.685	-6.36	0.31466	none
ERCC3	0.092	0.1856	0.6327	0.54161	0.685	-6.36	0.69883	none
NFIB	0.109	0.1291	0.6325	0.54177	0.685	-6.36	-0.518	none
FAM102A	0.076	0.0531	0.6323	0.54189	0.685	-6.36	-0.5217	none
CHTOP	0.049	0.0734	0.6323	0.54189	0.685	-6.36	-0.5323	none
HSD17B6	-0.217	-0.2007	-0.632	0.5421	0.685	-6.36	0.45147	none
ADCYAP1F	0.051	0.0506	0.6319	0.54215	0.685	-6.36	0.26365	none
OR6B3	-0.046	-0.046	-0.632	0.54216	0.685	-6.36	-0.4862	none
N4BP3	0.05	0.0611	0.6318	0.54218	0.685	-6.36	0.17853	none
KAT14	0.058	0.0359	0.6318	0.5422	0.685	-6.36	-0.6097	none
CDYL2	0.074	0.0842	0.6318	0.5422	0.685	-6.36	1.29884	none
HTR3C	0.049	0.049	0.6318	0.54222	0.685	-6.36	0.20764	none
CASP3	-0.077	-0.1208	-0.632	0.54222	0.685	-6.36	1.43466	none
H1FOO	0.047	0.0467	0.6317	0.54227	0.685	-6.36	-0.5168	none
PPM1M	-0.061	-0.0228	-0.632	0.54227	0.685	-6.36	1.34922	none
CLCF1	-0.078	-0.0311	-0.632	0.54231	0.685	-6.36	1.13958	none
TRIM64C	0.047	0.0467	0.6314	0.54242	0.685	-6.36	0	none
FXN	-0.073	-0.0752	-0.631	0.5427	0.685	-6.36	0.62712	none
SDCBP2	0.08	0.1485	0.631	0.54272	0.685	-6.36	0.67644	none
JAKMIP3	0.044	0.0368	0.6307	0.54286	0.686	-6.36	-0.7618	none
MVB12B	0.123	0.0046	0.6304	0.54305	0.686	-6.36	-0.8828	none
SLC17A4	-0.043	-0.0257	-0.63	0.54306	0.686	-6.36	0	none
FP325317	0.047	0.0466	0.6301	0.54324	0.686	-6.36	0.16654	none
VPS37D	0.048	0.0549	0.6295	0.54362	0.686	-6.36	0.02191	none
RXFP1	0.095	0.1964	0.6291	0.54385	0.687	-6.36	1.02363	none
CDKL2	0.044	0.0614	0.6291	0.54386	0.687	-6.36	1.31296	none
WDR64	0.066	0.0649	0.629	0.54391	0.687	-6.36	-0.8214	none
TSPY10	0.046	0.0464	0.6286	0.54422	0.687	-6.36	1.39467	none
PKIG	0.058	0.0485	0.6285	0.54424	0.687	-6.36	0.48469	none
USP17L22	0.147	0.1427	0.6285	0.54426	0.687	-6.36	1.45888	none
TRIM26	0.094	0.1584	0.6281	0.54454	0.687	-6.36	1.23047	none
ABHD4	0.105	0.0375	0.6279	0.54464	0.687	-6.36	-1.1452	none
PAPSS1	-0.055	-0.093	-0.627	0.54504	0.688	-6.36	1.07152	none
GLYAT	-0.057	-0.0957	-0.627	0.54516	0.688	-6.36	-0.0577	none
LRRC38	-0.042	-0.025	-0.627	0.54516	0.688	-6.36	0	none
SLC10A3	0.079	0.0684	0.6269	0.54526	0.688	-6.36	0.37208	none
MAPK14	0.069	0.0493	0.6266	0.54543	0.688	-6.37	0.76575	none
SNX2	-0.07	-0.0429	-0.627	0.5455	0.688	-6.37	1.66933	none

CCDC73	-0.043	-0.0351	-0.626	0.54574	0.688	-6.37	0.53341	none
6-Sep	0.136	0.1979	0.6258	0.54593	0.688	-6.37	0.54814	none
BMT2	0.138	0.013	0.6258	0.54598	0.688	-6.37	-0.3993	none
THSD7A	0.07	0.0225	0.6255	0.54615	0.689	-6.37	0.97214	none
SAPCD2	0.091	0.168	0.6252	0.54634	0.689	-6.37	-0.1265	none
MMP23B	-0.075	-0.002	-0.625	0.54644	0.689	-6.37	1.68567	none
IER3IP1	0.112	-0.0421	0.625	0.54644	0.689	-6.37	0.08571	none
GPHA2	0.064	0.0914	0.625	0.54646	0.689	-6.37	1.63851	none
MARCKS	0.045	0.0454	0.6249	0.54653	0.689	-6.37	-0.8245	none
MED28	-0.11	-0.1836	-0.625	0.54666	0.689	-6.37	0.40964	none
BUB3	-0.056	-0.0599	-0.624	0.54678	0.689	-6.37	-0.3245	none
RAB37	-0.123	-0.175	-0.624	0.5469	0.689	-6.37	1.00927	none
ASB7	0.067	0.0592	0.6243	0.54693	0.689	-6.37	0.55624	none
ETFA	-0.059	-0.1111	-0.624	0.54697	0.689	-6.37	-0.4527	none
CARTPT	0.046	0.0459	0.6241	0.54703	0.689	-6.37	-0.4725	none
GPR137B	-0.141	-0.1912	-0.624	0.54726	0.689	-6.37	0.39137	none
SLCO1C1	0.109	0.1297	0.6231	0.54763	0.69	-6.37	1.36334	none
SHPRH	0.135	0.1734	0.623	0.54773	0.69	-6.37	0.46318	none
HERC5	0.121	0.1473	0.6229	0.54778	0.69	-6.37	1.28389	none
CPA2	-0.046	-0.013	-0.623	0.54786	0.69	-6.37	0.9513	none
SLC25A20	0.075	0.0663	0.6226	0.54797	0.69	-6.37	0.01096	none
GPSM3	-0.121	-0.142	-0.622	0.54815	0.69	-6.37	0.62323	none
ROPN1B	0.053	0.0632	0.6221	0.54826	0.69	-6.37	-0.8684	none
NUF2	0.118	0.1439	0.6221	0.54829	0.69	-6.37	0.78169	none
ZNF433	0.13	0.1569	0.6221	0.54829	0.69	-6.37	-0.0324	none
ALKBH6	0.142	0.1645	0.622	0.54837	0.69	-6.37	1.22017	none
LANCL1	0.113	#####	0.6219	0.54839	0.69	-6.37	-0.2334	none
MGARP	-0.053	-0.0329	-0.622	0.54847	0.69	-6.37	-0.3672	none
RUNX3	0.104	0.1901	0.6216	0.54858	0.69	-6.37	0.00353	none
PRPS2	-0.085	-0.0879	-0.622	0.54859	0.69	-6.37	1.60404	none
CDH26	0.119	0.1587	0.6213	0.54877	0.691	-6.37	0.37986	none
DTL	0.064	0.0864	0.6209	0.54905	0.691	-6.37	1.16982	none
ALKBH3	-0.1	-0.1435	-0.621	0.54908	0.691	-6.37	-0.2801	none
C22ORF23	-0.085	-0.0339	-0.621	0.54912	0.691	-6.37	1.06407	none
DMTN	0.096	0.0991	0.6203	0.54943	0.691	-6.37	0.31726	none
S100A13	-0.176	-0.1246	-0.62	0.54954	0.691	-6.37	1.85347	none
E2F1	-0.069	-0.0173	-0.62	0.54961	0.691	-6.37	1.48286	none
FAM129B	-0.159	-0.0672	-0.62	0.54965	0.691	-6.37	-0.1584	none
FAM110C	0.092	0.0928	0.6197	0.54977	0.691	-6.37	1.82538	none
HOXA1	-0.053	-0.012	-0.619	0.55008	0.692	-6.37	1.57918	none

ZG16B	-0.098	-0.0868	-0.619	0.5505	0.692	-6.37	1.3793	none
TARS	-0.086	-0.0126	-0.618	0.5506	0.692	-6.37	1.72907	none
NACAD	-0.043	-0.0352	-0.618	0.55065	0.692	-6.37	0	none
BBS9	-0.102	-0.0874	-0.618	0.55068	0.692	-6.37	0.47234	none
OSGIN2	-0.102	-0.1405	-0.618	0.55074	0.692	-6.37	0.7849	none
NKX6-1	0.045	0.0263	0.618	0.55087	0.692	-6.37	1.54885	none
VTI1B	0.061	0.0454	0.618	0.55088	0.692	-6.37	-0.7703	none
THRB	0.054	0.0542	0.6179	0.55091	0.692	-6.37	0.80584	none
SLC25A29	-0.124	-0.1954	-0.618	0.55116	0.693	-6.37	-0.6686	none
PNMA6A	-0.054	-0.0231	-0.617	0.55124	0.693	-6.37	1.2961	none
SLC44A3	0.064	0.0576	0.6174	0.55127	0.693	-6.37	1.13399	none
OR5M11	-0.045	-0.0446	-0.617	0.5513	0.693	-6.37	1.50474	none
PAPSS2	-0.057	-0.0056	-0.617	0.55131	0.693	-6.37	1.08437	none
TRIM60	0.116	0.066	0.6172	0.55138	0.693	-6.37	-0.761	none
EPSTI1	0.097	0.106	0.6171	0.55142	0.693	-6.37	0.34181	none
MRPS26	-0.052	-0.0408	-0.617	0.55143	0.693	-6.37	1.03455	none
OR2AE1	0.047	0.0455	0.617	0.55149	0.693	-6.37	-0.1632	none
IL17C	-0.077	-0.0497	-0.617	0.55156	0.693	-6.37	1.15185	none
WLS	-0.108	-0.1342	-0.617	0.55162	0.693	-6.37	0.36459	none
C5ORF22	0.092	0.0169	0.6168	0.55166	0.693	-6.37	0.20875	none
LGALS9B	-0.096	-0.036	-0.617	0.55179	0.693	-6.37	1.18472	none
SMCP	0.045	0.0451	0.6163	0.55194	0.693	-6.37	-0.846	none
GOLGA8G	0.042	0.0478	0.6162	0.55202	0.693	-6.37	-0.3005	none
APOA1	-0.073	-0.0656	-0.616	0.55206	0.693	-6.37	0.40063	none
PSG8	-0.073	-0.073	-0.616	0.5523	0.693	-6.37	2.16217	AA-related
OR6N2	0.042	0.0423	0.6155	0.55243	0.693	-6.37	1.52134	none
CBLB	0.098	0.1262	0.6155	0.55248	0.693	-6.37	0.57386	none
SSB	0.186	0.3121	0.6152	0.55262	0.693	-6.37	-0.2298	none
CRYBA4	-0.068	-0.0439	-0.615	0.5527	0.694	-6.37	1.35065	none
GRM8	-0.051	-0.0511	-0.615	0.55299	0.694	-6.37	1.06361	none
SLC16A1	0.063	0.0468	0.6145	0.55306	0.694	-6.37	0.02435	none
PSD2	-0.042	-0.0403	-0.614	0.55311	0.694	-6.37	0	none
C22ORF15	0.06	0.0558	0.6144	0.55316	0.694	-6.37	0.44846	none
NLGN2	-0.054	-0.0068	-0.614	0.55348	0.694	-6.37	0.64123	none
IGF2	-0.096	-0.1086	-0.614	0.55349	0.694	-6.37	-0.3064	none
DLK1	-0.07	-0.0718	-0.614	0.55367	0.694	-6.37	1.28421	none
OR5T2	-0.042	-0.0161	-0.614	0.55372	0.694	-6.37	0.74998	none
AC136352	0.045	0.0448	0.6135	0.55373	0.694	-6.37	0	none
MANEAL	0.062	0.0675	0.6135	0.55373	0.694	-6.37	0.66639	none
DOLK	0.084	0.0136	0.6131	0.55398	0.695	-6.37	-0.4038	none

TESK1	0.077	0.1304	0.6131	0.55399	0.695	-6.37	-0.5488	none
SRM	0.077	0.0616	0.6124	0.55441	0.695	-6.37	-0.7025	none
TERT	-0.142	-0.094	-0.612	0.55462	0.695	-6.37	-0.107	none
AADA4	0.045	0.0447	0.6119	0.55471	0.695	-6.37	0	none
HYAL2	0.111	0.122	0.6115	0.55498	0.696	-6.37	0.05704	none
TET3	0.107	0.2013	0.6115	0.555	0.696	-6.37	1.32618	none
IKZF5	0.155	0.1762	0.6114	0.55506	0.696	-6.37	0.6185	none
SIL1	-0.062	0.0044	-0.611	0.55528	0.696	-6.38	0.64842	none
CTBS	-0.075	-0.1014	-0.611	0.55538	0.696	-6.38	0.82354	none
MFSD1	0.071	-0.0014	0.6108	0.55543	0.696	-6.38	0.60715	none
BCL6B	0.067	0.0983	0.6107	0.55549	0.696	-6.38	1.39544	none
FAM111B	0.248	0.3706	0.6105	0.55561	0.696	-6.38	-0.0785	none
SMIM6	-0.047	-0.0376	-0.61	0.55614	0.697	-6.38	0.71349	none
ACMSD	0.107	0.074	0.6095	0.55624	0.697	-6.38	-0.6649	none
IFNE	0.044	0.0444	0.6094	0.55631	0.697	-6.38	0	none
B4GALNT3	0.075	0.1697	0.6092	0.55646	0.697	-6.38	-0.0092	none
ARMCX5	0.11	0.0626	0.6092	0.55647	0.697	-6.38	-0.2119	none
KCNH3	-0.095	-0.0158	-0.609	0.5567	0.697	-6.38	1.1753	none
CDH16	-0.069	-0.061	-0.609	0.55676	0.697	-6.38	1.9259	none
TAOK2	0.14	0.2685	0.6082	0.55706	0.697	-6.38	0.25363	none
C1ORF159	0.066	0.1009	0.6082	0.55708	0.697	-6.38	0.89495	none
HRASLS5	-0.047	-0.0591	-0.608	0.55712	0.697	-6.38	1.53994	none
ZNF582	0.102	0.2125	0.6081	0.55716	0.697	-6.38	1.56403	none
MGAT4D	0.078	0.0782	0.6078	0.55737	0.697	-6.38	1.05585	none
SAR1A	0.081	0.003	0.6078	0.55737	0.697	-6.38	-0.2911	none
HSD3B2	0.044	0.0443	0.6077	0.55739	0.697	-6.38	1.68353	none
TRMT13	0.101	0.0572	0.6077	0.55742	0.697	-6.38	1.03839	none
SLC27A4	-0.053	-0.0116	-0.608	0.55743	0.697	-6.38	1.42098	none
CGREF1	0.092	0.2165	0.6069	0.55794	0.698	-6.38	0.43025	none
PRSS55	0.05	0.036	0.6064	0.55825	0.698	-6.38	0.40683	none
IFNA8	-0.043	-0.0435	-0.606	0.55834	0.698	-6.38	0	none
INTS12	-0.076	-0.0042	-0.606	0.55843	0.698	-6.38	0.74468	none
BCL9	0.188	0.3614	0.6059	0.55856	0.699	-6.38	0.21411	none
CIDEA	0.047	0.0465	0.6055	0.5588	0.699	-6.38	0.78245	none
ZNHIT2	-0.069	-0.0509	-0.605	0.55903	0.699	-6.38	0.11418	none
ANP32A	-0.088	-0.0085	-0.605	0.55921	0.699	-6.38	0.93063	none
FTCD	-0.07	-0.0695	-0.605	0.55923	0.699	-6.38	1.92315	none
SHB	0.044	0.058	0.6048	0.55928	0.699	-6.38	-0.1555	none
METTL14	0.141	0.1353	0.6042	0.55962	0.7	-6.38	-0.0199	none
DHRS13	-0.057	-0.0405	-0.604	0.55968	0.7	-6.38	1.20255	none

IL13RA2	-0.043	-0.0433	-0.604	0.55969	0.7	-6.38	1.51533	none
TRIM15	-0.043	-0.0341	-0.604	0.55976	0.7	-6.38	0.35918	none
IL2RB	0.095	0.1388	0.604	0.55977	0.7	-6.38	0.70827	none
MXD3	0.072	0.0385	0.6037	0.55993	0.7	-6.38	0.6562	none
S100A8	-0.053	-0.0706	-0.604	0.55996	0.7	-6.38	0.64998	none
CRYAA	0.044	0.0439	0.6035	0.56006	0.7	-6.38	0	none
GOLGA6D	-0.043	-0.0432	-0.603	0.56027	0.7	-6.38	1.22662	none
CA2	-0.086	0.0283	-0.603	0.56067	0.7	-6.38	1.58245	none
ARID3C	0.042	0.0313	0.6025	0.56075	0.7	-6.38	0	none
TIGD6	-0.074	-0.0309	-0.602	0.56081	0.701	-6.38	0.46811	none
HAS1	-0.051	-0.0523	-0.602	0.56088	0.701	-6.38	-0.0212	none
GLUL	-0.111	-0.1273	-0.602	0.56099	0.701	-6.38	1.46624	none
CHCHD3	-0.077	-0.0308	-0.602	0.56103	0.701	-6.38	1.61549	none
ACOT8	-0.074	-0.1176	-0.601	0.56137	0.701	-6.38	0.71967	none
DUSP14	0.258	0.2485	0.6013	0.56151	0.701	-6.38	0.10592	none
GAB2	0.143	0.1617	0.6012	0.56155	0.701	-6.38	0.35689	none
CD8B	-0.074	-0.0127	-0.601	0.56167	0.701	-6.38	0.29113	none
FGF4	-0.042	-0.0422	-0.601	0.56171	0.701	-6.38	1.1314	none
TEX101	0.08	0.0619	0.6009	0.56176	0.701	-6.38	0.85941	none
B3GAT2	0.041	0.0142	0.6008	0.56179	0.701	-6.38	0.54834	none
DAB2	-0.118	-0.1048	-0.601	0.5618	0.701	-6.38	0.35806	none
LSM14B	0.08	0.1295	0.6006	0.56195	0.701	-6.38	0.63443	none
ZNF717	0.073	0.0071	0.6002	0.56219	0.702	-6.38	0.3865	none
ZNF84	-0.076	-0.075	-0.6	0.56223	0.702	-6.38	0.61269	none
ATF3	-0.128	-0.06	-0.6	0.5623	0.702	-6.38	1.6849	none
OR1N1	-0.042	-0.0431	-0.6	0.56242	0.702	-6.38	0	none
THNSL1	-0.088	-0.0456	-0.6	0.56256	0.702	-6.38	1.79659	none
ASS1	-0.131	-0.1577	-0.6	0.56261	0.702	-6.38	0.21123	none
CALML4	0.072	0.1208	0.599	0.56297	0.702	-6.38	0.57716	none
ZNF248	-0.138	-0.1165	-0.599	0.56304	0.702	-6.38	1.17592	none
MCUB	0.106	0.0013	0.5984	0.56334	0.703	-6.38	0.41507	none
CST3	-0.074	-0.0391	-0.598	0.56381	0.703	-6.38	0.89437	none
SERPINA3	-0.093	-0.0914	-0.597	0.56399	0.703	-6.38	1.07129	none
UST	0.166	0.155	0.5974	0.56401	0.703	-6.38	0.93241	none
FOS	0.112	0.0919	0.597	0.56423	0.703	-6.38	0.54091	none
FOXD4L5	-0.044	-0.0353	-0.597	0.56433	0.704	-6.38	0.39054	none
AGL	0.068	0.0872	0.5968	0.56436	0.704	-6.38	0.86883	none
PENK	0.062	0.085	0.5966	0.5645	0.704	-6.38	-0.31	none
TAAR2	-0.043	-0.0426	-0.597	0.56451	0.704	-6.38	0	none
SMIM10	0.093	0.0936	0.5963	0.56468	0.704	-6.38	-0.4119	none

GRWD1	0.063	0.0529	0.5962	0.56474	0.704	-6.38	-0.0456	none
PRSS54	-0.049	-0.0148	-0.596	0.56487	0.704	-6.38	1.06067	none
OR4K14	0.043	0.0431	0.5959	0.56493	0.704	-6.38	0	none
MUS81	0.05	0.066	0.5959	0.56495	0.704	-6.38	-0.408	none
HOXD12	0.045	0.0455	0.5959	0.56495	0.704	-6.38	-0.1265	none
TMEM202	0.043	0.0431	0.5958	0.56499	0.704	-6.38	0	none
CD177	0.057	0.0421	0.5957	0.56508	0.704	-6.38	-0.9413	none
MTRNR2L	0.061	0.0587	0.5956	0.56511	0.704	-6.38	0.87654	none
CAV3	-0.108	-0.0794	-0.596	0.56516	0.704	-6.38	0.4035	none
OGN	-0.054	-0.0514	-0.596	0.56517	0.704	-6.38	-0.1422	none
NOD2	-0.05	-0.0224	-0.595	0.56527	0.704	-6.38	0.13236	none
ENOPH1	-0.059	-0.0881	-0.595	0.56535	0.704	-6.38	1.28654	none
EVI2B	0.103	0.0878	0.5951	0.56549	0.704	-6.39	1.04788	none
ADORA3	0.041	0.0371	0.595	0.5655	0.704	-6.39	0.68944	none
AOC2	0.058	0.1143	0.5947	0.56569	0.704	-6.39	-0.3066	none
LONRF3	-0.061	0.0225	-0.595	0.56569	0.704	-6.39	0.63524	none
LCE5A	-0.042	-0.0424	-0.594	0.56591	0.704	-6.39	1.04303	none
TREM2	-0.042	-0.0424	-0.594	0.56591	0.704	-6.39	-0.5763	none
GPN1	-0.053	-0.097	-0.594	0.56597	0.704	-6.39	0.35258	none
PCGF5	0.051	0.0222	0.5942	0.56601	0.704	-6.39	1.90414	none
WWC1	0.118	0.1648	0.5942	0.56604	0.704	-6.39	0.84581	none
ANXA8	0.055	0.0633	0.5941	0.56611	0.704	-6.39	0.02547	none
LMO4	-0.086	-0.0919	-0.594	0.56611	0.704	-6.39	1.25816	none
SLC25A36	0.064	0.0147	0.594	0.56617	0.704	-6.39	1.30542	none
NKX2-8	-0.048	-0.0251	-0.594	0.56636	0.704	-6.39	1.52557	none
RFTN1	0.076	0.1424	0.5937	0.56639	0.704	-6.39	1.07439	none
ADCY9	0.056	0.1182	0.5937	0.56639	0.704	-6.39	0.78397	none
PRRX2	-0.062	-0.0251	-0.594	0.56644	0.704	-6.39	1.11632	none
ABCD3	0.06	0.08	0.5936	0.56645	0.704	-6.39	1.91909	none
PTPRJ	0.183	0.2587	0.5932	0.56668	0.705	-6.39	-0.1075	none
RNF169	0.139	0.2695	0.5932	0.56668	0.705	-6.39	0.59505	none
CTNNA3	-0.054	-0.0496	-0.593	0.56677	0.705	-6.39	1.71784	none
EPB41L1	-0.126	-0.1561	-0.593	0.56695	0.705	-6.39	0.63463	none
MSRB1	-0.087	-0.101	-0.593	0.56705	0.705	-6.39	0.8088	none
KRTAP13-4	0.043	0.0428	0.5924	0.56719	0.705	-6.39	-0.832	none
POC5	-0.1	-0.1019	-0.592	0.56724	0.705	-6.39	0.46696	none
RBMXL3	0.046	0.0229	0.592	0.56744	0.705	-6.39	-0.8884	none
OR6C2	0.043	0.0427	0.5919	0.56749	0.705	-6.39	0.39601	none
USP17L23	-0.125	-0.0498	-0.592	0.56766	0.705	-6.39	-0.3349	none
MFSD14A	-0.092	-0.1197	-0.592	0.56766	0.705	-6.39	1.42712	none

TARBP2	-0.073	-0.0926	-0.592	0.56768	0.705	-6.39	0.64828	none
IZUMO1R	0.043	0.0427	0.5916	0.56772	0.705	-6.39	0	none
SPECC1L	0.195	0.3107	0.5915	0.56777	0.705	-6.39	0.5103	none
NLGN3	0.073	0.0775	0.5915	0.56778	0.705	-6.39	-0.0414	none
ARC	-0.059	-0.0389	-0.591	0.5678	0.705	-6.39	1.2913	none
NR2F2	0.074	0.0811	0.5915	0.56781	0.705	-6.39	1.01743	none
GAL3ST2	-0.042	-0.0421	-0.591	0.56791	0.705	-6.39	1.30781	none
OR10J3	0.043	0.0427	0.5913	0.56792	0.705	-6.39	0	none
MYBL2	0.107	0.24	0.5912	0.568	0.705	-6.39	0.04325	none
SLIT2	0.089	0.0887	0.5911	0.56803	0.705	-6.39	-0.6813	none
ENPP5	-0.071	-0.0653	-0.591	0.56803	0.705	-6.39	0.16218	none
DUSP16	0.118	0.1585	0.5907	0.56829	0.706	-6.39	-0.3645	none
TECRL	0.113	0.1113	0.5906	0.56836	0.706	-6.39	1.65904	none
ABHD5	0.056	-0.033	0.5906	0.56836	0.706	-6.39	-0.3024	none
RCOR2	0.047	0.0474	0.5903	0.56856	0.706	-6.39	1.59297	none
DAOA	0.1	0.05	0.5903	0.56857	0.706	-6.39	-0.4762	none
RIC8A	-0.07	-0.0465	-0.59	0.56868	0.706	-6.39	1.36103	none
UNCX	-0.04	-0.0192	-0.59	0.56884	0.706	-6.39	0	none
ACKR4	0.042	0.0582	0.5898	0.56889	0.706	-6.39	0.99439	none
CDK15	-0.061	-0.0668	-0.59	0.56894	0.706	-6.39	0.87926	none
PRSS56	0.042	0.0459	0.5896	0.569	0.706	-6.39	0	none
CCS	-0.063	-0.0488	-0.59	0.56905	0.706	-6.39	0.09497	none
DTX2	0.062	0.0349	0.5894	0.56914	0.706	-6.39	-0.3719	none
MUC20	-0.057	-0.0172	-0.589	0.56918	0.706	-6.39	0.90755	none
KRTAP5-6	0.042	0.0425	0.5893	0.5692	0.706	-6.39	-0.5385	none
EXOC3L4	-0.112	-0.0795	-0.589	0.56925	0.706	-6.39	-0.0389	none
BPIFB2	-0.042	-0.0512	-0.589	0.5693	0.706	-6.39	1.50573	none
PTPDC1	-0.052	0.0194	-0.589	0.5697	0.706	-6.39	1.25946	none
CARD10	-0.072	-0.0589	-0.588	0.56971	0.706	-6.39	0.61124	none
CXCR2	0.089	0.165	0.5884	0.56977	0.706	-6.39	0.47826	none
SGCA	-0.063	-0.0531	-0.588	0.56983	0.707	-6.39	1.62983	none
NECTIN2	-0.067	-0.0448	-0.588	0.57	0.707	-6.39	0.15914	none
OR5F1	0.042	0.0424	0.588	0.57001	0.707	-6.39	-0.599	none
RCVRN	0.069	0.0661	0.5879	0.57007	0.707	-6.39	-0.4249	none
ALDH16A1	0.051	0.0169	0.5879	0.5701	0.707	-6.39	0.46467	none
ARHGEF3	0.103	0.0982	0.5879	0.57011	0.707	-6.39	0.43422	none
SLC35B2	-0.087	-0.1227	-0.588	0.57018	0.707	-6.39	1.27842	none
MAGEB17	-0.042	-0.0417	-0.588	0.57018	0.707	-6.39	1.52319	none
ENTPD8	0.046	0.0494	0.5877	0.57022	0.707	-6.39	0.70123	none
CT47A7	0.07	0.0704	0.5876	0.57031	0.707	-6.39	0.74555	none



SFRP4	-0.052	-0.0296	-0.588	0.57034	0.707	-6.39	0.87122	none
SLC25A10	-0.053	-0.0149	-0.587	0.57039	0.707	-6.39	1.37752	none
LAMTOR4	-0.075	-0.0811	-0.587	0.57044	0.707	-6.39	0.70824	none
ADAMTS9	-0.122	-0.0986	-0.587	0.57046	0.707	-6.39	0.17821	none
HIST1H2BI	0.066	-0.0477	0.5871	0.5706	0.707	-6.39	0.0832	none
TSPAN1	-0.092	-0.0703	-0.587	0.57085	0.707	-6.39	-0.1632	none
ENTPD2	-0.075	-0.0365	-0.586	0.57128	0.707	-6.39	0.66473	none
RYBP	-0.071	-0.046	-0.586	0.57136	0.707	-6.39	1.0421	none
NETO1	-0.14	-0.1064	-0.586	0.57136	0.707	-6.39	1.63974	none
EPB42	0.099	0.1013	0.5858	0.57144	0.708	-6.39	-0.2802	none
SOCS2	0.078	0.0204	0.5856	0.57156	0.708	-6.39	0.51279	none
TMEM262	0.05	0.0882	0.5856	0.57159	0.708	-6.39	0.13256	none
KCTD11	0.062	0.0782	0.5855	0.57164	0.708	-6.39	-0.3184	none
PRSS2	-0.105	-0.127	-0.585	0.57169	0.708	-6.39	0.77704	none
ETV2	0.058	0.0346	0.5853	0.57177	0.708	-6.39	-0.0248	none
NYAP1	-0.054	-0.0585	-0.585	0.57178	0.708	-6.39	0.3978	none
BORCS8-IV	0.119	0.1449	0.5852	0.57184	0.708	-6.39	0.90592	none
CCR5	0.05	-0.0268	0.5847	0.57215	0.708	-6.39	-0.7586	none
GDF10	-0.046	-0.0294	-0.585	0.57215	0.708	-6.39	0.84794	none
MAN1A2	0.076	0.024	0.5846	0.57221	0.708	-6.39	0.06313	none
NINL	0.134	0.1837	0.5846	0.57221	0.708	-6.39	-0.3174	none
WDR37	0.072	0.1656	0.5845	0.57229	0.708	-6.39	-0.4198	none
SLC25A14	0.075	0.0355	0.5844	0.57233	0.708	-6.39	0.06229	none
MRPS5	0.044	0.0581	0.5843	0.57244	0.708	-6.39	1.04769	none
FOXS1	-0.043	-0.0286	-0.584	0.57244	0.708	-6.39	0.81398	none
MBD3L1	-0.094	-0.0922	-0.584	0.57246	0.708	-6.39	0.25337	none
TMEM223	0.095	0.054	0.5841	0.57256	0.708	-6.39	0.21738	none
WBP1	0.147	0.1258	0.584	0.57262	0.708	-6.39	0.36559	none
CABLES1	-0.118	-0.2264	-0.584	0.57266	0.708	-6.39	0.15989	none
VIPR1	-0.077	0.0081	-0.584	0.57266	0.708	-6.39	0.24199	none
FAP	0.058	0.0624	0.5839	0.5727	0.708	-6.39	-0.7832	none
ZFAND5	0.076	0.124	0.5837	0.57278	0.708	-6.39	1.25581	none
THRSP	-0.046	-0.0292	-0.584	0.57287	0.708	-6.39	0.34236	none
MAPK15	-0.048	0.0266	-0.583	0.57318	0.708	-6.39	0.14309	none
CHRFAM7	-0.053	-0.0145	-0.582	0.57367	0.709	-6.39	0.10182	none
HMCES	-0.044	-0.0603	-0.582	0.5737	0.709	-6.39	-0.208	none
YAF2	0.058	-0.0217	0.5823	0.57372	0.709	-6.39	0.71366	none
CCDC190	-0.041	-0.0412	-0.582	0.57372	0.709	-6.39	0.11503	none
GRM4	0.081	0.0234	0.5822	0.57375	0.709	-6.39	-0.2281	none
FUT5	0.041	0.0419	0.5822	0.57376	0.709	-6.39	0	none

CCNB3	-0.079	-0.0827	-0.582	0.5739	0.709	-6.39	-0.2466	none
ENC1	-0.061	-0.0582	-0.582	0.57391	0.709	-6.39	1.58472	none
FTSJ1	-0.058	-0.0798	-0.582	0.5742	0.709	-6.39	0.87777	none
MAPRE3	0.045	0.05	0.5814	0.57431	0.709	-6.39	0.72538	none
TMED2	-0.108	-0.1983	-0.581	0.57441	0.709	-6.39	1.18468	none
GRM2	0.051	0.0832	0.581	0.57454	0.709	-6.39	1.44406	none
LRRC8D	-0.065	-0.011	-0.581	0.57483	0.71	-6.39	0.6117	none
NBPF4	0.04	0.042	0.5802	0.57504	0.71	-6.39	0	none
RARRES2	-0.087	-0.0396	-0.58	0.57505	0.71	-6.39	1.1821	none
LRRC59	0.066	0.1228	0.5798	0.57536	0.71	-6.39	0.54514	none
SDF2	0.07	-0.0139	0.5795	0.57553	0.71	-6.39	-0.3829	none
KBTBD13	0.041	0.0502	0.5793	0.57568	0.711	-6.39	1.80324	none
RXRG	-0.043	-0.041	-0.579	0.57582	0.711	-6.39	-0.6333	none
RAD51C	0.08	-0.0731	0.5788	0.57598	0.711	-6.4	-0.216	none
EXOC6	0.111	0.1305	0.5788	0.57598	0.711	-6.4	0.45012	none
CD101	-0.122	-0.0937	-0.579	0.57612	0.711	-6.4	0.1761	none
AKAP12	0.061	0.1032	0.5785	0.5762	0.711	-6.4	0.41452	none
CDX1	-0.041	-0.0409	-0.578	0.5762	0.711	-6.4	0	none
GSTA3	-0.041	-0.0409	-0.578	0.57635	0.711	-6.4	1.00425	none
TRIM4	-0.079	-0.067	-0.578	0.57637	0.711	-6.4	1.21224	none
ZNF300	0.043	0.0353	0.5777	0.5767	0.711	-6.4	0.49812	none
SLC39A10	0.15	0.2101	0.5774	0.57689	0.712	-6.4	1.3306	none
RNF148	0.041	0.0413	0.5769	0.57722	0.712	-6.4	0	none
DNAJA2	0.045	0.02	0.5767	0.57737	0.712	-6.4	1.33447	none
RAPGEF4	0.08	0.0672	0.5765	0.57748	0.712	-6.4	0.10476	none
TMEM63B	-0.093	0.0133	-0.576	0.57787	0.713	-6.4	1.22609	none
MND1	-0.068	-0.0619	-0.576	0.57803	0.713	-6.4	1.00346	none
SMIM1	-0.09	-0.0411	-0.575	0.57812	0.713	-6.4	1.46679	none
C6ORF89	-0.093	-0.0759	-0.575	0.57817	0.713	-6.4	0.99553	none
HOXD10	-0.051	-0.0509	-0.575	0.57828	0.713	-6.4	-0.5339	none
IQCD	-0.043	-0.0164	-0.575	0.57852	0.713	-6.4	0.4781	none
RHOD	-0.121	-0.0876	-0.575	0.57872	0.713	-6.4	1.93708	none
ASB2	-0.08	-0.0147	-0.574	0.57879	0.713	-6.4	0.61275	none
C8ORF33	0.086	0.0591	0.5743	0.57892	0.713	-6.4	0.77267	none
DNAAF2	0.063	0.0609	0.5741	0.579	0.713	-6.4	0.93509	none
ZNRD1	-0.212	-0.3112	-0.574	0.57927	0.714	-6.4	1.28622	none
DDX18	0.094	0.1198	0.5731	0.57966	0.714	-6.4	0.78098	none
COG6	0.125	0.1685	0.5726	0.57999	0.715	-6.4	1.06036	none
TSPAN9	0.069	0.0552	0.5725	0.58006	0.715	-6.4	-0.7719	none
FGF21	0.058	0.0577	0.5722	0.58029	0.715	-6.4	0.75344	none

AHSP	0.049	0.0651	0.5721	0.58035	0.715	-6.4	-0.7714	none
ARSI	0.046	0.0455	0.5715	0.58075	0.715	-6.4	0.20959	none
FAM8A1	0.05	0.0094	0.5713	0.58084	0.715	-6.4	0.38823	none
PCDHB5	-0.046	-0.0473	-0.571	0.5809	0.715	-6.4	-0.0304	none
CD8A	0.065	-0.0013	0.5709	0.5811	0.716	-6.4	0.3318	none
C12ORF74	0.04	0.0281	0.5707	0.58124	0.716	-6.4	-0.1801	none
RMI2	-0.133	-0.0858	-0.571	0.58126	0.716	-6.4	1.0273	none
BFSP2	-0.096	0.0133	-0.571	0.58127	0.716	-6.4	0.45036	none
TMEM248	0.058	0.0752	0.5704	0.58141	0.716	-6.4	1.56796	none
AP1M2	0.229	0.1864	0.5701	0.58163	0.716	-6.4	-0.5049	none
CAND2	0.064	0.1367	0.5701	0.58164	0.716	-6.4	0.51799	none
ANKRD30E	0.095	-0.0093	0.5699	0.58178	0.716	-6.4	-0.0395	none
C10ORF10	0.04	0.0338	0.5698	0.58181	0.716	-6.4	-0.781	none
C5ORF58	0.102	0.1268	0.5695	0.58199	0.716	-6.4	1.0945	none
BECN2	0.038	0.0416	0.5694	0.58206	0.716	-6.4	0.77936	none
SCCPDH	0.072	-0.0145	0.5694	0.5821	0.716	-6.4	1.17477	none
RALGAPB	0.092	0.1504	0.5692	0.58225	0.716	-6.4	0.19725	none
CEP70	0.144	0.0968	0.569	0.58234	0.716	-6.4	-0.1503	none
DUXA	-0.042	-0.0265	-0.569	0.58249	0.717	-6.4	0.70421	none
RSPRY1	0.069	0.068	0.5685	0.58268	0.717	-6.4	0.55457	none
TREX1	-0.064	-0.0454	-0.568	0.58272	0.717	-6.4	1.96592	none
PSG3	0.04	0.0405	0.5682	0.58288	0.717	-6.4	-0.9207	none
MT-CYB	0.091	0.122	0.5679	0.58309	0.717	-6.4	0.11246	none
PPP1R9B	0.145	0.2485	0.5678	0.58312	0.717	-6.4	0.04711	none
CSNK1G2	0.106	0.1979	0.5677	0.58317	0.717	-6.4	-0.0283	none
BECN1	0.055	0.0312	0.5677	0.5832	0.717	-6.4	-0.9435	none
GPR174	-0.078	-0.1958	-0.568	0.58325	0.717	-6.4	-0.0278	none
FZD5	0.043	0.0363	0.5676	0.58326	0.717	-6.4	0.19178	none
PHF20	0.078	0.0275	0.5675	0.58336	0.717	-6.4	0.04846	none
ZNF679	0.04	0.0404	0.5674	0.58337	0.717	-6.4	0	none
SNRNP27	0.065	0.0147	0.5671	0.58357	0.717	-6.4	-0.7916	none
ZXDC	0.11	0.2033	0.5667	0.58384	0.718	-6.4	0.32468	none
PI16	0.167	-0.0342	0.5666	0.58389	0.718	-6.4	-0.2486	none
SYVN1	0.066	0.1515	0.5665	0.58396	0.718	-6.4	0.52892	none
UHRF1BP1	0.13	0.2102	0.5664	0.58407	0.718	-6.4	1.31296	none
PEX6	-0.053	-0.0271	-0.566	0.58411	0.718	-6.4	1.12337	none
IL12B	-0.041	-0.0188	-0.566	0.58415	0.718	-6.4	-0.3633	none
TCP11L1	0.093	0.1219	0.5659	0.58437	0.718	-6.4	-0.0998	none
CACNG1	-0.045	-0.0304	-0.566	0.58438	0.718	-6.4	1.93674	none
TUBB8	-0.061	-0.0423	-0.566	0.58444	0.718	-6.4	1.20678	none

WDR54	0.116	-0.002	0.5651	0.58487	0.718	-6.4	0.14372	none
PDCL2	-0.04	-0.0397	-0.565	0.58492	0.718	-6.4	0	none
CLU	-0.121	-0.1776	-0.565	0.58505	0.718	-6.4	-0.1253	none
BAIAP3	0.064	0.1179	0.5645	0.58526	0.719	-6.4	1.10706	none
CCR10	-0.092	-0.2294	-0.565	0.58527	0.719	-6.4	0.7708	none
TMEM104	0.105	0.0844	0.5645	0.58528	0.719	-6.4	0.34048	none
ZNF735	0.042	0.0475	0.5643	0.5854	0.719	-6.4	0.70873	none
MYBPHL	0.042	0.0531	0.5643	0.5854	0.719	-6.4	0.03576	none
LXN	-0.083	-0.0904	-0.564	0.58546	0.719	-6.4	0.11097	none
CLTCL1	0.085	0.1017	0.5637	0.58583	0.719	-6.4	0.40271	none
ACBD6	-0.045	0.0094	-0.564	0.58592	0.719	-6.4	2.09406	AA-related
NTPCR	-0.078	-0.2102	-0.563	0.586	0.719	-6.4	1.28793	none
XRCC5	-0.06	-0.0149	-0.563	0.58601	0.719	-6.4	0.17508	none
MS4A13	0.083	0.083	0.5633	0.58608	0.719	-6.4	-0.4698	none
HEATR5B	0.203	0.2313	0.5631	0.58619	0.719	-6.4	1.05239	none
CTDSP1	0.05	0.0991	0.563	0.58625	0.719	-6.4	1.01128	none
METTL9	-0.089	-0.152	-0.563	0.58636	0.719	-6.4	0.70221	none
BPY2	0.04	0.04	0.5626	0.58655	0.719	-6.4	-0.841	none
BPY2B	0.04	0.04	0.5626	0.58655	0.719	-6.4	-0.841	none
BPY2C	0.04	0.04	0.5626	0.58655	0.719	-6.4	-0.841	none
DZIP1L	0.08	0.1196	0.5623	0.58675	0.72	-6.4	0.19136	none
TNFRSF21	0.048	0.0658	0.562	0.58689	0.72	-6.41	-0.1495	none
GALNTL6	0.039	0.0419	0.5618	0.58708	0.72	-6.41	0	none
ACER2	0.052	0.0017	0.5615	0.58723	0.72	-6.41	-0.2997	none
TOE1	-0.052	0.0074	-0.562	0.58724	0.72	-6.41	1.98229	none
ATN1	0.138	0.1949	0.5614	0.58729	0.72	-6.41	-0.8366	none
PDHB	-0.056	-0.088	-0.561	0.58745	0.72	-6.41	0.69836	none
ADO	0.042	0.0246	0.5609	0.58763	0.72	-6.41	-0.13	none
RASSF1	0.051	0.0825	0.5609	0.58767	0.72	-6.41	1.21146	none
HNRNPCL2	-0.047	-0.0473	-0.561	0.58774	0.72	-6.41	0.85531	none
GZMM	-0.109	-0.1623	-0.561	0.58782	0.72	-6.41	1.33527	none
PLXNB2	0.06	0.0383	0.5606	0.58786	0.72	-6.41	-0.3914	none
FSBP	0.087	0.0581	0.5605	0.58789	0.72	-6.41	0.07482	none
RGS5	0.082	-0.0623	0.5604	0.58795	0.72	-6.41	1.47317	none
ACSBG2	0.11	0.1011	0.5604	0.58798	0.72	-6.41	1.29656	none
TRMT61B	0.08	-0.0111	0.5604	0.58799	0.72	-6.41	0.25511	none
TEX28	0.039	0.0401	0.5603	0.58801	0.72	-6.41	0.37129	none
TPPP	0.039	0.0672	0.5602	0.5881	0.72	-6.41	0.67563	none
SCGB3A2	0.111	0.2957	0.56	0.58821	0.72	-6.41	1.12433	none
PRB4	0.04	0.0397	0.56	0.58826	0.72	-6.41	0	none

INS-IGF2	0.04	0.04	0.5599	0.58831	0.72	-6.41	1.18529	none
SERF1B	0.103	0.0235	0.5599	0.58831	0.72	-6.41	-0.4596	none
FASTK	-0.089	-0.1299	-0.56	0.5884	0.72	-6.41	1.54898	none
SGCD	0.046	0.0454	0.5597	0.58841	0.72	-6.41	0.80964	none
SNRPA1	-0.041	-0.0384	-0.56	0.58846	0.72	-6.41	0.57242	none
RHCG	0.06	0.055	0.5596	0.58851	0.72	-6.41	0.91729	none
DNAJC11	0.115	0.2715	0.5596	0.58851	0.72	-6.41	-0.0126	none
C11ORF96	-0.046	-0.0318	-0.559	0.58879	0.721	-6.41	0.31117	none
GNAI2	-0.104	-0.0244	-0.559	0.58886	0.721	-6.41	0.54452	none
EED	0.066	0.0599	0.5587	0.5891	0.721	-6.41	-0.2181	none
TNFRSF19	0.075	0.0749	0.5587	0.58911	0.721	-6.41	0.39695	none
IGSF21	-0.043	-0.0175	-0.559	0.58912	0.721	-6.41	1.80627	none
HEMK1	0.095	0.0221	0.5585	0.58924	0.721	-6.41	0.99853	none
MSI1	-0.045	-0.0289	-0.558	0.58925	0.721	-6.41	0.41234	none
GOLGA1	-0.105	-0.0022	-0.558	0.58961	0.721	-6.41	1.53715	none
NAB1	0.112	0.1779	0.5579	0.58963	0.721	-6.41	0.2009	none
OBP2A	-0.074	-0.0509	-0.558	0.58963	0.721	-6.41	1.56204	none
TRIM39-RI	0.04	0.0395	0.5578	0.58968	0.721	-6.41	0	none
CLDN34	0.039	0.0395	0.5571	0.59012	0.722	-6.41	0.39591	none
TMEM260	0.107	0.0671	0.557	0.5902	0.722	-6.41	0.47618	none
KHDC1L	-0.037	-0.0159	-0.557	0.59048	0.722	-6.41	-0.5982	none
STT3A	0.066	-0.0226	0.5565	0.5905	0.722	-6.41	0.73315	none
ADSL	-0.076	-0.1631	-0.556	0.59072	0.722	-6.41	1.38717	none
PANK3	0.076	0.1265	0.5561	0.59081	0.722	-6.41	-0.0486	none
IL26	-0.047	-0.029	-0.556	0.59105	0.723	-6.41	1.58142	none
SET	0.071	0.1063	0.5556	0.59113	0.723	-6.41	-0.1888	none
HLA-F	0.061	-0.0661	0.5555	0.59117	0.723	-6.41	-0.3434	none
FXYD6	-0.119	-0.0642	-0.555	0.59125	0.723	-6.41	0.92883	none
SRPRA	0.09	0.1795	0.5552	0.59138	0.723	-6.41	0.69794	none
MFSD14B	0.089	-0.0083	0.5552	0.59139	0.723	-6.41	-0.4007	none
ADRB3	-0.058	-0.0481	-0.555	0.59154	0.723	-6.41	0.85725	none
PPP1R18	-0.044	-0.0728	-0.555	0.59166	0.723	-6.41	1.35995	none
EPYC	0.04	0.0391	0.5548	0.59166	0.723	-6.41	-0.7614	none
TMEM267	0.104	-0.0034	0.5547	0.59169	0.723	-6.41	0.78135	none
SULT1C3	-0.039	-0.0387	-0.555	0.59173	0.723	-6.41	0	none
ATP6V1C1	-0.069	-0.1099	-0.554	0.59186	0.723	-6.41	0.83296	none
KCNIP1	-0.038	-0.0377	-0.554	0.59191	0.723	-6.41	-0.693	none
GLIPR1L1	0.045	0.0259	0.5544	0.59192	0.723	-6.41	0.66407	none
ACTRT1	0.039	0.0392	0.5544	0.59193	0.723	-6.41	0	none
DCAF7	-0.041	-0.0642	-0.554	0.59195	0.723	-6.41	1.20695	none

CLTC	-0.075	-0.0236	-0.554	0.59212	0.723	-6.41	0.02232	none
CCDC174	0.132	0.2115	0.5536	0.59247	0.723	-6.41	0.62556	none
BNC2	0.048	0.069	0.5532	0.59267	0.724	-6.41	-0.5683	none
ANPEP	-0.12	-0.0868	-0.553	0.59302	0.724	-6.41	0.31924	none
ABCD1	0.087	0.1201	0.5527	0.59304	0.724	-6.41	1.394	none
RFC3	-0.072	-0.11	-0.552	0.59322	0.724	-6.41	1.58732	none
AMIGO3	-0.053	-0.0627	-0.552	0.59323	0.724	-6.41	0.48259	none
HLA-C	0.101	-0.0113	0.5522	0.59334	0.724	-6.41	0.24808	none
RNH1	0.048	0.062	0.5521	0.5934	0.724	-6.41	0.73462	none
VAMP3	-0.055	-0.0959	-0.552	0.59347	0.724	-6.41	0.42722	none
CGB1	0.04	0.0389	0.552	0.59349	0.724	-6.41	0.54348	none
AXIN2	0.068	0.0719	0.5519	0.59357	0.724	-6.41	-0.4139	none
LAGE3	0.088	0.0852	0.5518	0.59363	0.724	-6.41	0.83909	none
NAALADL1	0.07	0.0468	0.5518	0.59364	0.724	-6.41	0.21773	none
PGAM4	-0.137	-0.053	-0.552	0.59368	0.724	-6.41	-0.0808	none
PDIA4	0.112	0.2263	0.5511	0.59406	0.724	-6.41	0.94296	none
GRAPL	0.084	0.1696	0.551	0.59413	0.724	-6.41	0.99826	none
OR2T35	0.04	0.0505	0.551	0.59415	0.724	-6.41	0.65405	none
GPC5	0.076	0.0417	0.5509	0.5942	0.724	-6.41	0.11779	none
CLDND1	-0.095	-0.1645	-0.551	0.59422	0.724	-6.41	0.4431	none
FAM122B	0.084	-0.0222	0.5509	0.59424	0.724	-6.41	-0.7874	none
VASN	-0.041	-0.0388	-0.551	0.59424	0.724	-6.41	0.70724	none
C1ORF185	0.039	0.0389	0.5509	0.59425	0.724	-6.41	0.18059	none
LHFPL3	0.037	0.0337	0.5507	0.59432	0.724	-6.41	-0.7712	none
VAT1L	0.052	0.055	0.5507	0.59434	0.724	-6.41	1.00246	none
PPCS	0.078	#####	0.5505	0.5945	0.725	-6.41	-0.4073	none
PAX3	0.059	0.0549	0.5499	0.59488	0.725	-6.41	-0.7616	none
ELOVL4	-0.068	-0.0804	-0.55	0.59504	0.725	-6.41	1.06922	none
PLCB3	0.104	0.2032	0.5496	0.59506	0.725	-6.41	-0.2322	none
ZNF625-ZNF626	0.077	0.0509	0.5492	0.59536	0.725	-6.41	0.61378	none
PIFO	-0.049	-0.0497	-0.549	0.59549	0.726	-6.41	0.04747	none
BAMBI	-0.04	-0.0439	-0.549	0.5955	0.726	-6.41	0.38472	none
PNRC1	0.075	-0.0269	0.5488	0.5956	0.726	-6.41	0.13872	none
BHLHA9	0.039	0.0387	0.5488	0.59563	0.726	-6.41	0.20016	none
EGLN2	-0.042	0.0014	-0.549	0.59567	0.726	-6.41	1.10974	none
CSDC2	-0.08	-0.0884	-0.548	0.59592	0.726	-6.41	-0.3203	none
LRIT3	0.039	0.0261	0.5482	0.596	0.726	-6.41	0	none
CFAP46	-0.097	-0.0873	-0.548	0.59609	0.726	-6.41	1.95025	none
SPRY2	0.041	0.0299	0.5481	0.5961	0.726	-6.41	-0.4393	none
AGAP9	-0.061	-0.0171	-0.548	0.59619	0.726	-6.41	0.88322	none

RBM28	0.129	0.2551	0.5477	0.59631	0.726	-6.41	1.16326	none
ECH1	0.053	0.0697	0.5477	0.59635	0.726	-6.41	-0.1184	none
ATP6V1G3	0.05	0.0072	0.5473	0.59658	0.726	-6.41	1.44766	none
PDZRN3	-0.1	-0.0999	-0.547	0.59661	0.726	-6.41	0.05158	none
XKR3	0.038	0.0386	0.5471	0.59672	0.726	-6.41	0	none
PSCA	0.046	0.0554	0.547	0.5968	0.726	-6.41	-0.321	none
DEFA4	-0.038	-0.038	-0.547	0.59699	0.727	-6.41	-0.0522	none
SEMA5A	0.062	0.0208	0.5466	0.59706	0.727	-6.41	-0.702	none
BCAS2	-0.044	-0.0505	-0.547	0.59708	0.727	-6.41	0.3495	none
TMEM222	-0.054	-0.0352	-0.546	0.59718	0.727	-6.41	1.4368	none
CST9	-0.038	-0.0262	-0.546	0.59722	0.727	-6.41	0	none
LIMD2	0.066	0.0732	0.5462	0.5973	0.727	-6.41	0.19892	none
AGPAT4	0.071	0.0755	0.5462	0.59735	0.727	-6.41	1.17786	none
LSM8	-0.125	-0.1731	-0.546	0.59751	0.727	-6.41	1.02358	none
ZNF768	0.07	0.1292	0.5458	0.59757	0.727	-6.41	0.86419	none
PRAMEF8	0.038	0.0386	0.5457	0.59764	0.727	-6.41	0	none
ANLN	0.156	0.3295	0.5455	0.59781	0.727	-6.41	0.73903	none
LGALS3	-0.092	-0.18	-0.545	0.59818	0.727	-6.42	1.02702	none
KIAA2013	-0.082	-0.0624	-0.545	0.59821	0.727	-6.42	-0.2427	none
ZNF235	0.11	0.0679	0.5445	0.59844	0.728	-6.42	-0.4391	none
RLBP1	-0.075	-0.0571	-0.544	0.59849	0.728	-6.42	-0.0267	none
FAM110A	0.072	0.0296	0.5444	0.59852	0.728	-6.42	0.48327	none
PLPPR3	0.105	0.1002	0.544	0.59879	0.728	-6.42	0.36784	none
TMEM254	-0.069	-0.1727	-0.544	0.59883	0.728	-6.42	0.61781	none
TPGS2	-0.063	-0.0526	-0.544	0.59904	0.728	-6.42	0.66671	none
P2RY1	0.042	0.0564	0.5433	0.59921	0.728	-6.42	0.39563	none
UHMK1	0.079	-0.0264	0.5433	0.59922	0.728	-6.42	1.07828	none
ATP6V0A4	0.152	0.0542	0.5433	0.59922	0.728	-6.42	-0.2773	none
PREB	0.059	0.0215	0.5433	0.59925	0.728	-6.42	1.15515	none
PSMD4	0.051	0.0455	0.5432	0.59931	0.728	-6.42	-0.8701	none
TAGAP	0.07	0.0254	0.5431	0.59936	0.728	-6.42	0.39681	none
SESN1	0.075	0.0423	0.543	0.59944	0.728	-6.42	0.78972	none
GH1	0.04	0.038	0.5428	0.59961	0.728	-6.42	-0.1976	none
LIMCH1	0.054	0.0519	0.5425	0.59977	0.728	-6.42	-0.1492	none
TRPV4	0.052	0.0644	0.5425	0.5998	0.728	-6.42	-0.8484	none
SPZ1	0.038	0.0381	0.5423	0.59993	0.729	-6.42	-0.9277	none
SON	0.14	0.2536	0.542	0.60013	0.729	-6.42	-0.1323	none
NLRP5	0.09	0.0513	0.5417	0.60033	0.729	-6.42	0.60867	none
POLDIP3	0.048	0.0532	0.5416	0.60038	0.729	-6.42	1.24716	none
ACACA	0.087	0.1188	0.5416	0.6004	0.729	-6.42	-0.2958	none

CD5L	0.041	0.0521	0.5413	0.60055	0.729	-6.42	1.84921	none
ENOX1	-0.048	-0.0425	-0.541	0.6006	0.729	-6.42	0.53781	none
RNF141	-0.066	-0.1089	-0.541	0.60102	0.73	-6.42	0.65662	none
PSMG1	-0.051	-0.1135	-0.54	0.60122	0.73	-6.42	0.55057	none
YJEFN3	0.068	0.1141	0.5402	0.60132	0.73	-6.42	-0.3477	none
C1ORF115	0.039	0.0438	0.5401	0.60139	0.73	-6.42	0.55665	none
XYLT1	0.057	0.1114	0.5399	0.60149	0.73	-6.42	0.70994	none
FAM53A	-0.036	-0.0231	-0.54	0.60164	0.73	-6.42	1.14919	none
LATS2	0.051	0.1006	0.5393	0.60187	0.73	-6.42	-0.8133	none
ZNF728	-0.036	-0.0157	-0.539	0.60195	0.73	-6.42	0.84376	none
OVOL2	-0.049	-0.0208	-0.539	0.60224	0.731	-6.42	-0.4903	none
NOL7	-0.053	0.0044	-0.539	0.60234	0.731	-6.42	1.18311	none
OR5J2	-0.037	-0.0373	-0.539	0.60235	0.731	-6.42	-0.2977	none
OR6C70	-0.037	-0.0373	-0.539	0.60235	0.731	-6.42	-0.5817	none
CCL21	0.038	0.0378	0.5385	0.60246	0.731	-6.42	-0.8467	none
AC233755	0.045	0.0594	0.5382	0.60265	0.731	-6.42	1.19517	none
PRRX1	-0.062	-0.0535	-0.538	0.60266	0.731	-6.42	0.87027	none
IGHMBP2	0.112	0.2149	0.5378	0.60291	0.731	-6.42	1.03565	none
CCDC18	0.135	0.213	0.5375	0.60308	0.731	-6.42	0.76354	none
TEX13A	0.038	0.0377	0.5372	0.60327	0.731	-6.42	0	none
KLHDC2	0.059	-0.0227	0.537	0.60345	0.731	-6.42	0.9949	none
ACSM1	-0.037	-0.0396	-0.537	0.60346	0.731	-6.42	-0.0859	none
APOB	0.054	0.0172	0.5369	0.60346	0.731	-6.42	-0.2766	none
BRD9	0.065	0.1298	0.5359	0.60412	0.732	-6.42	0.4818	none
URGCP	0.116	0.2224	0.5359	0.60414	0.732	-6.42	0.63763	none
ZNF385B	-0.058	-0.0239	-0.536	0.60416	0.732	-6.42	0.65805	none
METTL24	-0.048	-0.0305	-0.536	0.60433	0.732	-6.42	-0.559	none
CCDC138	0.065	0.086	0.5356	0.60436	0.732	-6.42	0.38688	none
ZDHHC11	0.112	0.1557	0.5354	0.6045	0.732	-6.42	1.00466	none
RPH3AL	0.129	0.0385	0.5353	0.60458	0.732	-6.42	-0.4423	none
H1FNT	0.064	0.0794	0.535	0.60475	0.733	-6.42	0.97052	none
RTN4R	0.094	0.0339	0.5348	0.60491	0.733	-6.42	0.07208	none
BIRC2	0.063	0.0219	0.5347	0.60493	0.733	-6.42	0.58682	none
ZNF830	0.082	0.0991	0.5347	0.60493	0.733	-6.42	0.9556	none
DEPTOR	-0.043	-0.0305	-0.535	0.60504	0.733	-6.42	0.72538	none
NCBP2L	0.037	0.0377	0.5344	0.60518	0.733	-6.42	0.72753	none
GRIK5	-0.039	-0.0168	-0.534	0.60525	0.733	-6.42	1.60311	none
ARL2BP	0.087	0.0191	0.5338	0.60552	0.733	-6.42	0.22917	none
TEAD1	-0.04	-0.0349	-0.533	0.60588	0.733	-6.42	-0.3773	none
FGFBP1	0.037	0.0373	0.5333	0.60589	0.733	-6.42	0	none



FMOD	-0.048	-0.0656	-0.533	0.60592	0.733	-6.42	0.04663	none
MED9	0.046	0.0284	0.5331	0.606	0.734	-6.42	-0.2655	none
OR2B6	0.037	0.0384	0.5331	0.60604	0.734	-6.42	0	none
GEMIN7	0.051	-0.0013	0.5329	0.60617	0.734	-6.42	-0.8237	none
GPR101	0.038	0.04	0.5327	0.60626	0.734	-6.42	-0.2757	none
RIMKLB	-0.133	-0.1335	-0.533	0.6063	0.734	-6.42	1.03314	none
TADA3	0.082	0.1044	0.5325	0.60642	0.734	-6.42	-0.0551	none
SPOCK2	-0.081	-0.0233	-0.532	0.60705	0.734	-6.42	0.93197	none
UGT1A6	-0.055	-0.0576	-0.532	0.60706	0.734	-6.42	1.20406	none
BTBD17	0.037	0.0372	0.5313	0.60719	0.735	-6.42	-0.3669	none
C7ORF25	0.124	0.0562	0.5313	0.60725	0.735	-6.42	-0.5162	none
SORBS1	0.092	0.0824	0.5309	0.60748	0.735	-6.42	0.04286	none
SUCLG2	-0.051	-0.0429	-0.531	0.60754	0.735	-6.42	0.93453	none
MOS	0.037	0.0371	0.5308	0.60757	0.735	-6.42	-0.5995	none
LMAN2	-0.066	-0.0623	-0.53	0.60778	0.735	-6.42	-0.2463	none
GP5	0.039	0.0408	0.5299	0.60814	0.735	-6.42	0.97646	none
SLC25A35	-0.17	-0.1086	-0.529	0.60852	0.736	-6.42	0.94345	none
ZFP92	0.053	0.0938	0.5292	0.60864	0.736	-6.42	-0.156	none
YBEY	-0.071	-0.1511	-0.529	0.60865	0.736	-6.42	0.35093	none
CYBB	-0.037	-0.0463	-0.529	0.60884	0.736	-6.42	0	none
OR2G2	-0.036	-0.0365	-0.529	0.60887	0.736	-6.42	0	none
SEMA3E	-0.212	-0.1506	-0.529	0.60899	0.736	-6.42	1.58348	none
SOWAHD	0.04	0.0403	0.5284	0.60913	0.736	-6.42	-0.2449	none
KRTAP10-8	0.043	0.015	0.5284	0.60914	0.736	-6.42	1.06669	none
RAB1A	-0.069	-0.1286	-0.528	0.60924	0.736	-6.42	0.91938	none
OR51H1	-0.036	-0.0364	-0.528	0.60931	0.736	-6.42	0	none
TCEAL6	0.037	0.0369	0.528	0.60944	0.736	-6.42	-0.1349	none
BFAR	0.097	0.0176	0.5279	0.6095	0.736	-6.42	0.36482	none
GMPPA	-0.062	-0.0711	-0.528	0.60957	0.736	-6.42	0.08398	none
TTYH3	-0.07	0.0188	-0.528	0.60969	0.737	-6.42	0.97457	none
KRTAP4-5	0.037	0.0368	0.5273	0.60987	0.737	-6.42	1.61682	none
OGFR	0.095	0.2171	0.5273	0.60987	0.737	-6.42	0.20554	none
GMPPB	0.067	0.049	0.5273	0.6099	0.737	-6.42	1.03064	none
C17ORF47	-0.037	-0.022	-0.527	0.61015	0.737	-6.43	0	none
EPHA8	-0.037	-0.019	-0.527	0.6102	0.737	-6.43	1.31985	none
CATSPER4	0.034	0.04	0.5268	0.61023	0.737	-6.43	-0.2432	none
ATP6V0D1	-0.065	-0.1319	-0.527	0.61026	0.737	-6.43	1.15616	none
GATA3	0.073	0.0919	0.5261	0.61066	0.737	-6.43	0.25681	none
DNASE1L2	-0.038	-0.0033	-0.526	0.61071	0.737	-6.43	0.20117	none
KLK4	0.056	0.0797	0.5259	0.61086	0.737	-6.43	0.99901	none

CCDC173	0.042	0.0608	0.5257	0.61097	0.737	-6.43	0.75282	none
CHKB-CPT	0.117	0.0789	0.5256	0.61105	0.738	-6.43	-0.0372	none
TMEM234	-0.096	-0.0074	-0.525	0.61123	0.738	-6.43	0.97226	none
CGB3	0.075	0.0816	0.5252	0.6113	0.738	-6.43	-0.5962	none
RNF187	0.045	0.0465	0.5251	0.61136	0.738	-6.43	0.51516	none
ARSH	0.037	0.0366	0.5249	0.61147	0.738	-6.43	0	none
SFRP1	0.038	0.0487	0.5246	0.61171	0.738	-6.43	0	none
PIK3R4	-0.082	0.0452	-0.525	0.61175	0.738	-6.43	1.83515	none
MT-CO2	0.053	0.0647	0.5245	0.61175	0.738	-6.43	0.47333	none
MARVELD	-0.072	-0.0296	-0.524	0.61221	0.739	-6.43	-0.2336	none
COL6A6	0.038	0.0385	0.5234	0.61248	0.739	-6.43	0.91899	none
ZSWIM5	0.069	0.0818	0.5233	0.61259	0.739	-6.43	1.26255	none
CCDC126	-0.092	-0.1297	-0.523	0.6126	0.739	-6.43	-0.3819	none
CD200R1	0.045	0.004	0.5231	0.61271	0.739	-6.43	0.90692	none
HSD3B1	0.091	0.1182	0.523	0.6128	0.739	-6.43	1.48764	none
TCF7L2	-0.175	-0.1372	-0.523	0.61283	0.739	-6.43	0.46187	none
RGSL1	0.095	0.1239	0.5227	0.61296	0.739	-6.43	0.99497	none
PTGER3	-0.056	-0.0845	-0.523	0.613	0.739	-6.43	0.47129	none
ZNF469	0.035	0.0576	0.5225	0.61309	0.739	-6.43	-0.0051	none
KRT82	0.035	0.0411	0.5221	0.61339	0.739	-6.43	0	none
AC104389	0.036	0.0363	0.5217	0.61362	0.74	-6.43	0	none
BIN3	-0.071	-0.0172	-0.522	0.61374	0.74	-6.43	1.40544	none
SRRM4	0.138	0.1169	0.5211	0.61402	0.74	-6.43	-0.0022	none
HLA-B	-0.059	-0.1202	-0.521	0.61408	0.74	-6.43	0.49025	none
OR51T1	-0.036	-0.0358	-0.52	0.61452	0.74	-6.43	0	none
GP9	0.036	0.0362	0.5204	0.61453	0.74	-6.43	-0.6649	none
LEXM	-0.039	-0.0444	-0.52	0.61461	0.74	-6.43	1.97131	none
EOMES	0.042	0.0487	0.5202	0.61462	0.74	-6.43	0.83261	none
OR52E8	0.036	0.0362	0.52	0.61479	0.741	-6.43	0	none
CCDC17	-0.09	0.0153	-0.52	0.61485	0.741	-6.43	1.70873	none
UTS2	-0.113	-0.0989	-0.52	0.61485	0.741	-6.43	0.89973	none
ZFP91-CN1	0.091	0.1963	0.5197	0.61501	0.741	-6.43	0.0707	none
CST8	0.036	0.0361	0.5196	0.61502	0.741	-6.43	0	none
CLEC18B	0.121	0.1092	0.5195	0.6151	0.741	-6.43	0.99591	none
WDFY1	0.051	0.1215	0.5193	0.61525	0.741	-6.43	0.60936	none
FOXD4L3	-0.034	-0.0116	-0.519	0.61528	0.741	-6.43	0	none
KLHL29	-0.035	-0.0226	-0.519	0.61541	0.741	-6.43	0	none
ITGA8	-0.072	-0.0648	-0.519	0.61549	0.741	-6.43	1.33749	none
SIGLEC7	0.083	0.033	0.5189	0.6155	0.741	-6.43	0.89368	none
NEU1	-0.102	-0.1368	-0.519	0.61551	0.741	-6.43	0.19437	none

GAS2	-0.072	-0.0474	-0.519	0.61557	0.741	-6.43	-0.1346	none
UCKL1	0.053	0.0473	0.5188	0.61559	0.741	-6.43	0.355	none
IL12RB2	0.11	0.1863	0.5188	0.6156	0.741	-6.43	-0.0532	none
C15ORF65	-0.051	0.0116	-0.518	0.61613	0.741	-6.43	0.60808	none
CT45A2	0.036	0.036	0.5175	0.61648	0.742	-6.43	1.26503	none
TRIM44	-0.09	0.0249	-0.517	0.61648	0.742	-6.43	1.00697	none
PISD	0.044	0.0922	0.5174	0.6165	0.742	-6.43	-0.0582	none
AP2M1	-0.054	0.0107	-0.517	0.61654	0.742	-6.43	1.43168	none
IMMP1L	0.065	-0.0779	0.5173	0.6166	0.742	-6.43	-0.2789	none
TGFB3	0.096	0.1011	0.5173	0.61661	0.742	-6.43	0.81479	none
LMNB2	0.096	0.2022	0.5172	0.61668	0.742	-6.43	0.32229	none
VIP	0.041	0.0564	0.5169	0.61687	0.742	-6.43	-0.0049	none
RIPPLY1	-0.04	-0.0146	-0.517	0.61702	0.742	-6.43	-0.3799	none
ATP6V1G1	-0.058	-0.1414	-0.517	0.61706	0.742	-6.43	-0.3164	none
GATA4	0.053	0.0534	0.5164	0.61721	0.742	-6.43	-0.1723	none
ARNTL	0.056	0.0704	0.5161	0.61739	0.742	-6.43	0.94594	none
PRTN3	0.038	0.0486	0.516	0.61747	0.742	-6.43	1.65452	none
LSMEM1	0.084	0.0651	0.5159	0.61752	0.742	-6.43	0.56936	none
DEGS2	0.058	0.0522	0.5159	0.61752	0.742	-6.43	1.74492	none
RAB11FIP5	-0.047	-0.0074	-0.516	0.61757	0.742	-6.43	0.98603	none
TRAK1	0.109	0.2531	0.5157	0.61764	0.742	-6.43	-0.2138	none
CLUH	0.129	0.2905	0.5156	0.61772	0.742	-6.43	-0.2249	none
TRAPPC13	-0.082	-0.0534	-0.516	0.61779	0.742	-6.43	1.26043	none
AANAT	0.083	0.0342	0.5148	0.61829	0.743	-6.43	-0.1393	none
WNT11	0.103	0.121	0.5147	0.61831	0.743	-6.43	0.63143	none
LRIG1	0.105	0.2752	0.5147	0.61833	0.743	-6.43	0.11528	none
ANP32D	0.036	0.0357	0.5147	0.61834	0.743	-6.43	0.46363	none
SLC10A4	0.043	0.0582	0.5147	0.61836	0.743	-6.43	-0.601	none
MPV17	0.064	-0.02	0.5145	0.61849	0.743	-6.43	0.02488	none
IL19	-0.039	-0.0503	-0.514	0.61855	0.743	-6.43	1.2551	none
IFNA4	-0.035	-0.0352	-0.514	0.61874	0.743	-6.43	0	none
FETUB	0.036	0.0356	0.5134	0.61924	0.744	-6.43	-0.7372	none
RS1	0.05	0.0502	0.5133	0.61925	0.744	-6.43	-0.0707	none
OR13C4	0.036	0.0356	0.5133	0.61931	0.744	-6.43	0	none
ARL8B	-0.052	-0.0733	-0.513	0.6195	0.744	-6.43	0.68595	none
DACT2	0.035	0.0178	0.5129	0.61956	0.744	-6.43	0.52905	none
TIMMDC1	-0.048	-0.1064	-0.513	0.61973	0.744	-6.43	0.21846	none
ATP2B2	0.035	0.0363	0.5124	0.61988	0.744	-6.43	-0.0794	none
ATAD3A	0.074	0.1726	0.5123	0.61993	0.744	-6.43	0.01303	none
SLA	0.09	0.1864	0.5123	0.61995	0.744	-6.43	-0.4948	none

CCDC181	0.038	0.0465	0.5123	0.61996	0.744	-6.43	0.32171	none
MADCAM:	0.04	0.0589	0.5121	0.62006	0.744	-6.43	0.73885	none
MSANTD3	0.046	0.0541	0.5117	0.62038	0.744	-6.43	1.25279	none
AMPH	-0.122	-0.1271	-0.512	0.62039	0.744	-6.43	0.75205	none
GRSF1	-0.049	-0.051	-0.512	0.62045	0.744	-6.43	1.16584	none
ARMCX1	-0.063	-0.0388	-0.511	0.62052	0.745	-6.43	1.3525	none
SAT2	-0.076	-0.112	-0.511	0.62067	0.745	-6.43	0.61906	none
RERGL	-0.039	-0.023	-0.511	0.62086	0.745	-6.43	1.59989	none
ZNF518A	-0.118	0.0048	-0.511	0.62103	0.745	-6.43	0.78889	none
GALNT13	0.059	0.0447	0.5107	0.62103	0.745	-6.43	-0.5707	none
ZBTB7A	0.113	0.269	0.5104	0.62121	0.745	-6.43	0.67358	none
LRRC26	0.041	0.0273	0.51	0.62154	0.745	-6.43	0.52775	none
CP	-0.076	-0.1098	-0.51	0.62162	0.745	-6.43	0.24027	none
UNC119B	0.069	0.0677	0.5097	0.62174	0.746	-6.43	0.12751	none
OR13H1	0.035	0.0353	0.5096	0.62179	0.746	-6.43	0	none
OR1K1	0.04	0.0144	0.5096	0.6218	0.746	-6.43	1.08183	none
FASTKD5	-0.035	-0.0396	-0.509	0.62206	0.746	-6.43	1.08037	none
CACNA1C	-0.048	-0.0355	-0.509	0.62216	0.746	-6.43	1.84687	none
SLC39A4	0.05	0.0446	0.509	0.62216	0.746	-6.43	-0.2898	none
DDX39B	-0.069	-0.0706	-0.509	0.62223	0.746	-6.43	1.82217	none
IL36RN	0.076	0.0884	0.5088	0.62229	0.746	-6.43	0.55974	none
PPP1R1C	0.099	0.1178	0.5086	0.62243	0.746	-6.44	0.21546	none
FHL3	0.056	0.1297	0.5085	0.62249	0.746	-6.44	0.6623	none
CHST7	0.062	0.0753	0.5084	0.62259	0.746	-6.44	0.50134	none
FAM155B	0.037	0.0609	0.5084	0.62262	0.746	-6.44	0	none
DVL1	-0.099	-0.0167	-0.508	0.6227	0.746	-6.44	0.8132	none
HCN2	-0.034	-0.0207	-0.508	0.62293	0.746	-6.44	0	none
DYRK4	-0.068	-0.1408	-0.508	0.62302	0.746	-6.44	0.75495	none
CD79A	-0.058	-0.0495	-0.508	0.62304	0.746	-6.44	0.59002	none
MMP26	-0.035	-0.0347	-0.507	0.6232	0.746	-6.44	0	none
OPN1SW	0.05	0.0534	0.5075	0.62321	0.746	-6.44	-0.7332	none
CDH19	0.047	0.0376	0.5067	0.62377	0.747	-6.44	0.22565	none
DDX49	0.072	0.1473	0.5064	0.62397	0.747	-6.44	0.38115	none
CBWD1	0.058	#####	0.5063	0.62401	0.747	-6.44	-0.5501	none
TNFSF10	-0.073	-0.0767	-0.506	0.62404	0.747	-6.44	-0.3645	none
ATP6V1E2	-0.11	-0.0456	-0.506	0.62405	0.747	-6.44	0.87381	none
ZMYND15	0.044	0.035	0.5062	0.62406	0.747	-6.44	1.36899	none
ZC4H2	0.087	0.0162	0.5061	0.62414	0.747	-6.44	0.17012	none
HIST2H3D	-0.12	-0.1344	-0.506	0.62424	0.747	-6.44	1.71303	none
IGF2BP2	0.077	0.0739	0.5057	0.62439	0.747	-6.44	1.71896	none

UCN3	-0.035	-0.0345	-0.506	0.62441	0.747	-6.44	0	none
MYO3A	0.043	0.0447	0.5056	0.62445	0.747	-6.44	0.44406	none
C1QC	0.035	0.0349	0.5055	0.62453	0.747	-6.44	-0.6576	none
TTR	0.103	0.0452	0.5052	0.62478	0.748	-6.44	-0.5152	none
CCDC43	-0.058	-0.0395	-0.505	0.62509	0.748	-6.44	0.71001	none
PXDNL	-0.037	-0.0189	-0.505	0.62512	0.748	-6.44	0.62377	none
KCNF1	0.038	0.0462	0.5046	0.62513	0.748	-6.44	-0.1667	none
SC5D	0.093	0.0225	0.5045	0.62522	0.748	-6.44	0.81625	none
CRHBP	-0.102	-0.0758	-0.504	0.62526	0.748	-6.44	0.1097	none
KY	0.057	0.0629	0.5043	0.62538	0.748	-6.44	0.87267	none
ATG5	-0.047	-0.069	-0.504	0.62549	0.748	-6.44	1.61267	none
PSMB11	-0.034	-0.016	-0.504	0.62559	0.748	-6.44	1.82105	none
COL8A2	-0.035	-0.0268	-0.504	0.62562	0.748	-6.44	0	none
SBSN	0.08	0.0796	0.5037	0.62579	0.748	-6.44	0.43345	none
MRPS21	-0.063	-0.1139	-0.504	0.62587	0.748	-6.44	0.37886	none
PIGV	-0.073	-0.1212	-0.503	0.62592	0.748	-6.44	1.73766	none
FRS2	0.06	0.0548	0.5035	0.62592	0.748	-6.44	1.51107	none
POU3F1	-0.034	-0.0148	-0.503	0.62593	0.748	-6.44	0.54825	none
RBM18	-0.101	-0.1276	-0.503	0.62617	0.748	-6.44	1.5969	none
C17ORF10	0.079	0.0147	0.503	0.62627	0.749	-6.44	-0.3112	none
ZC2HC1B	-0.037	-0.0077	-0.503	0.62644	0.749	-6.44	-0.2141	none
GSC2	0.035	0.0274	0.5027	0.62647	0.749	-6.44	0.19512	none
DUSP1	-0.061	-0.0669	-0.503	0.62647	0.749	-6.44	0.24976	none
OR2A42	-0.035	-0.0187	-0.502	0.62706	0.749	-6.44	0.98324	none
EPHA3	0.036	0.0298	0.5017	0.62713	0.749	-6.44	0.37349	none
CEBPD	-0.037	-0.0446	-0.501	0.62739	0.75	-6.44	1.12509	none
FAM107B	0.047	#####	0.5012	0.62745	0.75	-6.44	0.037	none
MIDN	0.088	0.1425	0.5011	0.6275	0.75	-6.44	-0.0202	none
OSCP1	0.127	0.0306	0.5006	0.62784	0.75	-6.44	0.86031	none
EIF4A3	-0.045	-0.0194	-0.501	0.62785	0.75	-6.44	1.71553	none
TMPRSS6	0.085	0.1037	0.5004	0.62797	0.75	-6.44	0.42319	none
ST13	-0.047	-0.0154	-0.5	0.628	0.75	-6.44	1.02332	none
RNASE1	-0.064	-0.064	-0.5	0.62826	0.75	-6.44	0.70485	none
4-Sep	0.097	0.0484	0.4999	0.62833	0.75	-6.44	-0.5616	none
EPDR1	-0.057	-0.0548	-0.5	0.62833	0.75	-6.44	0.01656	none
OR6Q1	-0.034	-0.0341	-0.5	0.62844	0.75	-6.44	0	none
PCID2	-0.049	-0.0993	-0.5	0.62851	0.75	-6.44	0.29484	none
IAH1	-0.067	-0.1395	-0.5	0.62859	0.75	-6.44	0.6149	none
MCRS1	0.061	0.0392	0.4992	0.6288	0.751	-6.44	0.54249	none
EIF3I	-0.037	-0.0833	-0.499	0.62896	0.751	-6.44	0.46827	none

THSD4	0.058	0.0173	0.4984	0.62937	0.751	-6.44	-0.5852	none
FDX1	-0.089	-0.1181	-0.498	0.62943	0.751	-6.44	0.99139	none
ICAM5	0.043	0.0625	0.4982	0.62953	0.751	-6.44	0.60176	none
ELAVL4	-0.04	-0.0404	-0.498	0.62953	0.751	-6.44	0.34731	none
MRM2	0.05	0.1086	0.498	0.62964	0.751	-6.44	0.9228	none
ZNF77	0.069	0.0589	0.4977	0.62983	0.751	-6.44	-0.3642	none
CMPK2	-0.054	-0.0735	-0.498	0.6299	0.751	-6.44	0.24293	none
ST6GALNA	0.062	-0.0438	0.4974	0.63002	0.752	-6.44	0.93741	none
NR4A1	0.056	0.1142	0.497	0.63029	0.752	-6.44	0.17298	none
ADCY5	-0.095	-0.0584	-0.497	0.63043	0.752	-6.44	1.17116	none
MTMR11	0.066	0.0193	0.4966	0.63059	0.752	-6.44	1.19734	none
SRP9	-0.078	-0.1431	-0.497	0.63062	0.752	-6.44	0.18321	none
SNN	0.042	0.0241	0.4964	0.63069	0.752	-6.44	0.06947	none
ICE2	0.088	0.0974	0.4964	0.63069	0.752	-6.44	0.65192	none
OR8K5	0.034	0.0342	0.4963	0.63076	0.752	-6.44	0	none
SLC25A47	-0.032	-0.0141	-0.496	0.63081	0.752	-6.44	-0.2453	none
MRPL23	-0.088	-0.0639	-0.496	0.63082	0.752	-6.44	0.07118	none
MYL9	0.047	0.0775	0.4962	0.63083	0.752	-6.44	1.02633	none
LHX9	-0.079	-0.0902	-0.496	0.631	0.752	-6.44	0.53933	none
THEG	-0.039	-0.0096	-0.496	0.63106	0.752	-6.44	-0.7151	none
IFNA5	0.034	0.0341	0.4956	0.63125	0.752	-6.44	0	none
KCNIP2	0.082	0.1305	0.4954	0.63138	0.752	-6.44	0.45998	none
C8G	0.133	0.1435	0.4953	0.63148	0.752	-6.44	-0.3016	none
LARP7	0.124	0.2699	0.4951	0.63164	0.753	-6.44	0.46819	none
TNFAIP2	0.118	0.0716	0.4947	0.6319	0.753	-6.44	-0.4371	none
PGM3	0.11	0.1433	0.4944	0.6321	0.753	-6.44	1.47188	none
AMOT	-0.062	-0.0561	-0.494	0.63211	0.753	-6.44	0.91556	none
C3ORF14	-0.11	-0.221	-0.494	0.63229	0.753	-6.44	0.19035	none
TBC1D26	0.05	0.0721	0.4939	0.63239	0.753	-6.44	-0.4524	none
VSTM2L	-0.036	-0.0486	-0.494	0.63243	0.753	-6.44	0.25943	none
RAB3IL1	-0.079	-0.0251	-0.494	0.63258	0.753	-6.44	0.0091	none
C12ORF54	0.068	0.0538	0.4936	0.63264	0.753	-6.44	1.28249	none
IFI27	-0.141	-0.3015	-0.493	0.63273	0.753	-6.44	0.09332	none
LRTM2	-0.042	-0.0298	-0.493	0.63288	0.754	-6.44	1.57682	none
IL27RA	0.078	0.159	0.4932	0.63293	0.754	-6.44	1.13807	none
C17ORF67	-0.066	-0.0653	-0.493	0.63317	0.754	-6.44	0.27086	none
NIT1	-0.075	-0.0856	-0.493	0.63323	0.754	-6.44	1.43439	none
OR5AC2	0.034	0.0338	0.4923	0.63349	0.754	-6.44	0	none
OR7A10	0.034	0.0338	0.4923	0.63349	0.754	-6.44	0	none
CD300LB	0.035	0.035	0.4922	0.63354	0.754	-6.44	0	none

CTAG1A	0.034	0.0338	0.4922	0.63358	0.754	-6.44	0	none
UBL4A	-0.051	0.0106	-0.492	0.63372	0.754	-6.44	1.51405	none
LHX3	-0.037	-0.0225	-0.492	0.63386	0.754	-6.44	0.67306	none
CYP2A6	0.034	0.0338	0.4917	0.63392	0.754	-6.44	-0.7974	none
URAD	0.034	0.0338	0.4917	0.63392	0.754	-6.44	0	none
DERA	0.075	-0.0614	0.4916	0.634	0.754	-6.44	0.50368	none
RRP9	-0.052	0.0143	-0.492	0.63403	0.754	-6.44	1.32206	none
WIPI2	-0.065	-0.0473	-0.491	0.63417	0.754	-6.44	1.23713	none
DAB1	-0.049	-0.0339	-0.491	0.63424	0.754	-6.44	0.74991	none
ISCA2	-0.069	-0.1013	-0.491	0.63428	0.754	-6.44	0.51931	none
HIST1H2BI	0.119	0.144	0.4908	0.6345	0.755	-6.44	0.87311	none
ZNF629	0.036	0.0771	0.4904	0.63477	0.755	-6.44	0.90355	none
CCL19	-0.068	-0.0675	-0.49	0.63493	0.755	-6.44	0.76786	none
FAM20A	0.046	0.06	0.4896	0.63537	0.755	-6.45	-0.6685	none
HDAC1	0.039	0.0319	0.4895	0.63545	0.755	-6.45	0.36332	none
HRCT1	0.034	0.0336	0.4892	0.63562	0.756	-6.45	-0.7237	none
AQP5	0.036	0.0363	0.4886	0.636	0.756	-6.45	0.62862	none
TULP2	-0.098	-0.1345	-0.489	0.63605	0.756	-6.45	1.36529	none
OR52J3	0.034	0.0335	0.4886	0.63606	0.756	-6.45	0	none
HEXA	-0.063	-0.0922	-0.488	0.63611	0.756	-6.45	0.06814	none
MBOAT2	0.067	#####	0.4885	0.63613	0.756	-6.45	1.03385	none
TP53I13	0.041	0.0185	0.4883	0.6362	0.756	-6.45	1.33789	none
CTNNBIP1	-0.143	-0.2029	-0.488	0.63622	0.756	-6.45	-0.4949	none
AMN	-0.041	-0.0262	-0.488	0.63634	0.756	-6.45	0.42002	none
BNIP2	0.033	-0.0201	0.4881	0.63636	0.756	-6.45	0.98994	none
NUDT16	0.037	0.1226	0.4881	0.63637	0.756	-6.45	0.76992	none
FBXL3	-0.082	-0.1264	-0.488	0.63643	0.756	-6.45	1.27075	none
SLC5A11	0.08	0.0639	0.488	0.63644	0.756	-6.45	0.68684	none
NAPA	0.066	0.0545	0.488	0.63646	0.756	-6.45	0.16604	none
NTSR1	0.054	0.0923	0.4879	0.63653	0.756	-6.45	0.7771	none
CD320	-0.059	-0.0496	-0.488	0.63668	0.756	-6.45	-0.1478	none
SOX10	0.098	0.1388	0.4876	0.63674	0.756	-6.45	0.38759	none
DEDD2	-0.044	-0.0579	-0.488	0.63677	0.756	-6.45	0.39956	none
TMEM144	0.051	0.0101	0.4875	0.6368	0.756	-6.45	0.45971	none
OTOF	-0.055	-0.0309	-0.487	0.63682	0.756	-6.45	0.13039	none
KLRF2	0.057	0.0137	0.4874	0.63686	0.756	-6.45	0.6407	none
IFNA16	0.033	0.0334	0.4866	0.6374	0.757	-6.45	0	none
OR8H3	0.033	0.0334	0.4866	0.6374	0.757	-6.45	0	none
GPR39	0.04	0.0397	0.4865	0.63744	0.757	-6.45	0	none
ZIM2	0.033	0.0333	0.4865	0.63744	0.757	-6.45	-0.8173	none

GJB1	0.088	0.1276	0.4863	0.6376	0.757	-6.45	1.26461	none
THEMIS2	-0.052	0.0039	-0.486	0.63763	0.757	-6.45	1.52384	none
RAPGEF5	-0.061	0.0188	-0.486	0.63783	0.757	-6.45	-0.0611	none
C1ORF226	0.037	0.0413	0.4858	0.63797	0.757	-6.45	1.2349	none
NXPH4	0.047	0.07	0.4856	0.63811	0.757	-6.45	0.24266	none
SEC22C	0.099	-0.0353	0.4853	0.63826	0.757	-6.45	-0.3897	none
FAM86B1	0.088	0.0898	0.4852	0.63833	0.757	-6.45	0.97119	none
CHSY1	0.117	0.154	0.4852	0.63835	0.757	-6.45	0.67972	none
PRAMEF18	-0.034	-0.0209	-0.485	0.63849	0.757	-6.45	0	none
SRP19	-0.067	-0.1585	-0.484	0.63898	0.758	-6.45	0.4111	none
MIF4GD	-0.042	-0.0845	-0.484	0.63923	0.758	-6.45	1.26255	none
ESPNL	-0.072	-0.0418	-0.484	0.63939	0.758	-6.45	1.1252	none
SLAMF9	0.055	0.0552	0.4833	0.63966	0.758	-6.45	1.21269	none
DCDC2B	-0.037	0.0123	-0.483	0.63982	0.759	-6.45	2.27065	AA-related
AP1AR	0.051	0.0431	0.483	0.63984	0.759	-6.45	0.47482	none
DCK	-0.063	-0.1476	-0.483	0.63986	0.759	-6.45	0.83635	none
PITX3	-0.035	0.0041	-0.483	0.63987	0.759	-6.45	0.22496	none
IGSF5	-0.049	-0.066	-0.483	0.64005	0.759	-6.45	1.02673	none
PROK1	0.034	0.0327	0.4827	0.64006	0.759	-6.45	0	none
SLC38A11	-0.033	-0.0146	-0.483	0.64011	0.759	-6.45	0.7074	none
DLC1	0.033	0.0429	0.4826	0.64013	0.759	-6.45	-0.1027	none
DROSHA	0.118	0.1878	0.4819	0.64061	0.759	-6.45	-0.2146	none
GOLGA8K	0.054	0.0875	0.4816	0.64081	0.759	-6.45	1.16957	none
RALY	-0.053	#####	-0.482	0.64086	0.759	-6.45	1.75401	none
HNRNPD	0.082	0.126	0.4813	0.64101	0.759	-6.45	-0.2198	none
MYO5B	0.046	0.0966	0.4811	0.64117	0.76	-6.45	0.35722	none
MCEE	0.081	-0.0411	0.481	0.64124	0.76	-6.45	0.45522	none
MED19	0.064	0.0494	0.4807	0.64142	0.76	-6.45	-0.2241	none
ZNF812P	0.039	0.029	0.4807	0.64145	0.76	-6.45	-0.4521	none
NEURL1B	0.037	0.0415	0.4805	0.64157	0.76	-6.45	-0.2035	none
MARS2	0.065	0.0139	0.4805	0.6416	0.76	-6.45	1.06531	none
RHOC	-0.045	-0.0951	-0.48	0.64161	0.76	-6.45	0.33261	none
C21ORF91	-0.058	-0.1482	-0.48	0.64172	0.76	-6.45	1.70358	none
OR1J1	-0.039	-0.0261	-0.48	0.64176	0.76	-6.45	1.30508	none
MAJIN	-0.037	-0.0473	-0.48	0.6418	0.76	-6.45	1.44693	none
BX004987	-0.049	-0.0014	-0.48	0.6419	0.76	-6.45	0.87361	none
CTSK	-0.079	0.0055	-0.48	0.64208	0.76	-6.45	0.33973	none
CHCHD10	-0.062	-0.0836	-0.48	0.64219	0.76	-6.45	-0.1857	none
NUDT8	0.102	0.0572	0.4795	0.64226	0.76	-6.45	0.8273	none
TENM3	0.043	0.0523	0.4785	0.64298	0.761	-6.45	-0.7298	none



FGF14	-0.032	-0.0165	-0.477	0.64365	0.762	-6.45	0	none
RAD1	0.056	-0.0481	0.4773	0.64377	0.762	-6.45	0.42861	none
PALM3	0.053	0.0668	0.4772	0.64387	0.762	-6.45	1.18711	none
CCNI	0.044	-0.014	0.4771	0.64393	0.762	-6.45	1.4007	none
ITGA5	0.058	0.1222	0.4771	0.64393	0.762	-6.45	-0.2057	none
OTOP2	0.035	0.0486	0.4768	0.6441	0.762	-6.45	0.04328	none
SLC6A19	-0.035	-0.0077	-0.477	0.64424	0.762	-6.45	0.80117	none
BACH1	-0.105	-0.2168	-0.476	0.64441	0.762	-6.45	0.41033	none
RAP1GAP	-0.064	0.0546	-0.476	0.64441	0.762	-6.45	0.21932	none
MLH3	0.094	0.2097	0.4762	0.64454	0.762	-6.45	0.74288	none
PRKRIP1	0.055	0.1341	0.476	0.64469	0.762	-6.45	0.3876	none
FLRT1	-0.05	-0.0059	-0.476	0.64469	0.762	-6.45	0.97617	none
IL1F10	-0.038	-0.0381	-0.476	0.64472	0.762	-6.45	1.32395	none
NDUFS3	-0.066	-0.123	-0.476	0.64481	0.762	-6.45	0.82702	none
STXBP5	0.095	0.1031	0.4757	0.6449	0.762	-6.45	0.68806	none
SOST	-0.037	-0.0367	-0.476	0.64495	0.762	-6.45	1.37577	none
CDC42SE2	-0.063	-0.188	-0.474	0.64588	0.763	-6.45	0.42385	none
UFC1	0.049	-0.0251	0.474	0.64607	0.764	-6.45	-0.7761	none
CEPT1	0.051	-0.0278	0.4739	0.6461	0.764	-6.45	0.02407	none
HOXA3	-0.091	-0.0295	-0.474	0.6461	0.764	-6.45	1.46401	none
ELMOD2	0.056	-0.0207	0.4732	0.64659	0.764	-6.45	0.46865	none
FXYD3	0.067	0.1191	0.4731	0.64665	0.764	-6.45	1.39231	none
EEF1E1	0.068	-0.0305	0.4731	0.64667	0.764	-6.45	0.00907	none
BIVM-ERC1	-0.035	-0.0469	-0.473	0.64691	0.764	-6.45	0.43137	none
HMSD	-0.043	-0.0458	-0.473	0.64706	0.764	-6.45	1.44682	none
GOLGA8S	0.035	0.0233	0.4723	0.64719	0.765	-6.45	-0.5119	none
EPN3	0.09	0.159	0.4721	0.64734	0.765	-6.45	0.40855	none
CAPZA1	0.049	0.0226	0.4721	0.64737	0.765	-6.45	-0.741	none
MPST	0.072	0.0065	0.472	0.64744	0.765	-6.45	-0.5272	none
GDAP1	-0.099	0.0225	-0.472	0.64758	0.765	-6.45	2.09141	none
DIRC1	-0.05	0.0011	-0.472	0.64762	0.765	-6.45	0.48557	none
CXCR1	0.04	0.0115	0.4715	0.64775	0.765	-6.45	0.31567	none
RAB9B	-0.032	-0.0158	-0.471	0.64782	0.765	-6.45	2.1286	AA-related
GALR3	0.054	0.0073	0.4713	0.64786	0.765	-6.45	-0.7543	none
HIST1H4K	-0.203	-0.1789	-0.471	0.64803	0.765	-6.45	1.03223	none
PMF1	0.052	-0.0076	0.471	0.64808	0.765	-6.45	-0.6457	none
IMP4	-0.052	0.0059	-0.471	0.64823	0.765	-6.45	0.163	none
BIN1	0.068	0.1202	0.4707	0.64834	0.765	-6.45	0.62724	none
SUSD2	0.035	0.0089	0.4706	0.64841	0.765	-6.45	0.59553	none
RIMS3	0.039	0.0361	0.4702	0.64864	0.766	-6.45	0.11144	none

G6PD	0.1	0.1672	0.47	0.64876	0.766	-6.46	0.5921	none
ACTL9	0.039	0.047	0.4699	0.64883	0.766	-6.46	1.84575	none
AMIGO1	0.056	0.0959	0.4698	0.64891	0.766	-6.46	1.34778	none
TMEM158	0.038	0.0287	0.4698	0.64896	0.766	-6.46	0.22101	none
MRPL1	0.045	-0.0426	0.4696	0.64907	0.766	-6.46	0.42586	none
IRX4	-0.041	-0.0305	-0.469	0.64938	0.766	-6.46	1.45344	none
NDUFAF3	-0.072	-0.091	-0.469	0.6494	0.766	-6.46	1.60516	none
SRXN1	-0.088	0.0449	-0.469	0.64953	0.766	-6.46	0.81096	none
SALL3	-0.038	-0.0282	-0.469	0.64961	0.766	-6.46	-0.2811	none
ATG7	0.049	0.0295	0.4686	0.64976	0.766	-6.46	0.18183	none
TNFAIP1	0.085	0.0901	0.4681	0.6501	0.767	-6.46	0.46432	none
PRR5-ARH	0.059	0.0648	0.4676	0.65046	0.767	-6.46	1.49877	none
ANAPC10	0.118	0.0093	0.4676	0.65048	0.767	-6.46	0.48022	none
FAM104B	0.11	-0.0517	0.4675	0.65051	0.767	-6.46	-0.0033	none
CDKN2B	0.086	0.0132	0.4674	0.6506	0.767	-6.46	0.3259	none
WDR18	-0.047	-0.0316	-0.467	0.65061	0.767	-6.46	0.75559	none
CILP2	-0.061	-0.0445	-0.467	0.65067	0.767	-6.46	0.69549	none
ANXA2R	0.086	-0.0512	0.467	0.65083	0.767	-6.46	0.28679	none
SLC4A11	0.069	0.0808	0.4657	0.65175	0.768	-6.46	1.00656	none
WSCD1	-0.069	-0.0124	-0.466	0.65177	0.768	-6.46	0.64923	none
C9ORF135	-0.05	-0.0843	-0.465	0.652	0.768	-6.46	-0.56	none
FAM209B	-0.048	0.0418	-0.465	0.65218	0.769	-6.46	-0.1431	none
OR56B4	0.032	0.0429	0.4649	0.65229	0.769	-6.46	1.09028	none
LRRIQ4	0.033	0.0343	0.4649	0.65231	0.769	-6.46	1.20231	none
CCT2	-0.037	-0.0509	-0.465	0.65237	0.769	-6.46	1.01078	none
LENG1	0.032	0.0431	0.4646	0.6525	0.769	-6.46	0.44734	none
DUSP12	-0.06	-0.0751	-0.465	0.65256	0.769	-6.46	1.41755	none
SPESP1	-0.064	#####	-0.464	0.65262	0.769	-6.46	0.81639	none
ZFP3	0.034	0.0384	0.4642	0.65281	0.769	-6.46	0.01746	none
TMX1	-0.069	-0.1376	-0.464	0.65288	0.769	-6.46	0.98836	none
FOSL1	0.097	0.2073	0.4641	0.65289	0.769	-6.46	0.30969	none
SOHLH2	-0.034	-0.0288	-0.464	0.65305	0.769	-6.46	1.05188	none
HAS3	-0.083	0.0137	-0.464	0.65323	0.769	-6.46	0.51941	none
CT45A5	0.034	0.0132	0.4634	0.65333	0.769	-6.46	-0.2435	none
ABI2	-0.052	-0.0649	-0.462	0.65435	0.77	-6.46	1.37548	none
EMP1	-0.08	0.0138	-0.462	0.65442	0.77	-6.46	0.54481	none
STC1	0.031	0.0567	0.4618	0.65443	0.77	-6.46	0.07478	none
TOR2A	0.046	0.0088	0.4618	0.65445	0.77	-6.46	0.6499	none
SSX2IP	-0.086	0.0045	-0.462	0.65446	0.77	-6.46	1.40942	none
PPP1R16B	0.097	0.2509	0.4613	0.6548	0.771	-6.46	-0.0304	none

ATP8B4	0.105	0.0068	0.4613	0.65481	0.771	-6.46	0.44161	none
LRCH1	0.09	0.1788	0.4612	0.65486	0.771	-6.46	0.62547	none
HK3	0.095	0.0068	0.4608	0.65512	0.771	-6.46	0.36873	none
PAN2	0.077	0.1058	0.4607	0.65521	0.771	-6.46	0.71183	none
UMAD1	0.073	-0.0285	0.4605	0.65533	0.771	-6.46	-0.3821	none
TGM4	-0.09	-0.084	-0.46	0.65541	0.771	-6.46	0.30141	none
CCDC85B	-0.075	-0.0573	-0.46	0.65542	0.771	-6.46	0.62872	none
CEP162	0.06	0.1273	0.4602	0.65559	0.771	-6.46	0.31227	none
KBTBD7	0.035	-0.0198	0.4601	0.65564	0.771	-6.46	0.49808	none
ZNF573	0.17	0.1053	0.46	0.65567	0.771	-6.46	0.71319	none
RBBP4	0.035	-0.0044	0.46	0.65573	0.771	-6.46	0.2251	none
ETS2	-0.057	-0.0404	-0.46	0.65595	0.771	-6.46	1.5625	none
CELA2B	-0.069	-0.0366	-0.46	0.65602	0.771	-6.46	1.17566	none
CCR3	0.084	0.0407	0.4595	0.65607	0.771	-6.46	-0.1981	none
ZNF138	-0.059	-0.0611	-0.459	0.65629	0.772	-6.46	0.45196	none
MITF	-0.053	0.0597	-0.459	0.65636	0.772	-6.46	0.55593	none
TLE6	0.088	0.128	0.4588	0.6565	0.772	-6.46	0.42228	none
ARHGEF17	0.064	0.1849	0.4581	0.65703	0.772	-6.46	0.70834	none
F8A3	-0.055	-0.0444	-0.458	0.65723	0.772	-6.46	0.62078	none
EHBP1L1	0.141	0.2182	0.4578	0.65724	0.772	-6.46	-0.2837	none
SHOX2	-0.05	-0.0507	-0.458	0.65743	0.773	-6.46	1.61016	none
10-Mar	-0.058	0.0052	-0.457	0.65745	0.773	-6.46	-0.0366	none
SCGB2A2	0.049	0.0878	0.4572	0.65762	0.773	-6.46	1.42595	none
MBD2	-0.118	-0.0304	-0.457	0.65776	0.773	-6.46	0.55207	none
ZNF501	0.039	0.0686	0.4569	0.65784	0.773	-6.46	-0.1606	none
ZNF607	-0.036	0.0291	-0.457	0.6579	0.773	-6.46	0.51288	none
NEU4	-0.036	-0.0299	-0.457	0.658	0.773	-6.46	1.35031	none
TMPRSS13	0.046	0.093	0.4566	0.65806	0.773	-6.46	1.26825	none
HEATR5A	0.105	-0.0593	0.4566	0.65809	0.773	-6.46	-0.4998	none
SNX18	-0.062	-0.0131	-0.457	0.65812	0.773	-6.46	0.8941	none
KIF22	0.063	0.1478	0.4562	0.6583	0.773	-6.46	0.66578	none
EPGN	0.04	0.0531	0.4562	0.65832	0.773	-6.46	0.70079	none
C11ORF95	0.055	0.0984	0.4561	0.6584	0.773	-6.46	0.78937	none
POTEB	0.061	0.0322	0.4561	0.65842	0.773	-6.46	-0.1013	none
MPG	-0.073	-0.134	-0.456	0.65842	0.773	-6.46	0.88452	none
NUP58	0.069	0.0868	0.456	0.65844	0.773	-6.46	1.03828	none
PARK7	-0.041	-0.0737	-0.456	0.65847	0.773	-6.46	0.29964	none
PRPH	0.039	0.0614	0.4559	0.65856	0.773	-6.46	-0.2496	none
DUSP9	0.031	0.0285	0.4556	0.65877	0.773	-6.46	0.39406	none
SSX4	-0.037	-0.0215	-0.455	0.65924	0.774	-6.46	-0.1559	none

SSX4B	-0.037	-0.0215	-0.455	0.65924	0.774	-6.46	-0.1559	none
DYNLRB2	-0.063	-0.0751	-0.455	0.65924	0.774	-6.46	1.66517	none
CENPQ	-0.083	-0.0621	-0.455	0.65936	0.774	-6.46	0.62367	none
DUX4	-0.155	-0.1084	-0.454	0.65952	0.774	-6.46	-0.3564	none
GNAZ	-0.04	0.0196	-0.454	0.65965	0.774	-6.46	-0.2792	none
PRSS8	0.067	0.0416	0.4542	0.65972	0.774	-6.46	-0.1887	none
KLHL41	0.076	0.1033	0.4539	0.65991	0.774	-6.46	1.54461	none
COA4	-0.068	-0.1044	-0.454	0.6601	0.774	-6.46	0.82313	none
TOM1	-0.06	0.035	-0.453	0.66038	0.775	-6.46	1.2463	none
CCDC71L	-0.084	-0.0528	-0.453	0.66067	0.775	-6.46	1.10855	none
UBP1	0.067	0.1046	0.4528	0.66068	0.775	-6.46	0.40613	none
NTN4	0.074	0.0745	0.4525	0.66088	0.775	-6.46	-0.5397	none
ZNF319	-0.113	-0.0775	-0.452	0.66092	0.775	-6.46	1.91799	none
HEXIM2	0.066	0.1067	0.4523	0.66106	0.775	-6.46	0.47562	none
UTP15	-0.067	-0.0928	-0.452	0.66123	0.775	-6.46	1.21915	none
SIRPA	0.031	0.0386	0.452	0.66124	0.775	-6.46	0	none
DUSP22	-0.066	-0.0738	-0.452	0.66131	0.775	-6.46	0.84492	none
UNC45B	0.034	0.0257	0.4518	0.6614	0.775	-6.46	-0.9308	none
SCUBE1	0.092	0.0222	0.4517	0.66146	0.775	-6.46	0.07489	none
TRAK2	0.09	0.1217	0.4517	0.66149	0.775	-6.46	1.2887	none
DDX24	-0.046	0.0323	-0.451	0.66167	0.775	-6.46	0.90452	none
ZNF710	0.161	0.2371	0.4509	0.66204	0.776	-6.46	-0.7447	none
KLF10	0.038	0.0428	0.4507	0.66215	0.776	-6.46	0.338	none
CASP5	-0.032	-0.0292	-0.451	0.66221	0.776	-6.46	-0.6574	none
DCAF13	-0.051	-0.0595	-0.451	0.66224	0.776	-6.46	0.03884	none
TMED6	-0.059	0.019	-0.45	0.66236	0.776	-6.46	-0.2099	none
CYTL1	-0.031	-0.0307	-0.45	0.66238	0.776	-6.46	0	none
ANKRD50	0.037	0.0457	0.4498	0.66278	0.776	-6.46	0	none
PIN1	0.055	0.0566	0.4496	0.66289	0.776	-6.46	0.02432	none
LRRTM2	0.034	0.0194	0.4495	0.66303	0.777	-6.47	-0.0544	none
CCDC68	0.055	0.0436	0.4492	0.66318	0.777	-6.47	-0.138	none
TMEM177	-0.081	-0.033	-0.449	0.66322	0.777	-6.47	1.8566	none
SPDYE4	-0.061	-0.0043	-0.449	0.66323	0.777	-6.47	0.59543	none
CARD16	0.064	-0.0314	0.4491	0.66324	0.777	-6.47	-0.7533	none
PDXP	-0.094	-0.0921	-0.449	0.66362	0.777	-6.47	-0.1562	none
ABCB1	0.076	0.0719	0.4484	0.66378	0.777	-6.47	-0.6406	none
IRX3	0.044	0.0611	0.4483	0.6638	0.777	-6.47	1.50692	none
FCER1A	-0.042	-0.0638	-0.448	0.66382	0.777	-6.47	0.79459	none
ANKRD33	-0.03	-0.0182	-0.448	0.66409	0.777	-6.47	1.68091	none
JOSD2	0.063	0.0239	0.4478	0.66415	0.777	-6.47	-0.6842	none

GPBP1	0.096	0.1389	0.4476	0.66432	0.777	-6.47	0.7546	none
PDK4	0.064	-0.0061	0.4474	0.66445	0.777	-6.47	1.25775	none
RNF139	0.058	-0.0425	0.4473	0.66452	0.777	-6.47	0.70896	none
SOX4	0.083	0.056	0.4473	0.66454	0.777	-6.47	-0.5426	none
XRCC1	0.095	0.2096	0.4472	0.66457	0.777	-6.47	0.27306	none
B4GALT3	-0.067	-0.096	-0.447	0.66463	0.777	-6.47	0.87243	none
EMILIN1	-0.034	-0.0207	-0.447	0.66463	0.777	-6.47	1.02614	none
EYA4	0.047	0.0472	0.4469	0.66477	0.778	-6.47	0.75923	none
TSPAN8	-0.09	-0.0032	-0.447	0.66495	0.778	-6.47	0.2374	none
SIK1	0.116	0.1532	0.4466	0.66498	0.778	-6.47	-0.4537	none
MTF2	-0.047	-0.0602	-0.447	0.66507	0.778	-6.47	0.25401	none
ID2	-0.087	-0.14	-0.446	0.6651	0.778	-6.47	0.47915	none
PRSS1	-0.032	-0.03	-0.446	0.66513	0.778	-6.47	1.54695	none
IGIP	0.038	0.022	0.4463	0.66525	0.778	-6.47	-0.3989	none
SFTPA2	-0.031	-0.0063	-0.446	0.66532	0.778	-6.47	1.6208	none
CS	0.048	0.0165	0.446	0.66544	0.778	-6.47	0.35837	none
SPANXA2	-0.106	-0.1059	-0.446	0.66549	0.778	-6.47	1.55316	none
RAB4B-EG	-0.075	-0.0358	-0.446	0.66564	0.778	-6.47	0.82689	none
NAP1L3	0.071	0.0853	0.4453	0.66595	0.778	-6.47	0.22661	none
C11ORF74	-0.072	-0.1677	-0.445	0.66607	0.778	-6.47	0.35944	none
FBXW5	0.046	0.0703	0.4445	0.66651	0.779	-6.47	0.58486	none
POU4F1	0.031	0.0334	0.4444	0.66653	0.779	-6.47	0.5276	none
RITA1	-0.047	-0.0508	-0.444	0.66661	0.779	-6.47	1.77576	none
TCF21	0.033	0.0422	0.4442	0.66669	0.779	-6.47	-0.582	none
NOX1	-0.07	-0.0571	-0.444	0.66716	0.779	-6.47	0.64185	none
TSSK4	0.06	0.0688	0.4435	0.6672	0.779	-6.47	-0.551	none
C4ORF46	0.081	-0.0137	0.4424	0.66791	0.78	-6.47	0.97108	none
SSNA1	0.063	0.0496	0.4424	0.66791	0.78	-6.47	-0.2314	none
MAP3K4	0.119	0.1743	0.4424	0.66797	0.78	-6.47	0.9682	none
RGPD3	-0.03	-0.0428	-0.442	0.66801	0.78	-6.47	1.08499	none
SAMD14	-0.039	-0.0296	-0.442	0.66814	0.78	-6.47	0.56241	none
PROZ	-0.066	-0.0905	-0.442	0.66822	0.78	-6.47	0.71417	none
CLPTM1L	-0.077	-0.0772	-0.442	0.66831	0.78	-6.47	1.35537	none
SYNCRIP	-0.077	0.0316	-0.442	0.66837	0.78	-6.47	1.49926	none
SHC4	-0.093	0.0494	-0.442	0.66841	0.78	-6.47	-0.2596	none
KDM8	0.089	0.1795	0.4416	0.66849	0.78	-6.47	1.80637	none
MCIDAS	0.038	0.047	0.4415	0.66855	0.78	-6.47	-0.743	none
JDP2	0.04	0.0591	0.4413	0.66873	0.781	-6.47	0.24022	none
ANKRD17	0.126	0.3142	0.441	0.66893	0.781	-6.47	0.70322	none
SLC35D2	-0.052	-0.1529	-0.441	0.66894	0.781	-6.47	-0.2327	none

NEFL	0.034	0.0415	0.441	0.66894	0.781	-6.47	-0.6001	none
CELF4	0.12	0.0949	0.4408	0.66906	0.781	-6.47	0.96521	none
AMZ1	-0.039	-0.0118	-0.441	0.6691	0.781	-6.47	0.5433	none
MTERF1	0.084	0.1122	0.4406	0.66918	0.781	-6.47	-0.0822	none
MID1	0.037	0.0154	0.4405	0.66926	0.781	-6.47	0.00492	none
INSM1	0.034	0.0339	0.4404	0.66936	0.781	-6.47	1.26562	none
BPIFA3	0.031	0.0507	0.44	0.66965	0.781	-6.47	0.09134	none
USH1G	-0.033	-0.0163	-0.44	0.66973	0.781	-6.47	0.61422	none
UGT3A1	-0.053	-0.0502	-0.44	0.6698	0.781	-6.47	0.60896	none
PI4K2B	-0.065	-0.058	-0.439	0.67008	0.781	-6.47	1.18604	none
PGAP2	-0.041	-0.0657	-0.439	0.67016	0.781	-6.47	1.46604	none
SCAMP2	-0.051	-0.0956	-0.439	0.67017	0.781	-6.47	0.52522	none
IL17A	-0.111	-0.1392	-0.439	0.67018	0.781	-6.47	0.78352	none
HAPLN3	-0.051	-0.0781	-0.439	0.6702	0.781	-6.47	0.49396	none
LMO1	-0.055	-0.0627	-0.439	0.67038	0.782	-6.47	0.48313	none
GLTPD2	0.039	0.0213	0.4388	0.67043	0.782	-6.47	0.52391	none
SLCO1B7	0.032	0.0429	0.4385	0.67065	0.782	-6.47	-0.7347	none
C12ORF73	0.084	-0.0096	0.4385	0.67069	0.782	-6.47	-0.2913	none
SCN4A	0.037	0.0455	0.4384	0.67075	0.782	-6.47	0.89054	none
ADCY6	0.076	0.0077	0.4381	0.67096	0.782	-6.47	-0.046	none
KLHL14	-0.035	-0.0343	-0.438	0.67114	0.782	-6.47	1.74629	none
LRRC6	-0.052	-0.0246	-0.438	0.67116	0.782	-6.47	1.87798	none
HES1	-0.048	-0.0468	-0.438	0.67124	0.782	-6.47	0.92111	none
SDHAF3	0.119	-0.0656	0.4375	0.67136	0.782	-6.47	-0.2255	none
RBM15B	0.081	0.1739	0.4373	0.67151	0.782	-6.47	0.28439	none
NINJ1	-0.05	-0.0043	-0.437	0.67161	0.782	-6.47	1.5292	none
FEN1	-0.058	0.0456	-0.437	0.67169	0.783	-6.47	1.24017	none
ZFAND2A	0.058	0.0551	0.4369	0.67178	0.783	-6.47	0.85003	none
DTX1	-0.089	#####	-0.437	0.67193	0.783	-6.47	0.21325	none
NUTM2B	-0.054	-0.0083	-0.437	0.67203	0.783	-6.47	0.9022	none
CMTM2	0.048	0.0532	0.4362	0.67225	0.783	-6.47	1.59291	none
RDH5	-0.175	-0.0263	-0.436	0.6723	0.783	-6.47	0.74276	none
SUSD1	0.091	0.1198	0.4361	0.67236	0.783	-6.47	-0.1491	none
GNGT2	0.093	-0.0256	0.4361	0.67237	0.783	-6.47	-0.7799	none
TEKT1	-0.031	-0.0312	-0.436	0.67247	0.783	-6.47	1.0022	none
CDADC1	-0.052	-0.0077	-0.436	0.67248	0.783	-6.47	0.94991	none
LILRB4	0.088	0.0858	0.4355	0.67279	0.783	-6.47	1.41387	none
NUP93	-0.037	-0.01	-0.435	0.67279	0.783	-6.47	0.34791	none
TKT	0.082	0.1453	0.4354	0.67284	0.783	-6.47	1.43867	none
GPATCH3	0.037	0.1037	0.4353	0.67292	0.783	-6.47	1.45837	none

MBD3L3	0.034	0.0512	0.4352	0.673	0.783	-6.47	1.45851	none
UCHL5	-0.066	-0.0398	-0.435	0.67304	0.783	-6.47	1.16449	none
PILRA	-0.038	0.0126	-0.435	0.67307	0.783	-6.47	0.47402	none
RXRB	-0.041	-0.0084	-0.435	0.6731	0.783	-6.47	0.60746	none
CDK5RAP2	0.11	0.1994	0.4346	0.67344	0.784	-6.47	0.01384	none
LCP1	0.086	0.1479	0.4344	0.67356	0.784	-6.47	0.965	none
TTC23L	-0.044	-0.0367	-0.434	0.67366	0.784	-6.47	0.80831	none
CGB2	0.05	0.0882	0.4341	0.67379	0.784	-6.47	-0.2302	none
SLC25A48	-0.035	-0.0224	-0.434	0.67379	0.784	-6.47	0.00775	none
ARHGAP40	0.032	0.0422	0.434	0.67381	0.784	-6.47	1.58698	none
OR2C1	-0.036	-0.0358	-0.434	0.67382	0.784	-6.47	0.89247	none
HDAC3	0.049	-0.0074	0.4336	0.67413	0.784	-6.47	0.40325	none
PBXIP1	0.079	0.1146	0.4335	0.67417	0.784	-6.47	-0.149	none
CYB5R2	-0.053	-0.0795	-0.433	0.67418	0.784	-6.47	0.11044	none
EMILIN2	0.061	0.0177	0.4334	0.67425	0.784	-6.47	-0.597	none
NEFM	0.047	0.114	0.433	0.67453	0.784	-6.47	0.24466	none
TBC1D28	0.072	0.0945	0.4328	0.67463	0.784	-6.47	-0.1449	none
SLC16A9	0.068	0.1269	0.4328	0.67466	0.784	-6.47	0.55041	none
CDT1	0.054	0.0726	0.432	0.67524	0.785	-6.47	-0.0525	none
STK17A	0.043	-0.0119	0.4317	0.67541	0.785	-6.47	0.17651	none
COL4A4	-0.04	-0.048	-0.431	0.67558	0.785	-6.47	0.42003	none
PDE6C	-0.053	-0.0076	-0.431	0.67563	0.785	-6.47	0.78209	none
YOD1	0.037	0.0246	0.4314	0.67566	0.785	-6.47	0.42338	none
CRABP2	-0.088	-0.1269	-0.431	0.67574	0.785	-6.47	0.65373	none
APTX	-0.044	-0.0451	-0.431	0.67582	0.785	-6.47	0.40792	none
PGLYRP2	-0.049	0.0013	-0.431	0.67585	0.785	-6.47	-0.1431	none
COPS7A	0.04	0.0129	0.431	0.6759	0.785	-6.47	0.41367	none
UBE2U	-0.03	-0.0302	-0.431	0.67599	0.785	-6.47	1.91174	none
SPATA2	-0.048	-0.0046	-0.431	0.67608	0.785	-6.47	0.9401	none
ZFP36L1	0.063	0.1368	0.4307	0.67615	0.785	-6.47	-0.2685	none
YIF1B	0.058	0.0064	0.4305	0.67629	0.785	-6.47	0.29417	none
APBB1	0.073	0.0852	0.4303	0.67639	0.786	-6.47	0.62144	none
NUP35	0.066	-0.0813	0.4302	0.67646	0.786	-6.47	0.09136	none
GJA8	0.038	0.0384	0.43	0.67663	0.786	-6.47	0.90101	none
EDNRA	0.033	0.044	0.43	0.67666	0.786	-6.47	1.36389	none
DPAGT1	0.039	-0.0035	0.4296	0.67692	0.786	-6.47	0.73926	none
C4ORF17	-0.03	-0.0128	-0.429	0.67699	0.786	-6.47	0	none
MAGEA8	0.035	0.02	0.4292	0.67718	0.786	-6.47	-0.3871	none
CPA1	0.036	0.046	0.429	0.67736	0.786	-6.47	1.3263	none
EN2	0.03	0.027	0.4285	0.67768	0.787	-6.47	0	none

EGFL6	-0.039	-0.0108	-0.428	0.67789	0.787	-6.47	1.78453	none
TFAP2D	0.035	0.035	0.4282	0.67792	0.787	-6.47	1.31366	none
DGKI	0.06	0.0628	0.428	0.67802	0.787	-6.48	-0.4302	none
GRB10	-0.076	0.0371	-0.428	0.67828	0.787	-6.48	-0.0407	none
PZP	-0.046	0.0079	-0.427	0.67857	0.787	-6.48	1.75348	none
NTM	-0.06	0.0213	-0.427	0.67872	0.787	-6.48	0.5238	none
FBXO31	0.125	0.2497	0.4268	0.6789	0.788	-6.48	-0.598	none
ATAT1	-0.053	-0.0293	-0.427	0.67906	0.788	-6.48	-0.3271	none
ART1	0.036	0.0185	0.4263	0.67923	0.788	-6.48	-0.7668	none
MAPRE2	-0.078	0.0109	-0.426	0.67925	0.788	-6.48	1.05072	none
TNFAIP8	-0.032	-0.0844	-0.426	0.67929	0.788	-6.48	0.7452	none
SPTSSA	0.058	-0.0889	0.4261	0.67936	0.788	-6.48	0.08651	none
EIF3E	0.048	-0.0478	0.426	0.67942	0.788	-6.48	-0.3361	none
ERICH6B	0.127	0.2036	0.4254	0.67989	0.788	-6.48	0.71721	none
PPT2	0.106	0.0822	0.4252	0.67999	0.788	-6.48	1.23322	none
HTRA3	-0.029	-0.0104	-0.425	0.68008	0.788	-6.48	0.07215	none
EIF4E2	-0.062	-0.0867	-0.425	0.68008	0.788	-6.48	0.16722	none
RGL1	0.036	0.0537	0.4249	0.6802	0.789	-6.48	1.50673	none
MRPL38	0.05	0.0657	0.4248	0.68026	0.789	-6.48	0.39828	none
PTGFRN	0.065	0.1253	0.4248	0.68027	0.789	-6.48	-0.6356	none
SPATA4	0.042	0.0271	0.4248	0.68032	0.789	-6.48	-0.2038	none
TBC1D1	0.058	0.0608	0.4243	0.68062	0.789	-6.48	-0.6722	none
AQP1	0.044	0.0327	0.4243	0.68066	0.789	-6.48	0.22162	none
ZNF467	0.037	0.0319	0.4242	0.68072	0.789	-6.48	0.4356	none
CAMK2N2	-0.03	-0.0261	-0.424	0.68111	0.789	-6.48	0.36909	none
LHX4	-0.036	-0.0252	-0.423	0.68121	0.789	-6.48	1.03129	none
TMEM120	-0.092	-0.1042	-0.423	0.68138	0.789	-6.48	1.27627	none
JCHAIN	-0.13	-0.1054	-0.423	0.68138	0.789	-6.48	0.92051	none
RCN2	0.058	0.0467	0.423	0.68155	0.79	-6.48	1.33944	none
HSD17B3	-0.049	-0.0152	-0.423	0.68177	0.79	-6.48	1.64654	none
TM2D2	-0.071	-0.132	-0.423	0.68191	0.79	-6.48	1.03389	none
SGPP1	-0.057	-0.0973	-0.422	0.68195	0.79	-6.48	1.06754	none
SPATA24	-0.089	-0.0209	-0.422	0.68209	0.79	-6.48	0.92366	none
AURKB	0.04	-0.0268	0.4222	0.68213	0.79	-6.48	0.59081	none
ESF1	0.117	0.2342	0.422	0.68224	0.79	-6.48	1.27929	none
STMN4	-0.029	-0.0269	-0.422	0.68224	0.79	-6.48	-0.4587	none
SCOC	-0.06	-0.1591	-0.421	0.68271	0.79	-6.48	0.11771	none
CRIP1	-0.075	-0.1333	-0.421	0.68278	0.79	-6.48	0.42272	none
GATA2	-0.066	-0.0349	-0.421	0.68289	0.79	-6.48	0.77675	none
MPPED2	-0.043	-0.036	-0.421	0.68292	0.79	-6.48	-0.0236	none



OIP5	-0.059	-0.1016	-0.421	0.68294	0.79	-6.48	0.33961	none
JUP	-0.054	-0.0467	-0.421	0.68312	0.791	-6.48	-0.7193	none
ERG	0.03	0.0541	0.4206	0.68326	0.791	-6.48	-0.8365	none
TERF2IP	0.035	0.0267	0.4198	0.68382	0.791	-6.48	0.68608	none
CISH	-0.044	-0.0566	-0.42	0.68387	0.791	-6.48	1.73974	none
KDM7A	0.083	0.1101	0.4197	0.68387	0.791	-6.48	-0.1284	none
PLSCR2	0.048	-0.0039	0.4196	0.68394	0.791	-6.48	0.2184	none
SYCE1	0.045	0.0919	0.4194	0.68407	0.791	-6.48	0.25377	none
XRN2	0.051	0.0658	0.4194	0.68412	0.791	-6.48	1.41227	none
PFKL	0.045	0.0755	0.4193	0.68418	0.791	-6.48	1.1734	none
IL24	-0.083	-0.1047	-0.419	0.68432	0.792	-6.48	-0.2377	none
OPLAH	-0.067	-0.0784	-0.419	0.68439	0.792	-6.48	1.0576	none
ENGASE	0.073	0.0736	0.4189	0.68443	0.792	-6.48	-0.3679	none
CSNK2B	0.085	-0.0143	0.4189	0.68447	0.792	-6.48	-0.0178	none
LNP1	-0.043	-0.0187	-0.419	0.68455	0.792	-6.48	1.74229	none
UBE2D2	-0.05	-0.112	-0.419	0.68467	0.792	-6.48	1.3361	none
IP6K3	0.029	0.036	0.4186	0.68467	0.792	-6.48	-0.8455	none
JADE3	-0.055	0.0052	-0.419	0.68473	0.792	-6.48	0.86628	none
TAS1R1	-0.051	-0.0122	-0.418	0.68477	0.792	-6.48	1.24935	none
THEM6	-0.042	-0.0624	-0.418	0.68508	0.792	-6.48	1.77596	none
DEUP1	0.03	0.0267	0.4179	0.68517	0.792	-6.48	-0.8842	none
ARPC5L	0.033	0.045	0.4179	0.68517	0.792	-6.48	0.60716	none
AWAT1	-0.068	-0.0169	-0.418	0.68519	0.792	-6.48	1.7235	none
PPP3R1	0.071	-0.0278	0.4178	0.68523	0.792	-6.48	1.26832	none
GLE1	0.086	0.1683	0.4178	0.68526	0.792	-6.48	0.97911	none
FNDC10	0.036	-0.0245	0.4177	0.68533	0.792	-6.48	0.35625	none
CIB3	-0.05	-0.0022	-0.417	0.68548	0.792	-6.48	1.0129	none
SLC22A15	0.037	0.0471	0.4173	0.68557	0.792	-6.48	1.27404	none
PDE4B	-0.072	-0.1417	-0.417	0.68567	0.792	-6.48	-0.6558	none
KRTAP29-1	0.028	0.0226	0.4172	0.68567	0.792	-6.48	0	none
SESN2	-0.049	#####	-0.417	0.68603	0.792	-6.48	1.40997	none
LIM2	-0.03	-0.0264	-0.417	0.68612	0.792	-6.48	-0.1497	none
SIX3	0.036	0.0041	0.4165	0.68613	0.792	-6.48	-0.0156	none
PALM2-AK	-0.032	-0.0149	-0.416	0.68617	0.792	-6.48	1.15957	none
RDX	0.086	0.1796	0.4162	0.68639	0.793	-6.48	0.53195	none
ICOS	-0.052	-0.0445	-0.416	0.68641	0.793	-6.48	0.72846	none
SFTPD	0.039	0.0747	0.416	0.68652	0.793	-6.48	0.33059	none
PBX4	-0.069	0.0099	-0.416	0.68662	0.793	-6.48	0.67073	none
PP2D1	0.032	0.0446	0.4156	0.68676	0.793	-6.48	0.83987	none
HPGDS	-0.042	0.0239	-0.415	0.68686	0.793	-6.48	1.80598	none

LDHAL6B	-0.035	-0.0153	-0.415	0.68711	0.793	-6.48	-0.3836	none
PKMYT1	0.04	0.05	0.415	0.6872	0.793	-6.48	0.69968	none
ZNF730	0.054	0.0705	0.4149	0.68725	0.793	-6.48	1.14122	none
REEP4	-0.046	-0.071	-0.415	0.68729	0.793	-6.48	1.51923	none
PPEF1	0.067	-0.0074	0.4149	0.68731	0.793	-6.48	-1.0305	none
CIDEB	0.112	0.1137	0.4147	0.68741	0.793	-6.48	0.19741	none
TCP10L	0.057	0.0237	0.4145	0.68754	0.793	-6.48	0.96274	none
TNFSF8	-0.076	-0.0327	-0.414	0.68762	0.793	-6.48	-0.1231	none
LAMP2	-0.063	-0.1841	-0.414	0.68764	0.793	-6.48	0.52247	none
SLAIN1	0.048	-0.0396	0.4144	0.68765	0.793	-6.48	0.78691	none
B3GAT1	0.04	0.0181	0.4143	0.68772	0.793	-6.48	0.7154	none
NR2F1	0.028	0.037	0.414	0.68796	0.794	-6.48	-0.7324	none
KCNJ10	-0.029	-0.0177	-0.414	0.68824	0.794	-6.48	0.79355	none
H2AFB1	0.058	0.0385	0.4135	0.68829	0.794	-6.48	1.29734	none
LMBR1	0.054	-0.052	0.4129	0.68866	0.794	-6.48	0.35771	none
MYLK2	0.029	0.0293	0.4127	0.68884	0.794	-6.48	-0.2847	none
C1ORF87	-0.048	-0.0476	-0.412	0.68906	0.795	-6.48	-0.1147	none
MMS19	-0.029	0.0093	-0.412	0.68948	0.795	-6.48	0.06136	none
TXNL4A	-0.056	-0.0442	-0.411	0.68996	0.795	-6.48	0.29303	none
CTTN	0.092	0.1747	0.4107	0.69024	0.796	-6.48	-0.5628	none
DHFR	-0.063	-0.0277	-0.41	0.69058	0.796	-6.48	0.366	none
SLC16A14	-0.05	0.0223	-0.41	0.69063	0.796	-6.48	1.53994	none
RAPH1	0.058	0.0162	0.4096	0.69102	0.796	-6.48	0.04364	none
PXK	-0.051	0.0377	-0.41	0.69103	0.796	-6.48	1.23405	none
PAK1IP1	0.055	0.1024	0.409	0.69143	0.797	-6.48	0.55589	none
ATRN	0.064	0.154	0.4088	0.6916	0.797	-6.48	0.36039	none
ASAP2	0.036	0.05	0.4087	0.69171	0.797	-6.48	0.8419	none
NHEJ1	-0.037	-0.1271	-0.409	0.69173	0.797	-6.48	0.90559	none
SLC22A2	-0.041	-0.0677	-0.409	0.69178	0.797	-6.48	0.47409	none
CR1L	0.03	0.0288	0.4085	0.69185	0.797	-6.48	-0.035	none
HIST2H2A	-0.285	-0.1525	-0.408	0.69223	0.797	-6.48	0.60113	none
TCHHL1	-0.027	-0.0127	-0.407	0.69263	0.798	-6.48	0	none
HOXA4	0.029	0.0472	0.4073	0.69265	0.798	-6.48	0.35721	none
RRAGD	-0.064	-0.0807	-0.407	0.69312	0.798	-6.48	0.13312	none
CMTM3	-0.064	-0.0319	-0.406	0.69327	0.798	-6.48	1.20798	none
NUPR2	-0.059	-0.1319	-0.406	0.6933	0.798	-6.48	1.44797	none
SNRNP70	0.078	0.1932	0.4062	0.69349	0.798	-6.48	0.5864	none
GNG2	-0.048	-0.1223	-0.406	0.6935	0.798	-6.48	1.374	none
KLRG1	-0.067	-0.1294	-0.406	0.69356	0.799	-6.48	0.21487	none
TMED7	0.048	-0.0059	0.406	0.69361	0.799	-6.48	1.53638	none

KCNV1	0.033	0.0439	0.4057	0.6938	0.799	-6.48	0.27251	none
TSNAX-DIS	0.033	0.0371	0.4056	0.69391	0.799	-6.48	1.34812	none
TNXB	0.049	0.0454	0.4054	0.69404	0.799	-6.49	1.13566	none
TRMT6	-0.064	0.0063	-0.405	0.69405	0.799	-6.49	0.78209	none
MRPS18C	0.062	-0.0464	0.4054	0.69405	0.799	-6.49	-0.4341	none
TEX15	0.146	0.0961	0.4051	0.69423	0.799	-6.49	0.84519	none
GRN	-0.046	-0.0141	-0.405	0.69425	0.799	-6.49	0.2719	none
MAPK1	0.046	-0.0068	0.405	0.69428	0.799	-6.49	-0.4544	none
PPT2-EGFL	-0.061	0.0131	-0.405	0.69437	0.799	-6.49	1.89156	none
TRPV6	-0.05	0.0213	-0.405	0.69439	0.799	-6.49	1.39011	none
ACAA1	0.042	0.0106	0.4047	0.69455	0.799	-6.49	0.34932	none
C2CD2	0.069	0.0361	0.4046	0.69458	0.799	-6.49	0.06263	none
SKP2	0.049	-0.0146	0.4044	0.69472	0.799	-6.49	-0.5641	none
VARS	0.063	0.1112	0.4042	0.69488	0.799	-6.49	-0.0169	none
CTPS2	0.061	0.1053	0.404	0.695	0.799	-6.49	0.79612	none
SLC22A18	-0.048	-0.0582	-0.404	0.69518	0.799	-6.49	-0.4378	none
LMF1	-0.043	-0.0669	-0.403	0.69538	0.8	-6.49	0.09747	none
CAMK1G	-0.06	-0.0915	-0.403	0.69553	0.8	-6.49	0.36593	none
NR2E3	0.047	0.0816	0.4026	0.69602	0.8	-6.49	1.05982	none
RRP8	-0.04	0.0095	-0.403	0.69606	0.8	-6.49	1.26422	none
GORASP2	0.04	0.0684	0.4021	0.69637	0.801	-6.49	0.37312	none
TMEM178	-0.052	-0.0122	-0.402	0.69652	0.801	-6.49	1.05754	none
PTER	-0.04	-0.0487	-0.402	0.69663	0.801	-6.49	0.81549	none
GPR68	-0.059	-0.0373	-0.402	0.69677	0.801	-6.49	0.87387	none
TTL12	0.041	0.0995	0.4014	0.69688	0.801	-6.49	0.59341	none
MYRIP	0.037	0.0526	0.4014	0.69689	0.801	-6.49	0.27725	none
RPL36AL	-0.048	-0.1055	-0.401	0.69697	0.801	-6.49	-0.4032	none
SH3BGR	-0.055	-0.0808	-0.401	0.69707	0.801	-6.49	1.31806	none
MAGED2	-0.046	-0.029	-0.401	0.69748	0.801	-6.49	0.95495	none
FRMD3	0.038	0.074	0.4005	0.6975	0.801	-6.49	1.16102	none
SSSCA1	-0.052	-0.0506	-0.4	0.69796	0.802	-6.49	0.02942	none
MAGEL2	-0.028	-0.0095	-0.4	0.69805	0.802	-6.49	0	none
AGFG1	0.077	0.045	0.3997	0.69809	0.802	-6.49	-0.2482	none
WNT3	0.045	0.0689	0.3995	0.69819	0.802	-6.49	-0.3454	none
PLTP	-0.05	-0.0186	-0.399	0.69831	0.802	-6.49	0.87796	none
CFD	0.038	0.0084	0.3992	0.69846	0.802	-6.49	-0.4642	none
ALKBH2	0.04	-0.0256	0.3991	0.69848	0.802	-6.49	0.39987	none
IL2RA	0.072	0.1911	0.399	0.69858	0.802	-6.49	0.43675	none
FSCN1	0.088	0.052	0.399	0.69859	0.802	-6.49	1.04187	none
C3ORF38	-0.06	-0.0904	-0.399	0.69869	0.802	-6.49	0.64192	none

TCEAL7	0.03	0.0274	0.3988	0.69872	0.802	-6.49	0.53922	none
PMP22	-0.071	-0.0823	-0.399	0.69882	0.802	-6.49	-0.0268	none
IGSF8	0.044	0.0014	0.3986	0.69889	0.802	-6.49	0.65027	none
NPM1	-0.042	0.0111	-0.398	0.69893	0.802	-6.49	0.00287	none
PPP1R3A	-0.032	-0.0316	-0.398	0.69911	0.802	-6.49	0.99777	none
CCM2L	0.029	0.0342	0.3968	0.70018	0.803	-6.49	0	none
GIMAP7	-0.049	-0.1091	-0.397	0.7002	0.803	-6.49	0.51757	none
GFPT2	0.096	0.1276	0.3967	0.70021	0.803	-6.49	0.30284	none
CXCL11	0.032	0.0334	0.3967	0.70023	0.803	-6.49	1.46056	none
SLC38A5	-0.058	-0.0702	-0.397	0.70024	0.803	-6.49	0.09993	none
HYI	0.114	-0.0245	0.3965	0.70039	0.804	-6.49	0.23552	none
SLC35A1	-0.034	-0.1028	-0.396	0.70056	0.804	-6.49	1.05002	none
RNF183	0.044	0.0276	0.3958	0.70085	0.804	-6.49	1.44643	none
STK32B	0.03	0.0356	0.3957	0.70093	0.804	-6.49	1.92528	none
SH3RF3	-0.028	0.0124	-0.395	0.70114	0.804	-6.49	0.49373	none
MEP1B	0.036	0.0709	0.3953	0.70119	0.804	-6.49	0.6798	none
CTU1	0.06	0.0349	0.3952	0.70129	0.804	-6.49	0.22503	none
HCLS1	0.048	0.0689	0.395	0.70144	0.804	-6.49	0.39683	none
TMEM176	0.03	0.0207	0.3949	0.70149	0.804	-6.49	0.7208	none
PREX1	0.064	0.1534	0.3949	0.70151	0.804	-6.49	0.56206	none
MCM2	0.054	0.1341	0.3941	0.70204	0.805	-6.49	0.99155	none
GNAT2	0.04	0.0434	0.3941	0.70209	0.805	-6.49	0.87947	none
PPP2R1A	0.04	0.0657	0.394	0.70216	0.805	-6.49	0.97666	none
SLC51B	0.032	0.0295	0.3938	0.70226	0.805	-6.49	1.17546	none
RTEL1-TNF	0.035	0.08	0.3927	0.70306	0.806	-6.49	0.78577	none
FAM189A	0.027	0.0429	0.3926	0.70311	0.806	-6.49	0.30738	none
NR112	0.04	0.0088	0.3925	0.70319	0.806	-6.49	0.12553	none
AC009977	0.042	0.0328	0.3924	0.70326	0.806	-6.49	-0.7269	none
CPA3	-0.044	-0.0638	-0.392	0.70369	0.806	-6.49	0.52869	none
CENPU	0.082	0.1331	0.3917	0.70376	0.806	-6.49	0.70724	none
ZBTB18	0.035	0.0601	0.3915	0.70394	0.807	-6.49	0.01715	none
PYDC1	-0.091	-0.1174	-0.391	0.70421	0.807	-6.49	1.76417	none
TRIM9	-0.03	-0.0357	-0.391	0.70432	0.807	-6.49	1.71273	none
BBS10	-0.031	-0.0656	-0.391	0.7046	0.807	-6.49	0.71084	none
C17ORF64	-0.033	-0.0217	-0.391	0.70462	0.807	-6.49	-0.6339	none
C17ORF97	0.041	0.0598	0.3901	0.70493	0.807	-6.49	0.56801	none
NROB2	0.033	0.0431	0.39	0.70502	0.807	-6.49	-0.0449	none
ZNF664	0.033	-0.0362	0.39	0.70502	0.807	-6.49	-0.2656	none
HPX	-0.123	-0.0265	-0.39	0.70511	0.807	-6.49	0.15941	none
CBR4	0.068	-0.0363	0.3894	0.70547	0.808	-6.49	-0.1687	none

CFAP45	0.05	0.0766	0.3892	0.70556	0.808	-6.49	0.33533	none
AZI2	0.071	0.0914	0.3891	0.70564	0.808	-6.49	1.6736	none
CALU	-0.058	-0.0458	-0.389	0.70585	0.808	-6.49	1.47369	none
PRMT3	-0.04	-0.0523	-0.389	0.70594	0.808	-6.49	1.87514	none
SLC16A7	0.059	-0.0203	0.3885	0.70607	0.808	-6.49	1.0326	none
RSPH6A	0.039	0.0066	0.3883	0.70625	0.808	-6.49	-1.1285	none
CCDC58	0.046	0.0131	0.3882	0.70632	0.808	-6.49	0.30574	none
YIPF4	0.074	-0.1003	0.388	0.70645	0.808	-6.49	0.44606	none
INSIG2	0.071	-0.0061	0.3879	0.70648	0.808	-6.49	0.29686	none
USP17L11	-0.09	-0.0939	-0.388	0.70651	0.808	-6.49	0.77146	none
TEX22	0.081	0.0586	0.3877	0.70663	0.808	-6.49	-0.6422	none
RD3L	0.031	0.0305	0.3877	0.70667	0.808	-6.49	-0.5388	none
CCNI2	-0.088	-0.0205	-0.388	0.70677	0.809	-6.49	0.41891	none
BAIAP2	0.073	0.0961	0.3871	0.70705	0.809	-6.49	0.63334	none
TIMM8A	0.059	0.0303	0.3869	0.70719	0.809	-6.49	-0.3698	none
ACER3	0.06	0.0023	0.3867	0.70733	0.809	-6.49	-0.234	none
CHRNA9	0.035	0.0275	0.3864	0.70756	0.809	-6.49	0.74028	none
PSMC4	0.032	0.0123	0.3864	0.70759	0.809	-6.49	0.80341	none
MMP10	0.036	0.0249	0.386	0.7079	0.809	-6.49	1.17321	none
CRLF1	-0.065	0.0243	-0.386	0.70794	0.809	-6.49	-0.1087	none
ALAS1	-0.033	0.0099	-0.386	0.70801	0.81	-6.49	0.65225	none
CLEC2B	-0.06	-0.1985	-0.386	0.7081	0.81	-6.49	0.83977	none
FGF9	0.054	0.0143	0.385	0.70857	0.81	-6.49	0.31382	none
PCGF2	-0.026	-0.0135	-0.385	0.7086	0.81	-6.49	1.51348	none
TRIM39	0.055	0.0929	0.3849	0.70863	0.81	-6.49	0.54615	none
MAP6	0.026	0.0271	0.3844	0.70899	0.81	-6.49	-0.6441	none
CLEC11A	0.059	0.0314	0.3844	0.70899	0.81	-6.49	1.21284	none
VPS26A	-0.064	-0.0762	-0.384	0.70904	0.81	-6.49	1.35033	none
KIFC1	-0.052	0.0312	-0.384	0.70904	0.81	-6.49	1.50888	none
EZH2	0.063	0.1454	0.3843	0.70908	0.81	-6.49	0.56726	none
CTAG2	-0.032	-0.0385	-0.384	0.70927	0.81	-6.49	1.25984	none
KIRREL2	-0.028	0.0042	-0.384	0.7093	0.81	-6.49	0.18413	none
BPIFA1	-0.04	-0.0404	-0.384	0.70934	0.81	-6.49	0.89019	none
SLC2A1	-0.045	-0.049	-0.384	0.70951	0.81	-6.49	1.0253	none
PLEKHO1	-0.084	-0.0324	-0.384	0.70954	0.81	-6.49	0.52638	none
CHP2	0.03	0.082	0.3836	0.70956	0.81	-6.49	1.98387	none
HBEGF	-0.055	0.0286	-0.384	0.70963	0.81	-6.49	1.47719	none
CFP	0.044	0.0471	0.3833	0.70979	0.811	-6.49	1.42735	none
MMRN1	-0.027	-0.0263	-0.383	0.70988	0.811	-6.49	0.12253	none
ALG2	-0.06	-0.0651	-0.383	0.70988	0.811	-6.49	1.35542	none

TLX1	0.089	0.0886	0.3831	0.70997	0.811	-6.49	-0.3767	none
ARMC2	-0.1	-0.0399	-0.383	0.71001	0.811	-6.49	0.47189	none
AKIRIN2	-0.039	-0.084	-0.383	0.71002	0.811	-6.49	1.44297	none
ABCG4	0.034	0.0663	0.3828	0.71016	0.811	-6.49	1.3165	none
CARD11	0.126	0.3576	0.3826	0.71031	0.811	-6.49	0.36343	none
PACSN1	0.058	0.0591	0.3825	0.71035	0.811	-6.49	0.1111	none
SLC10A6	0.038	0.0525	0.3825	0.71038	0.811	-6.49	-0.168	none
LLPH	0.046	0.0412	0.3824	0.71046	0.811	-6.49	-0.1187	none
NOTCH2	0.083	0.1815	0.3823	0.7105	0.811	-6.49	-0.2092	none
ARL6	0.062	-0.0233	0.3823	0.71051	0.811	-6.49	-0.7312	none
LAMP3	0.055	-0.0059	0.3823	0.71055	0.811	-6.49	-0.0036	none
AOX1	0.03	0.0445	0.3822	0.71063	0.811	-6.49	1.45201	none
HDHD2	0.052	0.0089	0.382	0.71077	0.811	-6.49	0.98379	none
HNRNPK	-0.036	-0.0101	-0.382	0.71079	0.811	-6.49	0.10152	none
TUNAR	0.03	0.0438	0.3819	0.7108	0.811	-6.49	-0.2788	none
CNOT6	-0.041	-0.0465	-0.382	0.71082	0.811	-6.49	-0.2621	none
CCK	0.026	0.0241	0.3815	0.71108	0.811	-6.5	-0.6079	none
PDZK1IP1	-0.034	-0.0036	-0.381	0.71123	0.811	-6.5	-0.1396	none
THG1L	0.067	0.0118	0.3812	0.7113	0.811	-6.5	-0.7251	none
BUD13	0.049	0.0898	0.3809	0.71156	0.811	-6.5	1.13805	none
CCND1	-0.1	-0.1158	-0.381	0.7117	0.812	-6.5	1.44553	none
MKNK2	0.038	0.1096	0.3805	0.71183	0.812	-6.5	-0.116	none
OTOS	0.064	0.0642	0.38	0.7122	0.812	-6.5	1.09964	none
ATP2A1	-0.06	-0.0523	-0.38	0.71224	0.812	-6.5	0.14364	none
PIWIL4	0.029	0.0374	0.3799	0.71227	0.812	-6.5	1.28511	none
AP3S2	0.077	-0.0024	0.3798	0.71229	0.812	-6.5	-0.5013	none
TBX20	-0.041	-0.0025	-0.38	0.71237	0.812	-6.5	1.04612	none
OR4X1	0.04	0.0401	0.3793	0.71267	0.812	-6.5	-0.0076	none
CSF1	0.079	0.2404	0.3792	0.71274	0.812	-6.5	0.19541	none
ZBTB46	0.041	0.1028	0.3792	0.71277	0.812	-6.5	0.82132	none
HEPACAM	0.036	0.0419	0.3791	0.71283	0.812	-6.5	0.8214	none
RASGEF1A	-0.052	0.007	-0.379	0.71287	0.812	-6.5	-0.0083	none
EFCAB8	-0.078	-0.0186	-0.379	0.71288	0.812	-6.5	1.02625	none
HGF	0.027	0.0283	0.379	0.7129	0.812	-6.5	-0.4333	none
F8A1	-0.04	0.0283	-0.378	0.71346	0.813	-6.5	-0.1162	none
RIOK1	0.054	0.1177	0.378	0.71362	0.813	-6.5	0.46425	none
S100A14	-0.026	-0.0348	-0.378	0.71369	0.813	-6.5	0	none
IRX6	-0.026	-0.0262	-0.378	0.71384	0.813	-6.5	0	none
G3BP1	0.036	0.005	0.3774	0.71402	0.813	-6.5	0.31141	none
CROT	-0.039	-0.0625	-0.377	0.71409	0.813	-6.5	1.25692	none

CCNG1	0.044	-0.0787	0.3773	0.71412	0.813	-6.5	1.29614	none
KRT12	-0.043	-0.0815	-0.377	0.71417	0.813	-6.5	-0.7065	none
OR51B4	0.042	0.063	0.3767	0.71451	0.814	-6.5	-0.1317	none
ORC3	-0.056	-0.0419	-0.376	0.71484	0.814	-6.5	1.16606	none
TSNAXIP1	-0.072	0.0304	-0.376	0.71503	0.814	-6.5	1.27549	none
KIF2C	-0.048	0.0287	-0.376	0.71526	0.814	-6.5	0.64869	none
KIF2A	0.078	0.1417	0.3756	0.71531	0.814	-6.5	0.61501	none
CDKL4	0.047	0.0254	0.3756	0.71534	0.814	-6.5	1.63253	none
LTF	0.074	0.0839	0.3748	0.71593	0.815	-6.5	-0.6586	none
SERPINE2	0.034	0.0129	0.3746	0.71604	0.815	-6.5	0.22001	none
PEMT	0.055	0.0412	0.3745	0.71613	0.815	-6.5	1.12378	none
TPRA1	-0.042	-0.0442	-0.374	0.71614	0.815	-6.5	0.56278	none
SLC26A6	0.037	0.0676	0.3743	0.71628	0.815	-6.5	1.94331	none
ZIC2	0.066	0.0671	0.3741	0.71641	0.815	-6.5	1.22771	none
CD300E	-0.027	-0.0177	-0.374	0.71668	0.815	-6.5	1.89954	none
GPI	-0.052	-0.0077	-0.374	0.71673	0.815	-6.5	1.26231	none
ATRAID	-0.053	-0.0975	-0.373	0.71688	0.815	-6.5	0.16927	none
MAP1LC3E	-0.039	-0.0747	-0.373	0.71726	0.816	-6.5	1.20013	none
TFAP2C	0.044	0.0566	0.3729	0.71731	0.816	-6.5	0.32553	none
TBC1D5	0.113	0.1775	0.3724	0.71762	0.816	-6.5	0.32342	none
CTSO	-0.084	-0.195	-0.372	0.71779	0.816	-6.5	0.47776	none
TOR1B	0.046	0.0151	0.3719	0.71803	0.817	-6.5	0.7794	none
CEP44	0.045	-0.0712	0.3717	0.71813	0.817	-6.5	0.44251	none
CNOT11	-0.029	-0.0408	-0.371	0.71855	0.817	-6.5	0.98694	none
TSG101	0.042	0.024	0.3706	0.71891	0.817	-6.5	0.29952	none
HECTD2	0.072	0.068	0.3705	0.71902	0.817	-6.5	0.92324	none
TMEM64	0.062	-0.0323	0.3702	0.71923	0.818	-6.5	0.85512	none
DMRTC1	-0.03	-0.0325	-0.37	0.71925	0.818	-6.5	1.21117	none
BCCIP	-0.028	-0.0022	-0.37	0.71954	0.818	-6.5	0.58061	none
CCDC13	0.134	0.1671	0.3697	0.71962	0.818	-6.5	0.37635	none
APOC2	0.053	-0.0129	0.3695	0.7197	0.818	-6.5	-0.501	none
MSRB2	0.057	0.025	0.3694	0.71978	0.818	-6.5	0.01578	none
C1ORF94	-0.026	-0.0259	-0.369	0.71982	0.818	-6.5	1.85582	none
NANP	-0.054	-0.0426	-0.369	0.71991	0.818	-6.5	1.33189	none
TRIM8	0.077	0.1527	0.3683	0.72057	0.819	-6.5	0.18329	none
TEX19	-0.03	-0.0254	-0.368	0.72077	0.819	-6.5	0.34774	none
B3GALT6	0.059	0.0536	0.3677	0.72102	0.819	-6.5	-0.5827	none
PTDSS1	-0.052	-0.1142	-0.368	0.72103	0.819	-6.5	-0.2083	none
FOXF2	-0.025	-0.0238	-0.367	0.72134	0.819	-6.5	-0.5423	none
TFAP2E	0.032	0.0564	0.3672	0.72141	0.819	-6.5	1.19666	none

BACE2	0.056	0.0039	0.3671	0.72145	0.819	-6.5	0.13409	none
CHRNA1	0.025	0.0309	0.3671	0.72145	0.819	-6.5	0	none
MFSD5	0.048	-0.0253	0.3669	0.72159	0.819	-6.5	0.62998	none
OSM	-0.053	-0.014	-0.367	0.72188	0.82	-6.5	0.85223	none
SPINT2	-0.067	-0.0747	-0.366	0.72191	0.82	-6.5	1.01313	none
ZBTB9	-0.107	-0.1014	-0.366	0.72194	0.82	-6.5	0.6226	none
DNAI1	0.042	0.091	0.3662	0.72214	0.82	-6.5	1.51118	none
TPX2	0.131	0.3263	0.3661	0.72218	0.82	-6.5	0.52038	none
DPP8	0.069	0.0942	0.3657	0.72245	0.82	-6.5	-0.0669	none
RGPD8	-0.081	0.0767	-0.366	0.72248	0.82	-6.5	0.75863	none
FAM160A	0.026	0.031	0.3655	0.72264	0.82	-6.5	1.81031	none
DUSP23	-0.064	-0.0737	-0.365	0.72272	0.82	-6.5	0.67544	none
RBMXL1	0.059	0.0861	0.3653	0.7228	0.82	-6.5	1.02821	none
PRSS48	-0.039	-0.0386	-0.365	0.72288	0.82	-6.5	-0.233	none
PLGLB2	0.056	-0.0182	0.3649	0.72309	0.82	-6.5	0.26226	none
ST6GALNA	0.029	0.0237	0.3648	0.72312	0.82	-6.5	-0.6745	none
LPA	-0.029	-0.0199	-0.364	0.72339	0.821	-6.5	0.92621	none
SLC15A3	-0.051	-0.0527	-0.364	0.72341	0.821	-6.5	1.18289	none
MEX3B	0.027	0.05	0.3643	0.72348	0.821	-6.5	1.62487	none
PSMC3IP	0.041	0.1272	0.3643	0.7235	0.821	-6.5	-0.4788	none
PTPRN2	-0.03	-0.015	-0.364	0.72358	0.821	-6.5	1.30347	none
CENPP	0.037	0.0313	0.3638	0.72382	0.821	-6.5	0.89907	none
DESI1	-0.047	-0.0769	-0.364	0.72385	0.821	-6.5	1.01944	none
MECOM	0.101	0.1451	0.3638	0.72387	0.821	-6.5	0.93268	none
NUAK1	-0.038	#####	-0.364	0.72393	0.821	-6.5	-0.3611	none
CPE	0.059	0.1016	0.3635	0.72408	0.821	-6.5	0.07411	none
EHD1	-0.039	-0.0299	-0.363	0.72414	0.821	-6.5	0.99643	none
CEACAM2	0.031	0.0025	0.3626	0.72469	0.822	-6.5	0.2341	none
MED31	0.079	-0.0424	0.3625	0.72478	0.822	-6.5	-0.304	none
CBLC	0.029	0.0443	0.3624	0.72486	0.822	-6.5	0.91162	none
GUCY2D	-0.025	-0.0038	-0.362	0.72492	0.822	-6.5	0	none
DMRTC1B	0.03	0.0193	0.3621	0.72508	0.822	-6.5	-0.1068	none
SNAP47	0.026	0.0225	0.3619	0.7252	0.822	-6.5	0.64466	none
PRRT2	0.123	0.0522	0.3618	0.7253	0.822	-6.5	0.6186	none
EDN2	-0.044	0.0036	-0.361	0.72561	0.822	-6.5	0.18495	none
RARG	-0.035	-0.0044	-0.361	0.72569	0.822	-6.5	0.88498	none
CISD2	-0.055	-0.1035	-0.361	0.72569	0.822	-6.5	1.28546	none
SURF1	-0.054	-0.0704	-0.361	0.72582	0.822	-6.5	0.89663	none
NAPRT	-0.076	-0.0905	-0.361	0.72591	0.822	-6.5	0.23855	none
CD5	0.09	0.1835	0.3608	0.72602	0.822	-6.5	0.8014	none



GALT	0.039	0.0127	0.3607	0.72607	0.822	-6.5	1.20763	none
ADH6	-0.046	-0.0653	-0.361	0.72617	0.822	-6.5	1.19163	none
STARD7	0.041	-0.0338	0.3602	0.72648	0.823	-6.5	1.20143	none
KCNK15	-0.03	-0.0322	-0.36	0.72653	0.823	-6.5	1.17693	none
PSMD9	0.046	-0.0176	0.3598	0.72672	0.823	-6.5	-0.7583	none
ACOD1	-0.026	-0.028	-0.36	0.72674	0.823	-6.5	0	none
IL37	0.025	0.0334	0.3596	0.72689	0.823	-6.5	0	none
STAP1	-0.068	-0.0502	-0.36	0.72696	0.823	-6.5	1.22086	none
TAF9B	0.037	-0.0167	0.359	0.72735	0.823	-6.5	0.07828	none
EIF2B4	0.025	0.0587	0.3588	0.72744	0.823	-6.5	1.01206	none
FAM3C	0.044	0.1094	0.3587	0.72754	0.823	-6.5	0.85188	none
CAMK2B	0.066	0.0218	0.3582	0.72788	0.824	-6.5	0.23942	none
PROSER2	-0.03	-0.0097	-0.358	0.72791	0.824	-6.5	-0.5517	none
AGPAT5	-0.07	-0.0909	-0.358	0.72796	0.824	-6.5	0.91318	none
HSFX1	0.038	0.017	0.3581	0.72801	0.824	-6.5	-0.6461	none
ZNF697	0.025	0.0453	0.358	0.72806	0.824	-6.5	0.50061	none
PSKH1	0.052	0.1296	0.3579	0.72812	0.824	-6.5	0.78316	none
CNPY3	-0.042	-0.0162	-0.358	0.72828	0.824	-6.5	0.78379	none
GPR32	-0.032	-0.0049	-0.358	0.7283	0.824	-6.5	0.21839	none
GPS2	0.024	0.0633	0.3575	0.72844	0.824	-6.5	0.09315	none
LHX2	-0.042	-0.0452	-0.357	0.72893	0.825	-6.5	0.87164	none
NEUROD1	-0.024	-0.0154	-0.356	0.72914	0.825	-6.5	0	none
RABAC1	0.068	-0.0243	0.3565	0.72917	0.825	-6.5	0.48032	none
CHTF18	0.064	0.162	0.3564	0.72922	0.825	-6.5	0.98374	none
LIPN	-0.025	-0.0415	-0.356	0.7295	0.825	-6.51	1.49939	none
SLC25A22	0.036	0.0313	0.3558	0.72965	0.825	-6.51	1.40134	none
SCN5A	-0.038	0.0071	-0.356	0.72965	0.825	-6.51	0.83989	none
OPCML	-0.026	-0.0254	-0.356	0.72966	0.825	-6.51	1.94337	none
GATA1	-0.025	-0.0174	-0.356	0.72974	0.825	-6.51	1.09507	none
STX10	0.056	-0.0017	0.3555	0.72988	0.825	-6.51	0.10256	none
CENPT	0.059	0.0617	0.3554	0.72994	0.825	-6.51	0.83614	none
ITLN1	0.026	0.0507	0.355	0.73022	0.825	-6.51	-0.5751	none
EME2	0.059	0.0923	0.3549	0.73027	0.825	-6.51	-0.1221	none
RBM4B	0.045	-0.0011	0.3545	0.73057	0.826	-6.51	-0.4536	none
GPR183	0.04	-0.0991	0.3544	0.73063	0.826	-6.51	0.30125	none
BBS7	0.052	0.008	0.3544	0.73069	0.826	-6.51	0.89662	none
HSPA9	0.053	0.1374	0.3542	0.73081	0.826	-6.51	1.14557	none
C4B	0.106	0.0714	0.3542	0.73082	0.826	-6.51	0.36241	none
ADGRG6	0.033	0.0498	0.3541	0.73086	0.826	-6.51	1.0219	none
HADHA	-0.068	0.0318	-0.354	0.73099	0.826	-6.51	1.15739	none

HSD17B11	-0.09	-0.2184	-0.354	0.73102	0.826	-6.51	0.64268	none
TM7SF2	0.069	#####	0.3536	0.73123	0.826	-6.51	1.15606	none
DND1	-0.052	-0.0681	-0.354	0.7313	0.826	-6.51	0.48981	none
WFIKKN1	-0.024	-0.0074	-0.353	0.73137	0.826	-6.51	-0.2294	none
STAMBP	-0.043	-0.0309	-0.353	0.73179	0.826	-6.51	0.4918	none
EFS	-0.027	-0.0221	-0.353	0.73183	0.826	-6.51	1.23425	none
RHOV	0.026	0.0376	0.3526	0.73199	0.827	-6.51	0.23513	none
MAGEA2B	0.038	0.067	0.3524	0.7321	0.827	-6.51	1.65244	none
PDE9A	-0.095	0.0099	-0.352	0.73219	0.827	-6.51	1.64639	none
VWA3A	-0.033	-0.0322	-0.352	0.7322	0.827	-6.51	0.22359	none
MRPL17	0.06	0.0129	0.3522	0.73222	0.827	-6.51	-0.8312	none
GFER	0.054	0.0417	0.3516	0.73271	0.827	-6.51	0.70076	none
KIF26A	0.025	0.0289	0.3515	0.73275	0.827	-6.51	0	none
IFNLR1	0.036	0.0416	0.3515	0.73278	0.827	-6.51	1.32527	none
11-Mar	-0.044	-0.0164	-0.351	0.73283	0.827	-6.51	2.07092	none
SLC8A3	-0.023	-0.0192	-0.351	0.7329	0.827	-6.51	1.7151	none
TCF3	0.066	0.1762	0.351	0.73309	0.827	-6.51	0.36234	none
LCK	-0.032	-0.0423	-0.351	0.73326	0.827	-6.51	-0.7312	none
VGF	-0.025	-0.0236	-0.351	0.73327	0.827	-6.51	1.64073	none
PELI3	0.038	0.0883	0.3507	0.73337	0.827	-6.51	-0.1892	none
MRPS16	-0.062	-0.145	-0.35	0.73378	0.828	-6.51	0.50907	none
PEX19	-0.036	-0.108	-0.35	0.73396	0.828	-6.51	1.3372	none
ASB12	0.025	0.0278	0.3496	0.73416	0.828	-6.51	1.4074	none
ABCB10	0.054	0.0285	0.3495	0.73421	0.828	-6.51	0.80037	none
ARV1	0.063	-0.0123	0.349	0.73461	0.828	-6.51	-0.0584	none
NTN5	-0.034	-0.0099	-0.349	0.73462	0.828	-6.51	-0.1257	none
MIIP	-0.047	-0.0861	-0.349	0.73474	0.829	-6.51	1.42854	none
NDUFAF5	-0.048	-0.0998	-0.349	0.73481	0.829	-6.51	0.28252	none
VLDLR	0.052	0.06	0.3484	0.73499	0.829	-6.51	0.865	none
OR1A2	-0.026	-0.0052	-0.348	0.735	0.829	-6.51	0.56424	none
AL136097.	0.025	0.0215	0.3483	0.73508	0.829	-6.51	0.59664	none
DTNBP1	0.038	0.1369	0.3483	0.73508	0.829	-6.51	0.9312	none
PTTG2	0.049	0.1152	0.3483	0.73509	0.829	-6.51	0.49138	none
TMCO5A	-0.049	-0.0491	-0.348	0.73515	0.829	-6.51	1.06393	none
NRAS	-0.06	-0.0935	-0.348	0.7352	0.829	-6.51	0.83143	none
SSUH2	-0.079	0.0172	-0.348	0.73521	0.829	-6.51	1.46968	none
GOLGA6L2	0.025	0.0255	0.3481	0.73522	0.829	-6.51	1.55248	none
MEPE	-0.025	-0.0251	-0.348	0.73531	0.829	-6.51	0.6513	none
TCTN3	-0.049	-0.0522	-0.348	0.73534	0.829	-6.51	1.44634	none
NBN	0.088	0.1834	0.3474	0.73577	0.829	-6.51	0.462	none

MOCS1	-0.063	-0.067	-0.347	0.73582	0.829	-6.51	0.11399	none
NT5DC4	-0.068	0.0515	-0.347	0.73588	0.829	-6.51	0.55452	none
BET1	-0.048	-0.1472	-0.347	0.73592	0.829	-6.51	0.85461	none
KRT26	0.029	0.0289	0.347	0.736	0.829	-6.51	-0.1048	none
WNT9A	0.028	0.0521	0.3469	0.73607	0.829	-6.51	-0.0055	none
IL36A	-0.04	-0.0251	-0.347	0.73627	0.829	-6.51	1.60509	none
MCM6	-0.05	0.0366	-0.347	0.73632	0.829	-6.51	0.95408	none
IL36G	0.027	0.0352	0.3466	0.73633	0.829	-6.51	0.27196	none
MLNR	0.026	0.0332	0.3462	0.73663	0.829	-6.51	-0.6913	none
CTNBL1	0.041	0.0971	0.3462	0.73665	0.829	-6.51	0.46377	none
ARL15	-0.032	-0.1446	-0.346	0.73681	0.829	-6.51	0.51448	none
HDAC8	0.04	0.018	0.3459	0.73685	0.829	-6.51	0.36066	none
CDKL3	-0.14	-0.1407	-0.346	0.73685	0.829	-6.51	0.85614	none
SERPINB2	0.03	0.0404	0.3455	0.73709	0.83	-6.51	0.42446	none
FAM110B	0.066	0.0789	0.3453	0.73729	0.83	-6.51	-0.5462	none
TIPRL	0.046	-0.0585	0.344	0.7382	0.831	-6.51	-0.2288	none
IGFALS	0.061	0.0288	0.344	0.73821	0.831	-6.51	1.41899	none
DBF4	0.086	0.1643	0.3439	0.73826	0.831	-6.51	0.38225	none
HIST1H2BI	0.073	0.041	0.3434	0.73864	0.831	-6.51	-0.1677	none
DENND1C	0.079	0.1785	0.3433	0.73872	0.831	-6.51	0.30214	none
CALM3	-0.028	0.001	-0.343	0.73875	0.831	-6.51	-0.1459	none
CERK	-0.031	-0.0285	-0.343	0.73877	0.831	-6.51	-0.4474	none
NEURL2	-0.04	-0.0658	-0.343	0.73882	0.831	-6.51	1.76428	none
LPP	0.047	0.1267	0.3431	0.73885	0.831	-6.51	-0.1524	none
HOXA9	-0.026	-0.022	-0.343	0.73894	0.831	-6.51	1.59515	none
DPM3	-0.076	-0.1657	-0.343	0.73896	0.831	-6.51	-0.2811	none
RCBTB2	0.056	-0.0453	0.343	0.73897	0.831	-6.51	-0.4444	none
NUP62CL	0.057	0.0818	0.3429	0.73903	0.831	-6.51	0.5339	none
CDK2AP2	-0.039	-0.0305	-0.343	0.73909	0.831	-6.51	1.38838	none
COMMD1	-0.054	-0.1318	-0.343	0.73921	0.831	-6.51	0.33558	none
OSGEPL1	-0.053	-0.1275	-0.342	0.73947	0.831	-6.51	0.30057	none
RUNDC3B	0.074	0.0172	0.3421	0.73958	0.831	-6.51	0.65126	none
CORT	0.034	0.039	0.3419	0.73973	0.832	-6.51	-0.1174	none
E2F3	0.051	0.0815	0.3419	0.73975	0.832	-6.51	0.96065	none
REXO1	-0.076	0.0946	-0.342	0.7398	0.832	-6.51	0.11158	none
NT5C1B-RI	0.025	0.0197	0.3416	0.74	0.832	-6.51	0.77608	none
CACNA2D	-0.04	-0.0604	-0.341	0.74004	0.832	-6.51	0.73895	none
TAL1	0.032	0.0449	0.3414	0.74013	0.832	-6.51	0.57633	none
SCG3	-0.025	-0.0179	-0.341	0.74019	0.832	-6.51	1.3149	none
ERLIN2	0.049	-0.0484	0.3413	0.74021	0.832	-6.51	-0.6924	none

KDM4D	0.03	0.0739	0.3412	0.74028	0.832	-6.51	0.87949	none
ISG15	-0.062	-0.1326	-0.341	0.7406	0.832	-6.51	0.03594	none
GPR179	0.041	0.0325	0.3407	0.74064	0.832	-6.51	0.51427	none
ZNF112	0.023	0.0228	0.3404	0.74084	0.832	-6.51	0	none
ZNF729	0.024	0.024	0.3402	0.74098	0.832	-6.51	-0.4115	none
MPI	0.029	0.0805	0.3402	0.74102	0.832	-6.51	0.51297	none
SMIM8	0.049	-0.0653	0.3401	0.74104	0.832	-6.51	-0.1997	none
EGR1	0.066	0.1664	0.3399	0.7412	0.832	-6.51	-0.2132	none
RTP4	-0.044	-0.0847	-0.34	0.74123	0.832	-6.51	1.55055	none
PQBP1	0.025	-0.0095	0.3398	0.74132	0.832	-6.51	0.35226	none
FIBP	-0.038	-0.0731	-0.339	0.74183	0.833	-6.51	0.09623	none
HRC	-0.071	-0.1021	-0.339	0.74196	0.833	-6.51	1.71979	none
PRSS51	0.026	0.0396	0.3384	0.74229	0.833	-6.51	-0.0453	none
LAMA3	-0.045	-0.0288	-0.338	0.74233	0.833	-6.51	0.6074	none
COPS3	-0.043	-0.0955	-0.338	0.74262	0.834	-6.51	1.04116	none
RALGAPA1	0.1	0.1255	0.3375	0.74294	0.834	-6.51	0.98021	none
ASF1A	0.042	-0.0691	0.3373	0.7431	0.834	-6.51	-0.4223	none
PCDHGB1	-0.025	-0.0104	-0.337	0.74327	0.834	-6.51	0	none
RNF26	-0.037	-0.0387	-0.337	0.74353	0.834	-6.51	1.18903	none
SOAT2	0.059	0.0591	0.3366	0.74361	0.834	-6.51	0.42499	none
CEBPA	0.029	0.0724	0.3366	0.74365	0.834	-6.51	0.72083	none
SLC43A1	-0.037	-0.0181	-0.336	0.7437	0.834	-6.51	1.06428	none
SH2D4B	0.023	0.0292	0.3364	0.74375	0.834	-6.51	0.55562	none
MYBPC1	-0.026	-0.0257	-0.336	0.74379	0.834	-6.51	-0.6861	none
PNPLA2	-0.043	-0.0668	-0.336	0.7438	0.834	-6.51	0.66398	none
CAPN5	0.039	0.0068	0.3363	0.74384	0.834	-6.51	0.6104	none
TOMM40L	-0.038	0.0194	-0.336	0.74413	0.835	-6.51	0.5596	none
FAM181B	-0.023	-0.0064	-0.336	0.7442	0.835	-6.51	0.01408	none
PRUNE1	0.049	-0.0237	0.3358	0.74422	0.835	-6.51	0.50934	none
SEC22A	0.068	-0.0499	0.3356	0.74435	0.835	-6.51	0.72197	none
MCM3	0.064	0.1753	0.3352	0.74462	0.835	-6.51	0.39529	none
PMM1	0.046	0.0139	0.3348	0.74496	0.835	-6.51	0.08675	none
APOBEC3C	0.037	-0.039	0.3347	0.74498	0.835	-6.51	0.46805	none
EXOSC1	-0.054	-0.1312	-0.335	0.74508	0.835	-6.51	0.72899	none
PPP4R4	0.03	0.0796	0.3342	0.74538	0.836	-6.51	0.25507	none
ARHGEF16	0.029	0.0502	0.3342	0.7454	0.836	-6.51	-0.1313	none
APBB1IP	0.08	0.1529	0.3341	0.74544	0.836	-6.51	0.40232	none
INHA	0.047	0.0477	0.3339	0.74561	0.836	-6.51	1.69179	none
ARHGAP36	-0.033	-0.0128	-0.334	0.74564	0.836	-6.51	-0.7905	none
FAM214A	0.081	0.2337	0.3337	0.74573	0.836	-6.51	0.76387	none

DEPDC1	-0.054	-0.0177	-0.334	0.74577	0.836	-6.51	1.407	none
C1ORF105	0.076	0.0772	0.3336	0.7458	0.836	-6.51	0.78806	none
FAAH2	0.051	0.0246	0.3336	0.74583	0.836	-6.51	-0.0548	none
TMEM189	0.041	0.0556	0.3334	0.74593	0.836	-6.51	0.76539	none
ZBTB32	0.033	0.1354	0.3334	0.74596	0.836	-6.51	0.99595	none
CNTN4	-0.035	-0.0588	-0.333	0.74599	0.836	-6.51	-0.3238	none
ARHGAP15	0.053	0.1131	0.3333	0.74602	0.836	-6.51	0.88377	none
APOL4	0.072	0.1304	0.3332	0.74608	0.836	-6.51	0.71645	none
COPG2	0.045	0.057	0.3332	0.74609	0.836	-6.51	0.34377	none
CHRNA4	-0.152	-0.1088	-0.333	0.74634	0.836	-6.51	1.19438	none
LRRRC74A	-0.049	-0.0487	-0.333	0.74639	0.836	-6.51	0.62735	none
CD72	0.031	0.0885	0.3326	0.74652	0.836	-6.51	-0.1097	none
HERC3	-0.041	-0.0824	-0.332	0.74672	0.836	-6.51	0.08481	none
ZCRB1	0.027	-0.0191	0.3323	0.74674	0.836	-6.51	-0.1015	none
CD247	-0.026	-0.0387	-0.332	0.74679	0.836	-6.51	1.14536	none
TRIM28	-0.053	0.0769	-0.332	0.74681	0.836	-6.51	-0.1258	none
ABHD13	0.03	-0.0373	0.3322	0.74684	0.836	-6.51	1.13243	none
ZBTB12	0.026	0.0501	0.3321	0.7469	0.836	-6.51	-0.112	none
SPINK4	0.038	0.0927	0.3321	0.74691	0.836	-6.51	-0.5131	none
LARGE2	-0.045	-0.0432	-0.332	0.74729	0.836	-6.51	1.5111	none
PLXND1	0.046	0.0562	0.3316	0.7473	0.836	-6.51	0.18841	none
HHEX	0.028	0.011	0.3315	0.74734	0.836	-6.51	0.84248	none
KCNQ3	-0.036	-0.0472	-0.331	0.74738	0.836	-6.51	-0.2263	none
TCEAL3	0.06	0.0805	0.3312	0.74756	0.836	-6.51	0.0505	none
FAM174B	-0.075	-0.1035	-0.331	0.74757	0.836	-6.51	-0.2247	none
RAG2	-0.028	-0.0184	-0.331	0.7477	0.836	-6.51	1.38788	none
ARHGAP15	0.064	0.032	0.331	0.74774	0.836	-6.51	0.32897	none
ENPP7	-0.023	-0.0121	-0.331	0.74782	0.837	-6.51	0.50826	none
CMSS1	0.034	0.0092	0.3307	0.74797	0.837	-6.51	0.09048	none
THEMIS	-0.049	-0.0574	-0.331	0.748	0.837	-6.51	0.755	none
HGH1	-0.036	0.0499	-0.33	0.74809	0.837	-6.51	0.08832	none
C17ORF80	-0.085	-0.0048	-0.33	0.74829	0.837	-6.51	1.44645	none
PET100	0.075	-0.0397	0.3301	0.74837	0.837	-6.51	-0.1223	none
RANGAP1	0.052	0.1597	0.3301	0.74837	0.837	-6.51	0.35669	none
SCX	-0.029	-0.002	-0.33	0.74839	0.837	-6.51	0.8632	none
SUPT3H	0.056	0.0287	0.3297	0.74866	0.837	-6.51	0.07139	none
NTNG1	-0.034	-0.0213	-0.329	0.74883	0.837	-6.51	-0.1736	none
PSMB9	-0.038	-0.0452	-0.329	0.74892	0.837	-6.51	1.35844	none
FXR1	0.048	0.0693	0.3293	0.74894	0.837	-6.51	0.91136	none
TEKT5	-0.03	-0.0301	-0.329	0.74914	0.837	-6.51	-0.2942	none

CGGBP1	-0.033	-0.0977	-0.329	0.7492	0.837	-6.51	0.04139	none
TMPPE	0.034	-0.0062	0.3282	0.74974	0.838	-6.52	0.41857	none
RAD21	0.051	0.1086	0.328	0.74988	0.838	-6.52	0.90759	none
SPRR2D	-0.035	-0.0349	-0.328	0.75004	0.838	-6.52	1.15163	none
DNMT3B	0.029	0.0541	0.3278	0.75004	0.838	-6.52	0.16419	none
CRHR2	0.033	0.0371	0.3278	0.75004	0.838	-6.52	1.08514	none
ANG	-0.065	-0.0279	-0.328	0.75014	0.838	-6.52	1.44853	none
C1GALT1C	-0.024	-0.0285	-0.327	0.75041	0.838	-6.52	1.35295	none
SLC25A24	0.029	-0.0562	0.327	0.75063	0.839	-6.52	0.26458	none
GABRA5	-0.05	-0.0435	-0.326	0.75104	0.839	-6.52	0.02529	none
7-Sep	-0.044	0.0081	-0.326	0.75116	0.839	-6.52	1.29211	none
KIT	-0.058	-0.1046	-0.326	0.75141	0.839	-6.52	1.08159	none
EEF2	-0.055	0.0027	-0.326	0.75144	0.839	-6.52	1.41619	none
CFAP99	-0.03	-0.0076	-0.326	0.75171	0.839	-6.52	1.2245	none
TSPYL5	0.027	0.0358	0.3251	0.75203	0.84	-6.52	1.15314	none
ZBTB5	0.035	0.0506	0.3248	0.75229	0.84	-6.52	0.9879	none
AQP12A	0.028	0.0536	0.3245	0.75244	0.84	-6.52	-0.0381	none
TM9SF1	-0.034	-0.0658	-0.325	0.75248	0.84	-6.52	0.80049	none
EIF3CL	0.091	0.0367	0.3245	0.7525	0.84	-6.52	0.33482	none
OMG	-0.041	-0.0292	-0.324	0.75253	0.84	-6.52	0.0455	none
ADORA2A	-0.031	0.0183	-0.324	0.75256	0.84	-6.52	1.36964	none
MCHR1	-0.025	-0.0269	-0.324	0.75258	0.84	-6.52	0.37772	none
PTGES3L-A	0.052	0.0449	0.3244	0.75258	0.84	-6.52	1.2566	none
NARS2	0.058	0.0699	0.3244	0.75258	0.84	-6.52	0.681	none
ADM5	0.037	0.096	0.3242	0.75273	0.84	-6.52	0.55824	none
JAG1	-0.048	-0.0137	-0.324	0.75281	0.84	-6.52	0.73329	none
NIPA2	-0.066	-0.102	-0.324	0.75286	0.84	-6.52	1.81819	none
RSU1	0.025	-0.0498	0.3239	0.75292	0.84	-6.52	0.52099	none
CPEB2	-0.032	-0.0039	-0.324	0.75306	0.84	-6.52	1.48779	none
AFP	-0.073	-0.1679	-0.323	0.75354	0.841	-6.52	0.3842	none
LPAR5	0.036	0.0563	0.3229	0.75366	0.841	-6.52	0.27685	none
COL6A1	-0.064	-0.0283	-0.323	0.75382	0.841	-6.52	0.84741	none
MTERF4	0.043	0.0018	0.3227	0.75383	0.841	-6.52	-0.6166	none
CRHR1	-0.032	-0.0175	-0.323	0.75386	0.841	-6.52	-0.3671	none
ZNF655	-0.035	-0.0732	-0.323	0.75394	0.841	-6.52	0.758	none
RFXANK	-0.055	-0.0692	-0.322	0.75399	0.841	-6.52	0.0484	none
SPHK1	0.069	0.0656	0.3219	0.75441	0.841	-6.52	-0.5072	none
SIX2	0.027	0.0257	0.3218	0.75448	0.841	-6.52	0.72848	none
EBF3	-0.025	#####	-0.322	0.75465	0.841	-6.52	0.40389	none
CBLL1	0.037	0.052	0.3215	0.75466	0.841	-6.52	-0.637	none

HMG5	0.091	0.2022	0.3202	0.75562	0.842	-6.52	0.32596	none
C3ORF18	0.038	0.0504	0.3199	0.75585	0.842	-6.52	0.20858	none
SSTR5	-0.025	-0.0248	-0.32	0.75587	0.842	-6.52	-0.5284	none
TNFRSF6B	0.022	0.0036	0.3198	0.75594	0.842	-6.52	-0.3315	none
PRIM1	0.048	0.0074	0.3197	0.75598	0.842	-6.52	1.09572	none
ROPN1	0.044	0.047	0.3188	0.75668	0.843	-6.52	0.08592	none
TP53I11	-0.046	0.0163	-0.318	0.75703	0.844	-6.52	0.21169	none
ITGB5	-0.045	-0.0572	-0.318	0.75712	0.844	-6.52	0.50309	none
KCNK17	0.023	0.0285	0.3181	0.75716	0.844	-6.52	0.34895	none
ZP4	-0.023	-0.024	-0.318	0.75725	0.844	-6.52	0	none
SOAT1	0.044	-0.0876	0.3179	0.75732	0.844	-6.52	0.93231	none
FASLG	-0.05	-0.0099	-0.318	0.75737	0.844	-6.52	0.74236	none
SYNJ2BP-C	-1.459	-1.3811	-0.318	0.75739	0.844	-6.52	1.99825	none
AQP12B	0.027	0.0353	0.3178	0.75743	0.844	-6.52	-0.3428	none
TPRX1	0.023	0.0225	0.3176	0.75753	0.844	-6.52	0.94361	none
CCDC184	-0.023	-0.0207	-0.318	0.7576	0.844	-6.52	0	none
FBLN1	-0.055	0.0426	-0.317	0.75773	0.844	-6.52	0.45772	none
SDHD	0.045	-0.0895	0.3173	0.75778	0.844	-6.52	0.38657	none
GIMAP8	0.044	0.0917	0.3172	0.75784	0.844	-6.52	0.14996	none
TMED7-TIC	-0.041	#####	-0.317	0.75786	0.844	-6.52	1.25722	none
ZKSCAN8	-0.036	-0.0228	-0.317	0.75801	0.844	-6.52	0.54795	none
ISY1-RAB4	0.027	0.0187	0.3166	0.75832	0.844	-6.52	0.77651	none
MAP3K3	-0.065	0.0312	-0.316	0.75851	0.844	-6.52	0.56759	none
PTH2R	0.1	0.0497	0.3161	0.75865	0.844	-6.52	-0.5654	none
CRYGN	0.022	0.0159	0.3159	0.75883	0.845	-6.52	1.58362	none
ZDHHC9	-0.033	-0.085	-0.316	0.75895	0.845	-6.52	0.91796	none
MTRNR2L1	-0.027	-0.0649	-0.316	0.75906	0.845	-6.52	0.89478	none
HIF1AN	0.032	-0.0013	0.3155	0.7591	0.845	-6.52	-0.6392	none
PPP2R5E	0.045	0.1	0.3145	0.75981	0.845	-6.52	0.94328	none
NCLN	0.036	0.0756	0.3144	0.75989	0.845	-6.52	1.4587	none
DPP7	-0.035	-0.0336	-0.314	0.75992	0.845	-6.52	0.84152	none
CASP1	-0.024	-0.0707	-0.314	0.76004	0.845	-6.52	-0.1903	none
DIRAS1	0.024	0.0134	0.3142	0.76009	0.845	-6.52	1.5413	none
DUSP7	0.037	0.074	0.3139	0.76026	0.846	-6.52	-0.1772	none
BARHL1	0.029	0.0148	0.3137	0.76042	0.846	-6.52	0.13123	none
CPNE7	-0.056	0.0877	-0.314	0.76055	0.846	-6.52	0.79014	none
RCN1	-0.041	0.0032	-0.313	0.76067	0.846	-6.52	1.44066	none
COPRS	-0.069	-0.1339	-0.313	0.7608	0.846	-6.52	0.5892	none
NAALADL2	-0.042	-0.0532	-0.312	0.76148	0.847	-6.52	1.16088	none
SPAG16	-0.035	-0.1411	-0.312	0.76157	0.847	-6.52	0.29378	none

CTSD	-0.031	-0.0286	-0.312	0.76172	0.847	-6.52	1.60635	none
AXDND1	-0.023	0.0061	-0.312	0.76173	0.847	-6.52	0.26367	none
DIP2C	-0.042	#####	-0.312	0.76192	0.847	-6.52	0.96294	none
VAPB	-0.034	0.0194	-0.312	0.76193	0.847	-6.52	1.18201	none
ASPHD1	0.041	0.0539	0.3116	0.76199	0.847	-6.52	1.4184	none
HMCN1	-0.021	-0.0153	-0.311	0.76213	0.847	-6.52	0	none
KDEL3	-0.054	-0.0428	-0.311	0.7623	0.847	-6.52	1.29627	none
OTUB1	-0.037	-0.0815	-0.311	0.76236	0.847	-6.52	0.90309	none
BLK	-0.053	-0.118	-0.311	0.76245	0.847	-6.52	0.21388	none
BYSL	0.032	0.051	0.3108	0.76252	0.847	-6.52	0.11234	none
GCOM1	-0.026	0.0099	-0.311	0.76257	0.847	-6.52	1.10823	none
NPHP4	0.061	0.14	0.3102	0.76299	0.848	-6.52	1.50878	none
HSPA14	-0.026	-0.0705	-0.31	0.76325	0.848	-6.52	0.882	none
HIST1H4L	-0.069	-0.0928	-0.309	0.76353	0.848	-6.52	1.07801	none
EIF3J	0.053	0.0901	0.3094	0.76361	0.848	-6.52	1.23043	none
SPP1	0.065	0.0811	0.3093	0.76364	0.848	-6.52	0.01623	none
HSDL2	0.029	-0.0451	0.3093	0.76364	0.848	-6.52	0.31208	none
TMEM141	0.046	0.0034	0.3091	0.76379	0.848	-6.52	-0.3943	none
MRPL42	-0.044	-0.087	-0.309	0.76382	0.848	-6.52	-0.1875	none
CLGN	-0.026	-0.0215	-0.309	0.7639	0.848	-6.52	1.03387	none
TCP10L2	0.045	0.0887	0.309	0.76392	0.848	-6.52	-0.2044	none
RGS16	-0.026	0.0836	-0.309	0.76395	0.848	-6.52	0.42766	none
RYR3	-0.131	0.0602	-0.309	0.76421	0.848	-6.52	-0.2515	none
VSX2	0.023	0.0455	0.3082	0.76451	0.849	-6.52	0.42171	none
SLC25A53	0.064	0.0886	0.3079	0.76469	0.849	-6.52	1.09431	none
ALKBH1	0.053	0.0397	0.3078	0.76475	0.849	-6.52	0.65508	none
TMEM183	-0.045	-0.0815	-0.308	0.76491	0.849	-6.52	1.52718	none
TMEM160	-0.065	-0.1178	-0.307	0.7652	0.849	-6.52	0.95845	none
GIPC3	-0.022	-0.0027	-0.307	0.76537	0.849	-6.52	0.37463	none
GOLGA6L1	-0.028	-0.0124	-0.307	0.76541	0.849	-6.52	-0.224	none
SPSB3	-0.041	-0.0421	-0.307	0.76564	0.85	-6.52	0.97475	none
PRSS33	0.023	0.0231	0.3064	0.76583	0.85	-6.52	1.49167	none
DDR2	0.036	0.0358	0.3062	0.76594	0.85	-6.52	0.51921	none
CCDC110	-0.026	-0.018	-0.306	0.76595	0.85	-6.52	1.4035	none
SEPHS2	-0.025	-0.0062	-0.306	0.76597	0.85	-6.52	1.29045	none
PLEKHM2	0.043	0.1368	0.3061	0.76599	0.85	-6.52	0.55834	none
CACFD1	0.046	-0.0046	0.306	0.76613	0.85	-6.52	0.89024	none
USP27X	0.027	0.0578	0.3059	0.76616	0.85	-6.52	0.87022	none
SLC25A1	-0.031	0.0181	-0.306	0.76628	0.85	-6.52	0.85451	none
HIST1H1C	-0.035	-0.0819	-0.306	0.76634	0.85	-6.52	1.29914	none



ADGRG5	-0.038	-0.066	-0.306	0.76647	0.85	-6.52	0.35485	none
ANKRD22	0.031	-0.0119	0.3054	0.76654	0.85	-6.52	0.08772	none
DHRS9	0.058	-0.0122	0.3053	0.76664	0.85	-6.52	-0.2946	none
TP53TG5	-0.045	-0.0033	-0.305	0.76673	0.85	-6.52	1.43444	none
FGFR3	0.031	0.0756	0.3051	0.76676	0.85	-6.52	0.76987	none
RAB6A	0.028	0.018	0.3048	0.76697	0.85	-6.52	0.45822	none
HOXA5	0.035	0.0305	0.3046	0.7671	0.85	-6.52	1.53266	none
PEX14	-0.044	-0.0296	-0.304	0.76733	0.85	-6.52	-0.0391	none
HIST2H4B	0.076	0.0515	0.3043	0.76735	0.85	-6.52	0.70153	none
FCGR2B	-0.024	-0.0435	-0.304	0.7674	0.85	-6.52	0.77085	none
C9ORF72	0.047	0.0044	0.3041	0.76749	0.85	-6.52	0.45013	none
MAGEB3	-0.022	-0.0047	-0.304	0.76752	0.85	-6.52	0.86097	none
CDV3	0.053	0.1002	0.304	0.76755	0.85	-6.52	-0.1094	none
CFAP57	-0.043	0.0102	-0.304	0.76784	0.851	-6.52	1.69394	none
PDIA3	0.035	0.0994	0.3033	0.76807	0.851	-6.52	0.8523	none
PABPN1	0.048	0.1297	0.3032	0.76815	0.851	-6.52	0.00625	none
CUEDC1	0.082	0.0843	0.303	0.76829	0.851	-6.52	-0.2773	none
HSP90B1	0.092	0.2386	0.3029	0.76837	0.851	-6.52	0.67897	none
PPM1A	-0.021	-0.0057	-0.303	0.7684	0.851	-6.52	0.91089	none
PRKCQ	0.059	0.128	0.3027	0.76852	0.851	-6.52	0.77544	none
DUSP8	0.029	0.0402	0.3027	0.76857	0.851	-6.52	1.45484	none
LRRC32	0.029	0.068	0.3025	0.76866	0.851	-6.52	0.083	none
LZTS3	-0.024	-0.0206	-0.302	0.76917	0.852	-6.52	1.32728	none
CHIC2	0.05	-0.0267	0.3012	0.76963	0.852	-6.52	1.66258	none
CDC37L1	0.049	-0.0377	0.3005	0.77015	0.853	-6.52	0.22332	none
KPNA3	-0.04	-0.003	-0.3	0.77061	0.853	-6.52	1.1713	none
CCL23	-0.024	-0.0316	-0.299	0.77097	0.853	-6.52	0.96679	none
ATP4B	0.022	0.0367	0.2994	0.77098	0.853	-6.52	-0.0267	none
TWIST2	0.023	0.023	0.2987	0.77153	0.854	-6.53	1.8788	none
PRR5L	0.052	0.0871	0.2984	0.77173	0.854	-6.53	0.88148	none
PMFBP1	0.027	0.1081	0.2981	0.77198	0.854	-6.53	0.41508	none
CTAG1B	-0.023	-0.0268	-0.298	0.77222	0.855	-6.53	0	none
GNMT	-0.021	-0.0047	-0.298	0.77223	0.855	-6.53	0.10379	none
DEDD	0.025	-0.0026	0.2975	0.7724	0.855	-6.53	-0.8823	none
MGST3	0.049	-0.0651	0.2973	0.77252	0.855	-6.53	0.73309	none
RAB27B	-0.022	-0.0285	-0.297	0.77265	0.855	-6.53	0	none
ADH4	0.045	-0.0161	0.2968	0.77288	0.855	-6.53	0.04201	none
CD19	-0.033	-0.0714	-0.297	0.77292	0.855	-6.53	1.08192	none
POTEI	0.023	0.0093	0.2967	0.77299	0.855	-6.53	-0.0273	none
FCGRT	0.048	-0.113	0.2964	0.77319	0.855	-6.53	-0.2772	none

LRRRC61	-0.03	#####	-0.296	0.77338	0.855	-6.53	1.65892	none
CDS2	-0.043	-0.1462	-0.296	0.77361	0.856	-6.53	0.43072	none
FADD	-0.024	-0.0357	-0.296	0.77377	0.856	-6.53	1.14447	none
ECSIT	-0.041	-0.0574	-0.296	0.77378	0.856	-6.53	1.33981	none
ICAM2	-0.044	-0.1186	-0.296	0.77382	0.856	-6.53	-0.0276	none
PTPRU	0.025	0.0231	0.2953	0.77399	0.856	-6.53	0.58178	none
NCK2	0.031	0.0787	0.2953	0.774	0.856	-6.53	1.07839	none
NOP9	-0.03	0.0565	-0.295	0.77407	0.856	-6.53	0.10383	none
GPR152	0.022	0.0148	0.2952	0.77408	0.856	-6.53	0.66047	none
C1QTNF9	0.021	0.0241	0.2952	0.7741	0.856	-6.53	0	none
UBE2E2	-0.045	0.023	-0.295	0.77423	0.856	-6.53	0.06562	none
EFNA3	-0.029	0.0257	-0.295	0.77436	0.856	-6.53	0.34174	none
NTNG2	0.041	0.0885	0.2948	0.77438	0.856	-6.53	0.58478	none
AGBL3	0.049	-0.0352	0.2948	0.77439	0.856	-6.53	-0.8944	none
COMTD1	0.04	0.0137	0.2946	0.77451	0.856	-6.53	1.51451	none
LHFPL1	0.03	-0.0118	0.2945	0.77463	0.856	-6.53	1.59192	none
TIGD3	-0.03	-0.0295	-0.294	0.77468	0.856	-6.53	0.06198	none
C1QB	0.046	0.0538	0.2944	0.77472	0.856	-6.53	1.4126	none
ANKRD20A	0.028	0.0258	0.2939	0.77508	0.856	-6.53	1.76792	none
CCDC155	0.103	0.1656	0.2937	0.7752	0.856	-6.53	-0.1422	none
SERPINB8	-0.054	-0.0335	-0.294	0.7753	0.856	-6.53	0.63551	none
MRGPRF	-0.041	#####	-0.294	0.7753	0.856	-6.53	1.38705	none
COL5A2	-0.027	0.0114	-0.294	0.77531	0.856	-6.53	0.31063	none
CLEC1A	-0.116	-0.1554	-0.293	0.77565	0.856	-6.53	-0.1267	none
YDJC	-0.035	-0.0232	-0.293	0.77565	0.856	-6.53	1.79539	none
PRSS36	-0.032	-0.0418	-0.293	0.77594	0.857	-6.53	1.63387	none
C12ORF75	-0.048	-0.1201	-0.293	0.77595	0.857	-6.53	1.27229	none
PCDHGB2	-0.022	-0.023	-0.292	0.77616	0.857	-6.53	1.69853	none
DMAP1	0.03	0.1393	0.2923	0.77624	0.857	-6.53	0.58679	none
SEC62	0.06	0.055	0.2923	0.77626	0.857	-6.53	0.01659	none
ZNF649	0.087	0.061	0.2922	0.77635	0.857	-6.53	0.88164	none
KREMEN2	-0.022	-0.0094	-0.292	0.77645	0.857	-6.53	0.43065	none
CTNND1	0.038	0.0877	0.2919	0.77656	0.857	-6.53	0.31498	none
EMD	-0.05	-0.1477	-0.292	0.77675	0.857	-6.53	1.21929	none
ASL	0.024	0.0503	0.2909	0.7773	0.858	-6.53	0.73113	none
CES1	0.054	0.0944	0.2906	0.77753	0.858	-6.53	0.02019	none
PRSS50	0.025	0.0104	0.2903	0.77772	0.858	-6.53	-0.2413	none
CFB	-0.032	#####	-0.29	0.77785	0.858	-6.53	0.42002	none
ORMDL1	-0.037	-0.051	-0.29	0.77786	0.858	-6.53	1.03495	none
KCTD10	-0.032	-0.0459	-0.29	0.77787	0.858	-6.53	0.55546	none

CCNE2	0.023	0.0282	0.2901	0.77787	0.858	-6.53	-0.3445	none
ABLIM1	0.063	0.1038	0.2899	0.77804	0.858	-6.53	0.60262	none
VAT1	-0.043	-0.0737	-0.29	0.77814	0.858	-6.53	1.12593	none
UBE2V1	-0.025	-0.0042	-0.289	0.77835	0.858	-6.53	0.88783	none
CPPED1	0.023	-0.0552	0.289	0.7787	0.859	-6.53	-0.5492	none
ASB10	-0.037	-0.0317	-0.289	0.77872	0.859	-6.53	1.8263	none
ST6GALNA	0.036	0.0022	0.2888	0.77886	0.859	-6.53	0.6046	none
ABCG5	0.023	0.013	0.2887	0.77888	0.859	-6.53	-0.2221	none
C6ORF106	-0.035	#####	-0.289	0.77896	0.859	-6.53	0.88914	none
ALG8	0.041	-0.1066	0.2884	0.77913	0.859	-6.53	-0.256	none
GDF2	0.02	0.025	0.2884	0.77916	0.859	-6.53	0	none
CCL16	-0.11	0.0739	-0.288	0.77923	0.859	-6.53	0.45922	none
MT1H	-0.081	-0.0969	-0.288	0.77923	0.859	-6.53	0.45498	none
DPY19L2	-0.052	-0.0206	-0.288	0.7794	0.859	-6.53	0.06676	none
AL356585	0.03	0.0653	0.2878	0.77955	0.859	-6.53	0.48708	none
OR2L5	-0.02	-0.0083	-0.288	0.7796	0.859	-6.53	0.05088	none
MIS12	0.027	-0.0742	0.2875	0.77983	0.859	-6.53	0.3487	none
FGGY	0.05	-0.0608	0.2872	0.78002	0.859	-6.53	-0.3931	none
CBWD2	-0.029	-0.038	-0.287	0.78005	0.859	-6.53	-0.4043	none
MAPKAPK	-0.027	-0.0272	-0.287	0.78042	0.86	-6.53	1.66354	none
CPA5	0.078	-0.0614	0.2866	0.78045	0.86	-6.53	0.3674	none
MAP1B	0.027	0.0685	0.2861	0.78085	0.86	-6.53	-0.3592	none
EXTL2	0.029	-0.0053	0.286	0.78089	0.86	-6.53	1.73565	none
HSFX2	0.025	0.0042	0.286	0.78092	0.86	-6.53	-0.4876	none
ZNF22	-0.037	-0.056	-0.286	0.78095	0.86	-6.53	0.15749	none
PRM3	0.05	0.026	0.2859	0.78096	0.86	-6.53	0.42353	none
SPR	-0.027	0.0843	-0.286	0.78098	0.86	-6.53	1.39937	none
PRR20C	0.02	0.0252	0.2858	0.78106	0.86	-6.53	0	none
HPCAL1	0.048	0.0658	0.2858	0.78108	0.86	-6.53	1.06631	none
MFSD12	0.025	0.0275	0.2858	0.78109	0.86	-6.53	-0.7835	none
KRAS	-0.028	-0.0402	-0.285	0.78157	0.86	-6.53	0.96885	none
USH1C	-0.044	-0.0436	-0.285	0.78184	0.861	-6.53	-0.4901	none
CD7	0.035	0.0308	0.2843	0.78215	0.861	-6.53	0.63329	none
CLUL1	0.055	0.0512	0.2842	0.78227	0.861	-6.53	1.10951	none
TLDC2	0.029	0.068	0.2841	0.78231	0.861	-6.53	-0.1091	none
SLC45A1	0.032	-0.0054	0.2841	0.78231	0.861	-6.53	0.70559	none
USP17L15	0.03	-0.0115	0.2841	0.78237	0.861	-6.53	0.60174	none
PHEX	-0.049	-0.0542	-0.284	0.7824	0.861	-6.53	0.70016	none
FJX1	0.031	#####	0.2836	0.78273	0.861	-6.53	-0.523	none
TRAPPC5	-0.057	-0.1026	-0.283	0.78282	0.861	-6.53	0.91268	none

PDCD1	0.03	0.1361	0.2832	0.78301	0.861	-6.53	0.88565	none
VPS28	0.111	0.0759	0.2832	0.78303	0.861	-6.53	1.20279	none
TIMM23	-0.037	-0.0819	-0.283	0.78314	0.861	-6.53	-0.2699	none
CYTH2	-0.021	-0.0284	-0.283	0.78349	0.862	-6.53	-0.1474	none
ODF1	-0.021	-0.0371	-0.283	0.78351	0.862	-6.53	0.54121	none
EHHADH	0.045	0.09	0.2815	0.78425	0.863	-6.53	0.11335	none
MTRR	0.071	0.0653	0.2815	0.78426	0.863	-6.53	0.71415	none
RNF126	-0.024	0.0145	-0.281	0.7847	0.863	-6.53	0.14672	none
IER2	-0.026	0.0322	-0.281	0.78472	0.863	-6.53	0.554	none
SAXO1	0.028	0.0306	0.2802	0.7852	0.863	-6.53	0.64061	none
TMEM216	0.045	-0.031	0.28	0.78537	0.863	-6.53	0.61567	none
MRGPRG	-0.023	#####	-0.28	0.7854	0.863	-6.53	0.71676	none
MIPEP	0.035	0.0252	0.2794	0.78584	0.864	-6.53	1.02119	none
C11ORF24	-0.034	0.0231	-0.279	0.7859	0.864	-6.53	1.38628	none
LGALSL	0.057	0.0577	0.2791	0.78604	0.864	-6.53	0.48943	none
ATP2C2	0.034	0.0286	0.279	0.78614	0.864	-6.53	-0.5282	none
ALDH1A3	0.047	0.0468	0.2789	0.78619	0.864	-6.53	0.58762	none
PDGFB	0.054	0.0279	0.2787	0.78638	0.864	-6.53	-0.1173	none
KRTAP5-7	0.021	0.0232	0.2787	0.78638	0.864	-6.53	-0.473	none
TSPAN12	-0.021	-0.0285	-0.279	0.78639	0.864	-6.53	-0.2205	none
WDR46	-0.042	0.0117	-0.278	0.78655	0.864	-6.53	0.49745	none
GTF2H4	-0.07	-0.1908	-0.278	0.78681	0.864	-6.53	0.76784	none
ZNF34	-0.05	0.0137	-0.278	0.78697	0.865	-6.53	1.32862	none
SACM1L	0.042	-0.002	0.2779	0.78697	0.865	-6.53	0.47179	none
RRAS	-0.037	0.0272	-0.278	0.78707	0.865	-6.53	0.35825	none
CHRM3	-0.065	-0.0577	-0.277	0.78779	0.865	-6.53	0.79636	none
KCNK9	0.025	0.054	0.2766	0.78793	0.865	-6.53	-0.4046	none
SLC6A9	-0.043	-0.0268	-0.276	0.78809	0.866	-6.53	0.12101	none
TNC	0.023	0.0118	0.2762	0.78824	0.866	-6.53	0.63819	none
VTCN1	-0.046	-0.0501	-0.276	0.78828	0.866	-6.53	1.15939	none
TMEM101	-0.051	-0.0924	-0.276	0.78836	0.866	-6.53	-0.2185	none
STC2	0.044	0.1424	0.2756	0.78865	0.866	-6.53	0.10148	none
TAB1	-0.05	0.0277	-0.275	0.78876	0.866	-6.53	1.20635	none
TMEM128	-0.051	-0.0912	-0.275	0.78889	0.866	-6.53	0.41265	none
CCNDBP1	0.031	-0.0592	0.2752	0.78899	0.866	-6.53	0.37025	none
LPAR1	-0.021	-0.0175	-0.275	0.78901	0.866	-6.53	0	none
DDX31	0.047	0.127	0.2749	0.78921	0.866	-6.53	1.15759	none
DDX50	-0.052	0.017	-0.274	0.78964	0.867	-6.53	1.2618	none
TM4SF1	-0.03	-0.0242	-0.274	0.78965	0.867	-6.53	-0.4265	none
DAGLA	0.02	0.0142	0.2742	0.78972	0.867	-6.53	0	none

SPATA19	-0.035	-0.0337	-0.274	0.79	0.867	-6.53	-0.3287	none
PUF60	-0.051	0.0215	-0.274	0.79014	0.867	-6.53	0.74296	none
CYP26C1	0.019	0.0314	0.2736	0.79015	0.867	-6.53	0	none
SIRT6	0.026	0.0515	0.2735	0.79022	0.867	-6.53	0.55689	none
PCDHGC3	0.069	0.1303	0.2735	0.79025	0.867	-6.53	1.00022	none
GPR42	-0.02	-0.0251	-0.273	0.7903	0.867	-6.53	0	none
CA10	-0.058	-0.0917	-0.273	0.79051	0.867	-6.53	1.32825	none
ZNF428	0.04	0.0565	0.2728	0.79078	0.867	-6.53	-0.0461	none
BSG	-0.028	-0.0035	-0.272	0.79118	0.868	-6.53	0.10885	none
WDR13	0.046	-0.0042	0.2721	0.79126	0.868	-6.53	-0.2444	none
DTYMK	-0.034	-0.0405	-0.272	0.79138	0.868	-6.53	-0.1511	none
PIGF	-0.064	-0.1603	-0.272	0.79153	0.868	-6.53	1.20935	none
LYPLA1	0.037	-0.0833	0.2717	0.79155	0.868	-6.53	-0.0782	none
C16ORF86	-0.039	-0.0454	-0.272	0.79155	0.868	-6.53	1.05208	none
AGGF1	0.062	0.1832	0.2711	0.79202	0.868	-6.53	1.46447	none
MBOAT4	-0.034	-0.0322	-0.271	0.79208	0.868	-6.53	0.78176	none
MRPL22	0.035	-0.0054	0.2705	0.79244	0.869	-6.53	-0.5976	none
TRAPPC10	-0.04	-0.0207	-0.27	0.79304	0.869	-6.53	0.50129	none
TMEM176	0.03	0.0649	0.2691	0.79348	0.87	-6.53	0.56927	none
ADA	-0.023	-0.0373	-0.269	0.7935	0.87	-6.53	0.16921	none
CXCL14	0.04	0.0099	0.2688	0.79371	0.87	-6.53	1.06326	none
GMPS	0.038	0.0533	0.2683	0.79409	0.87	-6.53	0.94204	none
FAM229B	0.054	-0.0616	0.2683	0.79411	0.87	-6.53	-0.2452	none
HLA-DPB1	0.062	-0.0135	0.2682	0.7942	0.87	-6.53	-0.0833	none
SEMA4A	-0.04	0.0457	-0.268	0.79425	0.87	-6.53	0.19234	none
PLAC9	0.049	0.1658	0.268	0.79437	0.87	-6.53	0.97637	none
SYT4	-0.025	0.0157	-0.268	0.7946	0.87	-6.53	-0.03	none
ECI1	-0.034	-0.0358	-0.268	0.79461	0.87	-6.53	0.17726	none
TLX2	-0.036	-0.0579	-0.267	0.79513	0.871	-6.53	0.26715	none
MPHOSPH	-0.044	-0.1136	-0.267	0.79515	0.871	-6.53	-0.0725	none
FAM167A	0.022	0.0433	0.2661	0.79574	0.872	-6.54	0.65695	none
RNASE11	-0.021	-0.0209	-0.266	0.79601	0.872	-6.54	0.65623	none
PLA2G2E	0.02	0.0116	0.2656	0.79613	0.872	-6.54	1.20093	none
FMO2	0.018	0.0269	0.2655	0.79618	0.872	-6.54	1.35013	none
KIF13A	-0.026	-0.0293	-0.265	0.79636	0.872	-6.54	0.33495	none
KIAA0232	-0.065	0.075	-0.265	0.7964	0.872	-6.54	0.0562	none
ZNF671	0.024	0.0283	0.2652	0.79641	0.872	-6.54	1.37969	none
RAB39B	-0.035	-0.0101	-0.265	0.79642	0.872	-6.54	1.08212	none
THAP7	0.026	0.0375	0.265	0.79659	0.872	-6.54	0.93986	none
ADAM19	-0.06	0.0804	-0.265	0.79666	0.872	-6.54	-0.0325	none

HOXD8	0.02	0.0357	0.2645	0.79697	0.872	-6.54	0.09219	none
LRP8	-0.046	0.109	-0.264	0.79702	0.872	-6.54	1.09731	none
DIO1	-0.038	0.0162	-0.264	0.79725	0.872	-6.54	1.58829	none
MAP7D2	0.033	0.0132	0.2641	0.79726	0.872	-6.54	1.47622	none
PLA2G12A	-0.042	-0.029	-0.264	0.79747	0.873	-6.54	1.51256	none
CCDC80	0.031	0.017	0.2636	0.79761	0.873	-6.54	0.02518	none
TLR6	-0.05	-0.0752	-0.263	0.79776	0.873	-6.54	-0.129	none
FO538757	0.05	0.0661	0.2634	0.79778	0.873	-6.54	0.36403	none
GNGT1	0.023	0.0052	0.2631	0.79801	0.873	-6.54	1.57739	none
MPO	0.067	0.1121	0.263	0.79805	0.873	-6.54	0.15628	none
UHRF2	-0.021	-0.0236	-0.263	0.7981	0.873	-6.54	0.30517	none
CHTF8	-0.026	-0.0369	-0.263	0.7981	0.873	-6.54	1.65356	none
ALYREF	-0.035	#####	-0.263	0.79819	0.873	-6.54	1.29476	none
SNX4	-0.025	-0.0629	-0.263	0.79822	0.873	-6.54	-0.4303	none
OGFOD3	0.033	0.0134	0.2626	0.79836	0.873	-6.54	1.48365	none
DDX46	0.08	0.2075	0.2624	0.7985	0.873	-6.54	0.21036	none
PATE3	-0.021	-0.0206	-0.262	0.79862	0.873	-6.54	1.81003	none
AL592183	-0.129	-0.2012	-0.262	0.79868	0.873	-6.54	1.71067	none
USP21	0.034	0.0109	0.2621	0.79877	0.873	-6.54	-0.3127	none
KIAA1522	0.021	0.0338	0.2619	0.79891	0.873	-6.54	0.86356	none
CKMT1A	-0.03	-0.0428	-0.261	0.79946	0.874	-6.54	-0.8316	none
RAP2C	-0.049	-0.0875	-0.261	0.79961	0.874	-6.54	0.14359	none
PPME1	0.018	0.014	0.2609	0.79962	0.874	-6.54	1.09734	none
RNASE2	-0.028	-0.0301	-0.26	0.80008	0.874	-6.54	-0.2729	none
PLEKHJ1	0.031	0.0176	0.2602	0.80016	0.874	-6.54	0.71952	none
RARB	0.027	0.0353	0.26	0.80029	0.875	-6.54	1.36669	none
CD58	-0.034	-0.1191	-0.26	0.80042	0.875	-6.54	0.27948	none
TDRD7	-0.031	0.0307	-0.26	0.80049	0.875	-6.54	1.33159	none
OPN4	-0.016	0.0063	-0.26	0.80059	0.875	-6.54	0	none
MELTF	0.034	0.0028	0.2596	0.80059	0.875	-6.54	1.36103	none
SERINC2	-0.022	-0.0513	-0.259	0.80079	0.875	-6.54	-0.1651	none
NDFIP2	0.049	-0.0248	0.259	0.80107	0.875	-6.54	0.71623	none
MRC1	0.021	0.061	0.2583	0.80157	0.875	-6.54	0.66049	none
TMEM251	-0.052	-0.0901	-0.258	0.80178	0.876	-6.54	1.04185	none
HS3ST1	0.035	0.0018	0.258	0.80179	0.876	-6.54	-0.6428	none
STXBP6	-0.02	-0.0066	-0.258	0.80186	0.876	-6.54	-0.2193	none
ITCH	-0.101	0.0708	-0.258	0.80201	0.876	-6.54	1.05186	none
PUSL1	-0.032	-0.0701	-0.257	0.80263	0.876	-6.54	1.23767	none
CMTM7	-0.037	-0.1019	-0.257	0.80265	0.876	-6.54	0.43987	none
HOXD13	-0.019	-0.0181	-0.256	0.80303	0.877	-6.54	1.32223	none

COG2	0.047	0.0675	0.2562	0.80317	0.877	-6.54	0.9926	none
AZIN1	0.03	-0.0741	0.2562	0.80318	0.877	-6.54	1.21415	none
ARMC12	-0.019	-0.001	-0.256	0.80335	0.877	-6.54	-0.467	none
CHRD	0.031	0.0684	0.2559	0.80339	0.877	-6.54	0.10295	none
RWDD3	-0.03	-0.1447	-0.256	0.80344	0.877	-6.54	-0.0078	none
RAP1GDS1	-0.029	-0.022	-0.255	0.80401	0.877	-6.54	1.47282	none
TKTL2	0.018	0.0181	0.2548	0.80423	0.878	-6.54	0	none
UPK3A	0.025	0.025	0.2543	0.80461	0.878	-6.54	-0.0099	none
OR52E4	0.018	0.0138	0.2543	0.80463	0.878	-6.54	0.95298	none
COMMD9	0.035	-0.0325	0.2541	0.80475	0.878	-6.54	-0.0914	none
TAS2R3	0.017	0.0415	0.2539	0.80486	0.878	-6.54	-0.4095	none
XAB2	-0.039	0.0832	-0.254	0.80489	0.878	-6.54	1.24812	none
MAG	0.04	0.0359	0.2538	0.80498	0.878	-6.54	0.61175	none
STK19	0.097	0.2097	0.2536	0.80509	0.878	-6.54	0.87516	none
TRABD2B	0.042	0.0449	0.2534	0.80528	0.878	-6.54	1.29537	none
SNRPA	-0.05	-0.1	-0.253	0.8054	0.878	-6.54	-0.2875	none
CDCA3	0.022	-0.0165	0.2532	0.80545	0.878	-6.54	0.23904	none
ESRRA	-0.023	0.0316	-0.253	0.80554	0.878	-6.54	0.31464	none
CDK7	-0.104	-0.2116	-0.253	0.80555	0.878	-6.54	0.35631	none
HSP90AA1	0.085	0.2428	0.2527	0.80577	0.879	-6.54	0.36081	none
SP9	-0.018	-0.0176	-0.253	0.80588	0.879	-6.54	0	none
AMY2B	0.055	0.0838	0.2526	0.80589	0.879	-6.54	0.52729	none
MUC4	0.02	0.0258	0.2523	0.80608	0.879	-6.54	1.50705	none
ZNF852	0.023	0.0678	0.2519	0.80639	0.879	-6.54	0.97607	none
CD1C	-0.02	-0.0246	-0.252	0.80646	0.879	-6.54	1.57816	none
C2ORF40	-0.043	-0.0484	-0.251	0.8068	0.879	-6.54	0.85943	none
SOHLH1	-0.022	-0.0122	-0.251	0.80683	0.879	-6.54	1.97996	none
DGCR6L	-0.036	-0.0669	-0.251	0.80696	0.879	-6.54	0.34345	none
PSMC3	-0.034	0.0529	-0.251	0.80711	0.879	-6.54	-0.2313	none
CTDSP2	0.022	0.0175	0.2509	0.80713	0.879	-6.54	0.49606	none
EDEM2	-0.024	-0.0472	-0.251	0.80719	0.879	-6.54	0.1106	none
PTDSS2	0.06	0.0154	0.2507	0.8073	0.88	-6.54	-0.9334	none
DRC1	0.042	0.0511	0.2506	0.8074	0.88	-6.54	1.22983	none
PCIF1	0.023	0.0733	0.2505	0.80745	0.88	-6.54	-0.1979	none
HYPK	0.045	0.0363	0.2504	0.80753	0.88	-6.54	0.144	none
C11ORF16	0.057	-0.0419	0.2503	0.80759	0.88	-6.54	-0.1377	none
TMEM99	0.053	-0.1069	0.2499	0.8079	0.88	-6.54	0.68859	none
MGAT2	-0.031	-0.044	-0.25	0.80799	0.88	-6.54	1.07672	none
ADGRB2	-0.021	0.0056	-0.249	0.80831	0.88	-6.54	-0.0942	none
HMX2	0.017	0.0218	0.2492	0.80841	0.88	-6.54	0	none

ZNF628	0.057	0.0733	0.2487	0.80884	0.881	-6.54	0.29985	none
CENPVL3	-0.016	-0.0103	-0.248	0.80909	0.881	-6.54	-0.3239	none
PTOV1	-0.023	0.0561	-0.248	0.80944	0.881	-6.54	0.49319	none
SNX9	-0.054	0.1004	-0.248	0.8095	0.881	-6.54	0.67332	none
DPPA3	-0.018	#####	-0.248	0.80958	0.881	-6.54	2.00441	none
ZC3H15	-0.041	0.0497	-0.248	0.80963	0.881	-6.54	1.43719	none
MKRN2	-0.023	-0.0541	-0.248	0.80967	0.881	-6.54	0.24898	none
FAM234A	0.055	0.1313	0.2467	0.81027	0.882	-6.54	0.70792	none
PNPLA5	0.025	0.0396	0.2467	0.8103	0.882	-6.54	0.88042	none
EMID1	0.037	0.0231	0.2462	0.81067	0.882	-6.54	0.66061	none
CDKN1A	0.027	0.0364	0.246	0.8108	0.882	-6.54	0.36949	none
CYP11B2	-0.018	-0.0185	-0.246	0.81081	0.882	-6.54	0	none
RAB7B	-0.019	-0.0181	-0.246	0.81089	0.882	-6.54	-0.5811	none
CPXM1	-0.025	0.0425	-0.246	0.81112	0.882	-6.54	0.44792	none
GSTM4	-0.034	-0.0262	-0.245	0.81124	0.883	-6.54	1.42489	none
VPS51	-0.019	-0.0174	-0.245	0.81127	0.883	-6.54	1.10862	none
ABHD17C	-0.034	-0.0229	-0.245	0.81144	0.883	-6.54	0.58268	none
AP1M1	-0.032	-0.053	-0.245	0.8116	0.883	-6.54	0.93808	none
RIMBP3B	-0.017	-0.0125	-0.245	0.81173	0.883	-6.54	1.53579	none
PCDHB3	-0.018	-0.018	-0.244	0.81196	0.883	-6.54	0	none
SLN	-0.024	-0.0318	-0.244	0.81208	0.883	-6.54	-0.4182	none
TP53TG3	-0.018	-0.0156	-0.244	0.8123	0.883	-6.54	0.55338	none
B3GNT7	0.022	0.0138	0.2438	0.81248	0.883	-6.54	-0.6161	none
ZBTB14	0.048	0.1413	0.2437	0.81253	0.883	-6.54	1.1456	none
GRIN3B	-0.017	-0.0051	-0.243	0.81296	0.884	-6.54	-0.1524	none
RNF34	-0.02	-0.0414	-0.243	0.81309	0.884	-6.54	-0.3299	none
CERS6	-0.017	0.0156	-0.243	0.81309	0.884	-6.54	0.89264	none
APBA3	0.025	0.01	0.243	0.8131	0.884	-6.54	0.66435	none
TM9SF2	-0.031	-0.0847	-0.243	0.81315	0.884	-6.54	1.22231	none
CLPP	-0.03	-0.0675	-0.243	0.81334	0.884	-6.54	1.16083	none
RNF225	-0.023	-0.0234	-0.243	0.81342	0.884	-6.54	-0.238	none
PALMD	0.024	0.0232	0.2425	0.81345	0.884	-6.54	0.17205	none
FAM9A	0.018	0.0228	0.2425	0.81347	0.884	-6.54	1.15748	none
FAM43A	0.034	-0.0021	0.2423	0.81362	0.884	-6.54	-0.231	none
FNIP2	0.049	0.1452	0.2423	0.81365	0.884	-6.54	-0.079	none
FIP1L1	0.038	0.1265	0.2421	0.81378	0.884	-6.54	1.27353	none
CSRP3	0.024	0.0306	0.241	0.81462	0.885	-6.54	0.50094	none
STX1A	0.06	0.2055	0.241	0.81463	0.885	-6.54	0.92737	none
EFEMP1	0.024	0.0257	0.2403	0.81513	0.885	-6.54	1.56461	none
LFNG	-0.036	-0.043	-0.24	0.81548	0.886	-6.54	-0.131	none



HIST1H4D	0.042	-0.1228	0.2398	0.81552	0.886	-6.54	0.36302	none
PATZ1	0.025	0.1053	0.2396	0.81564	0.886	-6.54	0.59899	none
NCF4	-0.029	-0.0776	-0.239	0.81584	0.886	-6.54	1.49284	none
PLA2G4A	0.023	#####	0.2392	0.81595	0.886	-6.54	0.95701	none
CORO2B	-0.017	0.0121	-0.239	0.81603	0.886	-6.54	0.27855	none
C2ORF76	0.065	-0.0351	0.239	0.8161	0.886	-6.54	0.59691	none
TMEM200	-0.018	-0.0266	-0.239	0.81617	0.886	-6.54	1.47	none
ADRA1D	-0.017	-0.0039	-0.239	0.8162	0.886	-6.54	1.73185	none
SPAG11A	0.018	0.0185	0.2387	0.8163	0.886	-6.54	0	none
MST1	-0.052	0.1115	-0.239	0.81644	0.886	-6.54	1.7826	none
MCRIP2	0.03	0.0169	0.2382	0.81674	0.886	-6.54	1.57912	none
NIN	0.066	0.1892	0.2378	0.81697	0.887	-6.54	0.2731	none
SYS1-DBNI	0.041	0.059	0.2378	0.817	0.887	-6.54	1.62907	none
ADAMTS3	0.016	0.0104	0.2377	0.81705	0.887	-6.54	0.74034	none
SNX12	0.052	-0.0644	0.2377	0.81706	0.887	-6.54	0.53269	none
ADCK2	0.036	-0.0207	0.2375	0.81725	0.887	-6.54	0.33438	none
CLIC6	-0.016	-0.0021	-0.237	0.8175	0.887	-6.54	0	none
HIRIP3	0.023	0.1062	0.237	0.8176	0.887	-6.54	-0.1405	none
RASA1	0.026	0.0425	0.2368	0.81774	0.887	-6.54	0.48449	none
KLHL25	0.02	0.0601	0.2368	0.81779	0.887	-6.54	1.41135	none
GJC2	-0.017	0.0048	-0.236	0.8183	0.888	-6.54	-0.1024	none
RNF11	0.032	-0.0217	0.236	0.81835	0.888	-6.54	1.75381	none
BIRC5	0.032	-0.0705	0.236	0.8184	0.888	-6.54	-0.1243	none
THAP10	-0.017	-0.0167	-0.236	0.8185	0.888	-6.54	0	none
SLC20A2	-0.025	0.0346	-0.236	0.81856	0.888	-6.54	0.45781	none
COIL	-0.03	0.0195	-0.236	0.81856	0.888	-6.54	0.33608	none
RIN2	-0.028	-0.0209	-0.236	0.81864	0.888	-6.54	0.58323	none
FCRL5	0.016	0.0289	0.2355	0.81874	0.888	-6.54	0.24864	none
C4ORF48	-0.065	-0.0402	-0.235	0.81944	0.888	-6.54	0.82792	none
CXCR3	0.024	0.0175	0.2339	0.81993	0.889	-6.54	0.2112	none
KRR1	-0.046	0.0498	-0.234	0.82012	0.889	-6.54	0.83273	none
CCDC192	-0.089	-0.0476	-0.232	0.82104	0.89	-6.54	0.31255	none
KRT79	-0.026	-0.0241	-0.232	0.82108	0.89	-6.54	1.75143	none
OR10P1	0.03	0.0289	0.2324	0.82109	0.89	-6.54	1.01309	none
ATP6V1C2	-0.035	0.002	-0.232	0.82111	0.89	-6.54	0.24237	none
FAM57A	-0.043	-0.0033	-0.232	0.82125	0.89	-6.54	0.94187	none
ZFYVE27	-0.028	0.0377	-0.232	0.82134	0.89	-6.54	0.40891	none
SNX10	-0.023	-0.0269	-0.232	0.82138	0.89	-6.54	1.72062	none
ST14	0.02	0.042	0.2316	0.82166	0.89	-6.54	0.21232	none
COMMD2	0.027	-0.0577	0.2313	0.82189	0.89	-6.54	0.22496	none

EVPLL	0.024	0.0277	0.2308	0.82229	0.891	-6.54	0.99277	none
DOC2B	0.021	0.0064	0.2307	0.82239	0.891	-6.54	0.10109	none
DGAT2	-0.027	-0.0117	-0.23	0.82253	0.891	-6.54	0.86417	none
GARS	-0.034	0.029	-0.23	0.82259	0.891	-6.54	1.49613	none
DDX28	-0.024	-0.037	-0.23	0.82325	0.891	-6.54	1.24879	none
POLR3H	-0.026	-0.0033	-0.23	0.82326	0.891	-6.54	0.62753	none
GSK3A	0.041	0.0553	0.2294	0.82337	0.891	-6.54	0.91415	none
ZMYND12	-0.054	-0.0591	-0.229	0.8234	0.891	-6.54	1.67663	none
SPRTN	-0.04	-0.0103	-0.229	0.82342	0.891	-6.54	1.39567	none
SLC46A3	-0.027	-0.0956	-0.229	0.82344	0.891	-6.54	0.89464	none
PDCD2	-0.03	-0.0794	-0.229	0.82353	0.892	-6.54	1.41465	none
BRSK1	-0.039	-0.0501	-0.229	0.8236	0.892	-6.54	0.18812	none
SPRYD3	0.031	0.0194	0.2289	0.82369	0.892	-6.54	0.93114	none
TIGD4	-0.016	-0.0019	-0.229	0.82376	0.892	-6.54	0.37369	none
CDCP1	-0.029	-0.0328	-0.229	0.82384	0.892	-6.54	0.90344	none
ZACN	-0.033	-0.0374	-0.229	0.82385	0.892	-6.55	0.66419	none
POLR2H	-0.038	-0.1389	-0.229	0.82392	0.892	-6.55	0.42979	none
TRIM23	0.047	0.0109	0.2286	0.82395	0.892	-6.55	1.54232	none
PCDHGA4	-0.021	-0.0216	-0.228	0.82416	0.892	-6.55	1.53809	none
ZNF512	0.025	0.0457	0.2282	0.82423	0.892	-6.55	-0.4553	none
ADPRH	-0.028	-0.0526	-0.228	0.82447	0.892	-6.55	0.11832	none
APLN	0.015	0.0124	0.2277	0.82463	0.892	-6.55	0.82875	none
CCL4L2	-0.029	0.0437	-0.228	0.82463	0.892	-6.55	0.97611	none
WNT5B	-0.02	#####	-0.228	0.82475	0.892	-6.55	-0.1579	none
NSDHL	-0.018	-0.0344	-0.227	0.82481	0.892	-6.55	-0.5599	none
ZNF581	-0.028	-0.0883	-0.227	0.82481	0.892	-6.55	1.45458	none
CLIP4	0.044	-0.079	0.2274	0.82484	0.892	-6.55	-0.2918	none
BAALC	-0.024	#####	-0.227	0.82515	0.892	-6.55	-0.0539	none
NR1H4	-0.033	0.0159	-0.227	0.82524	0.892	-6.55	0.89971	none
ZDHHC2	-0.037	-0.0602	-0.227	0.82543	0.893	-6.55	0.46172	none
ILKAP	0.025	#####	0.2263	0.82569	0.893	-6.55	1.06349	none
SEC14L2	0.047	0.0806	0.2262	0.82578	0.893	-6.55	0.72697	none
LAYN	-0.037	-0.0306	-0.226	0.82594	0.893	-6.55	1.12291	none
ADRA2B	-0.016	-0.0047	-0.226	0.82609	0.893	-6.55	0	none
ASCL2	0.02	0.0613	0.2257	0.82612	0.893	-6.55	0.03152	none
ABCC11	-0.031	-0.0222	-0.226	0.82614	0.893	-6.55	1.40429	none
THAP11	-0.02	-0.0064	-0.226	0.82617	0.893	-6.55	2.12486	AA-related
MAML3	-0.026	-0.0134	-0.226	0.82624	0.893	-6.55	0.77691	none
HTR3D	0.019	0.0377	0.2253	0.82647	0.893	-6.55	0.38278	none
LRRC8C	-0.032	0.0017	-0.225	0.82649	0.893	-6.55	1.3156	none

HOXB4	-0.021	0.0023	-0.225	0.82668	0.893	-6.55	1.09163	none
ANKRD49	-0.034	-0.102	-0.225	0.82689	0.893	-6.55	-0.1435	none
ARRDC2	-0.025	0.054	-0.224	0.82705	0.894	-6.55	1.00931	none
CDCA2	0.062	0.2015	0.2244	0.82713	0.894	-6.55	0.7098	none
HIST2H4A	0.065	0.0468	0.2243	0.82723	0.894	-6.55	0.18825	none
IL31	0.029	0.0883	0.2242	0.82725	0.894	-6.55	1.21639	none
FPGS	0.027	-0.0025	0.2239	0.82749	0.894	-6.55	0.72165	none
HELT	-0.018	-0.018	-0.224	0.82751	0.894	-6.55	1.29038	none
CD46	-0.028	-0.0162	-0.224	0.82758	0.894	-6.55	1.68011	none
RABEPK	0.031	-0.0484	0.2235	0.82779	0.894	-6.55	-0.0871	none
C1QL1	-0.015	-0.0104	-0.223	0.82781	0.894	-6.55	0.85138	none
ADGRG7	0.016	0.0302	0.2232	0.82803	0.894	-6.55	0.10208	none
KHNYN	0.035	0.1354	0.2232	0.82806	0.894	-6.55	-0.1302	none
PHF10	0.033	0.0663	0.223	0.82818	0.894	-6.55	0.93158	none
SHISA3	0.022	-0.0096	0.223	0.82818	0.894	-6.55	0.51721	none
ATP7B	-0.034	-0.0159	-0.223	0.82831	0.894	-6.55	-0.2021	none
ACVR1B	-0.024	0.071	-0.223	0.82832	0.894	-6.55	0.44044	none
HCAR2	-0.017	-0.0117	-0.223	0.82835	0.894	-6.55	0	none
POPDC2	-0.044	-0.0053	-0.223	0.82849	0.894	-6.55	1.00427	none
IDUA	-0.056	-0.0744	-0.223	0.82852	0.894	-6.55	-0.0172	none
ARMCX2	0.047	0.1283	0.2225	0.82856	0.894	-6.55	0.71405	none
PCDHGB3	-0.015	-0.014	-0.222	0.82864	0.894	-6.55	1.39984	none
PGRMC1	0.025	-0.0122	0.2223	0.8287	0.894	-6.55	0.75014	none
AMH	0.023	0.0297	0.2222	0.82875	0.894	-6.55	0.62502	none
KLHL4	-0.015	0.002	-0.222	0.82901	0.894	-6.55	0.34122	none
LIMS3	-0.052	-0.1098	-0.222	0.82911	0.894	-6.55	-0.5151	none
ALKBH7	0.044	-0.0546	0.2216	0.82926	0.895	-6.55	0.42136	none
VPS26B	-0.03	-0.0289	-0.221	0.82938	0.895	-6.55	-0.0974	none
FBXO4	-0.054	-0.0647	-0.221	0.82946	0.895	-6.55	0.93927	none
FAM180B	0.019	0.0203	0.2212	0.82952	0.895	-6.55	0.2135	none
DPH6	-0.053	-0.2141	-0.221	0.82961	0.895	-6.55	-0.1007	none
LVRN	0.028	0.022	0.2211	0.82962	0.895	-6.55	0.65512	none
LUZP6	-0.061	-0.1392	-0.221	0.82989	0.895	-6.55	-0.3736	none
PLAG1	0.029	0.0213	0.2207	0.82993	0.895	-6.55	0.29897	none
SOCS6	-0.024	-0.024	-0.22	0.83018	0.895	-6.55	0.52856	none
BTF3L4	-0.04	-0.1456	-0.22	0.83025	0.895	-6.55	1.05518	none
FOXA2	-0.016	-0.0161	-0.22	0.83031	0.895	-6.55	0	none
ZAR1L	0.017	0.0132	0.2198	0.83063	0.895	-6.55	1.60832	none
SLC5A9	0.016	0.0181	0.2196	0.83075	0.895	-6.55	-0.3929	none
PRODH2	-0.03	0.0381	-0.22	0.83076	0.895	-6.55	0.11013	none

SLC26A9	-0.024	-0.0234	-0.22	0.83077	0.895	-6.55	-0.5473	none
RBBP8NL	0.017	0.0161	0.2195	0.83083	0.895	-6.55	0.19303	none
NECAB1	-0.016	-0.0065	-0.219	0.83095	0.895	-6.55	-0.1415	none
C4ORF50	0.014	0.0317	0.2192	0.83102	0.895	-6.55	0.53253	none
PRG2	-0.024	0.0107	-0.219	0.83108	0.895	-6.55	0.13637	none
GDE1	-0.024	-0.0465	-0.219	0.83128	0.896	-6.55	1.3436	none
ZFPM1	0.048	0.1505	0.2186	0.8315	0.896	-6.55	0.39836	none
DAZL	-0.017	-0.0328	-0.219	0.83159	0.896	-6.55	1.38822	none
CLCA4	-0.042	-0.0416	-0.218	0.8316	0.896	-6.55	1.6425	none
MID2	0.042	-0.0045	0.2184	0.83166	0.896	-6.55	0.58471	none
MAP2K5	-0.032	-0.0548	-0.218	0.83179	0.896	-6.55	0.98151	none
PSTPIP1	0.023	0.0563	0.2181	0.8319	0.896	-6.55	-0.1984	none
RRAD	0.038	0.0397	0.2177	0.83219	0.896	-6.55	0.34531	none
SRC	-0.032	0.0571	-0.217	0.83235	0.896	-6.55	0.80507	none
PGBD2	0.023	0.0036	0.2171	0.83268	0.897	-6.55	-0.1088	none
TDRD10	0.045	0.0834	0.2169	0.83282	0.897	-6.55	0.68844	none
FAM114A	-0.039	-0.0142	-0.217	0.83296	0.897	-6.55	-0.1643	none
PITPNC1	0.035	0.0835	0.2166	0.83302	0.897	-6.55	1.25275	none
DLL4	-0.017	-0.0166	-0.216	0.83316	0.897	-6.55	0.32708	none
DBNL	0.019	0.0352	0.2163	0.83329	0.897	-6.55	0.0707	none
STARD3	-0.033	-0.0628	-0.216	0.83357	0.897	-6.55	0.40101	none
RPRM	-0.018	-0.0058	-0.216	0.83361	0.897	-6.55	1.08454	none
LRRC4	-0.031	0.0079	-0.216	0.83361	0.897	-6.55	0.42983	none
HES6	-0.069	-0.0087	-0.216	0.83364	0.897	-6.55	0.98427	none
RCAN2	-0.024	-0.0692	-0.216	0.83368	0.897	-6.55	0.38226	none
MS4A1	0.036	0.0351	0.2156	0.83377	0.897	-6.55	0.93998	none
AAMP	-0.021	0.0061	-0.215	0.83396	0.897	-6.55	-0.0408	none
LGALS2	-0.033	-0.0326	-0.215	0.83403	0.897	-6.55	-0.4829	none
POLR1C	0.02	-0.0168	0.2152	0.83411	0.897	-6.55	-0.2111	none
HIST2H3P5	0.02	0.0375	0.2151	0.83416	0.897	-6.55	0.7396	none
KLK3	0.016	0.0157	0.215	0.83426	0.897	-6.55	1.53512	none
IL36B	0.018	0.0219	0.2148	0.83438	0.897	-6.55	-0.089	none
BUB1B-PA	0.015	#####	0.2146	0.83451	0.898	-6.55	-0.4229	none
GSDMD	-0.029	-0.0664	-0.214	0.83487	0.898	-6.55	1.34883	none
ZNF181	-0.036	0.0677	-0.214	0.83495	0.898	-6.55	1.43907	none
NUDT22	0.032	-0.0421	0.214	0.83501	0.898	-6.55	0.40103	none
TAF12	0.026	-0.0063	0.2139	0.83505	0.898	-6.55	1.13843	none
PRMT5	-0.027	-0.0338	-0.214	0.83525	0.898	-6.55	1.09121	none
GPT	-0.021	-0.012	-0.213	0.83543	0.898	-6.55	0.70926	none
RASD2	-0.016	-0.0042	-0.213	0.8357	0.898	-6.55	0	none

SLC9A3R1	0.022	0.0611	0.2131	0.83571	0.898	-6.55	-0.0235	none
RGS14	0.025	0.0744	0.2126	0.83603	0.899	-6.55	0.97308	none
ARMC7	-0.026	0.0216	-0.212	0.83614	0.899	-6.55	1.48761	none
RGL3	-0.053	0.0731	-0.212	0.8362	0.899	-6.55	1.5866	none
TATDN2	0.034	0.1522	0.2124	0.8362	0.899	-6.55	1.63721	none
H2AFY2	0.028	0.0652	0.2123	0.83629	0.899	-6.55	0.75467	none
MESP2	-0.041	-0.0301	-0.212	0.83651	0.899	-6.55	1.95993	none
FAM49A	0.027	0.017	0.2118	0.83667	0.899	-6.55	1.25174	none
NME3	0.034	-0.0028	0.2117	0.83673	0.899	-6.55	1.14908	none
CELF6	-0.02	-0.0093	-0.211	0.83698	0.899	-6.55	1.01496	none
HSPG2	0.026	0.0703	0.2114	0.83701	0.899	-6.55	1.39957	none
POLR3D	0.04	0.1609	0.2112	0.83713	0.899	-6.55	0.804	none
TCN2	-0.025	#####	-0.211	0.8372	0.899	-6.55	-0.553	none
AK2	-0.014	0.0097	-0.211	0.83738	0.899	-6.55	0.2127	none
OXSM	0.031	-0.032	0.2107	0.83751	0.9	-6.55	0.36404	none
PAX9	-0.02	0.0384	-0.21	0.83782	0.9	-6.55	1.14585	none
TRAPPC6B	0.036	-0.075	0.2103	0.83784	0.9	-6.55	1.25559	none
MB21D2	-0.022	-0.0525	-0.21	0.83788	0.9	-6.55	1.0547	none
ETV7	-0.018	-0.0274	-0.21	0.83798	0.9	-6.55	0.24434	none
GSTM3	-0.049	-0.1338	-0.21	0.83802	0.9	-6.55	1.16595	none
CDCP2	0.014	0.0218	0.21	0.83804	0.9	-6.55	-0.2615	none
CCDC3	0.016	0.0286	0.21	0.83804	0.9	-6.55	0.49628	none
RBP4	-0.023	-0.0417	-0.21	0.83813	0.9	-6.55	0.35894	none
VSIG10L	0.024	0.0865	0.2094	0.83845	0.9	-6.55	0.45968	none
SLC22A5	-0.018	-0.0941	-0.209	0.8385	0.9	-6.55	-0.4183	none
DYNLL2	-0.022	0.0178	-0.209	0.8385	0.9	-6.55	0.53457	none
ZDHHC15	-0.03	-0.0376	-0.209	0.83868	0.9	-6.55	-0.3186	none
SAMSN1	-0.018	-0.1158	-0.209	0.8389	0.9	-6.55	-0.1534	none
KDM1A	-0.034	0.1378	-0.209	0.83897	0.9	-6.55	1.34593	none
RAB10	0.021	-0.0094	0.2088	0.83897	0.9	-6.55	-0.2186	none
ZFYVE19	0.036	0.0758	0.2085	0.83917	0.9	-6.55	1.10195	none
NELFB	-0.025	0.0403	-0.208	0.8392	0.9	-6.55	0.78426	none
CNOT9	-0.021	-0.039	-0.208	0.83922	0.9	-6.55	-0.5685	none
EGR4	-0.02	0.0244	-0.208	0.83929	0.9	-6.55	0.48579	none
FZD2	0.015	0.0243	0.208	0.83958	0.901	-6.55	1.00831	none
MRPS22	0.025	-0.0504	0.2075	0.83992	0.901	-6.55	0.4121	none
B4GALT7	0.027	0.0304	0.2071	0.8402	0.901	-6.55	0.09853	none
PTGDR	0.025	0.0384	0.2071	0.84022	0.901	-6.55	1.10733	none
NRARP	0.018	0.0271	0.207	0.84029	0.901	-6.55	0.68276	none
KCND1	0.025	0.0803	0.206	0.84105	0.902	-6.55	-0.0432	none

CFAP70	0.022	0.0108	0.206	0.84106	0.902	-6.55	1.58126	none
KCNK13	0.016	0.0207	0.2058	0.84126	0.902	-6.55	0.09648	none
RPP30	-0.025	-0.1117	-0.206	0.84137	0.902	-6.55	-0.0662	none
NEMP1	0.038	0.0407	0.2053	0.84162	0.902	-6.55	1.19771	none
BCL2L1	0.026	0.0386	0.205	0.84183	0.902	-6.55	0.11688	none
ARRDC1	-0.024	-0.0458	-0.205	0.84203	0.903	-6.55	1.5542	none
IZUMO4	0.059	-0.0027	0.2047	0.84205	0.903	-6.55	0.27504	none
INPP4B	0.048	0.055	0.2045	0.8422	0.903	-6.55	0.10445	none
TTC5	-0.021	-0.0538	-0.204	0.84225	0.903	-6.55	0.21427	none
ODF3L1	0.016	0.0291	0.2043	0.84235	0.903	-6.55	0.83781	none
PNMA5	-0.017	-0.0092	-0.204	0.8424	0.903	-6.55	0.13144	none
PAIP1	-0.025	-0.0353	-0.204	0.84245	0.903	-6.55	1.76816	none
WT1	0.025	0.0608	0.2041	0.84248	0.903	-6.55	0.50006	none
CYP4A11	-0.029	-0.0023	-0.204	0.84253	0.903	-6.55	1.84494	none
HDDC3	0.027	0.0068	0.2039	0.84264	0.903	-6.55	0.78846	none
CCL1	-0.054	-0.0884	-0.204	0.84266	0.903	-6.55	1.07795	none
P4HA1	-0.016	-0.0247	-0.203	0.84317	0.903	-6.55	1.47532	none
EGFLAM	-0.027	-0.0196	-0.203	0.8433	0.903	-6.55	-0.3533	none
HNRNPL	0.027	0.0767	0.2026	0.84362	0.904	-6.55	-0.3154	none
ANO1	0.035	0.0825	0.2025	0.84377	0.904	-6.55	1.13295	none
QRFR	0.016	0.0173	0.202	0.84411	0.904	-6.55	-0.2748	none
LYNX1	0.029	0.0393	0.2019	0.84417	0.904	-6.55	-0.4568	none
EFCAB13	0.023	0.0078	0.2018	0.84427	0.904	-6.55	0.77566	none
AMD1	0.021	-0.0799	0.2017	0.84432	0.904	-6.55	0.05874	none
PLA2G4F	-0.041	-0.0738	-0.202	0.84439	0.904	-6.55	0.37441	none
SETMAR	0.03	0.0571	0.2009	0.84496	0.905	-6.55	0.82855	none
SYT16	0.037	0.0103	0.2007	0.84511	0.905	-6.55	0.24544	none
SCAP	0.027	0.0998	0.2003	0.8454	0.905	-6.55	0.83806	none
PLAGL2	0.02	0.093	0.2	0.84562	0.905	-6.55	0.75028	none
LIN37	-0.027	0.0106	-0.199	0.84602	0.905	-6.55	0.08439	none
RAB31	0.032	-0.018	0.1985	0.84677	0.906	-6.55	0.54753	none
SH2D2A	-0.018	0.0722	-0.198	0.84698	0.906	-6.55	0.53993	none
XKRX	0.017	-0.0132	0.1982	0.847	0.906	-6.55	0.11541	none
FITM1	0.014	0.0356	0.1982	0.84702	0.906	-6.55	1.64608	none
PCDHA1	0.014	0.0268	0.1981	0.84704	0.906	-6.55	0	none
DEFB129	-0.022	-0.0218	-0.198	0.84712	0.906	-6.55	1.19411	none
SLC16A3	-0.026	-0.025	-0.198	0.84725	0.906	-6.55	0.70894	none
PDE2A	0.047	0.0742	0.1974	0.84757	0.907	-6.55	1.12653	none
GPR18	-0.04	-0.1494	-0.197	0.84782	0.907	-6.55	0.31267	none
MAN1A1	0.019	0.0057	0.197	0.8479	0.907	-6.55	0.88058	none

SERPIN1	0.015	0.0154	0.1968	0.84805	0.907	-6.55	-0.6806	none
KLF1	-0.013	-0.014	-0.197	0.84805	0.907	-6.55	1.64649	none
SYNJ1	0.022	#####	0.1967	0.84814	0.907	-6.55	0.95356	none
BEND5	0.056	0.0738	0.1965	0.84826	0.907	-6.55	1.40219	none
LRP3	-0.031	0.0038	-0.197	0.84827	0.907	-6.55	0.13915	none
APOBEC1	-0.018	-0.0179	-0.196	0.84861	0.907	-6.55	0.6787	none
SLC44A1	-0.017	-0.0703	-0.196	0.84875	0.907	-6.55	-0.2123	none
ANKRD65	0.018	0.045	0.1959	0.84877	0.907	-6.55	1.77624	none
FOXD4L1	-0.014	#####	-0.196	0.8489	0.907	-6.55	0	none
MAP4K3	0.035	0.0409	0.1956	0.84895	0.907	-6.55	0.95441	none
TUBB1	0.014	0.0352	0.1955	0.84905	0.908	-6.55	1.56501	none
TMEM207	-0.015	-0.0151	-0.195	0.84907	0.908	-6.55	-0.2598	none
PFKP	0.028	0.149	0.1954	0.84915	0.908	-6.55	0.54049	none
NDUFS7	-0.034	-0.0581	-0.195	0.84946	0.908	-6.55	1.13493	none
UBE2D1	0.025	-0.0207	0.1949	0.8495	0.908	-6.55	1.09984	none
SERPINA9	0.02	0.029	0.1943	0.84997	0.908	-6.55	1.68678	none
CASP9	0.021	-0.0332	0.1943	0.85001	0.908	-6.55	-0.708	none
CDC25C	-0.034	-0.0388	-0.194	0.85002	0.908	-6.55	0.10872	none
FCMR	-0.019	-0.0338	-0.194	0.8501	0.908	-6.55	0.38619	none
FNDCC11	0.015	0.0381	0.194	0.85019	0.908	-6.55	0.19534	none
GRID2IP	-0.013	0.007	-0.193	0.85073	0.909	-6.55	0.88273	none
BTBD10	0.025	-0.0152	0.1932	0.85084	0.909	-6.55	0.27381	none
POLR3B	-0.027	0.0321	-0.193	0.85098	0.909	-6.55	0.51721	none
CFC1	-0.03	-0.0159	-0.193	0.85104	0.909	-6.55	0.74998	none
TRPC7	0.016	0.0159	0.1926	0.85127	0.909	-6.55	-0.6239	none
RGPD1	0.04	0.0356	0.1925	0.85131	0.909	-6.55	0.75276	none
ACBD3	0.048	0.1611	0.1924	0.85142	0.909	-6.55	0.40717	none
NMB	0.037	0.0128	0.1917	0.85196	0.91	-6.55	0.33776	none
GRIK4	0.033	0.0487	0.1916	0.85205	0.91	-6.55	0.19947	none
EBF4	0.025	0.0504	0.1915	0.85209	0.91	-6.55	-0.2379	none
AC005779	-0.027	-0.0268	-0.191	0.85232	0.91	-6.55	1.59282	none
ANKRD37	-0.032	-0.0127	-0.191	0.85235	0.91	-6.55	1.4735	none
ANXA7	-0.02	-0.11	-0.191	0.85246	0.91	-6.55	0.16576	none
RASIP1	0.021	0.033	0.1907	0.85267	0.91	-6.55	1.24324	none
CYLC2	0.059	0.1082	0.1906	0.85278	0.91	-6.55	-0.6806	none
CSH1	0.019	0.0403	0.1905	0.85284	0.91	-6.55	0.28062	none
LRPAP1	-0.028	0.0899	-0.19	0.85306	0.91	-6.55	0.0981	none
ZBTB34	0.015	0.0201	0.1902	0.85308	0.91	-6.55	-0.1796	none
TTC21A	0.059	0.1052	0.1901	0.85321	0.91	-6.55	-0.2758	none
ZNF516	0.022	0.0803	0.1899	0.85335	0.91	-6.55	0.9309	none

LRWD1	0.019	0.0729	0.1898	0.85339	0.91	-6.55	0.533	none
ERF	-0.048	0.0742	-0.19	0.85339	0.91	-6.55	0.10883	none
COL9A2	0.045	0.1331	0.1896	0.85358	0.911	-6.55	1.16846	none
RASD1	0.019	0.0175	0.1895	0.85361	0.911	-6.55	1.03047	none
RAB7A	0.019	0.0332	0.1895	0.85366	0.911	-6.55	0.91227	none
TSEN15	0.029	-0.0568	0.1893	0.8538	0.911	-6.55	1.02567	none
IPMK	0.014	-0.026	0.1891	0.85394	0.911	-6.55	0.72342	none
GAD2	0.014	0.0345	0.1891	0.85395	0.911	-6.55	1.11437	none
OR5C1	-0.016	-0.016	-0.189	0.85396	0.911	-6.55	-0.6121	none
HNRNPH2	0.019	-0.0504	0.1891	0.85396	0.911	-6.55	0.90545	none
MAT1A	-0.016	-0.0165	-0.189	0.85427	0.911	-6.55	-0.1522	none
BNIP3L	0.016	0.0076	0.1887	0.85427	0.911	-6.55	-0.2898	none
GABRR2	0.028	0.0278	0.1883	0.85455	0.911	-6.55	0.41618	none
B3GALT4	0.014	0.0161	0.1882	0.85463	0.911	-6.55	0.72654	none
CORO1C	-0.023	-0.0124	-0.188	0.85472	0.911	-6.55	1.16565	none
NPB	-0.015	-0.0267	-0.188	0.85491	0.911	-6.55	-0.4974	none
NBPF9	0.033	0.1958	0.1876	0.85504	0.911	-6.55	0.44533	none
TSPAN11	0.015	0.0215	0.1875	0.85512	0.911	-6.55	-0.325	none
MSX2	-0.013	-0.0052	-0.187	0.85517	0.911	-6.55	-0.6895	none
DGKQ	0.026	0.0578	0.1874	0.85526	0.911	-6.55	-0.2384	none
WNK2	0.032	0.103	0.1873	0.85533	0.911	-6.55	1.0355	none
PCDH8	-0.013	-0.0084	-0.187	0.85535	0.911	-6.55	-0.5515	none
MAP1A	0.014	0.0589	0.1871	0.85548	0.911	-6.55	0.34781	none
HESX1	-0.023	-0.04	-0.187	0.85549	0.911	-6.55	-0.4067	none
NODAL	0.014	0.0439	0.1869	0.85558	0.911	-6.55	0.38287	none
USP6	-0.016	0.0317	-0.187	0.85558	0.911	-6.55	1.20783	none
1-Sep	0.024	0.0643	0.1869	0.85564	0.911	-6.55	-0.0203	none
THOC6	-0.019	-0.0124	-0.187	0.8559	0.912	-6.55	0.48287	none
C1ORF35	0.023	0.0304	0.1865	0.85595	0.912	-6.55	-0.1125	none
MTRNR2L	0.02	-0.0078	0.1861	0.85619	0.912	-6.55	0.9718	none
HYPM	-0.029	-0.0285	-0.186	0.85661	0.912	-6.55	1.20276	none
OXT	0.023	0.0893	0.1855	0.85666	0.912	-6.55	0.86115	none
FAM83D	0.017	0.0041	0.1854	0.85673	0.912	-6.55	0.93034	none
SYT10	0.012	0.0159	0.1852	0.85694	0.912	-6.55	0.77493	none
VTN	-0.014	-0.026	-0.185	0.85698	0.912	-6.55	-0.7647	none
TMEM200	0.014	0.0161	0.1851	0.85698	0.912	-6.55	-0.6503	none
CYB5R4	-0.037	-0.099	-0.185	0.8572	0.912	-6.55	1.06732	none
FAM50A	0.039	0.1775	0.1846	0.85734	0.912	-6.55	1.25127	none
TEX10	0.02	-0.011	0.1846	0.85735	0.912	-6.55	1.27186	none
ZFAND1	-0.028	-0.14	-0.184	0.85745	0.912	-6.55	0.34923	none



UBE2E1	-0.039	-0.0778	-0.184	0.85746	0.912	-6.55	0.52914	none
TMEM107	-0.028	-0.1285	-0.184	0.85751	0.912	-6.55	0.63227	none
RCE1	0.024	0.0333	0.1843	0.85759	0.913	-6.55	1.01189	none
RANBP2	-0.067	0.1971	-0.184	0.85806	0.913	-6.56	0.41386	none
AEN	-0.02	0.0593	-0.184	0.8581	0.913	-6.56	1.5506	none
GDPD3	-0.029	0.0304	-0.183	0.85825	0.913	-6.56	1.11645	none
NUDT13	0.065	0.0321	0.1834	0.85828	0.913	-6.56	0.40478	none
HDAC10	0.02	0.0207	0.1833	0.85837	0.913	-6.56	1.29229	none
GCAT	-0.025	-0.036	-0.183	0.85844	0.913	-6.56	0.94289	none
ADAMTS1	0.038	0.0538	0.1828	0.85876	0.913	-6.56	-0.5788	none
NOB1	-0.025	0.0612	-0.182	0.859	0.913	-6.56	1.53438	none
GOLT1A	-0.023	-0.0122	-0.182	0.85901	0.913	-6.56	0.31731	none
B4GALT6	0.02	0.0177	0.1823	0.85909	0.913	-6.56	-0.5565	none
BUD31	0.018	-0.0244	0.1823	0.8591	0.913	-6.56	-0.6192	none
DLEU7	0.015	0.0113	0.1821	0.85925	0.914	-6.56	0.38296	none
ZAP70	-0.024	0.0121	-0.181	0.86019	0.915	-6.56	1.169	none
KCNAB1	0.049	#####	0.1806	0.8604	0.915	-6.56	0.1864	none
TXNDC16	0.042	0.0114	0.1805	0.86049	0.915	-6.56	0.99161	none
RAET1G	-0.014	-0.0184	-0.18	0.86097	0.915	-6.56	-0.6403	none
FCGR3B	0.018	0.018	0.1792	0.86151	0.916	-6.56	0.96175	none
TNPO3	0.028	0.0771	0.1788	0.86176	0.916	-6.56	0.49318	none
DEFB119	-0.031	-0.0306	-0.179	0.86182	0.916	-6.56	1.20526	none
LRRIQ3	-0.022	-0.022	-0.179	0.86186	0.916	-6.56	1.48562	none
C16ORF87	-0.019	-0.0726	-0.178	0.8622	0.916	-6.56	-0.0262	none
PHC1	0.032	0.0682	0.1781	0.8623	0.916	-6.56	0.07239	none
MMP24	-0.012	0.0283	-0.178	0.86252	0.916	-6.56	1.23677	none
UBXN2B	-0.03	-0.0931	-0.178	0.86257	0.916	-6.56	1.08455	none
PIK3CA	-0.044	0.1004	-0.178	0.86265	0.916	-6.56	0.86239	none
ZNF263	0.035	0.1378	0.1777	0.86266	0.916	-6.56	-0.1649	none
DDOST	-0.02	-0.0782	-0.176	0.86363	0.917	-6.56	0.40023	none
PELO	-0.016	#####	-0.176	0.8637	0.917	-6.56	1.46756	none
CISD3	0.029	0.028	0.1761	0.86386	0.918	-6.56	0.10289	none
POLR2M	-0.026	-0.0534	-0.176	0.86399	0.918	-6.56	1.05678	none
C1ORF189	-0.016	0.0132	-0.176	0.86405	0.918	-6.56	0.0054	none
TCEAL2	0.014	0.0165	0.1758	0.86407	0.918	-6.56	0.53536	none
TTC1	0.019	0.0638	0.1752	0.86452	0.918	-6.56	-0.0518	none
PGPEP1L	-0.019	0.0164	-0.175	0.86452	0.918	-6.56	-0.3845	none
ELOVL3	-0.013	0.0048	-0.175	0.86477	0.918	-6.56	-0.1428	none
PLPP6	0.023	0.0152	0.1748	0.86488	0.918	-6.56	0.95615	none
CFAP44	0.033	0.052	0.1746	0.86503	0.918	-6.56	0.90492	none

GRM3	-0.012	0.0029	-0.174	0.86558	0.919	-6.56	-0.2622	none
TMEM178	-0.02	-0.0025	-0.173	0.86635	0.92	-6.56	-0.3159	none
BLOC1S2	0.02	-0.0146	0.1727	0.86648	0.92	-6.56	-0.1943	none
DYRK2	0.028	-0.0196	0.1724	0.86669	0.92	-6.56	0.46542	none
CYP2S1	0.026	0.0432	0.1721	0.86688	0.92	-6.56	1.38209	none
CFAP97	-0.028	0.029	-0.172	0.86716	0.92	-6.56	1.71537	none
MAPK7	0.027	0.1259	0.1718	0.86717	0.92	-6.56	0.33457	none
CDH5	-0.017	-0.0286	-0.172	0.86737	0.92	-6.56	0.66543	none
MYRF	0.023	0.0189	0.1715	0.8674	0.92	-6.56	-0.4668	none
ZNF358	-0.03	#####	-0.171	0.86741	0.92	-6.56	1.0867	none
CENPB	-0.022	#####	-0.171	0.86778	0.921	-6.56	-0.7112	none
SIKE1	0.023	-0.0898	0.1705	0.86812	0.921	-6.56	0.04324	none
KRT32	-0.012	-0.0067	-0.17	0.86814	0.921	-6.56	0	none
C8ORF82	0.015	#####	0.1704	0.86824	0.921	-6.56	-0.1344	none
IPCEF1	0.03	0.0063	0.1702	0.86833	0.921	-6.56	0.65913	none
RLN1	-0.02	0.0057	-0.17	0.86836	0.921	-6.56	1.22731	none
ADGRG3	0.02	0.0589	0.1702	0.86838	0.921	-6.56	0.21757	none
HIST1H4B	-0.02	-0.0397	-0.17	0.86848	0.921	-6.56	1.05785	none
RNF123	0.034	0.0721	0.1695	0.86893	0.921	-6.56	1.28094	none
DUSP11	0.019	-0.082	0.1694	0.86895	0.921	-6.56	0.21781	none
SPANXD	0.019	0.0464	0.1688	0.86941	0.922	-6.56	0.66625	none
TTC9	0.021	0.0483	0.1687	0.86951	0.922	-6.56	0.2255	none
SWT1	-0.027	0.009	-0.168	0.8698	0.922	-6.56	1.46252	none
SERPINA1	0.039	0.1184	0.1683	0.86981	0.922	-6.56	0.42341	none
SERTAD2	0.025	0.0195	0.1682	0.86987	0.922	-6.56	0.5431	none
ARX	-0.056	0.1219	-0.168	0.87002	0.922	-6.56	0.53995	none
FAM170A	-0.013	-0.0126	-0.168	0.87007	0.922	-6.56	-0.0315	none
CCL17	0.036	0.1157	0.1679	0.87011	0.922	-6.56	1.45469	none
YEATS4	0.023	-0.0327	0.1672	0.87063	0.922	-6.56	0.93396	none
AQP11	-0.029	-0.0215	-0.167	0.87063	0.922	-6.56	0.75649	none
CTDNEP1	-0.027	0.0807	-0.167	0.87073	0.922	-6.56	0.2514	none
ANKRD34	-0.034	-0.0145	-0.167	0.87081	0.922	-6.56	0.66939	none
ACADM	0.016	0.013	0.167	0.87084	0.922	-6.56	0.34076	none
FAM151A	0.014	0.0011	0.167	0.87085	0.922	-6.56	1.28052	none
GAD1	0.033	0.0587	0.1668	0.87095	0.923	-6.56	-0.1575	none
FCGR1A	0.022	0.0355	0.1667	0.87101	0.923	-6.56	-0.6786	none
MIOS	-0.026	0.0177	-0.167	0.87112	0.923	-6.56	1.53704	none
CALR3	-0.019	0.0087	-0.166	0.87126	0.923	-6.56	1.07585	none
PLG	0.035	-0.0146	0.1664	0.87127	0.923	-6.56	0.38145	none
ZNF296	-0.014	0.0366	-0.166	0.87129	0.923	-6.56	1.66031	none

SMAP1	-0.031	0.0664	-0.166	0.87133	0.923	-6.56	0.96629	none
UCP2	-0.018	-0.0365	-0.166	0.87137	0.923	-6.56	1.27315	none
LUC7L3	0.037	0.1424	0.1657	0.87183	0.923	-6.56	0.75	none
NSMF	-0.037	0.1173	-0.165	0.87197	0.923	-6.56	0.08578	none
NR4A2	-0.024	0.0806	-0.165	0.87198	0.923	-6.56	0.56145	none
EFCAB9	-0.018	-0.0184	-0.165	0.87206	0.923	-6.56	1.06067	none
AMY1B	-0.016	0.0042	-0.165	0.87258	0.924	-6.56	1.7753	none
EIF4E3	0.025	-0.079	0.1646	0.87267	0.924	-6.56	0.1093	none
FCRLB	-0.015	-0.0339	-0.164	0.87316	0.924	-6.56	1.8424	none
IKZF2	-0.018	-0.0387	-0.164	0.87325	0.924	-6.56	1.73884	none
STK24	0.022	0.0184	0.1636	0.87338	0.924	-6.56	-0.9254	none
FOXE3	0.011	0.0218	0.1636	0.8734	0.924	-6.56	0	none
CITED2	0.038	0.0686	0.1634	0.87355	0.924	-6.56	0.63732	none
PAGE5	-0.03	-0.1134	-0.163	0.87359	0.924	-6.56	0.90061	none
PCSK1N	0.043	0.0946	0.163	0.8739	0.924	-6.56	-0.5698	none
TCN1	-0.018	-0.0116	-0.163	0.87392	0.924	-6.56	1.91248	none
CRYZ	-0.027	-0.1407	-0.163	0.87395	0.924	-6.56	0.05704	none
CAMTA1	-0.03	-0.1027	-0.163	0.87397	0.924	-6.56	-0.0938	none
PFKFB4	-0.015	0.0638	-0.163	0.87425	0.925	-6.56	1.35049	none
ROPN1L	0.026	-0.0437	0.1624	0.87433	0.925	-6.56	0.96182	none
EDA2R	-0.012	0.0062	-0.162	0.87449	0.925	-6.56	0.01022	none
TTC30B	-0.011	-0.0106	-0.162	0.8746	0.925	-6.56	0.90941	none
ASXL1	0.023	0.0669	0.162	0.87467	0.925	-6.56	-0.04	none
EFCAB1	-0.014	0.0163	-0.162	0.87467	0.925	-6.56	0.70034	none
CYB5B	-0.018	-0.0979	-0.162	0.87473	0.925	-6.56	0.35687	none
KLK12	0.014	0.0142	0.1614	0.87509	0.925	-6.56	1.43031	none
NKD2	-0.014	0.0145	-0.161	0.87521	0.925	-6.56	0.61505	none
SRSF8	-0.015	-0.0647	-0.161	0.87533	0.925	-6.56	0.30206	none
A4GNT	-0.012	-0.0115	-0.161	0.87548	0.925	-6.56	0	none
PTPN5	0.013	0.0342	0.1608	0.87554	0.925	-6.56	0.55593	none
CLDN1	-0.023	0.0017	-0.161	0.87562	0.925	-6.56	1.45492	none
LOXL3	0.017	0.0724	0.1603	0.87593	0.926	-6.56	0.72445	none
9-Sep	0.031	0.1023	0.16	0.8762	0.926	-6.56	0.82847	none
UNC50	0.025	-0.0925	0.1599	0.87626	0.926	-6.56	0.7103	none
ARHGEF35	-0.018	-0.0444	-0.16	0.87629	0.926	-6.56	0.64452	none
ZNF536	-0.014	0.0111	-0.16	0.87654	0.926	-6.56	-0.3178	none
TCP10	0.015	0.0313	0.1594	0.87661	0.926	-6.56	-0.5043	none
MMP17	-0.026	-0.0343	-0.159	0.87662	0.926	-6.56	1.13134	none
SASH3	0.027	0.1173	0.1593	0.87671	0.926	-6.56	0.67291	none
GPRIN2	0.012	0.0183	0.159	0.87693	0.926	-6.56	0.28301	none

ASNS	0.015	-0.0743	0.1586	0.87728	0.927	-6.56	-0.1192	none
MBD4	-0.033	0.0889	-0.158	0.87733	0.927	-6.56	0.90779	none
SRF	0.022	0.0881	0.1577	0.87793	0.927	-6.56	0.65851	none
LRIF1	0.02	0.0442	0.1574	0.87818	0.927	-6.56	1.56579	none
COL7A1	-0.034	#####	-0.157	0.8783	0.927	-6.56	1.49204	none
MRRF	0.016	-0.0308	0.1571	0.87837	0.927	-6.56	1.55653	none
TP53INP1	0.013	-0.0755	0.1571	0.8784	0.927	-6.56	0.47735	none
ZNF438	-0.02	0.0214	-0.157	0.87846	0.927	-6.56	1.55501	none
DUSP10	0.019	-0.0082	0.157	0.87847	0.927	-6.56	0.01647	none
TMLHE	-0.034	-0.046	-0.157	0.87856	0.927	-6.56	1.2342	none
NEDD8-MI	0.029	-0.0409	0.1569	0.87857	0.927	-6.56	1.16694	none
USP17L24	-0.011	0.006	-0.157	0.87858	0.927	-6.56	0	none
USP17L25	-0.011	0.006	-0.157	0.87858	0.927	-6.56	0	none
USP17L26	-0.011	0.006	-0.157	0.87858	0.927	-6.56	0	none
ANKS6	-0.028	-0.0226	-0.157	0.87876	0.927	-6.56	0.88133	none
SLC35C2	0.02	-0.0232	0.1566	0.87879	0.927	-6.56	1.27215	none
TOR1AIP1	0.017	0.021	0.1566	0.87881	0.927	-6.56	1.04004	none
TTC30A	-0.011	-0.0061	-0.157	0.87881	0.927	-6.56	-0.405	none
SAV1	-0.027	-0.0714	-0.156	0.87903	0.927	-6.56	0.20789	none
MECR	0.017	0.0685	0.1563	0.87904	0.927	-6.56	-0.117	none
VN1R2	0.011	0.0263	0.1561	0.87916	0.927	-6.56	1.14937	none
CTRB2	0.018	0.012	0.1561	0.87916	0.927	-6.56	1.09092	none
NIPAL4	0.018	0.0297	0.1555	0.87961	0.928	-6.56	1.41951	none
FARSA	-0.014	0.0272	-0.155	0.87983	0.928	-6.56	0.7266	none
SETD3	-0.016	#####	-0.155	0.88	0.928	-6.56	1.20092	none
FGL1	-0.012	-0.0168	-0.155	0.88025	0.928	-6.56	0.79704	none
NEUROD6	-0.011	-0.0108	-0.155	0.88037	0.928	-6.56	0	none
PTBP3	0.031	-0.0259	0.1545	0.8804	0.928	-6.56	-0.1048	none
C2ORF73	-0.011	-0.011	-0.154	0.8808	0.929	-6.56	0.50395	none
AATF	0.033	0.1771	0.1539	0.88086	0.929	-6.56	0.69669	none
FAM104A	0.019	0.0158	0.1538	0.88096	0.929	-6.56	0.39303	none
SOBP	0.013	0.0342	0.1535	0.88117	0.929	-6.56	0.90833	none
VSTM2A	-0.011	0.0075	-0.153	0.88119	0.929	-6.56	2.02628	none
UBAC2	0.019	-0.077	0.1535	0.88119	0.929	-6.56	0.53957	none
ASXL3	0.026	0.0173	0.1534	0.88124	0.929	-6.56	0.57908	none
WASF1	-0.012	0.0384	-0.153	0.88128	0.929	-6.56	1.69507	none
TLR9	0.027	0.0178	0.1533	0.88129	0.929	-6.56	0.40344	none
TMSB4Y	0.012	0.021	0.1532	0.88141	0.929	-6.56	1.25684	none
PTPN13	0.012	0.0279	0.1532	0.88143	0.929	-6.56	1.24575	none
GOLGA6L2	0.023	0.0431	0.1528	0.88171	0.929	-6.56	-0.8125	none

BCAT2	0.014	0.0201	0.1523	0.88209	0.929	-6.56	1.24791	none
OR2V1	-0.01	0.0112	-0.152	0.88237	0.93	-6.56	0.71908	none
AMACR	0.023	-0.0024	0.1517	0.88254	0.93	-6.56	0.99302	none
NCAPH2	0.014	0.0337	0.1516	0.88263	0.93	-6.56	0.02787	none
RPP25L	0.023	-0.0364	0.1511	0.88298	0.93	-6.56	0.60194	none
TUSC2	-0.024	-0.0296	-0.151	0.88333	0.93	-6.56	0.55846	none
PDZD9	0.011	0.0107	0.1505	0.88346	0.93	-6.56	1.06477	none
MAP3K2	0.032	0.1536	0.1505	0.88348	0.93	-6.56	0.47163	none
UBTD2	-0.015	-0.0104	-0.15	0.88405	0.931	-6.56	0.81601	none
SLC6A5	0.014	0.0134	0.1496	0.88414	0.931	-6.56	-0.3918	none
SERPINE1	0.016	0.0345	0.1494	0.88432	0.931	-6.56	0.82088	none
CCNG2	0.019	-0.1149	0.1494	0.88432	0.931	-6.56	-0.0026	none
GNAO1	-0.014	-0.028	-0.149	0.8847	0.931	-6.56	-0.5972	none
FGF8	0.019	-0.0397	0.1488	0.88474	0.931	-6.56	-0.1914	none
CMTM8	-0.031	-0.0738	-0.149	0.88482	0.931	-6.56	0.72465	none
PSMC1	0.019	0.0745	0.1484	0.88505	0.932	-6.56	-0.5467	none
SGMS2	0.034	0.0621	0.1484	0.8851	0.932	-6.56	0.38872	none
HSPA12B	0.011	0.0158	0.1482	0.88523	0.932	-6.56	-0.0894	none
HMMR	0.058	0.2509	0.1482	0.88523	0.932	-6.56	0.73351	none
AP3M2	0.022	-0.0012	0.1481	0.88533	0.932	-6.56	1.44776	none
PLEKHA3	0.024	-0.0665	0.1478	0.88551	0.932	-6.56	0.98127	none
EIF4EBP2	-0.016	-0.096	-0.148	0.88551	0.932	-6.56	0.17989	none
APOLD1	0.022	0.0444	0.1478	0.88552	0.932	-6.56	0.32536	none
KRT24	-0.011	-0.0052	-0.148	0.88554	0.932	-6.56	0.5088	none
HNRNPA2I1	-0.024	0.0519	-0.147	0.88618	0.932	-6.56	1.09878	none
SLC7A10	0.012	0.0116	0.1465	0.88656	0.933	-6.56	0.81301	none
CD59	0.015	-0.0494	0.1464	0.88661	0.933	-6.56	-0.3546	none
GGPS1	0.017	-0.0646	0.1462	0.88675	0.933	-6.56	-0.1371	none
RXFP4	-0.013	0.0112	-0.146	0.88696	0.933	-6.56	-0.1907	none
DMRTB1	0.013	0.0129	0.1459	0.88701	0.933	-6.56	0.48486	none
ZDHHC3	-0.01	-0.0087	-0.146	0.88708	0.933	-6.56	0.38149	none
ANKRA2	-0.024	-0.0889	-0.146	0.88712	0.933	-6.56	1.57933	none
CD37	0.016	-0.0544	0.1457	0.88719	0.933	-6.56	1.03445	none
NDRG4	0.038	0.0623	0.1452	0.88753	0.933	-6.56	0.58092	none
RNF144B	0.017	0.0457	0.1451	0.88762	0.933	-6.56	1.34143	none
VIPR2	-0.019	0.0032	-0.145	0.88767	0.933	-6.56	0.83057	none
CLDN20	-0.015	-0.0313	-0.145	0.88793	0.933	-6.56	-0.5003	none
YY1	0.029	0.1104	0.1447	0.88794	0.933	-6.56	0.27906	none
ANXA11	0.016	0.0388	0.1445	0.88805	0.933	-6.56	1.03549	none
C9ORF16	-0.023	-0.0493	-0.144	0.8881	0.933	-6.56	0.54191	none

MOB4	-0.018	-0.1102	-0.144	0.88831	0.934	-6.56	1.28042	none
ATE1	0.025	0.0731	0.1442	0.88833	0.934	-6.56	0.887	none
FBN3	-0.011	0.013	-0.144	0.88847	0.934	-6.56	0.77261	none
ALPK2	0.011	0.0149	0.1439	0.88853	0.934	-6.56	1.77976	none
ESX1	-0.014	-0.0146	-0.144	0.8886	0.934	-6.56	1.31701	none
NOTUM	0.023	0.0028	0.1437	0.88869	0.934	-6.56	0.56429	none
SERPINB1C	-0.019	-0.0303	-0.143	0.8889	0.934	-6.56	0.71766	none
AVPR2	-0.029	-0.0092	-0.143	0.88902	0.934	-6.56	0.57559	none
TMEM39A	-0.033	-0.0522	-0.143	0.88922	0.934	-6.56	0.11341	none
HOXB9	-0.011	#####	-0.143	0.88952	0.934	-6.56	-0.105	none
FCGR3A	-0.01	0.003	-0.143	0.88956	0.934	-6.56	1.06743	none
HNRNPCL1	-0.013	-0.0077	-0.142	0.88963	0.934	-6.56	1.9268	none
SCN8A	-0.019	0.0096	-0.142	0.88972	0.934	-6.56	1.93924	none
MMEL1	-0.054	-0.021	-0.142	0.88987	0.934	-6.56	-0.0314	none
SCRIB	0.025	0.1754	0.1421	0.88989	0.934	-6.56	0.04031	none
TUBB2B	-0.017	-0.0449	-0.142	0.89003	0.934	-6.56	1.25041	none
EIF4A2	0.016	-0.0128	0.1418	0.89017	0.935	-6.56	1.4336	none
FAM171B	-0.012	-0.0052	-0.142	0.89018	0.935	-6.56	0.42157	none
LRRC70	-0.019	0.0212	-0.142	0.89023	0.935	-6.56	0.95656	none
AMDHD1	-0.041	0.0727	-0.142	0.89038	0.935	-6.56	0.71786	none
EIF2B3	0.009	-0.0082	0.1412	0.89062	0.935	-6.56	0.18556	none
AC090958	-0.011	-0.0149	-0.141	0.89087	0.935	-6.56	0.25989	none
MMP14	0.036	0.1118	0.1406	0.89106	0.935	-6.56	1.03341	none
DR1	0.014	-0.0305	0.1406	0.8911	0.935	-6.56	1.67286	none
CAMSAP3	-0.035	0.0376	-0.14	0.89171	0.936	-6.56	0.61935	none
NPTX1	-0.015	-0.0314	-0.139	0.89193	0.936	-6.56	-0.5965	none
IQSEC3	0.011	0.0375	0.1392	0.89214	0.936	-6.56	-0.4981	none
STUB1	-0.018	-0.0262	-0.139	0.89232	0.936	-6.56	1.34197	none
HOXB13	-0.016	0.0217	-0.139	0.8924	0.936	-6.56	0.66617	none
HOXD11	-0.01	-0.0097	-0.139	0.89241	0.936	-6.56	-0.3453	none
ZNF711	0.013	0.0129	0.1388	0.89248	0.936	-6.56	0.6135	none
ACO1	0.012	0.0454	0.1388	0.89249	0.936	-6.56	1.22094	none
GPR135	-0.011	0.0232	-0.139	0.8925	0.936	-6.56	-0.6047	none
C9ORF43	-0.012	0.0222	-0.139	0.89259	0.936	-6.56	1.38932	none
GPSM1	0.021	0.0942	0.1384	0.89275	0.936	-6.56	0.50867	none
OR52L1	-0.011	-0.011	-0.138	0.89289	0.936	-6.56	0.63284	none
ARL1	0.016	-0.0457	0.1382	0.89292	0.936	-6.56	0.70659	none
TCF15	0.01	0.0073	0.1378	0.89323	0.937	-6.56	0.32807	none
PCYT2	0.011	0.0168	0.1375	0.89347	0.937	-6.56	-0.5164	none
ADAM21	0.011	-0.0106	0.1374	0.89354	0.937	-6.56	0.71529	none

FSTL3	0.022	-0.0651	0.137	0.89381	0.937	-6.56	0.1943	none
SYNM	-0.01	-0.0227	-0.137	0.89384	0.937	-6.56	0.39084	none
PPP2R5D	0.026	0.1334	0.1368	0.894	0.937	-6.56	0.90782	none
RCHY1	0.025	-0.0631	0.1368	0.89403	0.937	-6.56	1.25478	none
SLCO6A1	0.019	0.0192	0.1367	0.89405	0.937	-6.56	1.69849	none
DNASE1L1	-0.032	-0.0903	-0.136	0.89446	0.937	-6.56	0.44678	none
VSX1	-0.01	0.0147	-0.136	0.8945	0.937	-6.56	0.53086	none
GPX7	-0.013	-0.0407	-0.136	0.89451	0.937	-6.56	0.88195	none
HNRNPM	0.024	0.1218	0.1361	0.89455	0.937	-6.56	0.3978	none
HIST2H2BI	0.011	-0.035	0.1361	0.89458	0.937	-6.56	-0.1944	none
ZBTB45	0.017	0.0259	0.136	0.89464	0.937	-6.56	1.42043	none
C7ORF50	-0.017	-0.056	-0.136	0.89472	0.937	-6.56	0.64592	none
PGP	0.022	0.0347	0.1358	0.89474	0.937	-6.56	1.01025	none
TMEM259	-0.021	0.0045	-0.136	0.89477	0.937	-6.56	0.07661	none
DHCR7	0.02	0.0711	0.1357	0.89483	0.937	-6.56	0.82112	none
TMBIM1	-0.019	-0.079	-0.136	0.8949	0.937	-6.56	-0.3384	none
IRS4	0.009	0.0177	0.135	0.89535	0.938	-6.56	0	none
CRY1	0.014	0.0075	0.1345	0.89577	0.938	-6.56	0.96333	none
OR4N2	0.02	0.0254	0.1344	0.89582	0.938	-6.56	0.28641	none
KIFC3	0.038	0.1747	0.1343	0.89594	0.938	-6.56	0.59744	none
LTB4R	-0.017	0.0109	-0.134	0.89597	0.938	-6.56	1.09999	none
NDC1	-0.025	-0.0692	-0.134	0.89601	0.938	-6.56	0.10732	none
TNFRSF14	-0.015	-0.0539	-0.134	0.89608	0.938	-6.56	0.98228	none
MCRIP1	-0.022	-0.0622	-0.134	0.89647	0.938	-6.56	0.34152	none
TMEM31	-0.014	0.0111	-0.133	0.89659	0.939	-6.56	0.21054	none
IFIT2	-0.011	-0.0109	-0.133	0.89669	0.939	-6.56	0.39861	none
SUPT7L	-0.018	-0.0283	-0.133	0.89672	0.939	-6.56	0.11645	none
MASP1	0.019	-0.0458	0.1332	0.89678	0.939	-6.56	-0.1001	none
TSPAN16	-0.01	0.0062	-0.133	0.89709	0.939	-6.56	0.23067	none
HNRNPH3	-0.019	0.0317	-0.132	0.89739	0.939	-6.56	1.28323	none
MYLIP	0.013	0.0176	0.1323	0.89744	0.939	-6.56	0.09493	none
TGFBR2	-0.018	0.0483	-0.132	0.89744	0.939	-6.56	1.05045	none
SYT3	-0.021	-0.0318	-0.132	0.89745	0.939	-6.56	1.45327	none
YTHDF1	-0.017	0.0505	-0.132	0.89754	0.939	-6.56	0.37855	none
ZBTB22	0.018	0.0145	0.1321	0.89758	0.939	-6.56	0.03646	none
FCRL6	-0.018	-0.0321	-0.132	0.89784	0.939	-6.56	0.01552	none
RPP21	-0.044	-0.1423	-0.132	0.898	0.939	-6.56	0.88592	none
MEF2B	-0.025	0.0109	-0.131	0.8981	0.939	-6.56	0.68009	none
C9ORF152	-0.01	-0.0048	-0.131	0.89813	0.939	-6.56	0.90419	none
NDRG1	-0.013	0.0819	-0.131	0.89815	0.939	-6.56	0.76351	none

FOXG1	0.037	0.0359	0.1314	0.89819	0.939	-6.56	0.6081	none
IQCK	-0.019	-0.1202	-0.131	0.89876	0.94	-6.56	-0.0292	none
UNC13B	0.023	0.0779	0.1304	0.8989	0.94	-6.56	0.87817	none
FABP3	0.017	0.0703	0.1303	0.89899	0.94	-6.56	1.92109	none
IFFO2	0.024	0.0774	0.1301	0.89913	0.94	-6.56	1.24341	none
HTR2B	-0.014	-0.0546	-0.13	0.89924	0.94	-6.56	1.09061	none
HSD11B2	0.03	0.019	0.1299	0.89929	0.94	-6.56	-0.0328	none
FGF1	0.016	0.0061	0.1299	0.89931	0.94	-6.56	-0.5113	none
SLC22A10	-0.01	-0.0099	-0.13	0.8996	0.94	-6.56	0	none
ST3GAL4	0.019	0.0532	0.1294	0.89968	0.94	-6.56	0.78761	none
HOXA10	-0.02	-0.0049	-0.129	0.89978	0.94	-6.56	-0.2024	none
SHANK2	0.043	0.0081	0.1291	0.89994	0.94	-6.56	0.88465	none
REP15	0.011	0.0528	0.1291	0.89995	0.94	-6.56	1.11564	none
PFKFB1	0.014	0.0405	0.1289	0.9001	0.941	-6.56	0.84689	none
ARHGAP3	-0.021	0.02	-0.129	0.90016	0.941	-6.56	0.6658	none
GLT1D1	-0.013	-0.009	-0.129	0.90032	0.941	-6.56	-0.3491	none
FBXL7	0.009	0.0196	0.1284	0.9005	0.941	-6.56	0	none
NECTIN1	0.029	0.0751	0.1282	0.90059	0.941	-6.56	0.70159	none
MAN2A1	0.018	0.0398	0.1279	0.90086	0.941	-6.56	0.67823	none
ADGRL2	-0.009	0.0113	-0.128	0.90111	0.941	-6.56	-0.7104	none
SCP2	-0.018	-0.1035	-0.127	0.90117	0.941	-6.56	0.73472	none
TDG	0.014	-0.0247	0.1273	0.90134	0.941	-6.56	0.58816	none
C15ORF39	0.014	0.072	0.1272	0.90139	0.941	-6.56	0.56188	none
ABLIM2	0.018	0.0568	0.1268	0.90173	0.942	-6.56	-0.0625	none
ARMC4	-0.018	0.0423	-0.126	0.90201	0.942	-6.56	1.28512	none
JSRP1	-0.023	-0.0574	-0.126	0.90203	0.942	-6.56	1.61748	none
CARD19	-0.02	-0.0513	-0.126	0.90243	0.942	-6.56	0.86827	none
PRKAB2	-0.019	0.0642	-0.126	0.90246	0.942	-6.56	0.92252	none
SIX1	-0.021	0.0137	-0.126	0.90253	0.942	-6.56	-0.2321	none
PRAMEF1	-0.009	0.0088	-0.126	0.90268	0.942	-6.56	-0.4924	none
FUOM	-0.022	-0.0469	-0.126	0.90269	0.942	-6.56	-0.1472	none
SKI	0.036	0.2211	0.1253	0.90287	0.942	-6.56	0.53236	none
EFNA2	0.01	0.0293	0.1253	0.90287	0.942	-6.56	0.70347	none
FAM163B	0.016	0.0155	0.1251	0.90298	0.942	-6.56	0.37706	none
HIST1H2A	-0.023	-0.0708	-0.125	0.90304	0.942	-6.56	0.17261	none
SNAI1	-0.012	#####	-0.125	0.90316	0.942	-6.56	0.45956	none
ATAD1	-0.014	-0.1049	-0.125	0.90335	0.943	-6.56	1.23016	none
DAB2IP	-0.019	-0.0129	-0.124	0.90371	0.943	-6.56	0.61822	none
SYNPR	0.012	0.0414	0.1241	0.90375	0.943	-6.56	-0.5576	none
C1ORF112	-0.019	-0.0708	-0.124	0.90375	0.943	-6.56	0.66292	none



POU2F1	0.018	0.0637	0.1236	0.90417	0.943	-6.56	-0.0991	none
KCNK5	-0.015	0.0927	-0.123	0.90427	0.943	-6.56	-0.0408	none
ZC2HC1C	0.031	0.1007	0.1233	0.9044	0.943	-6.57	-0.3371	none
DCLRE1A	-0.015	0.0496	-0.123	0.9044	0.943	-6.57	0.12474	none
SLC36A4	0.022	-0.1057	0.1225	0.90499	0.944	-6.57	1.35146	none
PAM16	0.036	-0.0572	0.1225	0.90501	0.944	-6.57	0.90952	none
TMIGD1	0.009	0.0194	0.122	0.90537	0.944	-6.57	1.6907	none
SALL2	-0.012	0.0344	-0.122	0.90538	0.944	-6.57	0.75759	none
NUDC	-0.017	0.0835	-0.122	0.90568	0.944	-6.57	0.12798	none
LBP	-0.009	0.0201	-0.122	0.9057	0.944	-6.57	1.06325	none
GAP43	-0.01	-0.0066	-0.122	0.90571	0.944	-6.57	0.45885	none
B3GNT9	-0.011	-0.0089	-0.121	0.90593	0.944	-6.57	0.70296	none
GPR180	-0.012	-0.06	-0.121	0.90622	0.945	-6.57	0.42243	none
ELOF1	0.015	-0.0599	0.1209	0.90623	0.945	-6.57	0.44602	none
LPCAT2	-0.02	-0.162	-0.121	0.90631	0.945	-6.57	-0.6776	none
CDKN2A	0.015	-0.0387	0.1206	0.9065	0.945	-6.57	0.55055	none
SLC45A4	-0.016	0.0405	-0.121	0.90653	0.945	-6.57	0.40541	none
SH3GL3	0.02	0.0033	0.1205	0.90655	0.945	-6.57	0.52554	none
SMIM10L1	-0.015	0.0582	-0.12	0.9066	0.945	-6.57	1.75159	none
ACSL5	0.01	-0.0431	0.1202	0.90679	0.945	-6.57	0.77856	none
RABEP1	-0.013	0.115	-0.12	0.9071	0.945	-6.57	1.0376	none
GAGE2E	-0.02	-0.025	-0.12	0.90717	0.945	-6.57	-0.5568	none
MTURN	-0.016	-0.0585	-0.12	0.90727	0.945	-6.57	0.74324	none
DICER1	0.027	0.1607	0.1194	0.9074	0.945	-6.57	0.57762	none
AK6	0.013	-0.0562	0.1194	0.90741	0.945	-6.57	0.47857	none
FAM90A1	-0.012	-0.0152	-0.119	0.90746	0.945	-6.57	0.95781	none
CCNC	-0.016	-0.1325	-0.119	0.90758	0.945	-6.57	0.85698	none
OR6N1	-0.016	-0.0308	-0.119	0.90758	0.945	-6.57	0.43091	none
GAS1	0.009	0.0067	0.1191	0.90764	0.945	-6.57	0	none
VPS72	0.014	-0.0454	0.1191	0.90765	0.945	-6.57	0.34445	none
C17ORF98	0.011	-0.0082	0.1189	0.90777	0.945	-6.57	1.51499	none
TAF7	0.016	-0.0102	0.1188	0.90787	0.945	-6.57	0.92762	none
ALOXE3	-0.009	#####	-0.119	0.90798	0.945	-6.57	0.01161	none
OR2C3	0.008	0.0139	0.1181	0.90841	0.946	-6.57	-0.6989	none
AGXT2	0.01	0.0289	0.1181	0.90843	0.946	-6.57	0.83572	none
ACTG1	-0.016	-0.1097	-0.118	0.90845	0.946	-6.57	1.14398	none
ISG20	0.026	-0.0762	0.1176	0.90883	0.946	-6.57	0.75734	none
TACR1	0.017	0.0316	0.1173	0.909	0.946	-6.57	1.06981	none
HIRA	0.023	0.1387	0.1171	0.90914	0.946	-6.57	-0.006	none
SLC6A3	0.008	0.0087	0.1171	0.9092	0.946	-6.57	-0.0239	none

F2	0.013	0.0386	0.1169	0.9093	0.946	-6.57	1.41052	none
MTIF3	-0.022	-0.0543	-0.117	0.90955	0.946	-6.57	1.63402	none
SUCO	0.021	0.0553	0.1162	0.90985	0.947	-6.57	0.83249	none
YY2	-0.01	0.0249	-0.116	0.90989	0.947	-6.57	0.64892	none
IFI44	-0.022	-0.1635	-0.116	0.90994	0.947	-6.57	-0.0449	none
FBLL1	-0.01	0.0062	-0.116	0.91005	0.947	-6.57	0.76875	none
SLC6A20	0.018	-0.0248	0.1157	0.91023	0.947	-6.57	-0.2931	none
DNAH12	0.008	0.0024	0.1151	0.91071	0.947	-6.57	-0.3032	none
ARMC5	-0.01	0.0037	-0.114	0.91127	0.948	-6.57	0.12166	none
PIM1	-0.015	-0.047	-0.113	0.91198	0.948	-6.57	1.64221	none
FZD9	0.008	0.0248	0.1131	0.91227	0.949	-6.57	-0.1081	none
SKOR1	-0.008	0.0063	-0.113	0.91232	0.949	-6.57	0.02754	none
DDIT4L	0.017	0.0272	0.1129	0.91241	0.949	-6.57	1.36465	none
C1ORF198	0.018	0.1217	0.1127	0.91258	0.949	-6.57	0.92593	none
IL10RB	0.013	-0.1146	0.1127	0.91259	0.949	-6.57	0.45796	none
PIK3CG	-0.021	-0.0183	-0.113	0.91262	0.949	-6.57	0.81814	none
CYP26A1	0.008	0.0332	0.1123	0.91289	0.949	-6.57	-0.5039	none
NCAPG2	0.016	0.0974	0.1123	0.91292	0.949	-6.57	0.29335	none
PFN2	0.029	0.0151	0.1122	0.91295	0.949	-6.57	1.05498	none
C2CD4D	0.015	0.0912	0.1122	0.91296	0.949	-6.57	0.36514	none
MPP7	0.023	-0.0262	0.112	0.91311	0.949	-6.57	-0.0074	none
LRRN1	-0.009	0.0266	-0.112	0.91335	0.949	-6.57	-0.2868	none
SPINK5	-0.011	0.0163	-0.111	0.91362	0.949	-6.57	0.62207	none
RASAL3	0.021	0.1565	0.1113	0.91364	0.949	-6.57	1.02154	none
TLE3	0.022	0.1451	0.111	0.91391	0.95	-6.57	0.02218	none
UROC1	0.009	0.0082	0.111	0.91393	0.95	-6.57	1.25704	none
C16ORF71	-0.014	-0.0017	-0.111	0.91413	0.95	-6.57	-0.0855	none
CAP1	0.014	0.0545	0.11	0.91463	0.95	-6.57	0.82198	none
SH2D7	0.007	0.0166	0.1099	0.91474	0.95	-6.57	-0.5635	none
UBE2G1	0.015	0.0083	0.1096	0.91494	0.95	-6.57	0.82248	none
GLYCTK	0.019	0.0569	0.1094	0.91511	0.95	-6.57	1.24332	none
IFIT1	0.008	-0.0064	0.1094	0.91513	0.95	-6.57	0.04988	none
CHIC1	0.025	0.0031	0.1093	0.91522	0.95	-6.57	1.39798	none
ARFIP2	0.011	0.0119	0.1093	0.91524	0.95	-6.57	1.62782	none
DDTL	-0.023	0.1093	-0.109	0.91533	0.95	-6.57	0.8292	none
LYSMD1	0.01	0.0563	0.1091	0.91539	0.95	-6.57	1.22506	none
OR1L4	0.012	0.0118	0.1087	0.91564	0.951	-6.57	1.60326	none
CASQ2	-0.036	-0.1091	-0.109	0.91577	0.951	-6.57	-0.5171	none
WHRN	-0.014	0.0908	-0.108	0.91602	0.951	-6.57	0.36337	none
ARG1	-0.012	-0.0622	-0.108	0.91653	0.951	-6.57	1.39761	none

NFKBIE	-0.014	-0.0077	-0.107	0.91665	0.952	-6.57	0.44923	none
PICALM	-0.026	#####	-0.107	0.91676	0.952	-6.57	0.88605	none
PHACTR3	0.009	0.0094	0.1073	0.91679	0.952	-6.57	1.26592	none
LSP1	0.014	0.0852	0.107	0.91701	0.952	-6.57	1.10975	none
NR1D2	-0.018	-0.0543	-0.107	0.9172	0.952	-6.57	0.80843	none
AWAT2	0.009	0.0273	0.1063	0.91754	0.952	-6.57	0.76342	none
TSPAN7	-0.026	-0.0339	-0.106	0.91758	0.952	-6.57	0.2852	none
ZNF185	-0.008	0.0229	-0.106	0.91768	0.952	-6.57	2.01189	none
ARHGEF7	0.03	0.203	0.1061	0.9177	0.952	-6.57	0.31661	none
GOLPH3	-0.013	0.0012	-0.106	0.91798	0.952	-6.57	1.0798	none
CROCC2	0.011	-0.0137	0.1056	0.91805	0.952	-6.57	0.87021	none
FAM171A:	0.011	0.0865	0.1056	0.91807	0.952	-6.57	0.8858	none
PSMD3	0.011	0.0635	0.1053	0.91833	0.952	-6.57	1.34226	none
LRRC46	0.011	0.0844	0.1052	0.91834	0.952	-6.57	1.24564	none
KRTAP5-9	0.01	0.041	0.1051	0.91844	0.952	-6.57	0.9557	none
KDSR	-0.018	-0.0279	-0.105	0.91847	0.952	-6.57	1.04343	none
RNF32	0.015	0.0383	0.105	0.91849	0.952	-6.57	0.09668	none
MPV17L2	-0.012	-0.0143	-0.105	0.91853	0.952	-6.57	0.26673	none
PIAS3	0.013	0.0674	0.1049	0.91859	0.952	-6.57	1.22853	none
TARM1	-0.018	0.0329	-0.105	0.91863	0.952	-6.57	-0.1245	none
TXNDC5	-0.021	-0.0677	-0.105	0.91867	0.952	-6.57	-0.4828	none
UCK1	0.013	0.069	0.1048	0.91872	0.952	-6.57	-0.1657	none
ITIH4	0.028	0.0855	0.1047	0.91873	0.952	-6.57	0.01908	none
ZCCHC9	-0.016	-0.0644	-0.104	0.91893	0.953	-6.57	0.94458	none
GPR75	0.014	0.0568	0.1043	0.91906	0.953	-6.57	0.22877	none
ZFAND2B	-0.011	-0.031	-0.104	0.91939	0.953	-6.57	-0.1098	none
DPP10	-0.014	0.0047	-0.104	0.9196	0.953	-6.57	1.48707	none
PRADC1	-0.016	-0.1047	-0.103	0.92007	0.953	-6.57	0.37985	none
YWHAG	0.012	0.0149	0.1027	0.92033	0.954	-6.57	1.47528	none
STAT5A	0.011	0.0951	0.1024	0.92051	0.954	-6.57	1.16382	none
GMFB	-0.018	-0.1147	-0.102	0.92051	0.954	-6.57	0.65169	none
RAC3	-0.025	#####	-0.102	0.92061	0.954	-6.57	2.12653	AA-related
AGTRAP	0.016	-0.0478	0.1023	0.92061	0.954	-6.57	0.54438	none
TICAM1	0.013	0.0895	0.1021	0.92074	0.954	-6.57	1.09433	none
SCNN1B	0.013	0.0485	0.1021	0.92078	0.954	-6.57	0.40291	none
SCG5	-0.009	0.0443	-0.102	0.92088	0.954	-6.57	0.64017	none
IL17B	0.017	0.0679	0.1019	0.92091	0.954	-6.57	0.02031	none
CPN1	-0.011	-0.0388	-0.102	0.92106	0.954	-6.57	0.04383	none
ABHD17A	-0.019	-0.1121	-0.102	0.9212	0.954	-6.57	0.28089	none
UBA2	0.009	0.0414	0.1015	0.92125	0.954	-6.57	-0.6354	none

NSL1	-0.009	-0.1014	-0.101	0.92136	0.954	-6.57	1.52178	none
AKR1C3	-0.018	-0.0882	-0.101	0.92159	0.954	-6.57	0.25914	none
MEX3A	0.008	0.0267	0.1008	0.92176	0.954	-6.57	-0.0533	none
KRT75	-0.007	-0.0071	-0.101	0.92196	0.954	-6.57	0	none
ZCCHC14	-0.018	0.1307	-0.1	0.92212	0.955	-6.57	0.71338	none
DCUN1D1	-0.007	-0.0549	-0.1	0.92224	0.955	-6.57	0.14977	none
FAM166A	-0.01	-0.0029	-0.1	0.92235	0.955	-6.57	0.39365	none
ZCCHC12	-0.008	0.028	-0.1	0.92244	0.955	-6.57	0.03917	none
FRAS1	-0.007	0.0027	-0.1	0.92269	0.955	-6.57	-0.6442	none
GOLGA5	-0.023	0.0892	-0.1	0.92271	0.955	-6.57	0.82353	none
MAPT	-0.008	0.0079	-0.1	0.92274	0.955	-6.57	-0.2231	none
WDR49	0.007	-0.0091	0.0989	0.92323	0.955	-6.57	0.30003	none
PYGO2	-0.008	-0.0164	-0.099	0.92352	0.956	-6.57	1.73673	none
UBXN10	-0.007	0.0137	-0.099	0.92354	0.956	-6.57	0.31413	none
CMTM1	0.025	0.1211	0.0984	0.92367	0.956	-6.57	0.02104	none
LSMEM2	0.007	0.0169	0.0982	0.92381	0.956	-6.57	1.17577	none
VEPH1	0.022	#####	0.0976	0.92424	0.956	-6.57	1.24006	none
MAMDC2	-0.009	-0.0114	-0.097	0.92434	0.956	-6.57	-0.2612	none
SMKR1	-0.023	-0.0719	-0.097	0.92435	0.956	-6.57	1.59354	none
ZNF462	-0.008	-0.0126	-0.097	0.92452	0.956	-6.57	0.18109	none
ITGA7	0.024	0.0659	0.097	0.92468	0.956	-6.57	0.08437	none
SH3D19	-0.018	-0.0503	-0.097	0.9247	0.956	-6.57	0.17167	none
SLC29A1	-0.012	0.0236	-0.097	0.92503	0.957	-6.57	0.4543	none
RSPH14	0.012	0.0977	0.0964	0.92519	0.957	-6.57	0.13261	none
ADSS	0.009	-0.0063	0.0961	0.92541	0.957	-6.57	1.76384	none
PRSS12	0.008	0.0151	0.0961	0.92542	0.957	-6.57	0.27288	none
GPR25	-0.013	0.0266	-0.096	0.92543	0.957	-6.57	0.13987	none
TEC	-0.018	-0.0327	-0.096	0.92548	0.957	-6.57	0.44983	none
TCEAL1	-0.015	-0.1122	-0.096	0.9256	0.957	-6.57	-0.0309	none
PURA	0.016	0.0331	0.0958	0.92565	0.957	-6.57	0.51329	none
ECM1	-0.016	-0.0737	-0.096	0.92571	0.957	-6.57	-0.2028	none
ABCB6	0.01	-0.0573	0.0953	0.92599	0.957	-6.57	0.68802	none
MN1	-0.007	-0.0148	-0.095	0.92628	0.957	-6.57	1.60331	none
FAM19A2	-0.03	-0.0797	-0.095	0.92633	0.957	-6.57	0.55411	none
TRAPPC9	0.013	0.1435	0.0946	0.92657	0.957	-6.57	0.40108	none
RORA	0.012	0.005	0.0944	0.92675	0.958	-6.57	1.24983	none
PTPN6	0.013	0.1122	0.0941	0.92693	0.958	-6.57	0.4295	none
MS4A15	0.007	0.0041	0.0936	0.92734	0.958	-6.57	0.21746	none
YBX1	0.019	0.1379	0.0929	0.92791	0.959	-6.57	-0.2035	none
MAPK13	-0.009	-0.0132	-0.093	0.92792	0.959	-6.57	0.82661	none

KLHDC7B	0.012	0.0237	0.0926	0.92808	0.959	-6.57	1.61191	none
THAP3	-0.015	0.0135	-0.092	0.92834	0.959	-6.57	1.12104	none
CDK3	-0.014	0.0557	-0.092	0.92843	0.959	-6.57	1.19668	none
TRABD	0.009	-0.0131	0.092	0.92854	0.959	-6.57	1.62948	none
MTA2	0.018	0.0977	0.0918	0.92876	0.959	-6.57	1.13287	none
NCAM1	-0.018	0.0775	-0.092	0.92896	0.959	-6.57	-0.4201	none
CELSR2	-0.008	0.0248	-0.091	0.929	0.959	-6.57	1.33733	none
POLR2E	0.012	0.045	0.0912	0.92922	0.959	-6.57	-0.4423	none
SLC9A3R2	0.018	0.0059	0.091	0.92937	0.959	-6.57	0.05395	none
LRRC7	-0.032	0.0508	-0.091	0.9294	0.959	-6.57	0.54869	none
TBR1	0.006	0.0167	0.0906	0.92968	0.96	-6.57	0.02522	none
MEST	-0.022	-0.1428	-0.09	0.92975	0.96	-6.57	1.39642	none
TIA1	0.013	-0.05	0.0903	0.92992	0.96	-6.57	-0.1783	none
ATP13A3	0.017	0.0736	0.0901	0.93007	0.96	-6.57	0.3378	none
KLK1	-0.01	-0.0199	-0.09	0.93011	0.96	-6.57	0.28496	none
CTAGE8	-0.008	0.0293	-0.09	0.93015	0.96	-6.57	0.36431	none
KIAA1143	0.013	0.0501	0.0895	0.93053	0.96	-6.57	-0.5786	none
RAD21L1	-0.008	0.0227	-0.089	0.93063	0.96	-6.57	-0.3399	none
TSTD1	0.018	-0.0654	0.089	0.93087	0.96	-6.57	0.3694	none
WASL	0.009	0.0183	0.0888	0.93107	0.96	-6.57	0.92457	none
RPS4Y1	0.014	-0.1107	0.0887	0.93114	0.96	-6.57	0.99107	none
LYAR	0.02	0.1615	0.0887	0.93115	0.96	-6.57	0.54848	none
DNAJC8	0.012	0.0765	0.0887	0.93117	0.96	-6.57	-0.0666	none
VIT	-0.008	0.0171	-0.089	0.93118	0.96	-6.57	-0.0843	none
GPR84	0.009	0.011	0.0886	0.93119	0.96	-6.57	-0.201	none
CCL4	-0.014	0.0209	-0.089	0.9312	0.96	-6.57	0.50245	none
MPND	-0.027	-0.0519	-0.088	0.93142	0.961	-6.57	-0.6496	none
CLDN24	0.007	0.0249	0.0882	0.93154	0.961	-6.57	0.99228	none
TMEM199	0.011	-0.0455	0.088	0.93169	0.961	-6.57	1.06063	none
CPNE5	0.007	0.0027	0.0876	0.93197	0.961	-6.57	0.06927	none
TRMO	0.011	-0.0461	0.0874	0.93215	0.961	-6.57	1.30886	none
LBH	0.01	-0.0258	0.0874	0.93217	0.961	-6.57	0.54016	none
CNTNAP5	0.014	0.0193	0.0873	0.93223	0.961	-6.57	1.13402	none
ABCC5	-0.011	0.0566	-0.087	0.93227	0.961	-6.57	-0.2047	none
SLC25A44	-0.01	-0.0206	-0.087	0.93227	0.961	-6.57	1.18399	none
GABRR3	0.006	-0.001	0.0871	0.93241	0.961	-6.57	1.36185	none
TRPA1	-0.008	0.0132	-0.087	0.93243	0.961	-6.57	0.29617	none
CHRM4	0.006	0.0216	0.087	0.93244	0.961	-6.57	-0.0767	none
DPYS	-0.013	-0.0086	-0.087	0.93255	0.961	-6.57	0.82034	none
MC5R	-0.007	0.0141	-0.087	0.93259	0.961	-6.57	0.36216	none

B3GNT2	0.013	0.0096	0.0865	0.9328	0.961	-6.57	1.59649	none
ZNF189	-0.011	0.0337	-0.087	0.93281	0.961	-6.57	0.45885	none
ZNF75D	0.014	0.0922	0.0865	0.93282	0.961	-6.57	1.87537	none
IGFL3	0.009	0.0424	0.0864	0.93288	0.961	-6.57	1.23377	none
ARR3	0.009	-0.0132	0.0863	0.93303	0.961	-6.57	1.00829	none
SLAIN2	-0.017	0.0657	-0.086	0.93304	0.961	-6.57	0.80921	none
XPR1	-0.013	#####	-0.086	0.93309	0.961	-6.57	0.53146	none
MFAP1	-0.017	0.078	-0.086	0.9331	0.961	-6.57	0.96409	none
FAM206A	-0.012	0.0081	-0.086	0.93328	0.961	-6.57	0.00173	none
CEACAM6	0.015	0.0061	0.0856	0.93351	0.961	-6.57	1.45518	none
CRACR2B	0.011	-0.0142	0.0856	0.93354	0.961	-6.57	1.21105	none
SMN1	0.015	0.101	0.0855	0.93359	0.961	-6.57	1.82907	none
PTGS2	0.011	0.0331	0.0855	0.93361	0.961	-6.57	1.15038	none
WFDC5	0.009	0.0095	0.0855	0.93364	0.961	-6.57	0.66722	none
PPP1R1A	-0.01	-0.0074	-0.085	0.93365	0.961	-6.57	0.98675	none
NFE2	-0.009	-0.0092	-0.085	0.93374	0.961	-6.57	0.7272	none
ATOH7	0.009	0.0086	0.0848	0.93417	0.962	-6.57	-0.4546	none
GABRA2	-0.006	0.0037	-0.084	0.93459	0.962	-6.57	-0.4209	none
UNC5C	0.007	0.0111	0.0842	0.93464	0.962	-6.57	1.26835	none
MTOR	0.021	0.2079	0.084	0.93474	0.962	-6.57	0.28918	none
ITGAM	0.016	-0.0397	0.0837	0.93497	0.962	-6.57	0.09707	none
RGS3	0.011	0.0601	0.0837	0.93498	0.962	-6.57	1.18986	none
GZMK	-0.01	-0.0211	-0.084	0.93502	0.962	-6.57	0.71141	none
CFAP36	-0.014	-0.0346	-0.083	0.93549	0.963	-6.57	0.08153	none
KBTBD4	0.007	-0.0578	0.0829	0.93563	0.963	-6.57	0.75971	none
BHMG1	0.006	0.016	0.0828	0.93568	0.963	-6.57	0.89996	none
COLGALT2	-0.006	0.0272	-0.083	0.93576	0.963	-6.57	0.07787	none
MTAP	0.007	0.0267	0.0824	0.93601	0.963	-6.57	0.77476	none
LCMT1	-0.017	-0.1012	-0.082	0.9361	0.963	-6.57	-0.1379	none
FAM71B	-0.006	0.0047	-0.082	0.93634	0.963	-6.57	0.73711	none
TMEM62	0.012	-0.0689	0.0817	0.93653	0.963	-6.57	1.13506	none
C16ORF92	0.02	0.0203	0.0811	0.93698	0.964	-6.57	-0.1693	none
HLA-DQA1	-0.014	-0.0804	-0.081	0.93704	0.964	-6.57	-0.509	none
TNFSF4	0.007	0.0162	0.081	0.93712	0.964	-6.57	0.39436	none
MICA	-0.015	-0.1098	-0.081	0.93722	0.964	-6.57	0.00146	none
PIEZO2	-0.023	0.0833	-0.081	0.93727	0.964	-6.57	0.23563	none
C5ORF30	-0.016	-0.0458	-0.081	0.93748	0.964	-6.57	0.8272	none
PLSCR4	0.007	0.0255	0.0804	0.93754	0.964	-6.57	-0.669	none
NEU2	0.006	0.0146	0.0803	0.93763	0.964	-6.57	-0.3711	none
LTV1	-0.019	0.1076	-0.08	0.93781	0.964	-6.57	1.11928	none

MTX1	0.008	-0.0137	0.0799	0.93794	0.964	-6.57	0.21069	none
PHRF1	0.025	0.2105	0.0799	0.93799	0.964	-6.57	0.66121	none
GPR34	0.01	-0.0409	0.0797	0.93807	0.964	-6.57	1.25025	none
NPDC1	0.022	-0.0034	0.0795	0.93828	0.964	-6.57	0.48007	none
TSTA3	-0.009	-0.0166	-0.079	0.93865	0.965	-6.57	1.58685	none
NOMO1	0.021	0.1462	0.079	0.93868	0.965	-6.57	0.25217	none
SAMD11	0.006	0.0216	0.0789	0.93869	0.965	-6.57	-0.2607	none
ALG1	0.009	-0.0152	0.0789	0.93872	0.965	-6.57	-0.2914	none
CCDC112	0.013	-0.0048	0.0788	0.93882	0.965	-6.57	1.43345	none
COL4A3	0.007	0.0057	0.0784	0.93909	0.965	-6.57	-0.5368	none
OR11H12	-0.008	0.0238	-0.078	0.93914	0.965	-6.57	0.32805	none
CPLX1	0.007	-0.0044	0.0782	0.93927	0.965	-6.57	1.15582	none
NR2F6	0.016	0.0546	0.0782	0.93928	0.965	-6.57	1.01099	none
AC069499	0.022	0.1449	0.0778	0.93959	0.965	-6.57	0.54886	none
PSMD8	-0.007	-0.0457	-0.077	0.94005	0.965	-6.57	-0.5311	none
CD2AP	0.02	0.1987	0.0768	0.94037	0.966	-6.57	1.07685	none
DEK	0.014	0.1044	0.0767	0.94044	0.966	-6.57	1.35698	none
ANXA6	-0.011	0.045	-0.077	0.94048	0.966	-6.57	1.07244	none
OR2A7	0.007	0.065	0.0766	0.94053	0.966	-6.57	0.94039	none
PXMP2	0.015	-0.0231	0.0765	0.94062	0.966	-6.57	-0.0433	none
NUTM2G	-0.008	0.0035	-0.076	0.94063	0.966	-6.57	-0.8736	none
NT5M	-0.023	-0.0679	-0.076	0.94073	0.966	-6.57	-0.268	none
ZNF366	-0.009	-0.0337	-0.076	0.94086	0.966	-6.57	0.80535	none
TBC1D16	0.009	0.0497	0.0759	0.94108	0.966	-6.57	0.56431	none
ZC3H12C	-0.009	0.0473	-0.076	0.94127	0.966	-6.57	0.72358	none
ABCF2	0.013	0.1228	0.0754	0.94145	0.966	-6.57	1.28015	none
UBXN1	-0.008	-0.0131	-0.075	0.94159	0.966	-6.57	0.61725	none
SYCN	0.007	0.028	0.0751	0.94166	0.966	-6.57	1.46578	none
TAF11	0.007	-0.024	0.075	0.94174	0.966	-6.57	0.82032	none
DKC1	0.005	0.0112	0.0749	0.9418	0.966	-6.57	0.58128	none
FERMT3	-0.008	0.0612	-0.075	0.94196	0.966	-6.57	0.61629	none
PRPF38A	-0.005	-0.0669	-0.074	0.94218	0.967	-6.57	0.26778	none
POMC	0.013	-0.0222	0.0744	0.94223	0.967	-6.57	0.52158	none
ERGIC3	-0.01	-0.0728	-0.074	0.94242	0.967	-6.57	0.93119	none
WDR38	-0.006	0.029	-0.074	0.94271	0.967	-6.57	-0.3059	none
MYSM1	0.022	0.119	0.0737	0.94275	0.967	-6.57	0.69073	none
KDELC1	0.011	0.029	0.0737	0.94278	0.967	-6.57	0.2611	none
NUBP2	0.01	-0.0217	0.0736	0.94285	0.967	-6.57	0.4706	none
TRIM27	-0.041	0.0369	-0.073	0.94317	0.967	-6.57	1.24359	none
CNGB3	-0.006	#####	-0.073	0.94331	0.967	-6.57	-0.4367	none

ZNF521	0.015	0.023	0.0726	0.94361	0.968	-6.57	1.33677	none
GPAA1	-0.009	-0.0326	-0.072	0.9437	0.968	-6.57	1.64187	none
UNC5B	-0.005	0.0136	-0.072	0.94371	0.968	-6.57	0	none
CCNK	-0.019	0.1063	-0.072	0.94393	0.968	-6.57	0.99432	none
ZNF782	0.01	0.0453	0.0722	0.94394	0.968	-6.57	-0.1483	none
RFNG	-0.014	-0.0555	-0.072	0.94402	0.968	-6.57	0.52227	none
RGS2	0.012	-0.0225	0.072	0.94405	0.968	-6.57	-0.0422	none
GPR171	-0.015	-0.1011	-0.072	0.94407	0.968	-6.57	-0.1383	none
LYPD3	0.009	-0.0172	0.0718	0.94426	0.968	-6.57	1.58415	none
SUGCT	0.007	#####	0.0716	0.94435	0.968	-6.57	0.75764	none
KLRC1	0.01	0.0973	0.0715	0.94447	0.968	-6.57	1.15956	none
PYURF	-0.008	-0.0682	-0.071	0.94469	0.968	-6.57	0.28002	none
RBPJ	0.006	-0.0358	0.0711	0.94473	0.968	-6.57	0.03642	none
CUBN	-0.008	-0.0421	-0.071	0.94477	0.968	-6.57	-0.3811	none
CHUK	-0.013	0.0364	-0.071	0.94494	0.968	-6.57	0.85022	none
HSD17B8	-0.011	0.0207	-0.071	0.94494	0.968	-6.57	0.64014	none
SMC2	0.03	0.2871	0.0704	0.94533	0.968	-6.57	0.58617	none
KDELR1	-0.01	-0.0463	-0.07	0.94542	0.968	-6.57	0.58061	none
C9ORF131	0.019	-0.0131	0.0701	0.94553	0.969	-6.57	-0.5496	none
SPC25	-0.03	0.0924	-0.07	0.94574	0.969	-6.57	0.33101	none
NKX2-5	-0.008	-0.0397	-0.07	0.9458	0.969	-6.57	1.59014	none
PITHD1	0.008	-0.0253	0.0697	0.94587	0.969	-6.57	1.45131	none
IL17REL	0.005	0.01	0.0694	0.9461	0.969	-6.57	-0.5592	none
UPP1	-0.014	-0.0619	-0.069	0.94616	0.969	-6.57	0.0371	none
KIAA0895L	-0.007	-0.0201	-0.069	0.94629	0.969	-6.57	-0.4977	none
SYNC	0.007	0.0464	0.0691	0.94631	0.969	-6.57	0.68058	none
RBM7	-0.015	-0.1536	-0.069	0.94647	0.969	-6.57	0.29526	none
C11ORF97	0.007	0.0073	0.0687	0.94664	0.969	-6.57	1.37194	none
KRT36	0.005	0.0051	0.0685	0.94675	0.969	-6.57	0	none
CAB39	-0.011	0.0609	-0.069	0.94675	0.969	-6.57	0.7411	none
GRPEL2	-0.01	-0.0471	-0.069	0.94678	0.969	-6.57	0.86325	none
KRTAP13-1	0.007	0.0069	0.0683	0.94695	0.969	-6.57	-0.148	none
ARHGAP18	0.012	0.0451	0.068	0.94718	0.969	-6.57	0.0298	none
ST8SIA2	-0.005	0.0052	-0.068	0.94723	0.969	-6.57	0	none
B4GALT1	0.008	0.0205	0.0678	0.94733	0.969	-6.57	-0.3719	none
RNPS1	-0.006	0.0352	-0.068	0.9474	0.969	-6.57	-0.0224	none
TMUB1	0.007	-0.0102	0.0676	0.9475	0.969	-6.57	0.28728	none
CRYGS	-0.028	0.0586	-0.067	0.94767	0.969	-6.57	1.21289	none
NSMCE4A	0.007	-0.0147	0.0673	0.94769	0.969	-6.57	1.05768	none
HPR	0.005	-0.0135	0.0672	0.94778	0.969	-6.57	1.2109	none



SPA17	-0.013	-0.0259	-0.067	0.9478	0.969	-6.57	-0.3041	none
BRMS1	-0.006	#####	-0.067	0.94781	0.969	-6.57	0.53643	none
DDX20	0.006	0.0624	0.067	0.94793	0.97	-6.57	1.67102	none
GMDS	-0.007	#####	-0.067	0.94809	0.97	-6.57	1.42606	none
ATXN1L	0.009	0.0221	0.0664	0.94838	0.97	-6.57	1.62094	none
TIMM22	0.054	-0.0467	0.0664	0.94842	0.97	-6.57	-0.4594	none
GZF1	0.016	0.1122	0.0663	0.94851	0.97	-6.57	0.77084	none
C11ORF58	0.009	-0.0759	0.0662	0.94858	0.97	-6.57	-0.4708	none
CCDC51	0.009	-0.0198	0.066	0.94874	0.97	-6.57	-0.2704	none
LRRC52	0.005	0.0181	0.066	0.94876	0.97	-6.57	1.24597	none
BLOC1S5-1	-0.023	0.1034	-0.066	0.94888	0.97	-6.57	0.84742	none
TSSC4	-0.006	0.0076	-0.066	0.94889	0.97	-6.57	0.17893	none
RIBC2	-0.011	0.0865	-0.066	0.94893	0.97	-6.57	1.51532	none
FAM185A	-0.006	0.0462	-0.066	0.94898	0.97	-6.57	0.90676	none
TSPO2	0.008	0.0246	0.0656	0.94905	0.97	-6.57	0.37431	none
COL4A5	0.009	0.0147	0.0655	0.94913	0.97	-6.57	-0.0943	none
LRRC30	0.006	0.0055	0.0647	0.94974	0.971	-6.57	-0.2947	none
HMGA1	-0.006	0.0161	-0.065	0.94985	0.971	-6.57	1.38879	none
IL17F	0.026	-0.0924	0.0641	0.95017	0.971	-6.57	0.55248	none
PRIMPOL	-0.008	-0.0521	-0.064	0.95041	0.971	-6.57	-0.6641	none
TPRKB	-0.008	-0.1076	-0.064	0.95055	0.971	-6.57	0.50693	none
RAPGEFL1	0.01	0.1378	0.0636	0.95062	0.971	-6.57	0.22076	none
SERINC3	-0.009	-0.1058	-0.063	0.95067	0.971	-6.57	0.94755	none
ESRP2	0.012	0.0938	0.0632	0.95089	0.971	-6.57	0.86638	none
CXCL2	-0.006	0.0204	-0.063	0.951	0.971	-6.57	0.43905	none
WIZ	0.012	0.1766	0.063	0.95102	0.971	-6.57	0.71903	none
DCUN1D3	-0.009	#####	-0.063	0.95129	0.972	-6.57	1.68064	none
LMNTD2	0.006	0.0365	0.0626	0.95135	0.972	-6.57	-0.1468	none
FUNDC2	-0.007	-0.0801	-0.062	0.95165	0.972	-6.57	0.55195	none
FARSB	0.007	0.0092	0.0622	0.95167	0.972	-6.57	1.0523	none
RNF146	0.006	-0.0215	0.0621	0.95172	0.972	-6.57	0.24965	none
SPACA3	-0.007	0.0196	-0.062	0.95196	0.972	-6.57	1.07615	none
HPSE	0.008	-0.1052	0.0618	0.95196	0.972	-6.57	0.41096	none
CIAPIN1	0.006	-0.0304	0.0615	0.95218	0.972	-6.57	0.17196	none
SHARPIN	0.007	0.0065	0.0614	0.9523	0.972	-6.57	-0.024	none
POLDIP2	0.007	#####	0.0609	0.95266	0.972	-6.57	0.88428	none
TEX261	-0.006	-0.0013	-0.061	0.95277	0.973	-6.57	0.5053	none
SSX3	-0.007	0.0112	-0.061	0.95295	0.973	-6.57	0.56893	none
TWF1	-0.007	-0.0167	-0.06	0.95322	0.973	-6.57	1.5032	none
CA8	0.005	0.0217	0.0601	0.95334	0.973	-6.57	1.256	none

DNAJC5	-0.006	0.0546	-0.06	0.95353	0.973	-6.57	0.88014	none
SEC24A	0.006	0.0195	0.0597	0.95362	0.973	-6.57	0.84923	none
EIF5A2	0.011	-0.1178	0.0597	0.95363	0.973	-6.57	0.83784	none
MRGBP	-0.006	0.0215	-0.06	0.95364	0.973	-6.57	0.7042	none
CACNG6	0.005	0.0113	0.0592	0.95402	0.973	-6.57	0.26554	none
HDC	-0.006	-0.0188	-0.059	0.95415	0.973	-6.57	1.6195	none
PPP2R2C	-0.011	0.0072	-0.059	0.95438	0.973	-6.57	0.64831	none
TNFRSF9	-0.007	0.0473	-0.059	0.95443	0.973	-6.57	0.10587	none
MTF1	0.013	0.0454	0.0586	0.95444	0.973	-6.57	0.00574	none
CWC27	-0.015	0.0708	-0.059	0.95449	0.973	-6.57	1.30395	none
SMPD2	-0.007	-0.0747	-0.058	0.95457	0.974	-6.57	0.41459	none
MRPL2	0.007	-0.0368	0.0584	0.95464	0.974	-6.57	-0.2125	none
C1QL3	0.005	0.0383	0.0581	0.95483	0.974	-6.57	0.7104	none
MFSD2A	0.007	0.0131	0.0578	0.95506	0.974	-6.57	0.5431	none
HOXD3	0.009	0.0399	0.0563	0.95624	0.975	-6.57	0.2307	none
AMY1A	-0.006	0.0133	-0.056	0.95634	0.975	-6.57	1.89673	none
TRMT61A	0.004	0.0554	0.0561	0.9564	0.975	-6.57	0.41957	none
ABCC12	0.005	0.0519	0.0561	0.95641	0.975	-6.57	-0.5518	none
ACTA1	-0.005	#####	-0.056	0.95641	0.975	-6.57	-0.3604	none
ZNF593	0.007	-0.0051	0.0554	0.95694	0.975	-6.57	1.56814	none
PRNP	0.005	-0.0406	0.0548	0.95744	0.976	-6.57	1.24899	none
INIP	0.006	-0.041	0.0547	0.95752	0.976	-6.57	-0.6117	none
AES	0.01	0.0568	0.0547	0.95753	0.976	-6.57	1.09603	none
TMEM9	0.009	-0.073	0.0546	0.95757	0.976	-6.57	-0.0396	none
LPL	-0.006	0.0122	-0.055	0.95759	0.976	-6.57	0.61384	none
LTBP1	0.005	0.0328	0.0545	0.95762	0.976	-6.57	0.22779	none
WDR70	0.013	0.0587	0.0543	0.95782	0.976	-6.57	0.62237	none
TRAF1	-0.008	0.1102	-0.054	0.9579	0.976	-6.57	1.36783	none
AK5	-0.018	-0.0477	-0.054	0.95794	0.976	-6.57	0.65554	none
USP20	0.007	0.1005	0.054	0.95804	0.976	-6.57	-0.003	none
MERTK	0.006	-0.0273	0.0539	0.95808	0.976	-6.57	1.2867	none
AZGP1	-0.007	0.0128	-0.054	0.95816	0.976	-6.57	0.0816	none
FRAT2	-0.008	-0.0292	-0.054	0.95819	0.976	-6.57	-0.502	none
SORD	0.006	0.0132	0.0535	0.95839	0.976	-6.57	1.13224	none
CEACAM1	-0.004	0.0087	-0.053	0.95844	0.976	-6.57	1.05833	none
TRIM74	-0.004	-0.0045	-0.053	0.95865	0.976	-6.57	-0.8801	none
ATP6AP1	0.006	-0.0238	0.053	0.95879	0.976	-6.57	0.90592	none
TRAPPC6A	-0.007	-0.065	-0.053	0.95889	0.976	-6.57	1.21548	none
ZNF367	0.006	0.0427	0.0529	0.95892	0.976	-6.57	0.18393	none
RNMT	-0.01	0.0146	-0.053	0.95893	0.976	-6.57	0.07863	none

DDX1	-0.008	0.0565	-0.053	0.95917	0.976	-6.57	1.31429	none
PPP1R3E	-0.007	-0.0291	-0.052	0.95924	0.976	-6.57	-0.0294	none
SLC35G1	-0.01	-0.0457	-0.052	0.95957	0.977	-6.57	0.22408	none
MAPK4	-0.004	#####	-0.052	0.95958	0.977	-6.57	-0.1593	none
BEND3	0.008	0.111	0.0516	0.95988	0.977	-6.57	0.25606	none
TCTEX1D4	0.007	0.0198	0.0514	0.96004	0.977	-6.57	0.2484	none
PCNP	-0.004	-0.0122	-0.051	0.96012	0.977	-6.57	-0.8827	none
APOO	-0.008	-0.1214	-0.051	0.96051	0.977	-6.57	0.11561	none
ALDH3A2	-0.005	-0.0485	-0.051	0.96052	0.977	-6.57	-0.4549	none
LY96	-0.011	-0.267	-0.05	0.96087	0.978	-6.57	0.01456	none
MAP2K6	0.011	-0.0133	0.0503	0.96089	0.978	-6.57	-0.6534	none
JUND	-0.006	0.0161	-0.05	0.96095	0.978	-6.57	-0.2291	none
APOC4-AP	0.004	0.0152	0.0501	0.9611	0.978	-6.57	0	none
RGPD2	-0.011	0.0243	-0.05	0.96115	0.978	-6.57	0.09376	none
HBD	-0.005	0.0105	-0.05	0.96116	0.978	-6.57	0.8233	none
PI15	-0.004	-0.001	-0.05	0.9612	0.978	-6.57	0	none
CCDC82	-0.011	-0.0213	-0.05	0.96147	0.978	-6.57	-0.2567	none
PLAGL1	0.007	0.0171	0.0495	0.96154	0.978	-6.57	-0.2035	none
UBALD1	-0.011	0.0251	-0.049	0.96163	0.978	-6.57	0.69634	none
RAI14	-0.011	-0.035	-0.049	0.96172	0.978	-6.57	1.0389	none
PRMT2	-0.005	#####	-0.049	0.96173	0.978	-6.57	0.69787	none
ZFP36	-0.006	-0.0459	-0.049	0.96178	0.978	-6.57	1.288	none
IL1A	0.005	0.0619	0.049	0.96192	0.978	-6.57	-0.0109	none
DNAJB2	0.007	0.0615	0.0488	0.96203	0.978	-6.57	1.09615	none
PRH2	0.004	0.0122	0.0488	0.96205	0.978	-6.57	1.18522	none
ITGB4	0.013	-0.061	0.0487	0.96211	0.978	-6.57	0.26494	none
ERICH3	-0.008	-0.0126	-0.049	0.96216	0.978	-6.57	1.31447	none
MGME1	0.005	0.0162	0.0486	0.9622	0.978	-6.57	0.37081	none
PPAN-P2R	-0.01	0.0851	-0.048	0.9624	0.978	-6.57	0.34624	none
ACKR1	0.003	0.0125	0.0484	0.96241	0.978	-6.57	-0.4888	none
TMEM191	-0.005	-0.0078	-0.048	0.96242	0.978	-6.57	-0.2258	none
CPNE3	-0.005	-0.0871	-0.048	0.96263	0.978	-6.57	0.16209	none
FOXRED1	-0.005	-0.0197	-0.048	0.96286	0.978	-6.57	0.96559	none
RNPC3	-0.008	-0.012	-0.048	0.96288	0.978	-6.57	1.31909	none
SH2B2	0.012	0.15	0.0476	0.963	0.978	-6.57	0.08109	none
WNT6	0.005	0.0198	0.0468	0.96362	0.979	-6.57	-0.3005	none
OR6V1	-0.003	0.0154	-0.046	0.96402	0.979	-6.57	-0.1122	none
WDR1	-0.006	0.0469	-0.046	0.96404	0.979	-6.57	1.07619	none
CD207	0.003	0.01	0.0462	0.96406	0.979	-6.57	0	none
CYB5R1	0.005	-0.0935	0.0461	0.96417	0.979	-6.57	-0.4599	none

RALGAPA2	-0.008	0.0343	-0.046	0.96418	0.979	-6.57	-0.1939	none
LHB	0.009	0.024	0.046	0.96423	0.979	-6.57	-0.7486	none
FBXO3	-0.009	-0.0651	-0.046	0.96437	0.979	-6.57	-0.4489	none
TSN	0.005	-0.0639	0.0454	0.96471	0.98	-6.57	0.21263	none
TEAD3	-0.004	0.018	-0.045	0.96476	0.98	-6.57	1.70801	none
SPCS2	-0.006	-0.0674	-0.045	0.96495	0.98	-6.57	-0.4096	none
BAX	-0.005	0.02	-0.045	0.96498	0.98	-6.57	0.56875	none
TREML1	0.004	0.0303	0.045	0.96502	0.98	-6.57	0.39779	none
TMEM161	-0.005	-0.0081	-0.045	0.96502	0.98	-6.57	0.67719	none
RNF219	-0.005	-0.0216	-0.045	0.96502	0.98	-6.57	0.9533	none
CELSR1	0.005	0.0529	0.0448	0.96516	0.98	-6.57	-0.0698	none
SPATA22	0.005	0.0035	0.0448	0.96519	0.98	-6.57	0.20182	none
FAM47B	0.003	0.0031	0.0448	0.9652	0.98	-6.57	0	none
KCNS1	0.004	0.0045	0.0447	0.96527	0.98	-6.57	0.04782	none
CXCL9	0.004	0.0254	0.0445	0.96539	0.98	-6.57	0.03773	none
FOXE1	0.004	0.0072	0.0445	0.96545	0.98	-6.57	0.99052	none
WDR5	0.004	0.0491	0.0444	0.96553	0.98	-6.57	1.61663	none
PTGS1	-0.004	0.0393	-0.044	0.96554	0.98	-6.57	0.27175	none
LUZP4	0.003	0.0133	0.0441	0.9657	0.98	-6.57	0	none
PUS7L	-0.006	-0.0481	-0.044	0.96598	0.98	-6.57	0.37051	none
TRIM49B	0.005	0.0075	0.0437	0.966	0.98	-6.57	1.15927	none
CACHD1	0.003	0.0158	0.0437	0.96606	0.98	-6.57	1.48108	none
EEPD1	-0.009	-0.0089	-0.044	0.96608	0.98	-6.57	0.50496	none
MAP2	-0.003	0.0036	-0.044	0.96608	0.98	-6.57	-0.6683	none
TP53RK	-0.005	-0.0499	-0.043	0.96641	0.98	-6.57	1.19447	none
RYK	-0.011	-0.0557	-0.043	0.96657	0.98	-6.57	1.01635	none
SLC19A2	0.007	0.015	0.0429	0.96663	0.98	-6.57	1.37488	none
P2RX1	0.004	0.0166	0.0429	0.96666	0.98	-6.57	1.3633	none
VSIG4	-0.003	0.0034	-0.043	0.96695	0.98	-6.57	0	none
FLAD1	0.005	-0.0121	0.0424	0.96706	0.98	-6.57	0.55	none
AC026348	-0.005	-0.0265	-0.042	0.9674	0.981	-6.57	-0.0662	none
KCNA2	-0.004	0.0443	-0.042	0.96742	0.981	-6.57	0.58326	none
HTR5A	0.003	0.0076	0.0416	0.96768	0.981	-6.57	0	none
KATNB1	-0.005	0.0348	-0.041	0.96778	0.981	-6.57	1.3184	none
S100A2	-0.007	-0.0118	-0.041	0.96811	0.981	-6.57	0.70425	none
DHRS3	0.005	-0.0616	0.0409	0.96817	0.981	-6.57	-0.6478	none
IFNAR2	0.005	-0.0817	0.0405	0.96849	0.981	-6.57	0.88523	none
ST6GALNA	0.005	0.0036	0.0404	0.96858	0.981	-6.57	-0.6397	none
GNAQ	-0.005	-0.0171	-0.04	0.96879	0.982	-6.57	-0.2599	none
ZNF205	0.006	-0.018	0.0401	0.96879	0.982	-6.57	1.06523	none

FKBP4	-0.004	0.0375	-0.04	0.96881	0.982	-6.57	0.42223	none
GALP	0.003	0.0151	0.04	0.96892	0.982	-6.57	-0.314	none
ZFP69B	-0.004	0.0232	-0.04	0.96897	0.982	-6.57	1.52245	none
ZMAT5	0.007	-0.0013	0.0398	0.96906	0.982	-6.57	0.60226	none
ARF3	-0.005	-0.0128	-0.04	0.96918	0.982	-6.57	1.6712	none
MAP3K7CI	0.006	-0.0486	0.0391	0.96964	0.982	-6.57	-0.7152	none
ARHGAP9	0.004	0.0385	0.039	0.9697	0.982	-6.57	0.6908	none
RBM45	0.006	0.0601	0.0388	0.96987	0.982	-6.57	-0.1488	none
MTMR8	0.006	0.0311	0.0388	0.96987	0.982	-6.57	0.64807	none
ALX3	0.006	0.0771	0.0386	0.96997	0.982	-6.57	-0.0409	none
STOX1	0.003	0.0295	0.0379	0.97055	0.983	-6.57	1.15631	none
LAPTM4B	0.005	-0.0734	0.0369	0.97132	0.983	-6.57	0.71342	none
KRT81	-0.003	-0.0075	-0.037	0.97134	0.983	-6.57	1.07175	none
RNF7	-0.006	-0.0987	-0.036	0.97164	0.984	-6.57	0.17984	none
PTPRG	0.003	0.0151	0.0361	0.97195	0.984	-6.57	-0.4389	none
HOXC8	-0.003	-0.0118	-0.036	0.97197	0.984	-6.57	0	none
FBXO41	0.006	0.0702	0.0357	0.97222	0.984	-6.57	0.82924	none
ZMAT4	0.003	0.0223	0.0351	0.97272	0.984	-6.57	-0.4176	none
PHPT1	-0.005	-0.0216	-0.035	0.97286	0.985	-6.57	0.36877	none
LIMS4	0.003	0.0078	0.0349	0.97289	0.985	-6.57	0.74567	none
ZNF670	0.003	-0.0545	0.0346	0.97312	0.985	-6.57	0.56032	none
IPPK	0.003	0.016	0.0346	0.97312	0.985	-6.57	1.50997	none
SMG8	0.003	#####	0.0345	0.97315	0.985	-6.57	1.0133	none
CCDC71	0.006	0.0906	0.0342	0.97338	0.985	-6.57	1.3479	none
TSGA10	-0.008	-0.0499	-0.034	0.9734	0.985	-6.57	0.52882	none
ANKRD35	-0.002	0.0046	-0.034	0.97378	0.985	-6.57	0.71334	none
SPACA1	0.002	0.014	0.0336	0.97384	0.985	-6.57	-0.3129	none
ARMC10	-0.006	-0.0252	-0.033	0.97408	0.985	-6.57	1.62684	none
NFYB	-0.006	-0.062	-0.033	0.97418	0.985	-6.57	0.60661	none
UNC13A	0.005	0.023	0.0332	0.97419	0.985	-6.57	-0.0168	none
PEAR1	0.003	0.0349	0.0332	0.97419	0.985	-6.57	-0.2966	none
TMEM89	0.007	0.0247	0.033	0.97437	0.985	-6.57	0.50904	none
CDKN2AIP	0.006	0.103	0.0329	0.97443	0.985	-6.57	1.8787	none
DNPH1	0.005	-0.0319	0.0326	0.97469	0.986	-6.57	-0.3623	none
PDE1C	-0.003	-0.01	-0.032	0.97484	0.986	-6.57	0.93525	none
PCTP	0.004	-0.0834	0.0318	0.9753	0.986	-6.57	1.4633	none
DPH5	-0.005	-0.1631	-0.032	0.97533	0.986	-6.57	-0.0619	none
DUS2	0.003	0.0385	0.0316	0.97544	0.986	-6.57	1.07365	none
SDF4	0.004	0.07	0.0315	0.97553	0.986	-6.57	0.55631	none
RAB4A	-0.003	-0.0187	-0.031	0.97591	0.986	-6.57	1.26466	none

PPOX	0.004	0.0169	0.0308	0.97602	0.986	-6.57	0.30789	none
CBX3	-0.002	-0.0055	-0.031	0.97605	0.986	-6.57	0.23058	none
KRT23	0.002	0.002	0.0308	0.97609	0.986	-6.57	0	none
ZNF836	0.007	-0.0564	0.0307	0.97616	0.986	-6.57	-0.4615	none
CDK14	0.005	0.0538	0.0306	0.97617	0.986	-6.57	-0.3824	none
EXTL1	0.004	0.0366	0.0299	0.97677	0.987	-6.57	-0.1581	none
MKX	-0.002	#####	-0.03	0.97696	0.987	-6.57	1.21525	none
RGCC	-0.007	-0.0495	-0.029	0.97738	0.987	-6.57	1.05372	none
KLF6	-0.004	-0.015	-0.029	0.97742	0.987	-6.57	0.73757	none
KDM6B	-0.01	0.2515	-0.029	0.97746	0.987	-6.57	0.88742	none
STRADB	0.004	-0.0275	0.029	0.97748	0.987	-6.57	1.36233	none
CENPA	0.006	-0.0226	0.0289	0.9775	0.987	-6.57	-0.0388	none
HIST1H3D	0.011	-0.129	0.0289	0.97756	0.987	-6.57	0.54125	none
NPPC	0.005	0.0027	0.0286	0.97779	0.987	-6.57	1.23962	none
USP51	-0.004	0.0788	-0.028	0.97792	0.988	-6.57	1.60104	none
TM6SF2	0.003	0.0103	0.0284	0.97796	0.988	-6.57	-0.1849	none
CHST4	-0.002	0.0091	-0.028	0.97813	0.988	-6.57	-0.3286	none
ANKRD39	0.004	-0.0434	0.0275	0.97861	0.988	-6.57	-0.339	none
SOX8	-0.002	-0.0042	-0.027	0.97886	0.988	-6.57	1.15341	none
MEIS1	-0.004	0.0081	-0.027	0.9789	0.988	-6.57	-0.5973	none
DBH	0.002	#####	0.027	0.97902	0.988	-6.57	-0.4844	none
MYO1A	-0.004	-0.0019	-0.027	0.97907	0.988	-6.57	0.54444	none
TXNRD3	-0.005	0.0306	-0.027	0.97917	0.988	-6.57	0.40386	none
CLIC5	0.006	0.1087	0.0268	0.9792	0.988	-6.57	0.51622	none
ZNF229	0.003	0.0191	0.0267	0.97924	0.988	-6.57	1.27085	none
BOD1	0.004	0.0404	0.0264	0.97948	0.988	-6.57	1.01438	none
AIP	0.003	0.0247	0.0264	0.97949	0.988	-6.57	-0.1774	none
LDLRAD2	-0.002	-0.0034	-0.026	0.9799	0.989	-6.57	-0.1938	none
AC104581	0.003	0.0467	0.0258	0.97995	0.989	-6.57	0.67516	none
NANS	-0.003	-0.0313	-0.025	0.98018	0.989	-6.57	0.83477	none
NDUFAF1	0.003	-0.0904	0.0255	0.9802	0.989	-6.57	0.01378	none
LRRC3B	-0.004	-0.0157	-0.025	0.98023	0.989	-6.57	-0.0305	none
SKA2	0.004	-0.0964	0.0253	0.98037	0.989	-6.57	-0.5623	none
LRRC40	0.004	#####	0.0252	0.9804	0.989	-6.57	1.79565	none
SPTBN2	-0.005	0.0415	-0.025	0.98059	0.989	-6.57	0.66621	none
NOL4L	0.004	-0.0079	0.0248	0.98071	0.989	-6.57	-0.0108	none
SLC7A3	0.002	0.0031	0.0243	0.98107	0.989	-6.57	0.50031	none
EYA2	0.005	0.0162	0.0242	0.9812	0.989	-6.57	-0.2621	none
CCDC59	-0.004	0.046	-0.024	0.98122	0.989	-6.57	-0.2668	none
KHDRBS3	-0.004	0.0232	-0.024	0.98124	0.989	-6.57	1.7286	none

PHYHIP	-0.002	0.0232	-0.024	0.98135	0.989	-6.57	1.15292	none
APOM	0.002	0.0193	0.0239	0.98145	0.99	-6.57	0.87822	none
TMEM59L	-0.003	0.0277	-0.024	0.98165	0.99	-6.57	-0.5582	none
ZNF324	-0.003	0.0552	-0.023	0.98196	0.99	-6.57	0.46185	none
TICAM2	0.002	-0.0134	0.023	0.98208	0.99	-6.57	0.4743	none
C1ORF52	-0.004	-0.1309	-0.023	0.98212	0.99	-6.57	1.13734	none
POPDC3	-0.002	0.0065	-0.023	0.98222	0.99	-6.57	0.85469	none
DHRS7	0.003	-0.0574	0.0228	0.98227	0.99	-6.57	-0.1453	none
PRKACG	-0.002	#####	-0.022	0.98254	0.99	-6.57	1.53129	none
PTTG1IP	-0.002	-0.0519	-0.022	0.9826	0.99	-6.57	1.00249	none
NEUROG2	0.001	0.0133	0.0224	0.98261	0.99	-6.57	-0.627	none
DHRS7C	0.002	0.0017	0.0221	0.9828	0.99	-6.57	1.06571	none
SLC25A17	-0.003	-0.1071	-0.022	0.9828	0.99	-6.57	0.53927	none
SETD9	0.005	-0.0964	0.0221	0.98284	0.99	-6.57	0.87227	none
ERI2	-0.004	0.032	-0.022	0.98305	0.99	-6.57	1.20323	none
ANHX	0.002	0.0119	0.0216	0.98318	0.99	-6.57	-0.5105	none
EXOSC3	-0.002	-0.0054	-0.022	0.98325	0.99	-6.57	-0.5739	none
THSD1	0.001	0.0146	0.0215	0.98332	0.99	-6.57	1.3234	none
TBPL1	0.003	-0.0716	0.0212	0.98348	0.991	-6.57	-0.2419	none
TEF	0.002	-0.0302	0.0212	0.98355	0.991	-6.57	1.02771	none
CLDN6	0.002	0.0097	0.021	0.9837	0.991	-6.57	0.09199	none
PES1	-0.003	0.1464	-0.021	0.98373	0.991	-6.57	1.01639	none
TSPAN33	-0.003	-0.0051	-0.021	0.98386	0.991	-6.57	1.21903	none
TCTEX1D2	-0.004	-0.0611	-0.021	0.98392	0.991	-6.57	0.11626	none
CCDC148	-0.002	-0.0151	-0.021	0.98395	0.991	-6.57	0.35411	none
RSAD1	0.002	0.0312	0.0204	0.98411	0.991	-6.57	1.36533	none
NRXN2	-0.003	-0.0049	-0.02	0.98451	0.991	-6.57	-0.3386	none
CRMP1	0.001	0.0112	0.0198	0.9846	0.991	-6.57	0.65707	none
AC109486	-0.004	-0.0035	-0.02	0.98478	0.991	-6.57	1.60493	none
KLHL10	0.003	0.0185	0.0195	0.98484	0.991	-6.57	1.34477	none
GYPE	0.003	-0.0547	0.0195	0.98487	0.991	-6.57	-0.2754	none
CCDC154	0.002	0.0705	0.0193	0.98499	0.991	-6.57	1.00899	none
INSIG1	0.003	-0.0249	0.0193	0.985	0.991	-6.57	0.98635	none
CTDP1	-0.003	0.0931	-0.019	0.98502	0.991	-6.57	0.13061	none
SF3A3	0.002	0.0613	0.0192	0.98511	0.991	-6.57	0.22176	none
GPR20	-0.001	0.0109	-0.019	0.98513	0.991	-6.57	0	none
ZNF580	-0.002	-0.0094	-0.019	0.98528	0.991	-6.57	1.02082	none
TRPC4AP	0.001	0.011	0.0188	0.98535	0.991	-6.57	2.06835	none
NCBP2	-0.002	-0.0025	-0.019	0.98538	0.991	-6.57	1.14479	none
NUTM2A	0.001	0.0298	0.0184	0.98572	0.992	-6.57	0.02389	none

GPR158	0.001	0.0262	0.0182	0.98587	0.992	-6.57	0	none
LGALS16	-0.002	-0.0021	-0.018	0.98611	0.992	-6.57	1.87736	none
QARS	-0.002	0.0062	-0.018	0.98616	0.992	-6.57	0.61049	none
CSTF2T	-0.002	0.0034	-0.018	0.98621	0.992	-6.57	1.39177	none
SLC39A11	0.002	-0.0167	0.0172	0.98664	0.992	-6.57	0.25001	none
PEPD	0.002	-0.0371	0.0172	0.98664	0.992	-6.57	1.13989	none
PRMT9	0.001	0.0134	0.0169	0.98682	0.992	-6.57	1.46307	none
AAAS	0.002	-0.0218	0.0169	0.98686	0.992	-6.57	1.23398	none
GAGE1	-0.001	-0.0112	-0.017	0.98692	0.992	-6.57	-0.7466	none
CMTM4	-0.003	-0.0235	-0.016	0.98725	0.993	-6.57	0.50732	none
PPP1R32	0.004	0.075	0.0163	0.98731	0.993	-6.57	-0.0491	none
CCL24	-0.002	0.0192	-0.016	0.98733	0.993	-6.57	0.97771	none
ACP6	0.004	-0.0467	0.0161	0.98749	0.993	-6.57	0.44135	none
PLRG1	-0.002	-0.0279	-0.016	0.98766	0.993	-6.57	-0.2828	none
AKAP11	0.003	0.0889	0.0151	0.98828	0.993	-6.57	0.85468	none
ORC5	-0.002	-0.0529	-0.015	0.98843	0.993	-6.57	0.76213	none
USP43	-0.001	0.034	-0.015	0.98851	0.993	-6.57	0.01797	none
NMRK1	0.002	-0.0426	0.0147	0.98854	0.993	-6.57	0.23124	none
LEUTX	-0.001	-0.0011	-0.015	0.9886	0.993	-6.57	0	none
SMTNL2	-0.002	0.0501	-0.015	0.98866	0.993	-6.57	0.66879	none
PMPCB	0.002	-0.0979	0.0145	0.9887	0.993	-6.57	0.69459	none
FAM189A	-0.004	0.0359	-0.014	0.98875	0.993	-6.57	1.32176	none
MAP9	0.002	0.0644	0.0144	0.98878	0.993	-6.57	0.76548	none
DUOXA2	#####	0.0148	0.0143	0.98886	0.993	-6.57	0.38199	none
ANKRD60	0.001	#####	0.0142	0.98899	0.993	-6.57	-0.1716	none
CDPF1	-0.002	-0.0344	-0.014	0.989	0.993	-6.57	1.05521	none
RNASE9	0.001	0.001	0.0138	0.98931	0.994	-6.57	0	none
TMEM218	-0.002	-0.0813	-0.014	0.98944	0.994	-6.57	0.35952	none
ZNF512B	-0.002	0.1566	-0.013	0.98999	0.994	-6.57	0.71469	none
KLK14	0.001	0.0054	0.0129	0.99	0.994	-6.57	0.84121	none
CALHM2	-0.002	-0.0188	-0.013	0.99009	0.994	-6.57	1.52567	none
HACD4	-0.001	-0.0816	-0.013	0.99013	0.994	-6.57	1.03369	none
RGMB	-0.002	-0.0488	-0.013	0.99025	0.994	-6.57	-0.5163	none
C6ORF52	0.002	-0.0181	0.0125	0.99029	0.994	-6.57	0.60372	none
SDHAF1	-0.001	-0.0103	-0.012	0.99045	0.994	-6.57	1.12537	none
FOXP2	0.006	-0.0632	0.0122	0.99048	0.994	-6.57	-0.2698	none
TRIO	0.002	0.0847	0.0122	0.99055	0.994	-6.57	0.34107	none
EIF2B5	0.001	0.052	0.0115	0.99106	0.995	-6.57	0.44911	none
DDX4	-0.002	0.0173	-0.011	0.9911	0.995	-6.57	0.23698	none
PIR	0.002	-0.0361	0.0114	0.99112	0.995	-6.57	0.29881	none



PROX2	-0.002	0.0552	-0.011	0.99152	0.995	-6.57	-0.3411	none
PEX5	0.001	-0.0014	0.0105	0.99181	0.995	-6.57	0.48176	none
SLC17A9	0.001	0.0504	0.01	0.99224	0.996	-6.57	0.37666	none
YIPF5	#####	-0.1108	-0.01	0.99239	0.996	-6.57	-0.089	none
C19ORF18	#####	0.0078	-0.01	0.99246	0.996	-6.57	-0.6112	none
DAPK3	0.001	0.0649	0.0096	0.99255	0.996	-6.57	0.66571	none
EAPP	0.001	-0.0204	0.0094	0.99272	0.996	-6.57	0.92823	none
OR5B17	#####		-0.009	0.99273	0.996	-6.57	1.86247	none
VEZF1	0.002	0.1141	0.0092	0.99285	0.996	-6.57	1.49428	none
IFI44L	#####	-0.0432	-0.009	0.99294	0.996	-6.57	0.8697	none
LAD1	-0.001	-0.0596	-0.009	0.99328	0.996	-6.57	0.47547	none
EMC3	#####	-0.0597	0.0086	0.99332	0.996	-6.57	0.16298	none
ITGA11	-0.001	-0.0433	-0.009	0.99334	0.996	-6.57	-0.3356	none
SPDYA	0.002	-0.0474	0.0085	0.9934	0.996	-6.57	0.92049	none
TNFRSF11	-0.001	0.0419	-0.008	0.99348	0.996	-6.57	-0.3877	none
C18ORF32	0.001	-0.078	0.0084	0.99348	0.996	-6.57	0.83993	none
RAB3IP	0.001	0.003	0.0079	0.99387	0.996	-6.57	0.65787	none
HHATL	#####		-0.008	0.99412	0.997	-6.57	0.08831	none
VAMP5	-0.002	-0.1049	-0.008	0.99414	0.997	-6.57	0.20287	none
USP41	-0.002	0.0383	-0.007	0.99429	0.997	-6.57	0.08808	none
BLCAP	-0.001	-0.0531	-0.007	0.99458	0.997	-6.57	0.51343	none
RAB35	-0.001	0.0035	-0.007	0.99466	0.997	-6.57	1.49945	none
ELFN2	#####	0.0228	0.0067	0.99481	0.997	-6.57	0.53584	none
DAP	#####	0.0855	0.0067	0.99483	0.997	-6.57	1.18571	none
TSPAN15	-0.001	-0.0167	-0.007	0.99492	0.997	-6.57	0.73594	none
SAMD9L	0.002	0.1398	0.0063	0.99513	0.997	-6.57	0.90948	none
RUBCNL	#####	-0.004	-0.006	0.99515	0.997	-6.57	0.7253	none
AMBP	#####	-0.0114	0.0061	0.99529	0.997	-6.57	-0.0655	none
CYP2A13	#####	-0.0021	0.006	0.99533	0.997	-6.57	0.52924	none
ACCSL	#####	0.0104	0.006	0.99533	0.997	-6.57	0	none
FGFR1OP2	#####	-0.0619	0.0059	0.99539	0.997	-6.57	-0.064	none
DLX6	#####		0.0059	0.99545	0.997	-6.57	1.49553	none
CPZ	#####		0.0055	0.99572	0.997	-6.57	0.70486	none
TIMP4	#####	-0.0083	-0.005	0.99583	0.997	-6.57	-0.7972	none
DNAH6	#####	-0.0013	-0.005	0.99584	0.997	-6.57	-0.5819	none
CPNE4	#####	0.0063	0.0053	0.99584	0.997	-6.57	-0.3444	none
CES5A	#####		0.0053	0.99591	0.997	-6.57	1.88661	none
ATG4C	#####	-0.0506	-0.005	0.99607	0.997	-6.57	0.76732	none
POP1	0.001	0.1284	0.0047	0.99636	0.998	-6.57	1.08876	none
ECE2	#####	-0.0015	-0.005	0.99649	0.998	-6.57	1.91482	none

UFL1	#####	0.0777	-0.004	0.9969	0.998	-6.57	1.82433	none
RHOH	#####	-0.0903	-0.004	0.99706	0.998	-6.57	1.52253	none
PDCD1LG2	#####	-0.0095	0.0033	0.9974	0.998	-6.57	-0.1608	none
LTB4R2	#####	0.0664	-0.003	0.99749	0.998	-6.57	1.02443	none
HIST1H2BI	#####	-0.0378	-0.003	0.99752	0.998	-6.57	1.31884	none
FGFR1OP	#####	-0.0251	0.0031	0.99762	0.998	-6.57	-0.3969	none
NUDT7	#####	-0.1301	0.003	0.9977	0.998	-6.57	-0.2651	none
ZDHC6	#####	-0.0451	-0.003	0.99795	0.999	-6.57	1.80803	none
PFN3	#####	0.0217	-0.003	0.99798	0.999	-6.57	0.8171	none
SPATA6	#####	0.024	0.0025	0.99809	0.999	-6.57	0.80493	none
TFCP2L1	#####	0.0042	-0.002	0.99813	0.999	-6.57	-0.3323	none
TRIP6	#####	0.0477	0.002	0.99844	0.999	-6.57	1.0276	none
CFAP53	#####	0.035	-0.002	0.99854	0.999	-6.57	0.05329	none
TCEAL4	#####	0.0784	-0.001	0.99889	0.999	-6.57	0.94028	none
PLD4	#####	-0.0374	-0.001	0.99917	0.999	-6.57	-0.2756	none
RFK	#####	-0.0851	#####	0.99933	1	-6.57	0.95739	none
ALPL	#####	#####	#####	0.99943	1	-6.57	0.531	none
MCM5	#####	0.0697	#####	0.99957	1	-6.57	0.52896	none
EGF	#####	-0.0099	#####	0.99989	1	-6.57	0.90435	none
AC010642	#####	0.0167	#####	0.99996	1	-6.57	-0.7617	none

**Supplementary Table 2. Transcriptomic signature of oleic- vs. arachidonic acid stimuli.** Results of the two analyses described for the bulk RNA data to characterize the differential effect of the two fatty acids. PC1-based analysis determines whether genes belong to the oleic acid module, arachidonic acid module, or none (column “PC1 gene module”) based on PC1 loading described in the text. The other columns describe the results of a limma-based moderated t-test for the intercept of the described linear model (p-values adjusted with the Benjamini-Hochberg procedure).

**Supplementary Table 3. Donor demographics for single cell sequencing of blood and adipose T<sub>regs</sub>.**

	Age	Height (cm)	Weight (kg)	BMI	Gender	Last DMT or steroid	Date Collected	Date Sequenced
Healthy	54	152.0	68.0	29.43	F	N/A	3-3-17	6-11-18
	48	157.0	55.0	22.31	F	N/A	7-21-17	2-17-18
	46	158.0	62.0	24.84	F	N/A	3-17-17	3-5-18
	64	171.	82.0	28.04	M	N/A	10-5-16	4-25-18
	31	163.0	72.0	27.10	F	N/A	10-5-16	4-25-18
	38	155.0	57.0	23.73	F	N/A	5-19-17	3-8-18
	23	167.0	61.0	21.87	F	N/A	10-20-16	6-8-18
	23	163.0	55.0	20.70	F	N/A	10-20-16	6-8-18
RRMS	47	167.0	102.0	36.57	F	No previous history	3-17-17	6-11-18
	60	175.0	84.0	27.43	M	No history since 11-2015	3-17-17	6-11-18
	57	161.0	61.0	23.53	F	DMT Avonex 10-1-05, oral steroids 6-2013	3-3-17	5-15-18
	49	172.0	91.0	30.76	F	DMT Tecfidera 9-1-14, oral Prednisone 1-24-17	3-3-17	5-15-18
	52	171.0	68.0	23.26	F	DMT Avonex in 2000	3-31-17	3-5-18
	56	178.0	99.0	31.25	F	DMT (Avonex, Copaxone, other) and IVMP in 2004	5-11-17	6-11-18
	35	152.0	60.0	25.97	F	DMT Tecfidera 10-2016	5-19-17	3-8-18
	37	152.0	86.0	37.22	F	DMT Tecfidera 5-2015	5-24-17	2-27-18

**Supplementary Table 3. Donor demographics for mass spectrometry and single cell sequencing of blood and adipose T<sub>regs</sub>.** Age, height, weight, body mass index (BMI), gender, and disease modifying treatment (DMT) information for healthy and MS subjects. Collection and processing dates are also shown. These donors donated both blood and adipose tissue from which T<sub>reg</sub> cells were sorted and single cell sequenced, and blood plasma and fat supernatant were analyzed by mass spectrometry for concentrations of long chain fatty acids.

**Supplementary Table 4. Differentially expressed genes between healthy and MS donors.**

symbol	p_val	avg_logFC	pct.1	pct.2	p_val_adj	comparison
PPDPF	4.51E-18	1.39767	0.514	0.21	7.20E-14	HC_vs_MS.Trt_F
ZFP36	6.30E-15	1.38737	0.673	0.41	1.01E-10	HC_vs_MS.Trt_F
KPNA5	8.25E-15	0.65223	0.997	0.93	1.32E-10	HC_vs_MS.Trt_F
CD3G	8.43E-15	-1.0509	0.931	0.95	1.35E-10	HC_vs_MS.Trt_F
SAMD12	3.12E-14	0.632	0.994	0.94	4.98E-10	HC_vs_MS.Trt_F
MORC4	8.59E-14	0.46891	1	0.99	1.37E-09	HC_vs_MS.Trt_F
RGPD5	1.31E-13	0.84279	0.919	0.8	2.08E-09	HC_vs_MS.Trt_F
MTRNR2L8	1.31E-13	0.43007	1	0.98	2.09E-09	HC_vs_MS.Trt_F
C1orf56	5.95E-13	-0.8723	0.78	0.84	9.50E-09	HC_vs_MS.Trt_F
CFAP54	8.58E-13	0.66482	0.965	0.91	1.37E-08	HC_vs_MS.Trt_F
MTRNR2L4	1.95E-12	0.46609	0.991	0.92	3.12E-08	HC_vs_MS.Trt_F
ABLIM3	3.31E-12	2.48814	0.275	0.07	5.28E-08	HC_vs_MS.Trt_F
MTRNR2L1	4.69E-12	0.40295	1	0.98	7.48E-08	HC_vs_MS.Trt_F
S100A4	1.41E-11	0.68977	0.757	0.55	2.25E-07	HC_vs_MS.Trt_F
MTRNR2L12	2.03E-11	0.35167	1	1	3.25E-07	HC_vs_MS.Trt_F
TAC4	2.22E-11	0.89018	0.754	0.56	3.55E-07	HC_vs_MS.Trt_F
SPATA4	2.62E-11	0.74843	0.72	0.47	4.18E-07	HC_vs_MS.Trt_F
PBX1	3.70E-11	0.85305	0.934	0.88	5.91E-07	HC_vs_MS.Trt_F
CYSLTR1	4.89E-11	0.57611	0.98	0.88	7.81E-07	HC_vs_MS.Trt_F
YLPM1	1.21E-10	0.6931	0.749	0.54	1.94E-06	HC_vs_MS.Trt_F
C4orf32	1.76E-10	0.43457	0.994	0.97	2.81E-06	HC_vs_MS.Trt_F
HNRNPH1	1.98E-10	-0.7629	0.991	0.99	3.16E-06	HC_vs_MS.Trt_F
MYADM	4.25E-10	0.96205	0.867	0.72	6.79E-06	HC_vs_MS.Trt_F
AHNAK	4.38E-10	0.7165	0.89	0.76	7.00E-06	HC_vs_MS.Trt_F
LMNA	4.84E-10	1.13869	0.801	0.65	7.72E-06	HC_vs_MS.Trt_F
BLOC1S6	5.57E-10	0.58013	0.997	0.98	8.90E-06	HC_vs_MS.Trt_F
C6orf62	6.04E-10	-0.8343	0.737	0.84	9.65E-06	HC_vs_MS.Trt_F
MTRNR2L10	8.07E-10	0.40013	0.98	0.89	1.29E-05	HC_vs_MS.Trt_F
VIM	9.05E-10	0.55635	0.893	0.77	1.45E-05	HC_vs_MS.Trt_F
DDX39B	1.14E-09	0.69991	0.783	0.57	1.83E-05	HC_vs_MS.Trt_F
ZNF331	1.34E-09	1.37356	0.757	0.62	2.14E-05	HC_vs_MS.Trt_F
RPS14	1.45E-09	-0.5438	0.908	0.96	2.32E-05	HC_vs_MS.Trt_F
MARVELD2	1.51E-09	0.75116	0.725	0.54	2.41E-05	HC_vs_MS.Trt_F
TNFAIP3	1.63E-09	0.90209	0.633	0.42	2.61E-05	HC_vs_MS.Trt_F
IDS	1.65E-09	0.60789	0.879	0.75	2.64E-05	HC_vs_MS.Trt_F
CLDN5	1.76E-09	0.97152	0.208	0.05	2.81E-05	HC_vs_MS.Trt_F
LENG8	2.45E-09	0.73209	0.777	0.58	3.92E-05	HC_vs_MS.Trt_F
MTRNR2L6	2.96E-09	0.39456	0.983	0.9	4.72E-05	HC_vs_MS.Trt_F
TMEM45A	3.08E-09	0.3743	1	0.97	4.91E-05	HC_vs_MS.Trt_F

TBC1D8B	3.99E-09	0.54708	0.965	0.85	6.37E-05	HC_vs_MS.Trt_F
C16orf54	6.16E-09	-1.0807	0.737	0.8	9.84E-05	HC_vs_MS.Trt_F
HACD3	6.32E-09	0.38235	0.821	0.67	1.01E-04	HC_vs_MS.Trt_F
PCSK5	9.86E-09	1.06097	0.994	0.93	1.57E-04	HC_vs_MS.Trt_F
EFNA5	1.10E-08	0.50042	0.54	0.32	1.75E-04	HC_vs_MS.Trt_F
RANBP2	1.36E-08	0.67177	0.592	0.35	2.16E-04	HC_vs_MS.Trt_F
TMSB4X	1.37E-08	-0.3143	0.974	1	2.18E-04	HC_vs_MS.Trt_F
CTTN	1.90E-08	0.79778	0.295	0.11	3.03E-04	HC_vs_MS.Trt_F
KIAA1161	1.97E-08	0.50813	0.876	0.71	3.15E-04	HC_vs_MS.Trt_F
CD69	1.99E-08	1.02523	0.494	0.28	3.18E-04	HC_vs_MS.Trt_F
RGS1	2.29E-08	0.73001	0.575	0.36	3.65E-04	HC_vs_MS.Trt_F
RPL3	2.44E-08	-0.4	0.936	0.96	3.90E-04	HC_vs_MS.Trt_F
DNTTIP2	2.89E-08	0.4512	0.96	0.88	4.61E-04	HC_vs_MS.Trt_F
SULT1B1	2.93E-08	0.38038	0.988	0.9	4.68E-04	HC_vs_MS.Trt_F
MTRNR2L11	3.12E-08	0.36627	0.974	0.89	4.98E-04	HC_vs_MS.Trt_F
FGF13	3.40E-08	0.62617	0.968	0.92	5.43E-04	HC_vs_MS.Trt_F
FSIP2	3.65E-08	0.53696	0.847	0.64	5.83E-04	HC_vs_MS.Trt_F
PRRG3	3.81E-08	1.48051	0.737	0.59	6.08E-04	HC_vs_MS.Trt_F
NR4A2	3.82E-08	0.7098	0.607	0.4	6.10E-04	HC_vs_MS.Trt_F
CSRNP1	4.51E-08	1.53656	0.327	0.15	7.20E-04	HC_vs_MS.Trt_F
ATXN10	6.12E-08	0.48979	0.587	0.36	9.77E-04	HC_vs_MS.Trt_F
HLA-A	7.95E-08	0.43362	0.899	0.75	0.001269	HC_vs_MS.Trt_F
FTH1	7.95E-08	0.42519	0.882	0.74	0.001271	HC_vs_MS.Trt_F
VWF	8.43E-08	1.45704	0.237	0.08	0.001346	HC_vs_MS.Trt_F
SAMSN1	8.51E-08	0.44882	0.555	0.33	0.00136	HC_vs_MS.Trt_F
SPP2	8.83E-08	0.51831	0.809	0.63	0.00141	HC_vs_MS.Trt_F
SF1	1.19E-07	0.9421	0.604	0.42	0.001908	HC_vs_MS.Trt_F
CA4	1.31E-07	0.56693	0.211	0.07	0.002087	HC_vs_MS.Trt_F
MT-CO2	1.39E-07	-0.5155	0.983	1	0.00222	HC_vs_MS.Trt_F
FOS	1.43E-07	1.15091	0.451	0.27	0.002288	HC_vs_MS.Trt_F
RP11-47I22.	1.50E-07	0.49949	0.679	0.48	0.002393	HC_vs_MS.Trt_F
SLTM	1.69E-07	0.52324	0.471	0.27	0.0027	HC_vs_MS.Trt_F
SP100	1.92E-07	0.42329	0.986	0.89	0.003071	HC_vs_MS.Trt_F
SHISA9	1.95E-07	0.30713	0.971	0.91	0.003117	HC_vs_MS.Trt_F
INTU	2.15E-07	0.38785	0.991	0.98	0.003429	HC_vs_MS.Trt_F
EPAS1	2.49E-07	0.76425	0.272	0.11	0.003975	HC_vs_MS.Trt_F
4-Sep	2.50E-07	0.54357	0.529	0.33	0.004	HC_vs_MS.Trt_F
MDN1	2.85E-07	0.85257	0.324	0.15	0.004553	HC_vs_MS.Trt_F
CHMP1B	2.89E-07	0.39318	0.855	0.69	0.004616	HC_vs_MS.Trt_F
KYNU	3.15E-07	0.3313	0.983	0.96	0.005038	HC_vs_MS.Trt_F

ITGB3BP	3.33E-07	0.69368	0.78	0.67	0.005318	HC_vs_MS.Trt_F
UGGT2	3.48E-07	0.44272	0.908	0.81	0.005557	HC_vs_MS.Trt_F
SET	3.48E-07	-0.7544	0.829	0.87	0.005563	HC_vs_MS.Trt_F
MAPK10	3.86E-07	0.82169	0.332	0.16	0.006172	HC_vs_MS.Trt_F
NCOR2	3.91E-07	0.92636	0.552	0.36	0.006248	HC_vs_MS.Trt_F
HSPG2	3.92E-07	1.4607	0.535	0.34	0.006258	HC_vs_MS.Trt_F
RGPD6	3.94E-07	0.79423	0.685	0.52	0.006297	HC_vs_MS.Trt_F
RPL34	4.04E-07	-0.5355	0.942	0.95	0.006448	HC_vs_MS.Trt_F
FMNL2	4.10E-07	0.66786	0.347	0.17	0.006543	HC_vs_MS.Trt_F
SMCHD1	4.44E-07	0.62513	0.789	0.61	0.007099	HC_vs_MS.Trt_F
CAPZA1	5.05E-07	-0.8277	0.818	0.86	0.008074	HC_vs_MS.Trt_F
TAGLN2	5.18E-07	0.50487	0.653	0.47	0.008267	HC_vs_MS.Trt_F
SLAMF1	5.21E-07	0.74902	0.405	0.22	0.008322	HC_vs_MS.Trt_F
TAP2	5.82E-07	0.31916	0.379	0.18	0.009302	HC_vs_MS.Trt_F
MIPOL1	6.00E-07	0.35822	1	0.99	0.009579	HC_vs_MS.Trt_F
RAPGEF5	8.57E-07	1.07041	0.101	0.01	0.013685	HC_vs_MS.Trt_F
CRLS1	1.06E-06	0.38585	0.483	0.29	0.016867	HC_vs_MS.Trt_F
HLA-B	1.10E-06	0.43869	0.919	0.88	0.017624	HC_vs_MS.Trt_F
SPARC	1.30E-06	0.5166	0.249	0.1	0.02072	HC_vs_MS.Trt_F
NEDD4	1.39E-06	0.47142	0.983	0.93	0.022188	HC_vs_MS.Trt_F
LTBR	1.40E-06	0.41181	0.951	0.88	0.022377	HC_vs_MS.Trt_F
LGALS3BP	1.53E-06	1.18501	0.711	0.5	0.02441	HC_vs_MS.Trt_F
RPS3A	1.56E-06	-0.434	0.882	0.92	0.02489	HC_vs_MS.Trt_F
C10orf11	1.66E-06	0.41365	0.986	0.97	0.026472	HC_vs_MS.Trt_F
SLC2A3	1.90E-06	0.52054	0.908	0.85	0.030377	HC_vs_MS.Trt_F
ARHGAP9	2.01E-06	0.36953	0.624	0.46	0.032134	HC_vs_MS.Trt_F
XRCC2	2.14E-06	0.46726	0.858	0.73	0.034235	HC_vs_MS.Trt_F
GNG11	2.15E-06	0.79775	0.136	0.03	0.03434	HC_vs_MS.Trt_F
LPP	2.16E-06	0.81429	0.988	0.96	0.034507	HC_vs_MS.Trt_F
ADGRE2	2.48E-06	0.89021	0.855	0.72	0.039629	HC_vs_MS.Trt_F
SLC25A44	2.53E-06	-0.3452	0.754	0.59	0.040339	HC_vs_MS.Trt_F
GPR146	2.57E-06	0.63303	0.237	0.09	0.041086	HC_vs_MS.Trt_F
CCNH	2.58E-06	0.38031	0.405	0.22	0.041263	HC_vs_MS.Trt_F
ACIN1	2.67E-06	0.79016	0.633	0.46	0.042595	HC_vs_MS.Trt_F
BUB1B	2.67E-06	-0.6924	0.448	0.27	0.042726	HC_vs_MS.Trt_F
KIAA1462	2.70E-06	0.79406	0.39	0.22	0.043122	HC_vs_MS.Trt_F
LDLRAD4	2.82E-06	0.78667	0.538	0.35	0.044973	HC_vs_MS.Trt_F
USP36	2.84E-06	0.63745	0.535	0.35	0.045303	HC_vs_MS.Trt_F
C4orf36	2.98E-06	0.39958	0.908	0.82	0.047554	HC_vs_MS.Trt_F
EPPIN	3.10E-06	0.45402	0.627	0.43	0.049478	HC_vs_MS.Trt_F

SRGN	3.22E-06	0.50072	0.642	0.47	0.051396	HC_vs_MS.Trt_F
ENG	3.46E-06	0.72706	0.205	0.08	0.055328	HC_vs_MS.Trt_F
RBBP6	3.47E-06	0.53152	0.327	0.15	0.055363	HC_vs_MS.Trt_F
LRRK1	3.50E-06	0.4604	0.85	0.73	0.055979	HC_vs_MS.Trt_F
MPZL3	3.87E-06	0.98561	0.743	0.63	0.06189	HC_vs_MS.Trt_F
FAM213A	4.35E-06	0.25107	0.893	0.77	0.069551	HC_vs_MS.Trt_F
SLC44A5	4.70E-06	-0.4655	0.749	0.82	0.075127	HC_vs_MS.Trt_F
ANXA1	4.91E-06	0.93667	0.422	0.27	0.078419	HC_vs_MS.Trt_F
GRB10	4.96E-06	1.25803	0.341	0.18	0.079196	HC_vs_MS.Trt_F
PARP15	6.02E-06	0.52331	0.942	0.85	0.096109	HC_vs_MS.Trt_F
ENTPD1	6.04E-06	0.3018	0.971	0.94	0.096521	HC_vs_MS.Trt_F
TCF4	6.43E-06	0.40243	0.818	0.67	0.102785	HC_vs_MS.Trt_F
SUPT5H	6.94E-06	1.09069	0.538	0.36	0.110909	HC_vs_MS.Trt_F
MECP2	7.20E-06	0.647	0.962	0.92	0.115046	HC_vs_MS.Trt_F
PPP1CB	7.36E-06	-0.9109	0.749	0.85	0.117557	HC_vs_MS.Trt_F
ARHGAP45	8.21E-06	-0.6041	0.61	0.72	0.131183	HC_vs_MS.Trt_F
KLF6	9.15E-06	0.52982	0.798	0.68	0.146162	HC_vs_MS.Trt_F
TNFSF13B	9.53E-06	-0.3068	0.642	0.45	0.152285	HC_vs_MS.Trt_F
APELA	9.88E-06	0.27529	0.431	0.26	0.157874	HC_vs_MS.Trt_F
TRERF1	1.01E-05	1.16229	0.251	0.11	0.16141	HC_vs_MS.Trt_F
NAMPT	1.02E-05	0.69761	0.824	0.72	0.16255	HC_vs_MS.Trt_F
UBC	1.02E-05	0.50061	0.578	0.38	0.162884	HC_vs_MS.Trt_F
RABGAP1L	1.03E-05	0.5176	0.913	0.84	0.164461	HC_vs_MS.Trt_F
PER1	1.06E-05	1.13996	0.587	0.45	0.169791	HC_vs_MS.Trt_F
NRBP1	1.11E-05	0.65105	0.668	0.5	0.177577	HC_vs_MS.Trt_F
PLA2G7	1.13E-05	0.62962	0.647	0.48	0.180137	HC_vs_MS.Trt_F
SIM1	1.16E-05	-0.8331	0.312	0.16	0.184786	HC_vs_MS.Trt_F
TATDN1	1.18E-05	1.28813	0.783	0.64	0.188682	HC_vs_MS.Trt_F
TSKU	1.27E-05	0.72597	0.587	0.41	0.202726	HC_vs_MS.Trt_F
CYB5R4	1.28E-05	0.44423	0.922	0.89	0.203681	HC_vs_MS.Trt_F
RAB12	1.34E-05	1.54462	0.361	0.23	0.21412	HC_vs_MS.Trt_F
SFN	1.42E-05	0.85476	0.353	0.21	0.227472	HC_vs_MS.Trt_F
CRIP2	1.44E-05	0.40946	0.275	0.13	0.230562	HC_vs_MS.Trt_F
CERCAM	1.45E-05	0.34971	0.988	0.97	0.232175	HC_vs_MS.Trt_F
REV3L	1.47E-05	0.5803	0.74	0.6	0.234909	HC_vs_MS.Trt_F
HPGD	1.48E-05	0.83168	0.275	0.13	0.236926	HC_vs_MS.Trt_F
ROBO1	1.60E-05	-0.2656	0.512	0.65	0.255595	HC_vs_MS.Trt_F
ASTN2	1.68E-05	0.38864	0.977	0.87	0.269136	HC_vs_MS.Trt_F
NOTCH2NL	1.69E-05	1.28183	0.292	0.15	0.270017	HC_vs_MS.Trt_F
SRRM2	1.77E-05	0.4522	0.754	0.61	0.282329	HC_vs_MS.Trt_F

PYGL	1.80E-05	0.54057	0.884	0.82	0.286992	HC_vs_MS.Trt_F
SNRNP70	1.83E-05	1.06663	0.329	0.18	0.291831	HC_vs_MS.Trt_F
HNRNPC	1.90E-05	0.30073	0.809	0.69	0.303345	HC_vs_MS.Trt_F
PI4KA	1.94E-05	0.68604	0.373	0.22	0.309825	HC_vs_MS.Trt_F
TNS1	1.95E-05	2.1413	0.39	0.23	0.311364	HC_vs_MS.Trt_F
WISP2	1.96E-05	-0.42	0.685	0.51	0.312504	HC_vs_MS.Trt_F
CFAP69	2.00E-05	0.35998	0.873	0.75	0.319728	HC_vs_MS.Trt_F
BST2	2.04E-05	0.59272	0.309	0.16	0.325483	HC_vs_MS.Trt_F
FRYL	2.07E-05	0.49264	0.792	0.67	0.330343	HC_vs_MS.Trt_F
REL	2.08E-05	0.28813	0.983	0.96	0.33174	HC_vs_MS.Trt_F
MYCBPAP	2.08E-05	0.28888	0.922	0.79	0.332533	HC_vs_MS.Trt_F
LTBP1	2.17E-05	0.75673	0.107	0.02	0.34585	HC_vs_MS.Trt_F
FRK	2.24E-05	0.30463	0.997	0.98	0.357732	HC_vs_MS.Trt_F
SOD2	2.29E-05	0.27071	1	1	0.365375	HC_vs_MS.Trt_F
TF	2.39E-05	0.31595	0.942	0.89	0.381825	HC_vs_MS.Trt_F
WNK1	2.51E-05	0.66007	0.613	0.46	0.400697	HC_vs_MS.Trt_F
VPS13C	2.52E-05	0.725	0.838	0.72	0.401892	HC_vs_MS.Trt_F
CYP4F11	2.63E-05	0.32061	0.46	0.3	0.420584	HC_vs_MS.Trt_F
RIMS1	2.69E-05	0.52826	0.361	0.21	0.430432	HC_vs_MS.Trt_F
MBNL1	2.71E-05	0.26728	0.899	0.75	0.432485	HC_vs_MS.Trt_F
CATIP	2.71E-05	-0.3282	0.882	0.89	0.432969	HC_vs_MS.Trt_F
ZNF670-ZNF	2.85E-05	0.51463	0.671	0.51	0.455831	HC_vs_MS.Trt_F
PTPN2	3.05E-05	0.59668	0.997	0.96	0.486402	HC_vs_MS.Trt_F
TTLL5	3.10E-05	0.51589	0.749	0.59	0.495872	HC_vs_MS.Trt_F
MAML2	3.11E-05	1.54641	0.272	0.14	0.497368	HC_vs_MS.Trt_F
TSPAN3	3.27E-05	0.61905	0.529	0.35	0.522271	HC_vs_MS.Trt_F
JAK3	3.51E-05	-0.6274	0.731	0.81	0.560742	HC_vs_MS.Trt_F
PDE4D	3.76E-05	0.47707	0.405	0.25	0.600095	HC_vs_MS.Trt_F
WTIP	3.88E-05	0.35429	0.986	0.94	0.620344	HC_vs_MS.Trt_F
BACH2	3.97E-05	1.13661	0.292	0.16	0.633574	HC_vs_MS.Trt_F
CEP83	4.06E-05	0.83509	0.754	0.65	0.648773	HC_vs_MS.Trt_F
IFITM3	4.15E-05	0.79529	0.688	0.53	0.663174	HC_vs_MS.Trt_F
CABIN1	4.24E-05	0.98019	0.37	0.22	0.677008	HC_vs_MS.Trt_F
PHTF2	4.25E-05	0.44227	0.552	0.37	0.679578	HC_vs_MS.Trt_F
RBM12	4.27E-05	0.55281	0.289	0.15	0.682636	HC_vs_MS.Trt_F
RSRP1	4.28E-05	0.51437	0.945	0.91	0.683871	HC_vs_MS.Trt_F
MT-ND2	4.40E-05	0.36241	0.908	0.84	0.702733	HC_vs_MS.Trt_F
KAT6A	4.54E-05	0.3408	0.824	0.71	0.724671	HC_vs_MS.Trt_F
PRRC2C	4.57E-05	0.30669	0.847	0.69	0.730333	HC_vs_MS.Trt_F
SH2D2A	4.68E-05	0.91695	0.488	0.35	0.747459	HC_vs_MS.Trt_F



KRAS	4.72E-05	0.34394	0.483	0.32	0.753406	HC_vs_MS.Trt_F
BVES	4.74E-05	0.47164	0.772	0.64	0.756661	HC_vs_MS.Trt_F
CCS	4.92E-05	0.99786	0.329	0.18	0.786236	HC_vs_MS.Trt_F
HLA-DRB5	5.01E-05	-0.8485	0.246	0.12	0.800537	HC_vs_MS.Trt_F
MTM1	5.05E-05	0.25591	0.228	0.1	0.807393	HC_vs_MS.Trt_F
NEBL	5.10E-05	0.45564	0.37	0.22	0.814044	HC_vs_MS.Trt_F
EIF5A	5.13E-05	-0.3259	0.575	0.71	0.819951	HC_vs_MS.Trt_F
HIVEP2	5.19E-05	1.0312	0.382	0.23	0.828936	HC_vs_MS.Trt_F
SYT17	5.28E-05	0.34664	0.439	0.28	0.842942	HC_vs_MS.Trt_F
ATP10B	5.29E-05	0.29962	0.824	0.69	0.845492	HC_vs_MS.Trt_F
LFNG	5.36E-05	0.69286	0.344	0.2	0.856561	HC_vs_MS.Trt_F
NRP1	5.43E-05	-0.4707	0.465	0.3	0.867556	HC_vs_MS.Trt_F
CCDC171	5.46E-05	1.34007	0.569	0.41	0.872556	HC_vs_MS.Trt_F
ITGB2	5.80E-05	0.7408	0.685	0.58	0.925855	HC_vs_MS.Trt_F
TCHP	5.86E-05	0.50703	0.613	0.45	0.93556	HC_vs_MS.Trt_F
MOV10	5.89E-05	0.68654	0.584	0.42	0.940542	HC_vs_MS.Trt_F
SFT2D2	5.95E-05	0.45022	0.991	0.97	0.9511	HC_vs_MS.Trt_F
FAM49B	6.05E-05	0.42869	0.986	0.96	0.96642	HC_vs_MS.Trt_F
ODF2L	6.05E-05	0.55823	0.986	0.94	0.966537	HC_vs_MS.Trt_F
JMJD1C	6.07E-05	0.79469	0.373	0.23	0.969039	HC_vs_MS.Trt_F
EREG	6.17E-05	0.767	0.853	0.76	0.985094	HC_vs_MS.Trt_F
LRRTM4	6.30E-05	0.41959	0.633	0.48	1	HC_vs_MS.Trt_F
PHKA2	6.38E-05	0.33623	0.734	0.6	1	HC_vs_MS.Trt_F
SLC9A8	6.49E-05	0.44541	0.26	0.13	1	HC_vs_MS.Trt_F
IFRD1	6.51E-05	0.46976	0.564	0.42	1	HC_vs_MS.Trt_F
PDE4B	6.53E-05	0.69965	0.445	0.3	1	HC_vs_MS.Trt_F
EPHB4	6.60E-05	-0.4298	0.751	0.81	1	HC_vs_MS.Trt_F
BORCS5	6.60E-05	0.73933	0.74	0.6	1	HC_vs_MS.Trt_F
ABCC9	6.75E-05	0.30473	0.98	0.92	1	HC_vs_MS.Trt_F
TMEM182	7.01E-05	0.46933	0.78	0.66	1	HC_vs_MS.Trt_F
KIAA1217	7.17E-05	0.90823	0.165	0.07	1	HC_vs_MS.Trt_F
SETD1B	7.23E-05	1.13046	0.249	0.13	1	HC_vs_MS.Trt_F
GPR141	7.26E-05	0.26296	0.598	0.44	1	HC_vs_MS.Trt_F
TBC1D1	7.50E-05	0.36381	0.688	0.52	1	HC_vs_MS.Trt_F
ATN1	7.79E-05	0.61512	0.26	0.13	1	HC_vs_MS.Trt_F
TAF7	7.83E-05	0.60274	0.448	0.29	1	HC_vs_MS.Trt_F
C12orf50	7.90E-05	0.2969	0.922	0.89	1	HC_vs_MS.Trt_F
RALGAPB	8.09E-05	0.31082	0.332	0.18	1	HC_vs_MS.Trt_F
RHOBTB3	8.09E-05	0.34547	0.749	0.57	1	HC_vs_MS.Trt_F
KATNAL2	8.35E-05	0.85012	0.416	0.26	1	HC_vs_MS.Trt_F

SF3A1	8.42E-05	0.84613	0.425	0.28	1	HC_vs_MS.Trt_F
CHTF8	8.54E-05	0.62168	0.301	0.16	1	HC_vs_MS.Trt_F
PIAS3	8.60E-05	0.58624	0.249	0.12	1	HC_vs_MS.Trt_F
EIF4G1	8.62E-05	0.46252	0.613	0.48	1	HC_vs_MS.Trt_F
SLC11A2	8.87E-05	0.51421	0.801	0.68	1	HC_vs_MS.Trt_F
JUND	8.90E-05	0.43384	0.474	0.32	1	HC_vs_MS.Trt_F
TMEM43	9.14E-05	0.72224	0.344	0.2	1	HC_vs_MS.Trt_F
ETFDH	9.21E-05	-0.2561	0.74	0.62	1	HC_vs_MS.Trt_F
ZDHHC13	9.25E-05	-0.796	0.803	0.66	1	HC_vs_MS.Trt_F
KMT2D	1.01E-04	0.8306	0.87	0.84	1	HC_vs_MS.Trt_F
HTRA4	1.01E-04	0.36015	0.535	0.37	1	HC_vs_MS.Trt_F
AIF1L	1.04E-04	0.4886	0.11	0.03	1	HC_vs_MS.Trt_F
RCL1	1.06E-04	0.39199	0.546	0.4	1	HC_vs_MS.Trt_F
TPP1	1.07E-04	0.39436	0.477	0.32	1	HC_vs_MS.Trt_F
TMOD3	1.10E-04	0.2508	0.965	0.91	1	HC_vs_MS.Trt_F
WFDC1	1.15E-04	0.2883	0.835	0.76	1	HC_vs_MS.Trt_F
KLF7	1.15E-04	-0.5127	0.266	0.13	1	HC_vs_MS.Trt_F
SPATS2L	1.17E-04	0.29571	0.968	0.94	1	HC_vs_MS.Trt_F
FLVCR1	1.17E-04	0.86013	0.702	0.54	1	HC_vs_MS.Trt_F
RP11-467J11	1.19E-04	0.34616	0.607	0.45	1	HC_vs_MS.Trt_F
RPS6	1.20E-04	-0.3134	0.919	0.93	1	HC_vs_MS.Trt_F
HEATR5B	1.21E-04	0.41448	0.523	0.35	1	HC_vs_MS.Trt_F
NFKBIA	1.22E-04	0.58816	0.468	0.31	1	HC_vs_MS.Trt_F
ARF6	1.22E-04	-0.8313	0.592	0.7	1	HC_vs_MS.Trt_F
NUPL2	1.22E-04	0.3104	0.991	0.96	1	HC_vs_MS.Trt_F
PLCB2	1.24E-04	0.91862	0.327	0.19	1	HC_vs_MS.Trt_F
LIMS3	1.24E-04	0.26845	0.647	0.53	1	HC_vs_MS.Trt_F
TXNRD1	1.24E-04	1.31928	0.376	0.23	1	HC_vs_MS.Trt_F
CCR8	1.28E-04	1.0225	0.257	0.13	1	HC_vs_MS.Trt_F
HSP90B1	1.33E-04	0.32217	0.405	0.26	1	HC_vs_MS.Trt_F
BAZ2A	0.00013	0.63117	0.731	0.59	1	HC_vs_MS.Trt_F
TNIK	1.33E-04	0.63187	0.451	0.31	1	HC_vs_MS.Trt_F
GABARAPL1	1.33E-04	1.09232	0.251	0.13	1	HC_vs_MS.Trt_F
IRF1	1.33E-04	0.45607	0.922	0.85	1	HC_vs_MS.Trt_F
H2AFY	1.35E-04	0.30087	0.321	0.18	1	HC_vs_MS.Trt_F
COL28A1	1.36E-04	0.47694	0.488	0.34	1	HC_vs_MS.Trt_F
TUBA1B	1.37E-04	0.25627	0.442	0.28	1	HC_vs_MS.Trt_F
CALD1	1.38E-04	1.18353	0.327	0.19	1	HC_vs_MS.Trt_F
VNN3	1.39E-04	0.67349	0.477	0.32	1	HC_vs_MS.Trt_F
GSTO2	1.40E-04	0.42074	0.896	0.77	1	HC_vs_MS.Trt_F

NOTCH2	1.42E-04	0.92162	0.309	0.17	1	HC_vs_MS.Trt_F
GTPBP1	1.51E-04	0.65636	0.604	0.49	1	HC_vs_MS.Trt_F
PFKP	1.52E-04	0.30911	0.387	0.23	1	HC_vs_MS.Trt_F
TTC39C	1.55E-04	-0.9098	0.824	0.82	1	HC_vs_MS.Trt_F
PIP4K2A	1.58E-04	-0.6364	0.72	0.82	1	HC_vs_MS.Trt_F
EHD2	1.60E-04	0.91774	0.884	0.8	1	HC_vs_MS.Trt_F
RGR	1.62E-04	0.64853	0.529	0.35	1	HC_vs_MS.Trt_F
SLC30A3	1.63E-04	0.258	0.529	0.36	1	HC_vs_MS.Trt_F
TUBA1A	1.64E-04	1.06414	0.361	0.23	1	HC_vs_MS.Trt_F
DDX21	1.70E-04	0.60735	0.393	0.25	1	HC_vs_MS.Trt_F
NR4A3	1.77E-04	1.39177	0.246	0.13	1	HC_vs_MS.Trt_F
PACS1	1.77E-04	0.43457	0.853	0.79	1	HC_vs_MS.Trt_F
RPL6	1.82E-04	-0.3644	0.945	0.95	1	HC_vs_MS.Trt_F
ZSCAN30	1.89E-04	0.25346	0.835	0.67	1	HC_vs_MS.Trt_F
CREM	1.96E-04	0.66266	0.445	0.31	1	HC_vs_MS.Trt_F
DAAM1	1.97E-04	-0.3249	0.988	0.98	1	HC_vs_MS.Trt_F
PPP2R1A	1.99E-04	0.32979	0.775	0.64	1	HC_vs_MS.Trt_F
JAK2	2.00E-04	0.9393	0.303	0.17	1	HC_vs_MS.Trt_F
ARID1A	2.01E-04	0.37927	0.965	0.91	1	HC_vs_MS.Trt_F
AF011889.5	2.03E-04	0.51133	0.295	0.17	1	HC_vs_MS.Trt_F
ACBD6	2.03E-04	0.54081	0.477	0.34	1	HC_vs_MS.Trt_F
SETD1A	2.04E-04	1.1601	0.168	0.07	1	HC_vs_MS.Trt_F
VPS36	2.04E-04	0.31419	0.358	0.22	1	HC_vs_MS.Trt_F
NEGR1	2.06E-04	0.4599	0.873	0.76	1	HC_vs_MS.Trt_F
SYTL3	2.06E-04	0.39944	0.384	0.24	1	HC_vs_MS.Trt_F
GDPD5	2.08E-04	0.91824	0.332	0.19	1	HC_vs_MS.Trt_F
TMED3	2.12E-04	0.28149	0.699	0.56	1	HC_vs_MS.Trt_F
FER	2.16E-04	0.71533	0.575	0.42	1	HC_vs_MS.Trt_F
CFAP74	2.28E-04	0.27812	0.882	0.8	1	HC_vs_MS.Trt_F
MGAT4C	2.33E-04	0.38551	0.835	0.72	1	HC_vs_MS.Trt_F
CDH8	2.36E-04	0.67192	0.514	0.36	1	HC_vs_MS.Trt_F
LTBP3	2.38E-04	0.5087	0.757	0.62	1	HC_vs_MS.Trt_F
SLC38A2	2.44E-04	0.84139	0.425	0.28	1	HC_vs_MS.Trt_F
EXOSC7	2.46E-04	0.61785	0.552	0.4	1	HC_vs_MS.Trt_F
IGFBP1	2.50E-04	0.36411	0.685	0.52	1	HC_vs_MS.Trt_F
BAG6	2.61E-04	0.74754	0.691	0.55	1	HC_vs_MS.Trt_F
ALPK1	2.61E-04	0.26221	0.806	0.7	1	HC_vs_MS.Trt_F
RGPD1	0.00028	0.73241	0.364	0.22	1	HC_vs_MS.Trt_F
EXOC3L4	2.77E-04	0.30917	0.254	0.14	1	HC_vs_MS.Trt_F
IRS2	2.78E-04	1.5451	0.477	0.36	1	HC_vs_MS.Trt_F

ITGA11	2.80E-04	0.97585	0.708	0.56	1	HC_vs_MS.Trt_F
SYNE2	2.82E-04	0.38456	0.962	0.94	1	HC_vs_MS.Trt_F
SPDYE2	2.86E-04	-0.4065	0.538	0.63	1	HC_vs_MS.Trt_F
SNX9	2.92E-04	0.55735	0.254	0.14	1	HC_vs_MS.Trt_F
ATP5B	2.96E-04	0.41102	0.488	0.35	1	HC_vs_MS.Trt_F
HNRNPL	2.96E-04	-0.7091	0.85	0.81	1	HC_vs_MS.Trt_F
AP4E1	2.97E-04	-0.2631	0.486	0.34	1	HC_vs_MS.Trt_F
SETD5	3.01E-04	0.31544	0.665	0.52	1	HC_vs_MS.Trt_F
SAFB2	3.03E-04	0.69369	0.908	0.83	1	HC_vs_MS.Trt_F
TMEM91	0.00031	0.50532	0.598	0.45	1	HC_vs_MS.Trt_F
RPL18A	3.17E-04	-0.3209	0.858	0.88	1	HC_vs_MS.Trt_F
PRKCQ	3.18E-04	0.29703	0.396	0.26	1	HC_vs_MS.Trt_F
DIP2A	3.25E-04	0.64238	0.884	0.81	1	HC_vs_MS.Trt_F
JOSD1	3.25E-04	0.62833	0.639	0.5	1	HC_vs_MS.Trt_F
MFAP5	3.34E-04	0.46946	0.454	0.32	1	HC_vs_MS.Trt_F
HLA-F	3.35E-04	0.69953	0.592	0.48	1	HC_vs_MS.Trt_F
NMRK1	3.39E-04	-0.9628	0.382	0.22	1	HC_vs_MS.Trt_F
CHRDL1	3.46E-04	0.32997	0.182	0.09	1	HC_vs_MS.Trt_F
KIAA0141	3.51E-04	1.12285	0.249	0.13	1	HC_vs_MS.Trt_F
GPX3	3.57E-04	1.17362	0.205	0.1	1	HC_vs_MS.Trt_F
ZNF445	3.60E-04	0.4428	0.988	0.98	1	HC_vs_MS.Trt_F
MTBP	3.68E-04	0.58671	0.676	0.55	1	HC_vs_MS.Trt_F
ARHGEF1	3.68E-04	0.435	0.928	0.89	1	HC_vs_MS.Trt_F
DLGAP4	3.68E-04	0.71896	0.257	0.14	1	HC_vs_MS.Trt_F
SYCP1	3.76E-04	0.34961	0.384	0.25	1	HC_vs_MS.Trt_F
BRD9	3.80E-04	0.91142	0.234	0.13	1	HC_vs_MS.Trt_F
TGFBR2	3.80E-04	0.63603	0.277	0.16	1	HC_vs_MS.Trt_F
CASP8	3.83E-04	0.42835	0.931	0.91	1	HC_vs_MS.Trt_F
CD151	3.87E-04	0.44942	0.942	0.88	1	HC_vs_MS.Trt_F
CAV1	3.92E-04	1.02687	0.171	0.08	1	HC_vs_MS.Trt_F
GSG1	3.92E-04	0.36097	0.627	0.5	1	HC_vs_MS.Trt_F
PRKACB	3.95E-04	0.40677	0.35	0.22	1	HC_vs_MS.Trt_F
ZNF83	3.99E-04	0.35915	0.87	0.82	1	HC_vs_MS.Trt_F
NLK	4.04E-04	0.83536	0.37	0.23	1	HC_vs_MS.Trt_F
OPRM1	0.00041	0.44702	0.89	0.82	1	HC_vs_MS.Trt_F
RAB8B	4.09E-04	0.55788	0.399	0.27	1	HC_vs_MS.Trt_F
ZNF287	4.14E-04	0.41345	0.517	0.38	1	HC_vs_MS.Trt_F
LRCH3	4.16E-04	0.4938	0.988	0.97	1	HC_vs_MS.Trt_F
GOLGA8A	4.22E-04	0.41444	0.509	0.4	1	HC_vs_MS.Trt_F
GABPB1	4.32E-04	-0.5462	0.581	0.43	1	HC_vs_MS.Trt_F

TUBB4B	4.34E-04	0.29971	0.283	0.16	1	HC_vs_MS.Trt_F
11-Sep	4.39E-04	0.35477	0.538	0.39	1	HC_vs_MS.Trt_F
APOD	4.44E-04	0.66356	0.35	0.23	1	HC_vs_MS.Trt_F
ATXN2	0.00045	0.32559	0.934	0.86	1	HC_vs_MS.Trt_F
GTF2H2C	4.54E-04	-0.3618	0.477	0.34	1	HC_vs_MS.Trt_F
DOCK2	4.57E-04	0.41038	0.509	0.36	1	HC_vs_MS.Trt_F
PTPN1	4.60E-04	0.56723	0.41	0.26	1	HC_vs_MS.Trt_F
KMT2A	4.65E-04	0.25921	0.962	0.93	1	HC_vs_MS.Trt_F
SRSF1	4.73E-04	0.30866	0.624	0.48	1	HC_vs_MS.Trt_F
ADGRF5	4.73E-04	-1.3388	0.133	0.05	1	HC_vs_MS.Trt_F
STK4	4.74E-04	0.29067	0.925	0.86	1	HC_vs_MS.Trt_F
FNBP4	4.75E-04	0.76209	0.546	0.42	1	HC_vs_MS.Trt_F
MARK3	4.82E-04	0.63523	0.882	0.82	1	HC_vs_MS.Trt_F
SERPING1	4.84E-04	0.90094	0.15	0.07	1	HC_vs_MS.Trt_F
ANAPC1	4.95E-04	0.7405	0.65	0.5	1	HC_vs_MS.Trt_F
ZNF850	5.06E-04	0.30117	0.957	0.9	1	HC_vs_MS.Trt_F
MCMDC2	5.13E-04	1.10151	0.488	0.37	1	HC_vs_MS.Trt_F
CTBP1	5.27E-04	0.38705	0.532	0.37	1	HC_vs_MS.Trt_F
CAPN7	5.39E-04	0.55846	0.624	0.46	1	HC_vs_MS.Trt_F
FBXO15	5.40E-04	0.41706	0.665	0.55	1	HC_vs_MS.Trt_F
NIPBL	5.40E-04	0.54722	0.624	0.48	1	HC_vs_MS.Trt_F
LGMN	5.40E-04	0.2581	0.971	0.94	1	HC_vs_MS.Trt_F
PEX1	5.40E-04	0.4589	0.792	0.7	1	HC_vs_MS.Trt_F
COL1A2	5.48E-04	1.46795	0.532	0.39	1	HC_vs_MS.Trt_F
SLITRK2	5.54E-04	0.41256	0.353	0.23	1	HC_vs_MS.Trt_F
PRDM2	5.55E-04	0.52207	0.52	0.39	1	HC_vs_MS.Trt_F
PKM	5.60E-04	0.41498	0.647	0.48	1	HC_vs_MS.Trt_F
PHF1	5.63E-04	1.74344	0.234	0.13	1	HC_vs_MS.Trt_F
JUNB	5.63E-04	0.30779	0.676	0.57	1	HC_vs_MS.Trt_F
FASTKD2	5.69E-04	-0.5352	0.668	0.53	1	HC_vs_MS.Trt_F
PICALM	5.70E-04	0.40541	0.335	0.2	1	HC_vs_MS.Trt_F
UNC80	5.70E-04	0.30303	0.864	0.79	1	HC_vs_MS.Trt_F
RPS19	5.72E-04	-0.3251	0.928	0.95	1	HC_vs_MS.Trt_F
HGSNAT	5.76E-04	0.71621	0.772	0.7	1	HC_vs_MS.Trt_F
ZZEF1	5.83E-04	0.69261	0.592	0.46	1	HC_vs_MS.Trt_F
RASA1	5.84E-04	0.40577	0.312	0.19	1	HC_vs_MS.Trt_F
CYP3A5	5.92E-04	0.34766	0.884	0.8	1	HC_vs_MS.Trt_F
FKBP14	6.06E-04	0.53844	0.728	0.62	1	HC_vs_MS.Trt_F
CDC14A	6.10E-04	0.6609	0.303	0.18	1	HC_vs_MS.Trt_F
CD28	6.23E-04	0.34773	0.65	0.55	1	HC_vs_MS.Trt_F

FNTA	6.38E-04	0.55826	0.896	0.82	1	HC_vs_MS.Trt_F
RPL7	6.44E-04	-0.3343	0.844	0.84	1	HC_vs_MS.Trt_F
B3GAT1	6.55E-04	0.77716	0.312	0.19	1	HC_vs_MS.Trt_F
SRSF3	6.57E-04	-0.5961	0.902	0.9	1	HC_vs_MS.Trt_F
CD40LG	6.64E-04	1.13049	0.266	0.16	1	HC_vs_MS.Trt_F
TEP1	6.81E-04	1.22067	0.488	0.37	1	HC_vs_MS.Trt_F
SLC35C2	7.22E-04	0.48966	0.63	0.48	1	HC_vs_MS.Trt_F
MFSD14C	7.28E-04	0.64235	0.746	0.62	1	HC_vs_MS.Trt_F
PPP1R15A	7.29E-04	0.55867	0.702	0.65	1	HC_vs_MS.Trt_F
CDK6	7.33E-04	0.98685	0.257	0.15	1	HC_vs_MS.Trt_F
YTHDF3	7.48E-04	0.52174	0.754	0.64	1	HC_vs_MS.Trt_F
ARMC9	7.58E-04	0.34721	0.757	0.69	1	HC_vs_MS.Trt_F
RNF19A	7.61E-04	0.65281	0.506	0.4	1	HC_vs_MS.Trt_F
ULK4	7.86E-04	1.43013	0.431	0.29	1	HC_vs_MS.Trt_F
EFCAB11	7.88E-04	0.27902	0.873	0.8	1	HC_vs_MS.Trt_F
CDK5RAP1	7.92E-04	0.37903	0.48	0.34	1	HC_vs_MS.Trt_F
DTX2	7.93E-04	0.64469	0.506	0.37	1	HC_vs_MS.Trt_F
CLEC7A	7.95E-04	0.8115	0.665	0.52	1	HC_vs_MS.Trt_F
AKT2	7.95E-04	0.47745	0.968	0.95	1	HC_vs_MS.Trt_F
CASC3	8.09E-04	0.27646	0.697	0.53	1	HC_vs_MS.Trt_F
ATF7	8.10E-04	0.42115	0.538	0.4	1	HC_vs_MS.Trt_F
PDLIM2	8.20E-04	0.40412	0.772	0.63	1	HC_vs_MS.Trt_F
TFPI	8.30E-04	0.28437	0.948	0.89	1	HC_vs_MS.Trt_F
CBX6	8.38E-04	-0.7356	0.532	0.6	1	HC_vs_MS.Trt_F
RHBDD2	8.52E-04	0.39783	0.367	0.24	1	HC_vs_MS.Trt_F
FLNB	8.61E-04	0.26476	0.471	0.35	1	HC_vs_MS.Trt_F
CAPS2	8.69E-04	1.17019	0.488	0.36	1	HC_vs_MS.Trt_F
APOLD1	8.84E-04	0.59715	0.566	0.45	1	HC_vs_MS.Trt_F
PHKG1	8.88E-04	0.48027	0.373	0.25	1	HC_vs_MS.Trt_F
PLEC	8.88E-04	0.32157	0.439	0.31	1	HC_vs_MS.Trt_F
MBNL2	8.88E-04	0.70946	0.315	0.19	1	HC_vs_MS.Trt_F
PPP6R2	8.94E-04	0.28569	0.428	0.29	1	HC_vs_MS.Trt_F
THRA	9.01E-04	0.79343	0.208	0.1	1	HC_vs_MS.Trt_F
MYO9A	9.10E-04	0.27355	0.402	0.27	1	HC_vs_MS.Trt_F
C5orf45	9.10E-04	0.51534	0.913	0.85	1	HC_vs_MS.Trt_F
SYVN1	9.17E-04	0.55543	0.298	0.18	1	HC_vs_MS.Trt_F
MAPKBP1	9.26E-04	0.56006	0.552	0.41	1	HC_vs_MS.Trt_F
SPARCL1	9.33E-04	-0.3277	0.292	0.18	1	HC_vs_MS.Trt_F
XRCC1	9.39E-04	0.562	0.228	0.12	1	HC_vs_MS.Trt_F
CACNA1D	9.41E-04	0.78523	0.728	0.63	1	HC_vs_MS.Trt_F

NCKAP1L	9.54E-04	0.53494	0.815	0.7	1	HC_vs_MS.Trt_F
IL1RAP	9.55E-04	0.86808	0.659	0.55	1	HC_vs_MS.Trt_F
RTN4	9.57E-04	0.50522	0.35	0.23	1	HC_vs_MS.Trt_F
SEC23IP	9.57E-04	0.30227	0.512	0.39	1	HC_vs_MS.Trt_F
SRSF7	9.68E-04	0.28749	0.538	0.4	1	HC_vs_MS.Trt_F
GPR174	9.80E-04	0.59135	0.263	0.16	1	HC_vs_MS.Trt_F
WDR89	9.87E-04	0.73074	0.399	0.27	1	HC_vs_MS.Trt_F
RASL10B	9.91E-04	0.26454	0.977	0.97	1	HC_vs_MS.Trt_F
SRSF6	9.98E-04	-0.9168	0.627	0.72	1	HC_vs_MS.Trt_F
PPIC	9.98E-04	0.85472	0.173	0.09	1	HC_vs_MS.Trt_F
DND1	0.001	-0.4854	0.038	0.1	1	HC_vs_MS.Trt_F
ABO	0.00101	0.38498	0.462	0.33	1	HC_vs_MS.Trt_F
AFDN	0.00101	1.39012	0.185	0.09	1	HC_vs_MS.Trt_F
BCO2	0.00101	0.60759	0.627	0.51	1	HC_vs_MS.Trt_F
CMSS1	0.00101	0.46884	0.763	0.71	1	HC_vs_MS.Trt_F
SP3	0.00102	0.76178	0.639	0.49	1	HC_vs_MS.Trt_F
CSTF1	0.00103	-1.0021	0.72	0.82	1	HC_vs_MS.Trt_F
RIMS2	0.00105	0.31122	0.957	0.92	1	HC_vs_MS.Trt_F
INO80C	0.00105	0.3389	0.934	0.92	1	HC_vs_MS.Trt_F
KIAA1328	0.00105	0.32626	0.986	0.94	1	HC_vs_MS.Trt_F
PDGFRB	0.00106	1.07898	0.116	0.04	1	HC_vs_MS.Trt_F
CXorf38	0.00106	0.35104	0.847	0.82	1	HC_vs_MS.Trt_F
CTNNB1	0.00108	-0.5018	0.503	0.63	1	HC_vs_MS.Trt_F
NDUFAF5	0.00111	0.33658	0.633	0.48	1	HC_vs_MS.Trt_F
SLC17A5	0.00111	0.27962	0.569	0.42	1	HC_vs_MS.Trt_F
SEC16A	0.00111	0.49279	0.26	0.15	1	HC_vs_MS.Trt_F
RHOC	0.00112	0.47627	0.266	0.16	1	HC_vs_MS.Trt_F
MT-ND3	0.00112	0.3804	0.532	0.42	1	HC_vs_MS.Trt_F
DNAJB1	0.00114	0.39319	0.777	0.68	1	HC_vs_MS.Trt_F
CCDC144A	0.00114	0.61818	0.908	0.87	1	HC_vs_MS.Trt_F
UBA1	0.00116	0.45713	0.844	0.76	1	HC_vs_MS.Trt_F
MAP1LC3B	0.00117	0.48261	0.442	0.31	1	HC_vs_MS.Trt_F
XDH	0.00117	0.39592	0.431	0.31	1	HC_vs_MS.Trt_F
NRG4	0.00117	0.45343	0.72	0.59	1	HC_vs_MS.Trt_F
FOSB	0.00118	1.01596	0.474	0.36	1	HC_vs_MS.Trt_F
NXF1	0.0012	0.41197	0.673	0.56	1	HC_vs_MS.Trt_F
VPS13B	0.0012	0.38962	0.76	0.63	1	HC_vs_MS.Trt_F
KIAA1683	0.00121	0.67114	0.717	0.6	1	HC_vs_MS.Trt_F
BAG1	0.00121	0.38603	0.954	0.87	1	HC_vs_MS.Trt_F
CECR1	0.00122	0.73383	0.503	0.36	1	HC_vs_MS.Trt_F

CSF2RA	0.00124	0.27408	0.988	0.97	1	HC_vs_MS.Trt_F
EFTUD2	0.00125	0.44303	0.806	0.76	1	HC_vs_MS.Trt_F
ZMAT5	0.00125	0.41597	0.777	0.68	1	HC_vs_MS.Trt_F
APBB3	0.00126	0.94463	0.202	0.11	1	HC_vs_MS.Trt_F
SV2B	0.00127	0.27837	0.442	0.31	1	HC_vs_MS.Trt_F
ARHGEF9	0.00128	0.80408	0.613	0.52	1	HC_vs_MS.Trt_F
CXXC5	0.00129	-0.682	0.569	0.45	1	HC_vs_MS.Trt_F
BATF	0.0013	0.63187	0.24	0.14	1	HC_vs_MS.Trt_F
KDM4C	0.00131	0.39711	0.332	0.22	1	HC_vs_MS.Trt_F
ANKRD44	0.00131	0.30399	0.864	0.76	1	HC_vs_MS.Trt_F
MT-ND6	0.00131	0.30395	0.777	0.65	1	HC_vs_MS.Trt_F
SLC4A5	0.00132	0.59443	0.827	0.72	1	HC_vs_MS.Trt_F
DNAJB11	0.00134	0.75289	0.269	0.16	1	HC_vs_MS.Trt_F
CDH6	0.00135	0.26678	0.627	0.5	1	HC_vs_MS.Trt_F
ABHD11	0.00135	0.57246	0.751	0.59	1	HC_vs_MS.Trt_F
DUSP6	0.00135	1.44208	0.147	0.07	1	HC_vs_MS.Trt_F
MYO10	0.00137	0.41577	0.74	0.62	1	HC_vs_MS.Trt_F
GSN	0.00146	0.71788	0.714	0.64	1	HC_vs_MS.Trt_F
ZGPAT	0.00146	1.23283	0.208	0.11	1	HC_vs_MS.Trt_F
BTLA	0.00148	-0.3636	0.22	0.12	1	HC_vs_MS.Trt_F
SDCBP	0.00149	0.33103	0.309	0.2	1	HC_vs_MS.Trt_F
PISD	0.00149	0.51966	0.217	0.12	1	HC_vs_MS.Trt_F
FRRS1L	0.00151	0.25355	0.925	0.85	1	HC_vs_MS.Trt_F
IRAK1BP1	0.00151	0.47069	0.734	0.61	1	HC_vs_MS.Trt_F
PCDH10	0.00152	0.35199	0.214	0.12	1	HC_vs_MS.Trt_F
INPP4B	0.00154	0.51993	0.601	0.49	1	HC_vs_MS.Trt_F
HMGA2	0.00155	0.2695	0.74	0.62	1	HC_vs_MS.Trt_F
TBC1D5	0.00156	0.38266	0.647	0.54	1	HC_vs_MS.Trt_F
FAM120C	0.00156	0.53132	0.298	0.19	1	HC_vs_MS.Trt_F
NUP35	0.00156	-0.2705	0.662	0.5	1	HC_vs_MS.Trt_F
TACC1	0.00158	0.45926	0.566	0.47	1	HC_vs_MS.Trt_F
AP1G2	0.00158	0.28316	0.731	0.63	1	HC_vs_MS.Trt_F
C10orf10	0.00158	0.57591	0.107	0.04	1	HC_vs_MS.Trt_F
SPDYE1	0.00161	-0.3825	0.483	0.59	1	HC_vs_MS.Trt_F
BCLAF1	0.00162	0.54117	0.512	0.4	1	HC_vs_MS.Trt_F
LRBA	0.00164	0.85222	0.52	0.4	1	HC_vs_MS.Trt_F
ARHGAP29	0.00166	0.31808	0.538	0.38	1	HC_vs_MS.Trt_F
NR4A1	0.00168	0.31964	0.569	0.44	1	HC_vs_MS.Trt_F
FREM2	0.00168	-0.3411	0.598	0.67	1	HC_vs_MS.Trt_F
RPS18	0.00169	-0.2835	0.954	0.95	1	HC_vs_MS.Trt_F



FGF23	0.0017	0.42301	0.925	0.82	1	HC_vs_MS.Trt_F
OPHN1	0.00172	0.27755	0.977	0.96	1	HC_vs_MS.Trt_F
PTBP3	0.00173	0.41785	0.425	0.31	1	HC_vs_MS.Trt_F
TKT	0.00173	0.26282	0.705	0.58	1	HC_vs_MS.Trt_F
ZNF212	0.00174	-0.2991	0.506	0.37	1	HC_vs_MS.Trt_F
CCDC7	0.00174	1.17193	0.191	0.1	1	HC_vs_MS.Trt_F
CCDC57	0.00175	0.35762	0.997	0.99	1	HC_vs_MS.Trt_F
GADD45B	0.00175	1.1691	0.22	0.13	1	HC_vs_MS.Trt_F
AIFM2	0.00175	-0.402	0.514	0.37	1	HC_vs_MS.Trt_F
GCNT4	0.00175	-0.8987	0.344	0.44	1	HC_vs_MS.Trt_F
LYRM2	0.00177	0.31734	0.876	0.81	1	HC_vs_MS.Trt_F
CYB561D1	0.0018	0.52482	0.5	0.39	1	HC_vs_MS.Trt_F
OSBPL10	0.00181	0.45361	0.468	0.36	1	HC_vs_MS.Trt_F
SUCO	0.00181	1.14667	0.194	0.1	1	HC_vs_MS.Trt_F
KDM6B	0.00183	0.88227	0.289	0.18	1	HC_vs_MS.Trt_F
CPT2	0.00186	0.44765	0.818	0.73	1	HC_vs_MS.Trt_F
KLC4	0.00186	0.59678	0.876	0.8	1	HC_vs_MS.Trt_F
PSMB5	0.00186	1.05922	0.231	0.13	1	HC_vs_MS.Trt_F
FOSL2	0.00187	0.94631	0.347	0.25	1	HC_vs_MS.Trt_F
BAZ2B	0.00187	0.66861	0.847	0.81	1	HC_vs_MS.Trt_F
HNRNPDL	0.00188	0.26565	0.636	0.51	1	HC_vs_MS.Trt_F
KIF1B	0.00191	1.02637	0.844	0.74	1	HC_vs_MS.Trt_F
PTBP1	0.00192	0.76494	0.303	0.2	1	HC_vs_MS.Trt_F
EIF2S3	0.00193	-0.4325	0.957	0.96	1	HC_vs_MS.Trt_F
GRIA4	0.00193	0.41043	0.191	0.1	1	HC_vs_MS.Trt_F
GAPDH	0.00193	0.2666	0.818	0.71	1	HC_vs_MS.Trt_F
KDM5D	0.00195	1.9068	0.39	0.27	1	HC_vs_MS.Trt_F
MPRIP	0.00197	0.77715	0.948	0.89	1	HC_vs_MS.Trt_F
MRPS28	0.00197	0.29233	0.711	0.59	1	HC_vs_MS.Trt_F
RASGEF1B	0.00199	0.64483	0.812	0.7	1	HC_vs_MS.Trt_F
TLDC1	0.002	0.53224	0.783	0.64	1	HC_vs_MS.Trt_F
TOMM7	0.002	0.34423	0.564	0.44	1	HC_vs_MS.Trt_F
DHX30	0.00201	0.37323	0.734	0.63	1	HC_vs_MS.Trt_F
PIGG	0.00201	0.56351	0.627	0.51	1	HC_vs_MS.Trt_F
HOOK2	0.00201	0.34746	0.98	0.95	1	HC_vs_MS.Trt_F
COL5A1	0.00202	1.02154	0.104	0.04	1	HC_vs_MS.Trt_F
EMP2	0.00204	0.32614	0.957	0.91	1	HC_vs_MS.Trt_F
POLR2G	0.00205	0.60647	0.237	0.14	1	HC_vs_MS.Trt_F
MFSD6	0.00206	0.86444	0.249	0.15	1	HC_vs_MS.Trt_F
PHYH	0.00207	0.68395	0.309	0.2	1	HC_vs_MS.Trt_F

CPB1	0.0021	0.44064	0.569	0.45	1	HC_vs_MS.Trt_F
ELK1	0.00213	0.36672	0.171	0.08	1	HC_vs_MS.Trt_F
ACAD9	0.00213	0.56924	0.338	0.22	1	HC_vs_MS.Trt_F
MCF2L2	0.00215	0.68164	0.962	0.94	1	HC_vs_MS.Trt_F
NPHP4	0.00218	0.89568	0.145	0.07	1	HC_vs_MS.Trt_F
GRK4	0.00218	0.39016	0.653	0.53	1	HC_vs_MS.Trt_F
CLCN7	0.0022	0.65062	0.387	0.26	1	HC_vs_MS.Trt_F
SLC25A45	0.00222	-0.4515	0.951	0.98	1	HC_vs_MS.Trt_F
SPC25	0.00225	0.39152	0.763	0.65	1	HC_vs_MS.Trt_F
GNB1L	0.00226	0.88069	0.292	0.18	1	HC_vs_MS.Trt_F
USP25	0.00226	-0.8286	0.52	0.37	1	HC_vs_MS.Trt_F
POU6F2	0.00226	0.29791	0.353	0.23	1	HC_vs_MS.Trt_F
TMEM106A	0.00227	0.45726	0.728	0.65	1	HC_vs_MS.Trt_F
MYCBP2	0.00229	0.33341	0.465	0.34	1	HC_vs_MS.Trt_F
HK1	0.00229	0.26933	0.647	0.52	1	HC_vs_MS.Trt_F
GNL2	0.0023	0.32914	0.76	0.66	1	HC_vs_MS.Trt_F
TRPM7	0.0023	0.88375	0.934	0.91	1	HC_vs_MS.Trt_F
MNS1	0.0023	0.42342	0.234	0.14	1	HC_vs_MS.Trt_F
ADGRE5	0.00232	0.47338	0.734	0.6	1	HC_vs_MS.Trt_F
GCN1	0.00232	0.78365	0.217	0.12	1	HC_vs_MS.Trt_F
BICDL1	0.00232	0.95955	0.662	0.58	1	HC_vs_MS.Trt_F
GSTM3	0.00232	0.44027	0.598	0.47	1	HC_vs_MS.Trt_F
ITGB1	0.00233	-0.6736	0.592	0.64	1	HC_vs_MS.Trt_F
ZNF398	0.00233	0.83542	0.269	0.17	1	HC_vs_MS.Trt_F
STRN4	0.00234	0.40198	0.598	0.48	1	HC_vs_MS.Trt_F
SUSD3	0.00236	-0.7574	0.298	0.4	1	HC_vs_MS.Trt_F
KIF27	0.00238	-0.5144	0.474	0.35	1	HC_vs_MS.Trt_F
KLHL33	0.00238	0.40268	0.59	0.48	1	HC_vs_MS.Trt_F
KARS	0.00239	0.30737	0.332	0.21	1	HC_vs_MS.Trt_F
ATP2B4	0.00243	0.4398	0.578	0.44	1	HC_vs_MS.Trt_F
RERE	0.00244	0.55003	0.451	0.33	1	HC_vs_MS.Trt_F
STXBP2	0.00245	0.97255	0.321	0.22	1	HC_vs_MS.Trt_F
U2SURP	0.00246	0.41687	0.364	0.25	1	HC_vs_MS.Trt_F
GSTM4	0.00248	0.38874	0.211	0.12	1	HC_vs_MS.Trt_F
PRDX4	0.00249	0.70764	0.176	0.09	1	HC_vs_MS.Trt_F
ALDH3B1	0.0025	0.30348	0.809	0.75	1	HC_vs_MS.Trt_F
PAX6	0.00251	0.43348	0.396	0.28	1	HC_vs_MS.Trt_F
ULK3	0.00251	0.37375	0.251	0.14	1	HC_vs_MS.Trt_F
EPB41L2	0.00253	0.34458	0.214	0.12	1	HC_vs_MS.Trt_F
ZBTB40	0.00253	0.65066	0.526	0.4	1	HC_vs_MS.Trt_F

PRPF40A	0.00255	0.38801	0.587	0.46	1	HC_vs_MS.Trt_F
PCM1	0.00256	0.45999	0.887	0.78	1	HC_vs_MS.Trt_F
YIPF6	0.00256	0.48175	0.908	0.82	1	HC_vs_MS.Trt_F
TBC1D20	0.00257	0.50573	0.694	0.58	1	HC_vs_MS.Trt_F
HSPA1B	0.00257	0.33657	0.329	0.21	1	HC_vs_MS.Trt_F
LRCH4	0.00258	0.45979	0.575	0.45	1	HC_vs_MS.Trt_F
ARAF	0.00259	0.30093	0.24	0.14	1	HC_vs_MS.Trt_F
MSI2	0.00259	0.95831	0.942	0.86	1	HC_vs_MS.Trt_F
ADSS	0.0026	0.34284	0.231	0.14	1	HC_vs_MS.Trt_F
JAZF1	0.0026	1.12812	0.194	0.11	1	HC_vs_MS.Trt_F
BCL6	0.00263	0.92526	0.191	0.1	1	HC_vs_MS.Trt_F
PHLDA1	0.00265	0.64092	0.624	0.53	1	HC_vs_MS.Trt_F
TMX1	0.00266	0.49633	0.497	0.37	1	HC_vs_MS.Trt_F
CNOT6	0.00267	1.03529	0.182	0.09	1	HC_vs_MS.Trt_F
SYMPK	0.00268	0.49576	0.922	0.86	1	HC_vs_MS.Trt_F
POLR2I	0.00271	0.5953	0.231	0.13	1	HC_vs_MS.Trt_F
PRKAG2	0.00272	0.78639	0.422	0.31	1	HC_vs_MS.Trt_F
IDE	0.00272	0.63601	0.564	0.44	1	HC_vs_MS.Trt_F
TTC39A	0.00272	0.29805	0.376	0.27	1	HC_vs_MS.Trt_F
REEP3	0.00273	-2.0319	0.486	0.53	1	HC_vs_MS.Trt_F
CTNND1	0.00273	0.68908	0.483	0.36	1	HC_vs_MS.Trt_F
KHDRBS1	0.00276	0.42059	0.24	0.14	1	HC_vs_MS.Trt_F
CTDSPL	0.00276	0.55258	0.335	0.22	1	HC_vs_MS.Trt_F
TXNRD2	0.00276	0.52433	0.925	0.83	1	HC_vs_MS.Trt_F
MAPK8	0.00277	0.49498	0.497	0.37	1	HC_vs_MS.Trt_F
PTTG1IP	0.00277	0.60377	0.254	0.16	1	HC_vs_MS.Trt_F
PSMB7	0.00278	0.37107	0.277	0.18	1	HC_vs_MS.Trt_F
TTL	0.00279	0.27011	0.939	0.88	1	HC_vs_MS.Trt_F
SAMD15	0.00279	0.27306	0.361	0.25	1	HC_vs_MS.Trt_F
LPCAT4	0.00279	0.26807	0.439	0.32	1	HC_vs_MS.Trt_F
KIAA2026	0.0028	0.64122	0.269	0.17	1	HC_vs_MS.Trt_F
DUSP10	0.00283	0.83671	0.335	0.22	1	HC_vs_MS.Trt_F
HNF4G	0.00284	0.44077	0.329	0.22	1	HC_vs_MS.Trt_F
LYPLA2	0.00285	0.65052	0.208	0.12	1	HC_vs_MS.Trt_F
USP9X	0.00286	0.2719	0.645	0.53	1	HC_vs_MS.Trt_F
ESYT2	0.00286	0.2524	0.668	0.56	1	HC_vs_MS.Trt_F
MED26	0.00287	2.24686	0.124	0.06	1	HC_vs_MS.Trt_F
SPTLC3	0.00293	0.61254	0.575	0.48	1	HC_vs_MS.Trt_F
GON4L	0.00294	0.52594	0.887	0.84	1	HC_vs_MS.Trt_F
PARBP	0.00294	-1.1594	0.465	0.34	1	HC_vs_MS.Trt_F

WSB1	0.00295	0.4369	0.899	0.83	1	HC_vs_MS.Trt_F
SCAMP4	0.00295	0.41884	0.908	0.89	1	HC_vs_MS.Trt_F
ZBTB16	0.00295	1.15229	0.442	0.33	1	HC_vs_MS.Trt_F
ICAM1	0.00298	0.4424	0.555	0.42	1	HC_vs_MS.Trt_F
PIEZO1	0.00298	0.38248	0.448	0.32	1	HC_vs_MS.Trt_F
SZT2	0.00299	0.322	0.884	0.81	1	HC_vs_MS.Trt_F
MAPK6	0.00303	-1.0844	0.54	0.42	1	HC_vs_MS.Trt_F
CSF3R	0.00303	0.81987	0.711	0.58	1	HC_vs_MS.Trt_F
PTGER4	0.00304	0.33699	0.277	0.17	1	HC_vs_MS.Trt_F
UNKL	0.00305	-0.5808	0.379	0.48	1	HC_vs_MS.Trt_F
PIK3R5	0.00306	0.37803	0.422	0.29	1	HC_vs_MS.Trt_F
MAPRE2	0.00308	0.54657	0.338	0.24	1	HC_vs_MS.Trt_F
DMAP1	0.00308	0.38046	0.572	0.43	1	HC_vs_MS.Trt_F
CD55	0.00311	0.5458	0.633	0.54	1	HC_vs_MS.Trt_F
ZNF623	0.00311	0.42782	0.72	0.63	1	HC_vs_MS.Trt_F
PTRF	0.00312	0.53193	0.474	0.35	1	HC_vs_MS.Trt_F
EIF1B	0.00312	0.49957	0.246	0.15	1	HC_vs_MS.Trt_F
ZMYM2	0.00315	0.40711	0.454	0.34	1	HC_vs_MS.Trt_F
TAGAP	0.00316	0.54789	0.353	0.25	1	HC_vs_MS.Trt_F
HACD2	0.00317	0.28862	0.968	0.91	1	HC_vs_MS.Trt_F
DCN	0.00321	0.82879	0.749	0.62	1	HC_vs_MS.Trt_F
FAM118A	0.00321	0.67733	0.621	0.52	1	HC_vs_MS.Trt_F
SFXN3	0.00322	0.49947	0.419	0.31	1	HC_vs_MS.Trt_F
PIGP	0.00323	0.44198	0.835	0.78	1	HC_vs_MS.Trt_F
AP006285.1	0.00327	0.29719	0.861	0.78	1	HC_vs_MS.Trt_F
LYZ	0.0033	0.43286	0.503	0.37	1	HC_vs_MS.Trt_F
CARD16	0.00331	0.28514	0.361	0.24	1	HC_vs_MS.Trt_F
SHANK2	0.00331	0.37653	0.384	0.28	1	HC_vs_MS.Trt_F
RNF8	0.00332	0.77632	0.561	0.45	1	HC_vs_MS.Trt_F
GPR137C	0.00335	0.4032	0.63	0.55	1	HC_vs_MS.Trt_F
PGD	0.00336	0.84275	0.194	0.1	1	HC_vs_MS.Trt_F
NPIP6	0.00337	0.74295	0.289	0.19	1	HC_vs_MS.Trt_F
TPCN2	0.00337	1.06197	0.682	0.59	1	HC_vs_MS.Trt_F
PLOD2	0.00337	0.33856	0.439	0.34	1	HC_vs_MS.Trt_F
TJP1	0.00338	1.00989	0.263	0.16	1	HC_vs_MS.Trt_F
CCDC36	0.00341	0.26716	0.451	0.32	1	HC_vs_MS.Trt_F
ARHGEF10	0.00345	-0.7187	0.694	0.79	1	HC_vs_MS.Trt_F
XPNPEP1	0.00346	0.3179	0.431	0.3	1	HC_vs_MS.Trt_F
NFX1	0.00347	0.35277	0.899	0.78	1	HC_vs_MS.Trt_F
SH2B1	0.00348	0.43947	0.642	0.51	1	HC_vs_MS.Trt_F

ADK	0.00349	0.56643	0.289	0.19	1	HC_vs_MS.Trt_F
CXCR4	0.0035	0.59373	0.37	0.27	1	HC_vs_MS.Trt_F
ITPR3	0.0035	1.54602	0.205	0.12	1	HC_vs_MS.Trt_F
3-Mar	0.00352	0.58582	0.396	0.27	1	HC_vs_MS.Trt_F
PHF12	0.00355	0.39766	0.757	0.66	1	HC_vs_MS.Trt_F
AP2A2	0.0036	0.32045	0.757	0.63	1	HC_vs_MS.Trt_F
CITED2	0.00361	1.07456	0.249	0.16	1	HC_vs_MS.Trt_F
NPIP15	0.00363	-0.9856	0.237	0.33	1	HC_vs_MS.Trt_F
MAN1A2	0.00363	0.28327	0.367	0.25	1	HC_vs_MS.Trt_F
CH507-42P1	0.00366	1.12486	0.257	0.17	1	HC_vs_MS.Trt_F
SERPINB9	0.00367	-0.3302	0.708	0.8	1	HC_vs_MS.Trt_F
NUDCD1	0.00368	1.34908	0.162	0.08	1	HC_vs_MS.Trt_F
NSMCE2	0.00371	0.28434	0.647	0.54	1	HC_vs_MS.Trt_F
FSBP	0.00371	0.70947	0.384	0.27	1	HC_vs_MS.Trt_F
SGMS1	0.00375	0.631	0.286	0.18	1	HC_vs_MS.Trt_F
KATNAL1	0.00376	0.93559	0.613	0.52	1	HC_vs_MS.Trt_F
OGDH	0.00378	0.27042	0.595	0.46	1	HC_vs_MS.Trt_F
NUP214	0.0038	0.36654	0.694	0.62	1	HC_vs_MS.Trt_F
TAOK2	0.00381	-0.2887	0.179	0.09	1	HC_vs_MS.Trt_F
RUNDC3B	0.00383	0.4086	0.309	0.21	1	HC_vs_MS.Trt_F
PLAUR	0.00383	1.79111	0.647	0.56	1	HC_vs_MS.Trt_F
STK17B	0.00385	-0.4904	0.948	0.94	1	HC_vs_MS.Trt_F
CLEC2D	0.00388	-0.5661	0.803	0.83	1	HC_vs_MS.Trt_F
ARFGEF1	0.00389	0.30342	0.697	0.57	1	HC_vs_MS.Trt_F
SPON2	0.00389	0.94912	0.488	0.37	1	HC_vs_MS.Trt_F
AKAP6	0.0039	-0.4409	0.777	0.66	1	HC_vs_MS.Trt_F
IL21R	0.00393	0.60111	0.645	0.52	1	HC_vs_MS.Trt_F
MTMR10	0.00395	1.15077	0.272	0.18	1	HC_vs_MS.Trt_F
BRD1	0.00396	0.84111	0.199	0.12	1	HC_vs_MS.Trt_F
ATXN2L	0.00396	1.40931	0.298	0.21	1	HC_vs_MS.Trt_F
AACS	0.00397	0.39749	0.991	1	1	HC_vs_MS.Trt_F
C1orf158	0.00398	-0.5282	0.777	0.88	1	HC_vs_MS.Trt_F
LHFP	0.00399	0.29673	0.26	0.17	1	HC_vs_MS.Trt_F
FGL2	0.004	0.83324	0.396	0.29	1	HC_vs_MS.Trt_F
NBAS	0.00401	0.99877	0.251	0.16	1	HC_vs_MS.Trt_F
STK33	0.00401	0.31216	0.893	0.82	1	HC_vs_MS.Trt_F
COPA	0.00405	-0.2614	0.35	0.23	1	HC_vs_MS.Trt_F
MRPS5	0.00405	0.26995	0.832	0.74	1	HC_vs_MS.Trt_F
MLANA	0.00406	0.32816	0.506	0.39	1	HC_vs_MS.Trt_F
ANKRD17	0.00406	0.98361	0.295	0.2	1	HC_vs_MS.Trt_F

STARD8	0.00413	0.45009	0.76	0.67	1	HC_vs_MS.Trt_F
GALK1	0.00415	0.64077	0.402	0.28	1	HC_vs_MS.Trt_F
TRAPPC3L	0.0042	0.28212	0.616	0.48	1	HC_vs_MS.Trt_F
STIL	0.00423	0.31984	0.668	0.55	1	HC_vs_MS.Trt_F
OTUD4	0.00425	0.67411	0.699	0.6	1	HC_vs_MS.Trt_F
MED28	0.00429	0.47575	0.91	0.87	1	HC_vs_MS.Trt_F
RALGDS	0.00429	0.62441	0.373	0.27	1	HC_vs_MS.Trt_F
MBD6	0.00432	0.78746	0.329	0.23	1	HC_vs_MS.Trt_F
ANP32A	0.00436	0.72776	0.312	0.21	1	HC_vs_MS.Trt_F
SNU13	0.00438	0.25678	0.324	0.22	1	HC_vs_MS.Trt_F
JRK	0.00438	1.33191	0.483	0.35	1	HC_vs_MS.Trt_F
RP11-449H3	0.00441	0.9944	0.341	0.23	1	HC_vs_MS.Trt_F
ZNF789	0.00443	-1.0495	0.734	0.8	1	HC_vs_MS.Trt_F
DCTN4	0.00444	0.40768	0.399	0.29	1	HC_vs_MS.Trt_F
NCALD	0.00444	-0.3224	0.78	0.65	1	HC_vs_MS.Trt_F
CDHR3	0.00448	0.39549	0.676	0.51	1	HC_vs_MS.Trt_F
HLA-DPA1	0.00453	0.28352	0.309	0.2	1	HC_vs_MS.Trt_F
AKNA	0.00454	0.3562	0.925	0.9	1	HC_vs_MS.Trt_F
SECISBP2L	0.00454	0.27523	0.792	0.68	1	HC_vs_MS.Trt_F
LMCD1	0.00454	0.43904	0.37	0.27	1	HC_vs_MS.Trt_F
TAB3	0.00454	1.09462	0.749	0.67	1	HC_vs_MS.Trt_F
LETM1	0.00458	-0.4693	0.838	0.89	1	HC_vs_MS.Trt_F
PTP4A1	0.00465	0.41554	0.298	0.2	1	HC_vs_MS.Trt_F
GIMAP1	0.00465	0.32034	0.509	0.38	1	HC_vs_MS.Trt_F
MRPL43	0.0047	0.91448	0.185	0.1	1	HC_vs_MS.Trt_F
NTRK1	0.0047	0.91525	0.249	0.16	1	HC_vs_MS.Trt_F
PLP2	0.0048	0.3136	0.41	0.3	1	HC_vs_MS.Trt_F
CUX1	0.0048	0.3686	0.358	0.25	1	HC_vs_MS.Trt_F
MYL6	0.00481	-0.3862	0.688	0.71	1	HC_vs_MS.Trt_F
PPIP5K1	0.0049	0.41428	0.63	0.51	1	HC_vs_MS.Trt_F
CIC	0.0049	0.93965	0.15	0.08	1	HC_vs_MS.Trt_F
ARHGAP33	0.00492	1.11964	0.197	0.12	1	HC_vs_MS.Trt_F
NDE1	0.00492	0.44016	0.812	0.72	1	HC_vs_MS.Trt_F
SP2	0.00493	1.36104	0.384	0.28	1	HC_vs_MS.Trt_F
GIMAP7	0.00494	-0.5381	0.41	0.49	1	HC_vs_MS.Trt_F
CCT6A	0.00495	-0.2502	0.63	0.46	1	HC_vs_MS.Trt_F
MAGI1	0.00497	0.29397	0.133	0.07	1	HC_vs_MS.Trt_F
SPNS1	0.00498	0.59507	0.87	0.76	1	HC_vs_MS.Trt_F
ZNF595	0.00499	0.43084	0.858	0.83	1	HC_vs_MS.Trt_F
ADAMTSL3	0.005	0.35039	0.98	0.89	1	HC_vs_MS.Trt_F

MBOAT2	0.00508	0.71333	0.379	0.26	1	HC_vs_MS.Trt_F
SUOX	0.00511	0.46536	0.835	0.78	1	HC_vs_MS.Trt_F
ZC3H12D	0.00514	0.50447	0.876	0.82	1	HC_vs_MS.Trt_F
DUSP28	0.00515	0.28986	0.754	0.64	1	HC_vs_MS.Trt_F
LTA4H	0.00521	0.40495	0.393	0.27	1	HC_vs_MS.Trt_F
AP3B1	0.00522	-0.3227	0.486	0.35	1	HC_vs_MS.Trt_F
RFX7	0.00524	0.54746	0.234	0.15	1	HC_vs_MS.Trt_F
HOMER2	0.00526	0.32705	0.616	0.51	1	HC_vs_MS.Trt_F
RORA	0.00527	0.35315	0.697	0.62	1	HC_vs_MS.Trt_F
FAH	0.0053	1.39295	0.205	0.12	1	HC_vs_MS.Trt_F
ST8SIA3	0.00533	0.27588	0.191	0.11	1	HC_vs_MS.Trt_F
CD47	0.00536	-0.5299	0.887	0.88	1	HC_vs_MS.Trt_F
PAM16	0.00536	1.08214	0.237	0.14	1	HC_vs_MS.Trt_F
C2orf68	0.00538	-0.8746	0.829	0.83	1	HC_vs_MS.Trt_F
HN1	0.00541	0.33801	0.812	0.73	1	HC_vs_MS.Trt_F
GBF1	0.00545	0.46813	0.243	0.15	1	HC_vs_MS.Trt_F
PPP5C	0.0055	0.47546	0.558	0.44	1	HC_vs_MS.Trt_F
AMPD2	0.00551	1.35208	0.165	0.09	1	HC_vs_MS.Trt_F
MRPS26	0.00553	0.53173	0.194	0.11	1	HC_vs_MS.Trt_F
PINLYP	0.00567	0.25216	0.621	0.51	1	HC_vs_MS.Trt_F
HLA-DOA	0.00569	0.52023	0.743	0.6	1	HC_vs_MS.Trt_F
GSK3B	0.00575	0.91059	0.766	0.68	1	HC_vs_MS.Trt_F
FAM13B	0.00582	0.6284	0.48	0.37	1	HC_vs_MS.Trt_F
9-Sep	0.00585	0.56896	0.549	0.45	1	HC_vs_MS.Trt_F
FAN1	0.00586	-0.5175	0.309	0.21	1	HC_vs_MS.Trt_F
ATAT1	0.00589	0.8652	0.121	0.06	1	HC_vs_MS.Trt_F
KIF18A	0.00594	-0.2849	0.405	0.29	1	HC_vs_MS.Trt_F
HSPA1A	0.00598	0.6168	0.263	0.17	1	HC_vs_MS.Trt_F
GCLM	0.00598	0.39192	0.746	0.67	1	HC_vs_MS.Trt_F
ACVR2B	0.006	0.70618	0.491	0.4	1	HC_vs_MS.Trt_F
NUDCD3	0.006	0.29719	0.344	0.24	1	HC_vs_MS.Trt_F
RBBP9	0.00601	1.57793	0.486	0.38	1	HC_vs_MS.Trt_F
AC024592.1	0.00607	1.00937	0.376	0.28	1	HC_vs_MS.Trt_F
GBP4	0.00608	0.4344	0.838	0.72	1	HC_vs_MS.Trt_F
ACSL4	0.00611	0.65887	0.217	0.13	1	HC_vs_MS.Trt_F
TUBGCP2	0.00611	0.25066	0.801	0.72	1	HC_vs_MS.Trt_F
DPY19L3	0.00611	0.25543	0.934	0.9	1	HC_vs_MS.Trt_F
ARHGAP10	0.00615	0.68287	0.182	0.1	1	HC_vs_MS.Trt_F
LGALS8	0.00615	0.43334	0.708	0.59	1	HC_vs_MS.Trt_F
TNKS1BP1	0.00615	0.61469	0.118	0.06	1	HC_vs_MS.Trt_F

ATG2A	0.00617	0.54006	0.801	0.71	1	HC_vs_MS.Trt_F
EXOSC10	0.00617	0.41045	0.893	0.8	1	HC_vs_MS.Trt_F
NCBP1	0.00618	0.78649	0.688	0.6	1	HC_vs_MS.Trt_F
ECSIT	0.00618	0.64907	0.327	0.23	1	HC_vs_MS.Trt_F
THAP4	0.00618	0.56239	0.185	0.1	1	HC_vs_MS.Trt_F
TANC2	0.00622	-0.994	0.327	0.22	1	HC_vs_MS.Trt_F
AP3M2	0.00623	0.55551	0.208	0.12	1	HC_vs_MS.Trt_F
TRNT1	0.00623	0.50663	0.396	0.28	1	HC_vs_MS.Trt_F
ADORA2A	0.00635	0.79095	0.237	0.15	1	HC_vs_MS.Trt_F
ILF3	0.00641	0.26759	0.803	0.72	1	HC_vs_MS.Trt_F
ZNF544	0.00644	0.26251	0.954	0.92	1	HC_vs_MS.Trt_F
YIPF5	0.00649	1.01818	0.569	0.5	1	HC_vs_MS.Trt_F
NCK2	0.0065	0.91276	0.292	0.2	1	HC_vs_MS.Trt_F
RPLP1	0.00657	-0.2594	0.939	0.96	1	HC_vs_MS.Trt_F
CALM1	0.00658	-0.3845	0.803	0.8	1	HC_vs_MS.Trt_F
TLR2	0.00659	0.33803	0.156	0.09	1	HC_vs_MS.Trt_F
ZNF638	0.00663	0.30166	0.448	0.33	1	HC_vs_MS.Trt_F
HSD17B8	0.00664	-0.2901	0.153	0.08	1	HC_vs_MS.Trt_F
METTL23	0.00667	0.38555	0.243	0.16	1	HC_vs_MS.Trt_F
METTL22	0.00668	0.98136	0.705	0.62	1	HC_vs_MS.Trt_F
CCT2	0.00668	-0.2846	0.899	0.8	1	HC_vs_MS.Trt_F
ATR	0.00669	0.32687	0.561	0.44	1	HC_vs_MS.Trt_F
ATIC	0.00673	0.27763	0.451	0.34	1	HC_vs_MS.Trt_F
SLC4A8	0.00674	0.39724	0.948	0.93	1	HC_vs_MS.Trt_F
RGPD8	0.00675	0.79226	0.327	0.23	1	HC_vs_MS.Trt_F
ALDH16A1	0.00676	0.3184	0.702	0.63	1	HC_vs_MS.Trt_F
ITPK1	0.00679	0.31584	0.673	0.55	1	HC_vs_MS.Trt_F
PTEN	0.0068	-1.2151	0.468	0.52	1	HC_vs_MS.Trt_F
DMTF1	0.00682	0.50773	0.595	0.5	1	HC_vs_MS.Trt_F
CPD	0.00683	0.5737	0.743	0.65	1	HC_vs_MS.Trt_F
CES2	0.00687	-0.6997	0.422	0.31	1	HC_vs_MS.Trt_F
FUS	0.00699	0.56266	0.85	0.84	1	HC_vs_MS.Trt_F
TLN1	0.00701	0.35938	0.685	0.57	1	HC_vs_MS.Trt_F
NLE1	0.00703	1.3405	0.321	0.22	1	HC_vs_MS.Trt_F
PI4KB	0.00707	0.54932	0.251	0.16	1	HC_vs_MS.Trt_F
EGR3	0.00709	0.74133	0.28	0.19	1	HC_vs_MS.Trt_F
C2orf42	0.00713	0.40851	0.182	0.1	1	HC_vs_MS.Trt_F
PML	0.00714	0.2782	0.728	0.6	1	HC_vs_MS.Trt_F
ZNF253	0.00717	-0.5257	0.754	0.83	1	HC_vs_MS.Trt_F
MCAM	0.00718	1.47166	0.598	0.47	1	HC_vs_MS.Trt_F



PPIL3	0.0072	-0.3479	0.841	0.73	1	HC_vs_MS.Trt_F
LDHA	0.00721	0.53646	0.754	0.66	1	HC_vs_MS.Trt_F
KDM4B	0.00726	0.75969	0.697	0.59	1	HC_vs_MS.Trt_F
PUS7L	0.00728	0.46053	0.91	0.87	1	HC_vs_MS.Trt_F
IL7R	0.00732	0.25139	0.905	0.9	1	HC_vs_MS.Trt_F
PRR3	0.00733	0.52409	0.855	0.78	1	HC_vs_MS.Trt_F
SKP2	0.00736	-0.4024	0.616	0.49	1	HC_vs_MS.Trt_F
CCDC80	0.00737	0.89157	0.783	0.7	1	HC_vs_MS.Trt_F
ZCCHC2	0.00738	2.52059	0.139	0.07	1	HC_vs_MS.Trt_F
CD300LG	0.00741	0.47296	0.523	0.44	1	HC_vs_MS.Trt_F
FPGS	0.00747	0.31698	0.234	0.14	1	HC_vs_MS.Trt_F
ZNF831	0.00747	0.33942	0.324	0.22	1	HC_vs_MS.Trt_F
RBM14	0.00751	0.28358	0.251	0.16	1	HC_vs_MS.Trt_F
MATK	0.00753	-0.2891	0.662	0.56	1	HC_vs_MS.Trt_F
NEMP1	0.00754	1.34488	0.147	0.08	1	HC_vs_MS.Trt_F
ARHGEF39	0.00754	0.84324	0.737	0.62	1	HC_vs_MS.Trt_F
KCTD7	0.00755	0.49635	0.303	0.21	1	HC_vs_MS.Trt_F
LMAN2L	0.00759	0.5613	0.107	0.05	1	HC_vs_MS.Trt_F
TBCK	0.00759	0.60729	0.679	0.62	1	HC_vs_MS.Trt_F
INIP	0.0076	-0.4375	0.757	0.6	1	HC_vs_MS.Trt_F
RUNDC3A	0.00761	0.46662	0.564	0.47	1	HC_vs_MS.Trt_F
EIF4G2	0.00761	-0.4994	0.552	0.6	1	HC_vs_MS.Trt_F
ARL13B	0.00762	0.62386	0.251	0.16	1	HC_vs_MS.Trt_F
TARBP1	0.00763	1.5107	0.477	0.37	1	HC_vs_MS.Trt_F
MADD	0.00765	0.7939	0.283	0.19	1	HC_vs_MS.Trt_F
AMZ2	0.0077	0.43999	0.656	0.53	1	HC_vs_MS.Trt_F
PTK2B	0.00773	0.51707	0.491	0.38	1	HC_vs_MS.Trt_F
IQSEC1	0.00775	0.68363	0.286	0.19	1	HC_vs_MS.Trt_F
KLF2	0.0078	0.2764	0.26	0.17	1	HC_vs_MS.Trt_F
KRR1	0.00784	0.59108	0.717	0.64	1	HC_vs_MS.Trt_F
CEP19	0.00785	-0.5465	0.708	0.63	1	HC_vs_MS.Trt_F
DXO	0.00786	0.56034	0.171	0.1	1	HC_vs_MS.Trt_F
ADRB2	0.00794	-0.4667	0.309	0.21	1	HC_vs_MS.Trt_F
CTTNBP2NL	0.00795	0.5404	0.503	0.39	1	HC_vs_MS.Trt_F
BCAS4	0.00797	0.30072	0.968	0.94	1	HC_vs_MS.Trt_F
RUNX3	0.00797	0.29852	0.269	0.18	1	HC_vs_MS.Trt_F
CEP350	0.00799	0.43458	0.405	0.3	1	HC_vs_MS.Trt_F
PLA2G2C	0.00801	0.37046	0.581	0.49	1	HC_vs_MS.Trt_F
CLEC17A	0.00802	0.62821	0.312	0.22	1	HC_vs_MS.Trt_F
C2orf91	0.00803	0.4594	0.512	0.4	1	HC_vs_MS.Trt_F

RUFY1	0.00809	0.99044	0.35	0.25	1	HC_vs_MS.Trt_F
SFSWAP	0.0081	0.27976	0.61	0.52	1	HC_vs_MS.Trt_F
PLEKHA3	0.0082	0.39446	0.835	0.76	1	HC_vs_MS.Trt_F
ZFP36L2	0.00822	0.35028	0.595	0.49	1	HC_vs_MS.Trt_F
HDAC4	0.00826	0.2707	0.601	0.53	1	HC_vs_MS.Trt_F
DNAH1	0.0083	0.82132	0.211	0.13	1	HC_vs_MS.Trt_F
NBPF3	0.00832	0.34726	0.488	0.4	1	HC_vs_MS.Trt_F
PZP	0.00834	0.82067	0.15	0.08	1	HC_vs_MS.Trt_F
EP300	0.00838	0.40716	0.78	0.66	1	HC_vs_MS.Trt_F
EYS	0.0084	0.41486	0.801	0.75	1	HC_vs_MS.Trt_F
PSMD7	0.00841	0.33873	0.37	0.27	1	HC_vs_MS.Trt_F
IFIT1	0.00842	1.37184	0.312	0.21	1	HC_vs_MS.Trt_F
CLIP4	0.00843	1.15549	0.162	0.09	1	HC_vs_MS.Trt_F
STRN3	0.00846	-0.6539	0.815	0.83	1	HC_vs_MS.Trt_F
GSTZ1	0.00848	0.61719	0.595	0.48	1	HC_vs_MS.Trt_F
CST3	0.00849	1.58054	0.153	0.09	1	HC_vs_MS.Trt_F
CCDC141	0.0085	0.55311	0.702	0.65	1	HC_vs_MS.Trt_F
MECR	0.00858	0.45981	0.405	0.28	1	HC_vs_MS.Trt_F
ZNF396	0.00858	0.29632	0.896	0.82	1	HC_vs_MS.Trt_F
MMRN2	0.00858	0.70475	0.249	0.16	1	HC_vs_MS.Trt_F
SEC14L6	0.0086	0.43149	0.798	0.7	1	HC_vs_MS.Trt_F
ATAD5	0.00862	0.86507	0.618	0.5	1	HC_vs_MS.Trt_F
PSMC1	0.00865	0.28733	0.454	0.34	1	HC_vs_MS.Trt_F
CLK2	0.00872	0.86597	0.202	0.12	1	HC_vs_MS.Trt_F
GNAQ	0.00877	0.60639	0.257	0.17	1	HC_vs_MS.Trt_F
MAP4K5	0.00879	0.70535	0.601	0.48	1	HC_vs_MS.Trt_F
MTHFD1	0.0088	0.41207	0.896	0.87	1	HC_vs_MS.Trt_F
CALCRL	0.00882	0.36383	0.737	0.67	1	HC_vs_MS.Trt_F
ZNF674	0.00882	0.55117	0.948	0.9	1	HC_vs_MS.Trt_F
OBSCN	0.00882	0.47208	0.269	0.18	1	HC_vs_MS.Trt_F
CCNL1	0.00884	0.38859	0.445	0.34	1	HC_vs_MS.Trt_F
COL6A1	0.00884	2.02508	0.107	0.05	1	HC_vs_MS.Trt_F
CDC42	0.00889	-0.4989	0.905	0.91	1	HC_vs_MS.Trt_F
FAM46C	0.00889	0.433	0.41	0.31	1	HC_vs_MS.Trt_F
MAFF	0.00892	0.48373	0.723	0.62	1	HC_vs_MS.Trt_F
RGPD2	0.00897	0.43391	0.243	0.16	1	HC_vs_MS.Trt_F
ZNF799	0.00898	-0.9024	0.471	0.37	1	HC_vs_MS.Trt_F
SMIM12	0.00899	0.39071	0.818	0.74	1	HC_vs_MS.Trt_F
SLC41A1	0.00901	0.84951	0.179	0.1	1	HC_vs_MS.Trt_F
SAMD9	0.00902	0.41249	0.234	0.15	1	HC_vs_MS.Trt_F

PPP2R2A	0.00906	1.24298	0.208	0.13	1	HC_vs_MS.Trt_F
RBM6	0.00906	-0.5176	0.858	0.87	1	HC_vs_MS.Trt_F
TKFC	0.00909	0.29874	0.639	0.53	1	HC_vs_MS.Trt_F
GOLM1	0.00909	1.06331	0.642	0.52	1	HC_vs_MS.Trt_F
THG1L	0.00911	-0.8707	0.621	0.54	1	HC_vs_MS.Trt_F
NME3	0.00922	0.46598	0.185	0.11	1	HC_vs_MS.Trt_F
TUBG2	0.00923	0.49081	0.147	0.08	1	HC_vs_MS.Trt_F
FAM114A1	0.00927	0.49917	0.618	0.51	1	HC_vs_MS.Trt_F
PREX1	0.00933	0.4864	0.613	0.52	1	HC_vs_MS.Trt_F
POLR3E	0.00937	0.28847	0.474	0.4	1	HC_vs_MS.Trt_F
CBS	0.00941	-0.4136	0.162	0.24	1	HC_vs_MS.Trt_F
ZEB1	0.00942	0.53391	0.624	0.5	1	HC_vs_MS.Trt_F
S1PR4	0.00943	0.46752	0.231	0.15	1	HC_vs_MS.Trt_F
PLEKHM3	0.00947	0.75233	0.584	0.48	1	HC_vs_MS.Trt_F
G6PC2	0.00947	0.32006	0.379	0.28	1	HC_vs_MS.Trt_F
TUT1	0.00948	-0.5564	0.191	0.11	1	HC_vs_MS.Trt_F
TNFRSF18	0.0095	0.6208	0.289	0.2	1	HC_vs_MS.Trt_F
KCNC2	0.00958	0.37498	0.442	0.35	1	HC_vs_MS.Trt_F
MCL1	0.00965	0.38764	0.462	0.35	1	HC_vs_MS.Trt_F
HYPK	0.00965	0.58727	0.922	0.9	1	HC_vs_MS.Trt_F
TLCD2	0.00967	0.37261	0.948	0.93	1	HC_vs_MS.Trt_F
PARVB	0.00975	0.55089	0.749	0.69	1	HC_vs_MS.Trt_F
CNBD2	0.00976	0.45511	0.543	0.44	1	HC_vs_MS.Trt_F
GADL1	0.0098	0.27778	0.731	0.66	1	HC_vs_MS.Trt_F
AFF1	0.00981	0.41844	0.39	0.28	1	HC_vs_MS.Trt_F
IL1R1	0.00983	-0.4334	0.422	0.32	1	HC_vs_MS.Trt_F
VKORC1	0.00986	0.27077	0.214	0.13	1	HC_vs_MS.Trt_F
SCAMP3	0.00989	0.658	0.251	0.17	1	HC_vs_MS.Trt_F
SPICE1	0.00991	0.92539	0.324	0.23	1	HC_vs_MS.Trt_F
TRIM44	0.00996	-0.2641	0.387	0.28	1	HC_vs_MS.Trt_F
UBE4B	0.00996	0.9159	0.659	0.55	1	HC_vs_MS.Trt_F
SMAD1	0.00996	-0.8336	0.442	0.33	1	HC_vs_MS.Trt_F
GPM6A	0.00998	0.74884	0.355	0.26	1	HC_vs_MS.Trt_F
CASP9	0.01002	0.54708	0.471	0.37	1	HC_vs_MS.Trt_F
WWOX	0.01003	0.29257	0.286	0.19	1	HC_vs_MS.Trt_F
COL4A2	0.01004	0.89625	0.121	0.06	1	HC_vs_MS.Trt_F
RABL3	0.01004	-0.4596	0.607	0.67	1	HC_vs_MS.Trt_F
CCSER2	0.01005	-0.3245	0.578	0.44	1	HC_vs_MS.Trt_F
DHRS12	0.01009	0.75824	0.162	0.09	1	HC_vs_MS.Trt_F
TMEM239	0.01012	0.34419	0.382	0.3	1	HC_vs_MS.Trt_F

SNX27	0.01014	-0.4646	0.803	0.68	1	HC_vs_MS.Trt_F
PLGLB1	0.01019	0.75785	0.185	0.11	1	HC_vs_MS.Trt_F
RBMS1	0.01022	0.32505	0.731	0.61	1	HC_vs_MS.Trt_F
FSD1L	0.01022	0.8944	0.28	0.19	1	HC_vs_MS.Trt_F
POLR3D	0.01024	1.38467	0.445	0.35	1	HC_vs_MS.Trt_F
HIPK1	0.01024	0.85672	0.263	0.18	1	HC_vs_MS.Trt_F
TECRL	0.01037	0.40882	0.286	0.2	1	HC_vs_MS.Trt_F
CARD19	0.0104	0.73998	0.37	0.28	1	HC_vs_MS.Trt_F
TBXA2R	0.01041	0.29534	0.746	0.67	1	HC_vs_MS.Trt_F
CACNB3	0.01042	0.43822	0.633	0.51	1	HC_vs_MS.Trt_F
TPCN1	0.01045	0.31478	0.428	0.34	1	HC_vs_MS.Trt_F
RAB13	0.01049	0.28736	0.572	0.46	1	HC_vs_MS.Trt_F
ERICH3	0.0105	1.51711	0.118	0.06	1	HC_vs_MS.Trt_F
NT5C	0.01051	0.81042	0.205	0.13	1	HC_vs_MS.Trt_F
TCERG1	0.01057	0.36834	0.341	0.25	1	HC_vs_MS.Trt_F
KLC1	0.01057	0.42857	0.682	0.6	1	HC_vs_MS.Trt_F
ELP2	0.01058	0.29785	0.688	0.57	1	HC_vs_MS.Trt_F
GALNT2	0.01063	-0.3434	0.286	0.19	1	HC_vs_MS.Trt_F
CEP41	0.01068	0.34946	0.87	0.78	1	HC_vs_MS.Trt_F
MAP7D1	0.01068	0.66336	0.59	0.46	1	HC_vs_MS.Trt_F
MBD5	0.0107	0.69901	0.87	0.84	1	HC_vs_MS.Trt_F
DOT1L	0.01074	0.77819	0.818	0.75	1	HC_vs_MS.Trt_F
ZWILCH	0.01077	-0.9158	0.694	0.59	1	HC_vs_MS.Trt_F
TSC22D3	0.01081	0.31023	0.754	0.68	1	HC_vs_MS.Trt_F
ULBP3	0.01081	-0.4989	0.647	0.54	1	HC_vs_MS.Trt_F
SMYD3	0.01088	0.35681	0.234	0.15	1	HC_vs_MS.Trt_F
TTC5	0.01089	0.45512	0.624	0.51	1	HC_vs_MS.Trt_F
C11orf24	0.01096	1.03574	0.275	0.19	1	HC_vs_MS.Trt_F
MYO1G	0.01102	0.34744	0.653	0.58	1	HC_vs_MS.Trt_F
CYCS	0.01107	0.45627	0.801	0.74	1	HC_vs_MS.Trt_F
WDR74	0.01107	0.40976	0.653	0.53	1	HC_vs_MS.Trt_F
C1orf123	0.01112	0.30853	0.22	0.14	1	HC_vs_MS.Trt_F
RBM18	0.01125	-0.5644	0.393	0.28	1	HC_vs_MS.Trt_F
IGF2BP3	0.01126	0.34449	0.613	0.53	1	HC_vs_MS.Trt_F
RGPD4	0.01132	0.62508	0.217	0.14	1	HC_vs_MS.Trt_F
ZNF724	0.01133	0.47572	0.925	0.86	1	HC_vs_MS.Trt_F
MET	0.01136	-0.3999	0.332	0.4	1	HC_vs_MS.Trt_F
DMPK	0.01139	0.61196	0.668	0.57	1	HC_vs_MS.Trt_F
RNGTT	0.0114	0.63659	0.439	0.34	1	HC_vs_MS.Trt_F
LYST	0.01144	0.62953	0.422	0.31	1	HC_vs_MS.Trt_F

NCAPG2	0.01152	-1.5356	0.202	0.27	1	HC_vs_MS.Trt_F
UTP18	0.01152	0.64715	0.202	0.13	1	HC_vs_MS.Trt_F
ELMO1	0.01155	0.38039	0.841	0.79	1	HC_vs_MS.Trt_F
SEL1L	0.01156	0.48206	0.254	0.17	1	HC_vs_MS.Trt_F
BMP1	0.01158	0.59483	0.639	0.54	1	HC_vs_MS.Trt_F
TNKS2	0.01162	0.41012	0.347	0.26	1	HC_vs_MS.Trt_F
CDC37	0.01162	0.36832	0.465	0.36	1	HC_vs_MS.Trt_F
AKAP11	0.01169	0.55954	0.286	0.19	1	HC_vs_MS.Trt_F
AC012314.1	0.01171	-0.3221	0.676	0.69	1	HC_vs_MS.Trt_F
AC012314.1	0.01171	-0.3221	0.676	0.69	1	HC_vs_MS.Trt_F
AC012314.1	0.01171	-0.3221	0.676	0.69	1	HC_vs_MS.Trt_F
AC012314.2	0.01171	-0.3221	0.676	0.69	1	HC_vs_MS.Trt_F
AC012314.4	0.01171	-0.3221	0.676	0.69	1	HC_vs_MS.Trt_F
AC012314.5	0.01171	-0.3221	0.676	0.69	1	HC_vs_MS.Trt_F
POLE4	0.01178	0.7483	0.188	0.11	1	HC_vs_MS.Trt_F
R3HDM2	0.0118	-0.5129	0.772	0.76	1	HC_vs_MS.Trt_F
DNASE1L3	0.0118	0.38646	0.462	0.34	1	HC_vs_MS.Trt_F
CRISPLD2	0.01186	0.39619	0.809	0.77	1	HC_vs_MS.Trt_F
HNRNPU	0.01197	-0.4927	0.506	0.57	1	HC_vs_MS.Trt_F
TMPRSS13	0.01203	-0.8996	0.243	0.16	1	HC_vs_MS.Trt_F
ASAP1	0.01204	1.31313	0.257	0.18	1	HC_vs_MS.Trt_F
MNAT1	0.01207	0.86474	0.156	0.09	1	HC_vs_MS.Trt_F
LIG1	0.01216	0.70579	0.194	0.12	1	HC_vs_MS.Trt_F
PAK3	0.01219	0.44804	0.543	0.42	1	HC_vs_MS.Trt_F
FAM131A	0.01236	-0.4738	0.882	0.8	1	HC_vs_MS.Trt_F
NSUN4	0.01252	0.41502	0.806	0.73	1	HC_vs_MS.Trt_F
RNPC3	0.01256	0.35153	0.405	0.3	1	HC_vs_MS.Trt_F
ECE1	0.01257	0.33114	0.763	0.68	1	HC_vs_MS.Trt_F
HCFC1	0.01258	0.44277	0.341	0.25	1	HC_vs_MS.Trt_F
SULT2B1	0.01264	0.27496	0.569	0.46	1	HC_vs_MS.Trt_F
LMF2	0.01265	0.5996	0.303	0.22	1	HC_vs_MS.Trt_F
FADS6	0.01282	0.28071	0.639	0.53	1	HC_vs_MS.Trt_F
PHC3	0.01289	0.31376	0.968	0.97	1	HC_vs_MS.Trt_F
ARHGAP11B	0.01291	0.25832	0.289	0.2	1	HC_vs_MS.Trt_F
BMP8B	0.01293	0.29052	0.514	0.4	1	HC_vs_MS.Trt_F
EPG5	0.01301	0.56915	0.564	0.45	1	HC_vs_MS.Trt_F
ZNF395	0.01303	0.61651	0.592	0.53	1	HC_vs_MS.Trt_F
RPL35A	0.01307	-0.357	0.829	0.84	1	HC_vs_MS.Trt_F
FXR2	0.0131	0.47254	0.714	0.63	1	HC_vs_MS.Trt_F
SLC25A34	0.01311	-0.5611	0.668	0.55	1	HC_vs_MS.Trt_F

RP3-461F17	0.01312	0.54795	0.283	0.19	1	HC_vs_MS.Trt_F
TPH1	0.01319	-0.6761	0.564	0.43	1	HC_vs_MS.Trt_F
COL6A3	0.01322	1.64712	0.517	0.4	1	HC_vs_MS.Trt_F
PIGH	0.01327	-0.4207	0.688	0.56	1	HC_vs_MS.Trt_F
SIAH1	0.01329	0.66562	0.275	0.19	1	HC_vs_MS.Trt_F
OFD1	0.0133	0.26845	0.298	0.2	1	HC_vs_MS.Trt_F
CCNYL1	0.01332	-0.7228	0.48	0.35	1	HC_vs_MS.Trt_F
FIS1	0.01336	0.35076	0.367	0.26	1	HC_vs_MS.Trt_F
ZNF343	0.01339	1.11947	0.52	0.43	1	HC_vs_MS.Trt_F
PIM1	0.01339	0.25626	0.457	0.34	1	HC_vs_MS.Trt_F
DCAF17	0.0134	0.30895	0.483	0.38	1	HC_vs_MS.Trt_F
KCNJ6	0.01345	0.53937	0.873	0.83	1	HC_vs_MS.Trt_F
YIF1A	0.01347	0.51843	0.173	0.1	1	HC_vs_MS.Trt_F
FAM45A	0.01351	0.31121	0.754	0.67	1	HC_vs_MS.Trt_F
KCNJ5	0.01352	0.36872	0.673	0.57	1	HC_vs_MS.Trt_F
CUL1	0.01365	0.98644	0.237	0.16	1	HC_vs_MS.Trt_F
FCHO1	0.01369	0.73607	0.818	0.73	1	HC_vs_MS.Trt_F
CYP2C19	0.01374	0.40836	0.769	0.7	1	HC_vs_MS.Trt_F
NFKBIZ	0.01376	0.88589	0.445	0.36	1	HC_vs_MS.Trt_F
RIPK1	0.01381	0.97254	0.237	0.16	1	HC_vs_MS.Trt_F
LMTK2	0.01389	0.25881	0.303	0.22	1	HC_vs_MS.Trt_F
DMD	0.01394	0.30438	0.728	0.63	1	HC_vs_MS.Trt_F
SLBP	0.01397	0.2733	0.243	0.16	1	HC_vs_MS.Trt_F
VPS25	0.01397	0.80787	0.338	0.25	1	HC_vs_MS.Trt_F
ZC3H10	0.014	0.37529	0.613	0.51	1	HC_vs_MS.Trt_F
USP38	0.01401	0.25753	0.384	0.29	1	HC_vs_MS.Trt_F
PTPN3	0.01418	0.27175	0.835	0.74	1	HC_vs_MS.Trt_F
KLF11	0.01419	1.06951	0.107	0.05	1	HC_vs_MS.Trt_F
GBP2	0.01424	0.27705	0.46	0.36	1	HC_vs_MS.Trt_F
CAPS	0.01432	0.2638	0.971	0.95	1	HC_vs_MS.Trt_F
CRY1	0.01448	0.49777	0.208	0.13	1	HC_vs_MS.Trt_F
DUSP16	0.01449	-0.4702	0.329	0.23	1	HC_vs_MS.Trt_F
UQCC1	0.01457	0.48134	0.595	0.5	1	HC_vs_MS.Trt_F
DYNLT3	0.01459	0.67448	0.691	0.62	1	HC_vs_MS.Trt_F
TP53I13	0.01462	0.65	0.179	0.11	1	HC_vs_MS.Trt_F
ERAL1	0.01466	0.80326	0.153	0.09	1	HC_vs_MS.Trt_F
CFHR1	0.01468	0.34882	0.786	0.71	1	HC_vs_MS.Trt_F
PBX2	0.01475	0.82427	0.173	0.11	1	HC_vs_MS.Trt_F
ARHGDI1	0.01476	1.09511	0.416	0.34	1	HC_vs_MS.Trt_F
WTAP	0.01483	-0.2821	0.621	0.65	1	HC_vs_MS.Trt_F

GPAM	0.01483	0.61129	0.113	0.06	1	HC_vs_MS.Trt_F
CPPED1	0.01488	0.54076	0.65	0.58	1	HC_vs_MS.Trt_F
DST	0.01489	0.39267	0.757	0.67	1	HC_vs_MS.Trt_F
CARMIL1	0.0149	0.54195	0.361	0.26	1	HC_vs_MS.Trt_F
MAP4K1	0.01492	0.36523	0.91	0.88	1	HC_vs_MS.Trt_F
KIAA0930	0.01507	1.05584	0.691	0.61	1	HC_vs_MS.Trt_F
VPS37B	0.0151	1.17041	0.694	0.62	1	HC_vs_MS.Trt_F
PROSER3	0.01513	0.68197	0.916	0.84	1	HC_vs_MS.Trt_F
GPCPD1	0.01514	0.33864	0.445	0.36	1	HC_vs_MS.Trt_F
LSR	0.01519	1.52591	0.237	0.17	1	HC_vs_MS.Trt_F
LAT2	0.01525	0.70502	0.876	0.81	1	HC_vs_MS.Trt_F
ERC1	0.0153	0.3081	0.931	0.89	1	HC_vs_MS.Trt_F
RAN	0.01535	0.36104	0.468	0.37	1	HC_vs_MS.Trt_F
RANBP3	0.01538	0.31264	0.838	0.76	1	HC_vs_MS.Trt_F
SIRT5	0.01545	0.45472	0.879	0.79	1	HC_vs_MS.Trt_F
TRAM2	0.01548	0.37755	0.309	0.22	1	HC_vs_MS.Trt_F
TRIP11	0.01565	0.31229	0.613	0.51	1	HC_vs_MS.Trt_F
KLRG1	0.0157	0.50403	0.465	0.37	1	HC_vs_MS.Trt_F
DENND4C	0.01577	0.77506	0.442	0.34	1	HC_vs_MS.Trt_F
CTSL	0.01579	-1.1868	0.078	0.14	1	HC_vs_MS.Trt_F
ANKRD36B	0.01586	-0.2641	0.743	0.64	1	HC_vs_MS.Trt_F
USP37	0.01591	0.53538	0.535	0.44	1	HC_vs_MS.Trt_F
NUP210	0.01593	0.42031	0.578	0.5	1	HC_vs_MS.Trt_F
TBC1D15	0.01601	0.79655	0.592	0.51	1	HC_vs_MS.Trt_F
RABGAP1	0.01606	0.60266	0.468	0.36	1	HC_vs_MS.Trt_F
ARPC4	0.01607	-0.4879	0.645	0.68	1	HC_vs_MS.Trt_F
GRSF1	0.01608	-0.2528	0.76	0.68	1	HC_vs_MS.Trt_F
ZNF106	0.01624	0.31351	0.905	0.85	1	HC_vs_MS.Trt_F
ZNF592	0.0163	0.55131	0.246	0.16	1	HC_vs_MS.Trt_F
EML6	0.01633	0.603	0.665	0.61	1	HC_vs_MS.Trt_F
RABGGTB	0.01639	0.85655	0.373	0.28	1	HC_vs_MS.Trt_F
KPNA2	0.0164	0.44733	0.168	0.1	1	HC_vs_MS.Trt_F
RP11-176H8	0.01641	0.77488	0.887	0.83	1	HC_vs_MS.Trt_F
MTMR6	0.01647	1.27962	0.171	0.1	1	HC_vs_MS.Trt_F
WBP2	0.01648	0.37105	0.723	0.6	1	HC_vs_MS.Trt_F
RAB2B	0.01654	0.26746	0.74	0.64	1	HC_vs_MS.Trt_F
UGCG	0.01655	0.36938	0.286	0.2	1	HC_vs_MS.Trt_F
MSL2	0.01656	0.381	0.22	0.14	1	HC_vs_MS.Trt_F
TGIF1	0.01657	0.37577	0.315	0.23	1	HC_vs_MS.Trt_F
ICOSLG	0.01663	0.6253	0.803	0.71	1	HC_vs_MS.Trt_F

SMC6	0.01665	0.83676	0.54	0.44	1	HC_vs_MS.Trt_F
RLIM	0.01666	0.70635	0.772	0.66	1	HC_vs_MS.Trt_F
CTLA4	0.01673	0.37451	0.321	0.23	1	HC_vs_MS.Trt_F
NAV1	0.01677	0.31694	0.908	0.87	1	HC_vs_MS.Trt_F
WDFY2	0.01678	0.58202	0.645	0.55	1	HC_vs_MS.Trt_F
UBE2B	0.01679	-0.2752	0.757	0.68	1	HC_vs_MS.Trt_F
CCR4	0.01682	-0.5934	0.922	0.91	1	HC_vs_MS.Trt_F
TMEM219	0.0169	0.38729	0.327	0.24	1	HC_vs_MS.Trt_F
ABR	0.01694	0.46339	0.789	0.75	1	HC_vs_MS.Trt_F
GIN53	0.01702	0.26922	0.89	0.84	1	HC_vs_MS.Trt_F
PPP4R3B	0.0171	0.43515	0.497	0.4	1	HC_vs_MS.Trt_F
GALNT15	0.01713	-0.2727	0.37	0.28	1	HC_vs_MS.Trt_F
ACSS1	0.01714	0.83491	0.627	0.57	1	HC_vs_MS.Trt_F
RIC1	0.0172	0.48811	0.202	0.13	1	HC_vs_MS.Trt_F
ZNF726	0.0172	0.48174	0.902	0.86	1	HC_vs_MS.Trt_F
PHPT1	0.01723	-0.4228	0.228	0.14	1	HC_vs_MS.Trt_F
NOX5	0.01724	0.38539	0.592	0.51	1	HC_vs_MS.Trt_F
C4BPB	0.01725	0.32899	0.85	0.81	1	HC_vs_MS.Trt_F
ZNF345	0.01726	0.78287	0.85	0.8	1	HC_vs_MS.Trt_F
OAS3	0.01733	0.65319	0.665	0.55	1	HC_vs_MS.Trt_F
GINM1	0.01735	0.41825	0.598	0.54	1	HC_vs_MS.Trt_F
FDFT1	0.01737	0.32183	0.364	0.28	1	HC_vs_MS.Trt_F
UVSSA	0.01738	0.75261	0.824	0.74	1	HC_vs_MS.Trt_F
ABCA2	0.01743	0.84527	0.341	0.25	1	HC_vs_MS.Trt_F
MAPK14	0.01745	0.5858	0.205	0.13	1	HC_vs_MS.Trt_F
ZNF778	0.01746	0.37347	0.705	0.64	1	HC_vs_MS.Trt_F
SMNDC1	0.01747	0.89739	0.197	0.13	1	HC_vs_MS.Trt_F
FASTKD5	0.0175	-0.7266	0.159	0.09	1	HC_vs_MS.Trt_F
MR1	0.01751	0.51111	0.936	0.9	1	HC_vs_MS.Trt_F
NREP	0.01752	0.6366	0.205	0.14	1	HC_vs_MS.Trt_F
ACAD10	0.01752	-0.8256	0.506	0.38	1	HC_vs_MS.Trt_F
CDKN1B	0.01752	0.46921	0.355	0.27	1	HC_vs_MS.Trt_F
RP4-635E18	0.01754	-1.3274	0.173	0.23	1	HC_vs_MS.Trt_F
TAF1	0.01757	-0.393	0.815	0.75	1	HC_vs_MS.Trt_F
RPS4Y1	0.0176	2.41091	0.136	0.08	1	HC_vs_MS.Trt_F
MCM6	0.01762	0.89773	0.173	0.11	1	HC_vs_MS.Trt_F
SOCS3	0.01764	0.32559	0.214	0.14	1	HC_vs_MS.Trt_F
HOXB2	0.0177	0.33304	0.182	0.11	1	HC_vs_MS.Trt_F
GMDS	0.01774	0.43209	0.194	0.12	1	HC_vs_MS.Trt_F
DENND5B	0.01777	0.50897	0.642	0.53	1	HC_vs_MS.Trt_F



TMED4	0.01781	-0.6157	0.951	0.95	1	HC_vs_MS.Trt_F
CYP2C9	0.01794	0.28813	0.581	0.49	1	HC_vs_MS.Trt_F
ENAH	0.018	0.55282	0.723	0.62	1	HC_vs_MS.Trt_F
CCR5	0.01804	0.99104	0.147	0.09	1	HC_vs_MS.Trt_F
RAPGEF6	0.01806	0.5173	0.546	0.44	1	HC_vs_MS.Trt_F
HAX1	0.0182	0.28787	0.269	0.18	1	HC_vs_MS.Trt_F
TAF11	0.01826	-0.2884	0.561	0.45	1	HC_vs_MS.Trt_F
DHFR2	0.01826	-0.4431	0.691	0.6	1	HC_vs_MS.Trt_F
ADAM15	0.0183	-0.3149	0.465	0.37	1	HC_vs_MS.Trt_F
STK11	0.01831	0.60877	0.471	0.38	1	HC_vs_MS.Trt_F
ATF2	0.01837	1.06959	0.251	0.18	1	HC_vs_MS.Trt_F
BTG2	0.01838	0.2907	0.321	0.23	1	HC_vs_MS.Trt_F
AKR1B1	0.0184	-0.2952	0.803	0.69	1	HC_vs_MS.Trt_F
USP33	0.01845	-0.4959	0.965	0.87	1	HC_vs_MS.Trt_F
MRPL16	0.01849	0.36517	0.211	0.14	1	HC_vs_MS.Trt_F
ZNF879	0.01855	0.62946	0.367	0.27	1	HC_vs_MS.Trt_F
SCN1A	0.0186	0.39121	0.451	0.34	1	HC_vs_MS.Trt_F
NMNAT1	0.01863	0.33503	0.986	0.99	1	HC_vs_MS.Trt_F
TGFB1	0.01867	0.79412	0.393	0.3	1	HC_vs_MS.Trt_F
CS	0.0187	0.25062	0.864	0.78	1	HC_vs_MS.Trt_F
PPCS	0.01875	-0.3289	0.367	0.26	1	HC_vs_MS.Trt_F
ZFYVE28	0.01886	0.92065	0.231	0.16	1	HC_vs_MS.Trt_F
ENOSF1	0.0189	0.72851	0.879	0.81	1	HC_vs_MS.Trt_F
UTRN	0.01893	0.29754	0.52	0.42	1	HC_vs_MS.Trt_F
CIART	0.01902	0.54657	0.558	0.48	1	HC_vs_MS.Trt_F
LRFN1	0.01907	0.38814	0.173	0.11	1	HC_vs_MS.Trt_F
TNXB	0.01909	1.39763	0.168	0.1	1	HC_vs_MS.Trt_F
SLC25A33	0.01912	0.54361	0.656	0.54	1	HC_vs_MS.Trt_F
GABRE	0.01919	0.39888	0.199	0.13	1	HC_vs_MS.Trt_F
KCNJ15	0.01924	0.42372	0.705	0.6	1	HC_vs_MS.Trt_F
ZFAND3	0.01928	0.65588	0.734	0.63	1	HC_vs_MS.Trt_F
NMT1	0.01932	-0.3632	0.367	0.26	1	HC_vs_MS.Trt_F
CNOT1	0.01932	0.58433	0.835	0.75	1	HC_vs_MS.Trt_F
ZCCHC14	0.01933	1.83092	0.139	0.08	1	HC_vs_MS.Trt_F
INSR	0.01942	0.478	0.517	0.44	1	HC_vs_MS.Trt_F
TMEM98	0.01945	0.52402	0.61	0.51	1	HC_vs_MS.Trt_F
IKBKAP	0.01948	0.46607	0.338	0.26	1	HC_vs_MS.Trt_F
KIAA1324L	0.01949	0.6534	0.104	0.05	1	HC_vs_MS.Trt_F
CLEC16A	0.01952	0.40484	0.694	0.62	1	HC_vs_MS.Trt_F
ZKSCAN3	0.01958	-0.4922	0.896	0.84	1	HC_vs_MS.Trt_F

FOXM1	0.01967	0.35834	0.809	0.72	1	HC_vs_MS.Trt_F
CNTNAP3B	0.01975	0.25345	0.893	0.84	1	HC_vs_MS.Trt_F
PLIN2	0.01986	0.32437	0.697	0.6	1	HC_vs_MS.Trt_F
ZBTB3	0.01994	0.40567	0.85	0.78	1	HC_vs_MS.Trt_F
CCNT1	0.01995	0.41313	0.249	0.17	1	HC_vs_MS.Trt_F
GALNT6	0.01996	0.72506	0.78	0.66	1	HC_vs_MS.Trt_F
WDR91	0.01999	-0.3398	0.535	0.43	1	HC_vs_MS.Trt_F
CFAP36	0.01999	0.60004	0.486	0.39	1	HC_vs_MS.Trt_F
NSUN3	0.02009	-0.4237	0.89	0.81	1	HC_vs_MS.Trt_F
FAM120B	0.02011	0.28192	0.364	0.27	1	HC_vs_MS.Trt_F
ZNF385A	0.02018	0.26673	0.717	0.64	1	HC_vs_MS.Trt_F
TBC1D32	0.0202	0.50696	0.564	0.46	1	HC_vs_MS.Trt_F
FAS	0.02027	0.38992	0.442	0.34	1	HC_vs_MS.Trt_F
MGAT5	0.02027	0.49941	0.214	0.14	1	HC_vs_MS.Trt_F
MPP7	0.0203	1.63801	0.347	0.27	1	HC_vs_MS.Trt_F
FRMD4B	0.02033	1.20942	0.934	0.96	1	HC_vs_MS.Trt_F
PLAG1	0.02035	-0.8252	0.46	0.37	1	HC_vs_MS.Trt_F
MED6	0.02045	0.53381	0.601	0.5	1	HC_vs_MS.Trt_F
TEX9	0.02048	0.25011	0.841	0.75	1	HC_vs_MS.Trt_F
MFSD11	0.02056	0.42954	0.497	0.42	1	HC_vs_MS.Trt_F
PMAIP1	0.02056	0.32783	0.263	0.18	1	HC_vs_MS.Trt_F
AP4B1	0.02058	-0.2652	0.682	0.6	1	HC_vs_MS.Trt_F
HEPACAM	0.02063	-0.261	0.376	0.3	1	HC_vs_MS.Trt_F
EAF1	0.02063	-0.4749	0.448	0.33	1	HC_vs_MS.Trt_F
SYBU	0.02073	1.18898	0.113	0.06	1	HC_vs_MS.Trt_F
PDE4A	0.02087	0.89638	0.176	0.12	1	HC_vs_MS.Trt_F
SLC5A5	0.02095	0.577	0.517	0.43	1	HC_vs_MS.Trt_F
TSSC4	0.02103	-0.6432	0.127	0.19	1	HC_vs_MS.Trt_F
POLR3GL	0.02114	0.42394	0.243	0.17	1	HC_vs_MS.Trt_F
USP11	0.02116	0.7068	0.266	0.19	1	HC_vs_MS.Trt_F
CDKN1A	0.02124	0.87596	0.182	0.12	1	HC_vs_MS.Trt_F
COQ7	0.02126	0.32003	0.434	0.34	1	HC_vs_MS.Trt_F
FAM19A2	0.0213	1.4632	0.289	0.21	1	HC_vs_MS.Trt_F
NECAB3	0.0213	-1.435	0.058	0.11	1	HC_vs_MS.Trt_F
AMPD3	0.02135	0.49094	0.436	0.33	1	HC_vs_MS.Trt_F
ZNF805	0.0214	-0.3423	0.832	0.77	1	HC_vs_MS.Trt_F
JAM2	0.02141	0.39439	0.607	0.53	1	HC_vs_MS.Trt_F
ZC3H18	0.02143	0.38749	0.766	0.67	1	HC_vs_MS.Trt_F
STEAP4	0.02143	0.26374	0.743	0.64	1	HC_vs_MS.Trt_F
MACC1	0.0215	0.40686	0.786	0.72	1	HC_vs_MS.Trt_F

MCCC2	0.02157	0.64962	0.734	0.65	1	HC_vs_MS.Trt_F
GLB1L3	0.02164	0.45339	0.763	0.69	1	HC_vs_MS.Trt_F
SCARB1	0.02167	0.80337	0.587	0.48	1	HC_vs_MS.Trt_F
CDKAL1	0.02168	0.63621	0.63	0.53	1	HC_vs_MS.Trt_F
UBQLN2	0.02169	0.36484	0.292	0.21	1	HC_vs_MS.Trt_F
AFMID	0.02172	0.28349	0.957	0.91	1	HC_vs_MS.Trt_F
ITPR2	0.02173	0.81714	0.283	0.21	1	HC_vs_MS.Trt_F
SLC35E2	0.02178	0.4012	0.477	0.39	1	HC_vs_MS.Trt_F
SNX19	0.0219	0.36876	0.269	0.19	1	HC_vs_MS.Trt_F
MAPKAPK3	0.0219	0.67543	0.24	0.17	1	HC_vs_MS.Trt_F
SBK1	0.02191	0.73338	0.246	0.17	1	HC_vs_MS.Trt_F
KLHL20	0.02191	0.37539	0.197	0.13	1	HC_vs_MS.Trt_F
WDR37	0.02196	0.55253	0.231	0.16	1	HC_vs_MS.Trt_F
RNF152	0.02197	0.46976	0.509	0.4	1	HC_vs_MS.Trt_F
DDX27	0.02203	0.25568	0.737	0.64	1	HC_vs_MS.Trt_F
PHF3	0.02203	0.28484	0.494	0.4	1	HC_vs_MS.Trt_F
WDTC1	0.02208	0.47411	0.399	0.29	1	HC_vs_MS.Trt_F
GRHL2	0.02212	0.38545	0.28	0.2	1	HC_vs_MS.Trt_F
HELQ	0.02222	0.86091	0.197	0.13	1	HC_vs_MS.Trt_F
PRR12	0.02224	1.17083	0.133	0.08	1	HC_vs_MS.Trt_F
MYO9B	0.02227	0.90364	0.275	0.2	1	HC_vs_MS.Trt_F
SPATA5	0.02234	0.90012	0.798	0.7	1	HC_vs_MS.Trt_F
TGFB111	0.02239	0.37621	0.332	0.25	1	HC_vs_MS.Trt_F
ADCY4	0.02245	0.42026	0.15	0.09	1	HC_vs_MS.Trt_F
PUS1	0.02247	0.41665	0.85	0.76	1	HC_vs_MS.Trt_F
INO80D	0.02248	0.48154	0.483	0.39	1	HC_vs_MS.Trt_F
SPOCK2	0.0225	0.33433	0.613	0.55	1	HC_vs_MS.Trt_F
PDE5A	0.02255	-0.2854	0.153	0.09	1	HC_vs_MS.Trt_F
CALCOCO1	0.02271	0.25439	0.569	0.48	1	HC_vs_MS.Trt_F
PRPF31	0.02272	0.33586	0.234	0.16	1	HC_vs_MS.Trt_F
BBX	0.02279	0.32945	0.367	0.27	1	HC_vs_MS.Trt_F
FBXO25	0.02288	0.90399	0.454	0.36	1	HC_vs_MS.Trt_F
RANBP6	0.02288	-1.1289	0.168	0.1	1	HC_vs_MS.Trt_F
CHTOP	0.02317	-0.4064	0.671	0.55	1	HC_vs_MS.Trt_F
DPP6	0.02328	-0.4898	0.601	0.51	1	HC_vs_MS.Trt_F
ACADSB	0.02328	-0.6338	0.717	0.61	1	HC_vs_MS.Trt_F
RPL22L1	0.02329	-0.2619	0.332	0.24	1	HC_vs_MS.Trt_F
FCAR	0.02331	0.25289	0.882	0.84	1	HC_vs_MS.Trt_F
EPHX2	0.02334	0.72298	0.353	0.27	1	HC_vs_MS.Trt_F
CXorf40A	0.02344	0.70345	0.188	0.12	1	HC_vs_MS.Trt_F

ZNF318	0.02352	1.25118	0.711	0.61	1	HC_vs_MS.Trt_F
DNAH9	0.02356	-0.3955	0.5	0.57	1	HC_vs_MS.Trt_F
NMD3	0.02361	-0.2998	0.792	0.71	1	HC_vs_MS.Trt_F
SAYS1	0.02367	-0.4352	0.208	0.14	1	HC_vs_MS.Trt_F
GATC	0.02374	0.76366	0.604	0.53	1	HC_vs_MS.Trt_F
ACSF2	0.02379	-0.2783	0.561	0.45	1	HC_vs_MS.Trt_F
CASZ1	0.0238	1.00851	0.341	0.26	1	HC_vs_MS.Trt_F
UHRF1BP1	0.02399	0.34761	0.616	0.52	1	HC_vs_MS.Trt_F
FAM227A	0.02405	0.28771	0.942	0.87	1	HC_vs_MS.Trt_F
C2CD2L	0.02409	0.37677	0.546	0.43	1	HC_vs_MS.Trt_F
BCL2L1	0.02414	0.30671	0.318	0.23	1	HC_vs_MS.Trt_F
ABCA9	0.02417	0.55294	0.882	0.82	1	HC_vs_MS.Trt_F
RCBTB1	0.02419	0.80027	0.168	0.1	1	HC_vs_MS.Trt_F
KCNAB2	0.02432	0.3286	0.477	0.38	1	HC_vs_MS.Trt_F
TMEM209	0.02435	-0.3918	0.818	0.75	1	HC_vs_MS.Trt_F
NBPF19	0.0245	0.71723	0.474	0.38	1	HC_vs_MS.Trt_F
IKZF3	0.02459	0.27837	0.977	0.95	1	HC_vs_MS.Trt_F
TBRG4	0.02464	-0.4538	0.436	0.32	1	HC_vs_MS.Trt_F
KCTD19	0.0248	0.26921	0.783	0.72	1	HC_vs_MS.Trt_F
DIS3L2	0.0248	0.32485	0.569	0.49	1	HC_vs_MS.Trt_F
KIF23	0.02495	0.2742	0.618	0.54	1	HC_vs_MS.Trt_F
SASH1	0.02495	0.26235	0.399	0.31	1	HC_vs_MS.Trt_F
NOS3	0.02511	0.3149	0.445	0.34	1	HC_vs_MS.Trt_F
WAS	0.0252	1.2611	0.332	0.26	1	HC_vs_MS.Trt_F
TXNL4A	0.02522	0.52275	0.572	0.48	1	HC_vs_MS.Trt_F
IFT81	0.02531	0.36316	0.792	0.67	1	HC_vs_MS.Trt_F
CASP8AP2	0.02532	0.44846	0.379	0.29	1	HC_vs_MS.Trt_F
TMEM52B	0.02532	0.25438	0.801	0.72	1	HC_vs_MS.Trt_F
UBE2A	0.02546	-0.301	0.416	0.32	1	HC_vs_MS.Trt_F
DDX1	0.0255	0.28072	0.205	0.13	1	HC_vs_MS.Trt_F
EXOC6B	0.02554	0.82114	0.182	0.12	1	HC_vs_MS.Trt_F
RPUSD3	0.02567	0.36316	0.867	0.77	1	HC_vs_MS.Trt_F
RHBDF2	0.02568	-0.2949	0.939	0.91	1	HC_vs_MS.Trt_F
TMEM41A	0.02568	0.42998	0.858	0.8	1	HC_vs_MS.Trt_F
CADM1	0.02576	-0.7904	0.289	0.35	1	HC_vs_MS.Trt_F
RGS2	0.02581	0.5901	0.202	0.14	1	HC_vs_MS.Trt_F
ITGA5	0.02588	-0.6187	0.168	0.1	1	HC_vs_MS.Trt_F
FAM168A	0.02595	0.33604	0.185	0.12	1	HC_vs_MS.Trt_F
ADAM28	0.02601	-0.7458	0.211	0.14	1	HC_vs_MS.Trt_F
BCAR3	0.02602	0.63855	0.676	0.59	1	HC_vs_MS.Trt_F

UCKL1	0.02604	0.93016	0.188	0.12	1	HC_vs_MS.Trt_F
EXOSC5	0.02614	0.32326	0.142	0.08	1	HC_vs_MS.Trt_F
FAM65A	0.02621	0.68303	0.197	0.13	1	HC_vs_MS.Trt_F
POGK	0.02625	0.50899	0.312	0.23	1	HC_vs_MS.Trt_F
BIN3	0.02626	-0.3453	0.457	0.35	1	HC_vs_MS.Trt_F
MAPK8IP3	0.02634	0.55468	0.22	0.15	1	HC_vs_MS.Trt_F
CENPF	0.02645	0.72746	0.431	0.32	1	HC_vs_MS.Trt_F
FAXC	0.02647	0.28732	0.396	0.31	1	HC_vs_MS.Trt_F
ZNF555	0.0265	-0.3371	0.711	0.6	1	HC_vs_MS.Trt_F
GTF3C1	0.02653	0.37018	0.182	0.12	1	HC_vs_MS.Trt_F
UQCRH	0.02659	0.31719	0.581	0.49	1	HC_vs_MS.Trt_F
RBM38	0.02672	0.41269	0.202	0.13	1	HC_vs_MS.Trt_F
HNRNPAB	0.02674	0.41348	0.223	0.15	1	HC_vs_MS.Trt_F
EVI5	0.02681	0.25021	0.864	0.79	1	HC_vs_MS.Trt_F
DHX15	0.02693	0.41817	0.54	0.46	1	HC_vs_MS.Trt_F
TM9SF3	0.02705	-1.1866	0.139	0.2	1	HC_vs_MS.Trt_F
TCEAL1	0.02705	0.64831	0.121	0.07	1	HC_vs_MS.Trt_F
DDHD1	0.02707	0.30574	0.942	0.86	1	HC_vs_MS.Trt_F
SCML4	0.02707	0.35469	0.662	0.57	1	HC_vs_MS.Trt_F
ERLIN1	0.02711	1.4687	0.101	0.05	1	HC_vs_MS.Trt_F
NABP1	0.02711	-0.5662	0.766	0.8	1	HC_vs_MS.Trt_F
HLA-DRB1	0.02723	0.2676	0.321	0.23	1	HC_vs_MS.Trt_F
RBM48	0.02728	-0.818	0.829	0.72	1	HC_vs_MS.Trt_F
ZFP36L1	0.02734	-0.3845	0.769	0.76	1	HC_vs_MS.Trt_F
THOC7	0.02744	-1.0507	0.159	0.22	1	HC_vs_MS.Trt_F
ATG4B	0.02745	0.4525	0.26	0.18	1	HC_vs_MS.Trt_F
PITRM1	0.02753	0.33833	0.211	0.14	1	HC_vs_MS.Trt_F
TTI2	0.02768	0.27405	0.512	0.4	1	HC_vs_MS.Trt_F
PGAP1	0.0277	0.62215	0.457	0.37	1	HC_vs_MS.Trt_F
NEK1	0.02775	0.70861	0.402	0.31	1	HC_vs_MS.Trt_F
ACTN4	0.02777	0.26282	0.5	0.41	1	HC_vs_MS.Trt_F
PPM1L	0.02786	-0.286	0.246	0.31	1	HC_vs_MS.Trt_F
UBTF	0.02789	0.57579	0.321	0.24	1	HC_vs_MS.Trt_F
HEATR1	0.02792	-1.0276	0.202	0.14	1	HC_vs_MS.Trt_F
PBLD	0.02794	0.34423	0.673	0.57	1	HC_vs_MS.Trt_F
FOXJ2	0.02794	0.29964	0.503	0.39	1	HC_vs_MS.Trt_F
CISD2	0.02802	-0.4655	0.523	0.45	1	HC_vs_MS.Trt_F
BBS5	0.02814	0.26716	0.361	0.28	1	HC_vs_MS.Trt_F
TUBGCP5	0.02818	0.38604	0.697	0.64	1	HC_vs_MS.Trt_F
BCAM	0.02819	0.56906	0.786	0.7	1	HC_vs_MS.Trt_F

SMAD9	0.02834	-0.6113	0.448	0.33	1	HC_vs_MS.Trt_F
LIN52	0.02847	-0.3698	0.777	0.68	1	HC_vs_MS.Trt_F
FUT8	0.0285	0.47162	1	0.99	1	HC_vs_MS.Trt_F
WHRN	0.0285	0.78695	0.171	0.11	1	HC_vs_MS.Trt_F
STYX	0.02852	-0.2813	0.624	0.5	1	HC_vs_MS.Trt_F
MTG2	0.02859	-0.6088	0.847	0.82	1	HC_vs_MS.Trt_F
TRNAU1AP	0.02864	0.55526	0.919	0.88	1	HC_vs_MS.Trt_F
NUP93	0.02864	-0.3905	0.737	0.66	1	HC_vs_MS.Trt_F
SH3BP1	0.02873	0.56102	0.156	0.1	1	HC_vs_MS.Trt_F
BOD1L1	0.02881	0.25723	0.757	0.7	1	HC_vs_MS.Trt_F
TRABD	0.02881	0.43738	0.382	0.31	1	HC_vs_MS.Trt_F
DPH6	0.02914	0.25923	0.477	0.36	1	HC_vs_MS.Trt_F
SLC10A3	0.02921	-0.5032	0.159	0.1	1	HC_vs_MS.Trt_F
CHD4	0.02922	-0.3028	0.636	0.54	1	HC_vs_MS.Trt_F
RAB17	0.02926	0.38617	0.246	0.18	1	HC_vs_MS.Trt_F
DPYSL2	0.0293	-0.7648	0.52	0.57	1	HC_vs_MS.Trt_F
PLS3	0.02939	-0.2664	0.46	0.35	1	HC_vs_MS.Trt_F
PFDN1	0.02943	0.3541	0.237	0.16	1	HC_vs_MS.Trt_F
ZDHC15	0.02946	0.34819	0.647	0.55	1	HC_vs_MS.Trt_F
KIF20B	0.02948	-0.4282	0.188	0.12	1	HC_vs_MS.Trt_F
ATF6	0.02959	0.87866	0.283	0.2	1	HC_vs_MS.Trt_F
PCYT1B	0.0296	0.28213	0.526	0.44	1	HC_vs_MS.Trt_F
ARFGAP1	0.0296	-0.58	0.234	0.15	1	HC_vs_MS.Trt_F
ADCK1	0.02972	1.14577	0.312	0.23	1	HC_vs_MS.Trt_F
ELF4	0.02976	0.41251	0.153	0.09	1	HC_vs_MS.Trt_F
CLDN11	0.02983	-0.3551	0.699	0.57	1	HC_vs_MS.Trt_F
CDK19	0.02988	0.50647	0.358	0.27	1	HC_vs_MS.Trt_F
SF3A3	0.02993	-0.4191	0.408	0.31	1	HC_vs_MS.Trt_F
TAF15	0.02994	0.36413	0.254	0.18	1	HC_vs_MS.Trt_F
C22orf29	0.02999	-0.354	0.494	0.39	1	HC_vs_MS.Trt_F
C12orf10	0.03002	0.57561	0.286	0.2	1	HC_vs_MS.Trt_F
TCAF2	0.03006	-0.3316	0.78	0.68	1	HC_vs_MS.Trt_F
IFI35	0.03007	0.33863	0.873	0.8	1	HC_vs_MS.Trt_F
RBMS2	0.03008	0.2586	0.939	0.87	1	HC_vs_MS.Trt_F
BTBD9	0.03009	0.59668	0.621	0.57	1	HC_vs_MS.Trt_F
WRNIP1	0.03009	0.59591	0.133	0.08	1	HC_vs_MS.Trt_F
CCDC169	0.03024	0.47032	0.636	0.52	1	HC_vs_MS.Trt_F
SMG7	0.03025	0.39542	0.24	0.16	1	HC_vs_MS.Trt_F
MCM4	0.03026	0.29005	0.673	0.6	1	HC_vs_MS.Trt_F
CWC22	0.03037	0.26726	0.179	0.12	1	HC_vs_MS.Trt_F

BCL3	0.03049	0.59406	0.147	0.09	1	HC_vs_MS.Trt_F
RPS2	0.03059	0.37889	0.598	0.51	1	HC_vs_MS.Trt_F
MRPL44	0.03064	0.46751	0.627	0.53	1	HC_vs_MS.Trt_F
ZBTB4	0.03065	0.62919	0.194	0.13	1	HC_vs_MS.Trt_F
CREBBP	0.03073	0.65421	0.59	0.49	1	HC_vs_MS.Trt_F
KDM2A	0.03077	0.28549	0.919	0.92	1	HC_vs_MS.Trt_F
ARL11	0.03085	0.32185	0.685	0.58	1	HC_vs_MS.Trt_F
U2AF2	0.03085	1.10863	0.243	0.17	1	HC_vs_MS.Trt_F
ARFGEF2	0.03086	0.78666	0.494	0.41	1	HC_vs_MS.Trt_F
RASSF8	0.03094	0.32456	0.514	0.41	1	HC_vs_MS.Trt_F
PCNX4	0.03107	0.25081	0.922	0.92	1	HC_vs_MS.Trt_F
SPG21	0.03112	0.34733	0.913	0.88	1	HC_vs_MS.Trt_F
SLC46A3	0.03113	0.25914	0.136	0.08	1	HC_vs_MS.Trt_F
FDX1	0.0312	-0.3023	0.384	0.28	1	HC_vs_MS.Trt_F
JMY	0.03142	0.96087	0.353	0.28	1	HC_vs_MS.Trt_F
CHGB	0.03142	1.03126	0.5	0.4	1	HC_vs_MS.Trt_F
ERVK3-1	0.03144	0.57873	0.379	0.3	1	HC_vs_MS.Trt_F
PLEKHM1	0.0316	0.3006	0.861	0.8	1	HC_vs_MS.Trt_F
ATAD2B	0.03161	0.8244	0.746	0.74	1	HC_vs_MS.Trt_F
ATP1B3	0.03161	0.36612	0.211	0.14	1	HC_vs_MS.Trt_F
PIGN	0.03165	0.35489	0.653	0.58	1	HC_vs_MS.Trt_F
MTHFD2L	0.03168	0.71679	0.535	0.47	1	HC_vs_MS.Trt_F
STK3	0.03169	0.40404	0.786	0.73	1	HC_vs_MS.Trt_F
ZNF462	0.03173	0.73806	0.24	0.18	1	HC_vs_MS.Trt_F
ZC3H12B	0.03177	-1.0783	0.63	0.5	1	HC_vs_MS.Trt_F
HAUS6	0.03187	0.63774	0.39	0.31	1	HC_vs_MS.Trt_F
HSF1	0.03188	0.47718	0.526	0.42	1	HC_vs_MS.Trt_F
RP11-437B1	0.03195	0.27964	0.639	0.54	1	HC_vs_MS.Trt_F
SF3B4	0.03199	0.43793	0.243	0.17	1	HC_vs_MS.Trt_F
C1orf216	0.0321	-0.2894	0.789	0.73	1	HC_vs_MS.Trt_F
SYNRG	0.03211	0.7254	0.971	0.93	1	HC_vs_MS.Trt_F
KIAA1147	0.03214	0.68658	0.124	0.07	1	HC_vs_MS.Trt_F
EIF1AX	0.03224	-0.4081	0.347	0.25	1	HC_vs_MS.Trt_F
GOLGA8R	0.03226	0.4949	0.558	0.48	1	HC_vs_MS.Trt_F
TMEM39A	0.03234	0.63902	0.211	0.14	1	HC_vs_MS.Trt_F
TUBA1C	0.03234	0.32819	0.679	0.58	1	HC_vs_MS.Trt_F
CCNG1	0.03247	-0.9085	0.211	0.27	1	HC_vs_MS.Trt_F
TMEM50B	0.03251	0.31073	0.734	0.67	1	HC_vs_MS.Trt_F
ZNF91	0.03262	0.38958	0.806	0.73	1	HC_vs_MS.Trt_F
KHNYN	0.03263	2.01588	0.136	0.08	1	HC_vs_MS.Trt_F

GNAI2	0.03264	0.69981	0.451	0.37	1	HC_vs_MS.Trt_F
EIF1AD	0.03266	-0.8189	0.694	0.73	1	HC_vs_MS.Trt_F
NAPEPLD	0.03266	0.59504	0.384	0.31	1	HC_vs_MS.Trt_F
PKD1	0.03267	0.65282	0.454	0.35	1	HC_vs_MS.Trt_F
BCL9L	0.03268	1.22318	0.205	0.14	1	HC_vs_MS.Trt_F
ZNF714	0.03268	0.45907	0.96	0.91	1	HC_vs_MS.Trt_F
SLC9A9	0.03274	0.86408	0.171	0.11	1	HC_vs_MS.Trt_F
IREB2	0.03274	0.37465	0.844	0.75	1	HC_vs_MS.Trt_F
ZMYM3	0.03274	0.2864	0.408	0.34	1	HC_vs_MS.Trt_F
PRKG2	0.03292	0.47849	0.387	0.3	1	HC_vs_MS.Trt_F
IGSF9	0.03296	0.31354	0.344	0.26	1	HC_vs_MS.Trt_F
SVIP	0.03311	0.623	0.546	0.45	1	HC_vs_MS.Trt_F
NCOA7	0.03334	0.5802	0.801	0.72	1	HC_vs_MS.Trt_F
AZI2	0.03335	0.36001	0.197	0.13	1	HC_vs_MS.Trt_F
MRPS35	0.03343	0.63396	0.173	0.11	1	HC_vs_MS.Trt_F
P2RY11	0.03355	-0.6866	0.092	0.15	1	HC_vs_MS.Trt_F
DNAH12	0.03358	-0.6954	0.107	0.16	1	HC_vs_MS.Trt_F
RNF114	0.03362	0.33577	0.772	0.67	1	HC_vs_MS.Trt_F
NOTCH4	0.03373	0.37058	0.85	0.78	1	HC_vs_MS.Trt_F
OGG1	0.03378	-0.38	0.431	0.34	1	HC_vs_MS.Trt_F
RALGAPA2	0.0338	0.66262	0.205	0.14	1	HC_vs_MS.Trt_F
TIAM2	0.03383	0.30327	0.815	0.75	1	HC_vs_MS.Trt_F
OXSRI	0.03385	-0.5393	0.124	0.18	1	HC_vs_MS.Trt_F
CENPI	0.03387	0.88179	0.471	0.39	1	HC_vs_MS.Trt_F
OAS1	0.03397	0.27933	0.584	0.51	1	HC_vs_MS.Trt_F
KAT8	0.03406	0.71112	0.165	0.1	1	HC_vs_MS.Trt_F
SEMA4C	0.03407	0.59476	0.801	0.73	1	HC_vs_MS.Trt_F
FUT6	0.03421	0.36839	0.506	0.41	1	HC_vs_MS.Trt_F
RBM43	0.03442	0.25153	0.682	0.6	1	HC_vs_MS.Trt_F
PNRC1	0.03453	0.31171	0.35	0.27	1	HC_vs_MS.Trt_F
FGFR1OP2	0.03454	0.30955	0.376	0.29	1	HC_vs_MS.Trt_F
PDZD7	0.03482	0.42331	0.497	0.41	1	HC_vs_MS.Trt_F
NT5C3B	0.03486	0.71611	0.659	0.61	1	HC_vs_MS.Trt_F
CYB561	0.0349	0.99713	0.39	0.31	1	HC_vs_MS.Trt_F
SLX4	0.0349	0.43345	0.569	0.5	1	HC_vs_MS.Trt_F
DNAJC1	0.03507	0.57224	0.199	0.14	1	HC_vs_MS.Trt_F
MCC	0.03509	0.96079	0.532	0.43	1	HC_vs_MS.Trt_F
ZKSCAN8	0.03513	1.24495	0.303	0.24	1	HC_vs_MS.Trt_F
LAX1	0.03515	0.36351	0.587	0.5	1	HC_vs_MS.Trt_F
UNC79	0.03518	0.25302	0.408	0.32	1	HC_vs_MS.Trt_F



ACOXL	0.03539	0.38221	0.72	0.66	1	HC_vs_MS.Trt_F
NDRG1	0.03542	0.55649	0.191	0.13	1	HC_vs_MS.Trt_F
DPP8	0.03545	0.39712	0.442	0.36	1	HC_vs_MS.Trt_F
SLC35D1	0.03562	0.5483	0.35	0.26	1	HC_vs_MS.Trt_F
ADAT2	0.03587	-0.6966	0.486	0.38	1	HC_vs_MS.Trt_F
PTPN9	0.0359	0.38384	0.355	0.27	1	HC_vs_MS.Trt_F
RPS6KA1	0.03593	0.55681	0.237	0.17	1	HC_vs_MS.Trt_F
ZNF277	0.03598	-0.8557	0.616	0.5	1	HC_vs_MS.Trt_F
FAM102B	0.036	0.76273	0.315	0.22	1	HC_vs_MS.Trt_F
CC2D2B	0.036	-0.6259	0.185	0.12	1	HC_vs_MS.Trt_F
ZMYND8	0.03609	0.3037	0.419	0.33	1	HC_vs_MS.Trt_F
MAF1	0.03616	0.36947	0.225	0.16	1	HC_vs_MS.Trt_F
ICA1L	0.0363	0.61535	0.812	0.77	1	HC_vs_MS.Trt_F
CDH12	0.03636	0.31829	0.803	0.75	1	HC_vs_MS.Trt_F
HPS4	0.03638	0.5165	0.818	0.74	1	HC_vs_MS.Trt_F
UTP6	0.03645	-0.5381	0.899	0.87	1	HC_vs_MS.Trt_F
NUDT6	0.03647	0.83006	0.584	0.51	1	HC_vs_MS.Trt_F
SLC1A5	0.03648	0.32549	0.251	0.18	1	HC_vs_MS.Trt_F
SUZ12	0.03654	0.42373	0.717	0.62	1	HC_vs_MS.Trt_F
KRT8	0.03664	0.25425	0.867	0.81	1	HC_vs_MS.Trt_F
RIN3	0.0367	0.34857	0.249	0.18	1	HC_vs_MS.Trt_F
DNHD1	0.03683	0.26399	0.39	0.3	1	HC_vs_MS.Trt_F
MAP4	0.03683	0.38743	0.815	0.76	1	HC_vs_MS.Trt_F
PLOD3	0.03686	1.14246	0.78	0.67	1	HC_vs_MS.Trt_F
NFKBID	0.03691	-0.4567	0.642	0.53	1	HC_vs_MS.Trt_F
SMAP2	0.03703	-0.2523	0.37	0.28	1	HC_vs_MS.Trt_F
BLOC1S2	0.03705	-0.5017	0.598	0.5	1	HC_vs_MS.Trt_F
SLC24A1	0.03725	-0.9085	0.529	0.41	1	HC_vs_MS.Trt_F
VPS4A	0.03745	0.41766	0.688	0.6	1	HC_vs_MS.Trt_F
RHNO1	0.03763	0.3843	0.74	0.64	1	HC_vs_MS.Trt_F
METTL18	0.03765	-0.7962	0.061	0.1	1	HC_vs_MS.Trt_F
SLITRK5	0.03774	0.28741	0.801	0.73	1	HC_vs_MS.Trt_F
GNA12	0.03779	-0.2576	0.113	0.07	1	HC_vs_MS.Trt_F
SLC25A19	0.03804	0.6422	0.465	0.38	1	HC_vs_MS.Trt_F
ZNF142	0.03806	0.7909	0.136	0.08	1	HC_vs_MS.Trt_F
TANGO6	0.03809	0.29504	0.87	0.76	1	HC_vs_MS.Trt_F
AP2S1	0.03815	-0.3523	0.22	0.14	1	HC_vs_MS.Trt_F
SLIT3	0.03821	0.94036	0.616	0.53	1	HC_vs_MS.Trt_F
CHDH	0.03824	-0.559	0.572	0.48	1	HC_vs_MS.Trt_F
RSL24D1	0.03832	-0.2779	0.309	0.22	1	HC_vs_MS.Trt_F

HPF1	0.03845	0.25396	0.145	0.09	1	HC_vs_MS.Trt_F
FAM9C	0.03851	0.30196	0.601	0.54	1	HC_vs_MS.Trt_F
SFPQ	0.03854	-0.2646	0.639	0.54	1	HC_vs_MS.Trt_F
ABCC1	0.03856	0.47891	0.402	0.32	1	HC_vs_MS.Trt_F
AKR7A2	0.03868	0.25668	0.165	0.1	1	HC_vs_MS.Trt_F
ZDHHC2	0.03873	-1.2664	0.116	0.17	1	HC_vs_MS.Trt_F
HSBP1L1	0.03874	0.37477	0.431	0.35	1	HC_vs_MS.Trt_F
AP4M1	0.03884	-0.3011	0.671	0.58	1	HC_vs_MS.Trt_F
CREBL2	0.03886	0.6797	0.168	0.11	1	HC_vs_MS.Trt_F
ARHGEF26	0.03891	0.52169	0.595	0.49	1	HC_vs_MS.Trt_F
OAT	0.03892	0.70044	0.156	0.1	1	HC_vs_MS.Trt_F
SLC16A7	0.03893	0.82589	0.711	0.61	1	HC_vs_MS.Trt_F
SLC26A11	0.03904	0.52007	0.697	0.6	1	HC_vs_MS.Trt_F
RABGEF1	0.03906	-0.2772	0.436	0.33	1	HC_vs_MS.Trt_F
CHURC1	0.03907	-0.3927	0.714	0.63	1	HC_vs_MS.Trt_F
MED18	0.03915	-0.4493	0.682	0.62	1	HC_vs_MS.Trt_F
QSOX1	0.03915	0.54591	0.474	0.39	1	HC_vs_MS.Trt_F
SERPINE1	0.03935	0.31911	0.266	0.19	1	HC_vs_MS.Trt_F
SLC12A4	0.03954	0.68264	0.286	0.21	1	HC_vs_MS.Trt_F
ARHGEF28	0.03955	-0.2564	0.24	0.17	1	HC_vs_MS.Trt_F
POLA1	0.03956	1.3048	0.136	0.08	1	HC_vs_MS.Trt_F
CD84	0.03957	0.58486	0.76	0.72	1	HC_vs_MS.Trt_F
TMEM241	0.03962	1.0071	0.694	0.61	1	HC_vs_MS.Trt_F
SLC35D2	0.03966	-1.222	0.064	0.11	1	HC_vs_MS.Trt_F
INTS1	0.03986	1.00348	0.439	0.37	1	HC_vs_MS.Trt_F
PTBP2	0.03991	-0.992	0.682	0.55	1	HC_vs_MS.Trt_F
NAA50	0.04	-0.5186	0.512	0.43	1	HC_vs_MS.Trt_F
ERVW-1	0.04003	0.40741	0.445	0.36	1	HC_vs_MS.Trt_F
PLA2R1	0.04003	0.77219	0.592	0.64	1	HC_vs_MS.Trt_F
TYW3	0.04005	0.50401	0.503	0.41	1	HC_vs_MS.Trt_F
EXOC6	0.04007	1.02888	0.341	0.26	1	HC_vs_MS.Trt_F
PELI1	0.04012	0.47586	0.237	0.17	1	HC_vs_MS.Trt_F
UBA6	0.04012	-0.2913	0.514	0.59	1	HC_vs_MS.Trt_F
NUDT3	0.0402	0.33883	0.584	0.5	1	HC_vs_MS.Trt_F
NUB1	0.04024	0.3106	0.876	0.85	1	HC_vs_MS.Trt_F
CENPL	0.04032	0.50236	0.789	0.72	1	HC_vs_MS.Trt_F
ABCB9	0.04094	0.45627	0.85	0.81	1	HC_vs_MS.Trt_F
MCOLN1	0.04097	0.41674	0.806	0.78	1	HC_vs_MS.Trt_F
ZNF780A	0.0412	-0.4974	0.434	0.34	1	HC_vs_MS.Trt_F
RCHY1	0.04139	0.31192	0.364	0.28	1	HC_vs_MS.Trt_F

HDAC8	0.0414	0.67401	0.243	0.18	1	HC_vs_MS.Trt_F
FAM192A	0.04146	-0.6121	0.52	0.4	1	HC_vs_MS.Trt_F
PHACTR3	0.04153	0.35824	0.176	0.12	1	HC_vs_MS.Trt_F
THOP1	0.04168	0.34865	0.402	0.32	1	HC_vs_MS.Trt_F
6-Mar	0.04168	-0.5722	0.827	0.83	1	HC_vs_MS.Trt_F
KIAA1586	0.04181	-1.5312	0.104	0.16	1	HC_vs_MS.Trt_F
TGS1	0.04182	0.32081	0.217	0.16	1	HC_vs_MS.Trt_F
TOM1	0.04183	0.29308	0.335	0.26	1	HC_vs_MS.Trt_F
MYH3	0.0419	0.76926	0.699	0.6	1	HC_vs_MS.Trt_F
TMEM218	0.04191	-1.9339	0.116	0.16	1	HC_vs_MS.Trt_F
WDR26	0.04192	0.59134	0.717	0.63	1	HC_vs_MS.Trt_F
EIF3I	0.04202	0.33037	0.613	0.54	1	HC_vs_MS.Trt_F
RNF2	0.04203	0.48657	0.494	0.4	1	HC_vs_MS.Trt_F
KIAA0408	0.04204	0.56918	0.376	0.29	1	HC_vs_MS.Trt_F
STMN3	0.04207	1.28737	0.249	0.18	1	HC_vs_MS.Trt_F
CCDC149	0.04207	0.56734	0.468	0.37	1	HC_vs_MS.Trt_F
SUDS3	0.04207	0.56589	0.841	0.81	1	HC_vs_MS.Trt_F
NBPF26	0.04214	0.83199	0.35	0.27	1	HC_vs_MS.Trt_F
LY6G5B	0.04228	0.32682	0.864	0.82	1	HC_vs_MS.Trt_F
PARP2	0.0423	1.67451	0.436	0.34	1	HC_vs_MS.Trt_F
AHR	0.0423	0.28347	0.688	0.65	1	HC_vs_MS.Trt_F
GRID1	0.04235	-0.5518	0.098	0.15	1	HC_vs_MS.Trt_F
IGF1R	0.04242	0.30233	0.387	0.29	1	HC_vs_MS.Trt_F
AHCY	0.04253	-1.4884	0.098	0.15	1	HC_vs_MS.Trt_F
PLEKHJ1	0.04257	0.31978	0.821	0.78	1	HC_vs_MS.Trt_F
LSG1	0.043	-0.2868	0.503	0.41	1	HC_vs_MS.Trt_F
ARHGEF7	0.04309	0.31636	0.303	0.23	1	HC_vs_MS.Trt_F
CDK16	0.04327	0.35799	0.254	0.18	1	HC_vs_MS.Trt_F
MTMR9	0.04338	0.32325	0.361	0.28	1	HC_vs_MS.Trt_F
STX7	0.04358	0.28182	0.795	0.72	1	HC_vs_MS.Trt_F
LEMD3	0.04367	-0.3732	0.714	0.59	1	HC_vs_MS.Trt_F
CCNB1IP1	0.04375	0.35873	0.858	0.78	1	HC_vs_MS.Trt_F
ACAT2	0.0439	1.45977	0.295	0.23	1	HC_vs_MS.Trt_F
TWSG1	0.04391	0.41169	0.454	0.37	1	HC_vs_MS.Trt_F
ATOX1	0.04392	1.28037	0.277	0.21	1	HC_vs_MS.Trt_F
VPS13D	0.04393	-0.7216	0.344	0.25	1	HC_vs_MS.Trt_F
CCDC50	0.04408	0.30071	0.503	0.42	1	HC_vs_MS.Trt_F
PPP4R1	0.04419	0.44035	0.295	0.21	1	HC_vs_MS.Trt_F
KMT2C	0.04426	0.26707	0.451	0.37	1	HC_vs_MS.Trt_F
RARA	0.0446	0.71068	0.162	0.11	1	HC_vs_MS.Trt_F

BMPR2	0.04464	0.51762	0.604	0.54	1	HC_vs_MS.Trt_F
C9orf3	0.04466	0.47005	0.78	0.7	1	HC_vs_MS.Trt_F
CCDC180	0.04469	0.29668	0.818	0.71	1	HC_vs_MS.Trt_F
ATP8B3	0.04471	0.35671	0.847	0.78	1	HC_vs_MS.Trt_F
PIK3R4	0.04474	0.8634	0.182	0.12	1	HC_vs_MS.Trt_F
GTF3C5	0.04483	0.35412	0.35	0.27	1	HC_vs_MS.Trt_F
SYF2	0.04486	0.41864	0.5	0.41	1	HC_vs_MS.Trt_F
TRIB3	0.04489	-0.7632	0.121	0.07	1	HC_vs_MS.Trt_F
ZNF627	0.0452	1.18873	0.633	0.55	1	HC_vs_MS.Trt_F
SNRK	0.0452	0.80608	0.52	0.45	1	HC_vs_MS.Trt_F
HAUS7	0.04527	0.34053	0.147	0.09	1	HC_vs_MS.Trt_F
PLG	0.0453	0.59446	0.254	0.19	1	HC_vs_MS.Trt_F
FBXL17	0.04533	1.62117	0.324	0.24	1	HC_vs_MS.Trt_F
SLC25A35	0.04538	0.65232	0.202	0.14	1	HC_vs_MS.Trt_F
ATP6V1H	0.04539	0.7179	0.434	0.37	1	HC_vs_MS.Trt_F
IFT74	0.04541	0.26536	0.465	0.37	1	HC_vs_MS.Trt_F
G2E3	0.04547	-0.3028	0.549	0.46	1	HC_vs_MS.Trt_F
ZNF525	0.04547	0.8792	0.673	0.59	1	HC_vs_MS.Trt_F
BAG3	0.04555	0.87396	0.118	0.07	1	HC_vs_MS.Trt_F
NUCKS1	0.04558	-0.5972	0.5	0.52	1	HC_vs_MS.Trt_F
PHLDB1	0.04565	0.64508	0.986	0.98	1	HC_vs_MS.Trt_F
ATF1	0.04577	0.89886	0.191	0.13	1	HC_vs_MS.Trt_F
COLEC11	0.04584	0.43451	0.393	0.31	1	HC_vs_MS.Trt_F
NGDN	0.04603	-0.3575	0.367	0.28	1	HC_vs_MS.Trt_F
PCCB	0.04613	0.40916	0.679	0.63	1	HC_vs_MS.Trt_F
ATP13A4	0.04623	0.41885	0.503	0.42	1	HC_vs_MS.Trt_F
SLC7A6	0.04633	0.38843	0.555	0.49	1	HC_vs_MS.Trt_F
GPX1	0.04638	0.31038	0.205	0.14	1	HC_vs_MS.Trt_F
MSRB1	0.0467	-0.4992	0.13	0.08	1	HC_vs_MS.Trt_F
MATN2	0.04687	-0.4031	0.613	0.52	1	HC_vs_MS.Trt_F
NOM1	0.04698	0.44769	0.714	0.62	1	HC_vs_MS.Trt_F
HAT1	0.04706	0.35352	0.884	0.87	1	HC_vs_MS.Trt_F
EPS15L1	0.04708	0.38266	0.827	0.8	1	HC_vs_MS.Trt_F
EPM2AIP1	0.04709	0.34343	0.309	0.23	1	HC_vs_MS.Trt_F
HERC5	0.04717	0.55324	0.214	0.15	1	HC_vs_MS.Trt_F
VSTM4	0.04728	0.99433	0.777	0.68	1	HC_vs_MS.Trt_F
TTC21B	0.04729	0.56169	0.416	0.34	1	HC_vs_MS.Trt_F
ZNF585B	0.04746	0.58641	0.772	0.65	1	HC_vs_MS.Trt_F
CLASP2	0.04752	0.74087	0.751	0.67	1	HC_vs_MS.Trt_F
MAT2B	0.0477	-0.7348	0.746	0.76	1	HC_vs_MS.Trt_F

TAB2	0.04772	0.26483	0.578	0.49	1	HC_vs_MS.Trt_F
HERC3	0.04774	0.57519	0.341	0.27	1	HC_vs_MS.Trt_F
TDRD1	0.04781	0.77707	0.225	0.16	1	HC_vs_MS.Trt_F
CORO7-PAN	0.04793	0.96869	0.156	0.1	1	HC_vs_MS.Trt_F
CEP290	0.04806	-0.2986	0.173	0.11	1	HC_vs_MS.Trt_F
STK25	0.04819	-0.5209	0.76	0.63	1	HC_vs_MS.Trt_F
CCDC24	0.04825	-0.2762	0.714	0.75	1	HC_vs_MS.Trt_F
SOD1	0.04832	0.25598	0.717	0.68	1	HC_vs_MS.Trt_F
PDZK1	0.04842	0.47433	0.355	0.28	1	HC_vs_MS.Trt_F
TSPYL4	0.0486	0.4017	0.168	0.11	1	HC_vs_MS.Trt_F
CD109	0.04871	0.47433	0.477	0.4	1	HC_vs_MS.Trt_F
ITSN1	0.04874	0.38603	0.936	0.85	1	HC_vs_MS.Trt_F
ZBED1	0.04898	0.58962	0.546	0.47	1	HC_vs_MS.Trt_F
SIK2	0.04905	0.28686	0.763	0.69	1	HC_vs_MS.Trt_F
MAPRE1	0.04908	0.3186	0.28	0.21	1	HC_vs_MS.Trt_F
SLC5A10	0.04909	-1.0275	0.058	0.1	1	HC_vs_MS.Trt_F
RUNX1T1	0.04912	0.28441	0.249	0.18	1	HC_vs_MS.Trt_F
SCAF8	0.04937	-0.2692	0.301	0.22	1	HC_vs_MS.Trt_F
H2AFV	0.04945	0.46844	0.691	0.64	1	HC_vs_MS.Trt_F
IL12RB2	0.04965	0.48168	0.162	0.11	1	HC_vs_MS.Trt_F
SPAG7	0.04967	0.46533	0.893	0.83	1	HC_vs_MS.Trt_F
SLAIN2	0.05008	-0.6744	0.162	0.21	1	HC_vs_MS.Trt_F
PRPF4B	0.05025	-0.4886	0.364	0.28	1	HC_vs_MS.Trt_F
NUP62	0.0503	0.28006	0.587	0.5	1	HC_vs_MS.Trt_F
PFKM	0.05031	-0.3881	0.884	0.87	1	HC_vs_MS.Trt_F
VRK2	0.05032	-0.2628	0.295	0.22	1	HC_vs_MS.Trt_F
BORCS7	0.0505	0.60909	0.419	0.33	1	HC_vs_MS.Trt_F
TMEM55A	0.05056	1.37408	0.113	0.07	1	HC_vs_MS.Trt_F
ALKBH5	0.05068	0.29623	0.208	0.14	1	HC_vs_MS.Trt_F
BET1L	0.05089	0.26092	0.251	0.18	1	HC_vs_MS.Trt_F
PRRG4	0.05104	0.28249	0.85	0.81	1	HC_vs_MS.Trt_F
EMP1	0.05108	0.7027	0.225	0.16	1	HC_vs_MS.Trt_F
ERN1	0.05126	0.27138	0.795	0.77	1	HC_vs_MS.Trt_F
TRMT12	0.05137	-0.3489	0.512	0.39	1	HC_vs_MS.Trt_F
EMC2	0.0515	0.53451	0.517	0.43	1	HC_vs_MS.Trt_F
RASGRF2	0.05154	0.92953	0.228	0.17	1	HC_vs_MS.Trt_F
DCAF1	0.05157	0.28764	0.225	0.17	1	HC_vs_MS.Trt_F
GAB3	0.05158	-0.5666	0.451	0.36	1	HC_vs_MS.Trt_F
PDE1B	0.05193	0.42599	0.601	0.51	1	HC_vs_MS.Trt_F
HDAC2	0.05194	0.42994	0.74	0.66	1	HC_vs_MS.Trt_F

CD7	0.05196	0.68115	0.289	0.22	1	HC_vs_MS.Trt_F
IDH3B	0.05241	0.29993	0.237	0.17	1	HC_vs_MS.Trt_F
C6orf223	0.05245	0.39085	0.286	0.22	1	HC_vs_MS.Trt_F
FAM193A	0.0525	0.31972	0.341	0.27	1	HC_vs_MS.Trt_F
C9orf131	0.05261	0.93682	0.182	0.13	1	HC_vs_MS.Trt_F
COMTD1	0.05262	-0.3413	0.173	0.11	1	HC_vs_MS.Trt_F
DYNLT1	0.05289	0.62629	0.587	0.51	1	HC_vs_MS.Trt_F
C14orf169	0.05291	-1.1213	0.066	0.11	1	HC_vs_MS.Trt_F
NAGK	0.05309	0.29261	0.832	0.76	1	HC_vs_MS.Trt_F
PLD2	0.05316	0.41825	0.142	0.09	1	HC_vs_MS.Trt_F
BMT2	0.05329	1.4375	0.136	0.09	1	HC_vs_MS.Trt_F
ZEB2	0.0535	-0.7997	0.647	0.69	1	HC_vs_MS.Trt_F
BRD2	0.05362	0.27037	0.679	0.6	1	HC_vs_MS.Trt_F
EED	0.05364	-0.5833	0.231	0.16	1	HC_vs_MS.Trt_F
HDAC7	0.05364	0.85003	0.321	0.26	1	HC_vs_MS.Trt_F
PHACTR2	0.05388	-0.7593	0.598	0.64	1	HC_vs_MS.Trt_F
PURA	0.05402	-0.697	0.136	0.09	1	HC_vs_MS.Trt_F
NXN	0.05409	0.31275	0.578	0.5	1	HC_vs_MS.Trt_F
DDX18	0.05418	-0.3023	0.798	0.69	1	HC_vs_MS.Trt_F
DENND4A	0.05422	0.66347	0.439	0.38	1	HC_vs_MS.Trt_F
CSNK1D	0.05422	0.38088	0.954	0.92	1	HC_vs_MS.Trt_F
DNM3	0.05427	1.12201	0.121	0.08	1	HC_vs_MS.Trt_F
DYM	0.05431	0.3492	0.74	0.69	1	HC_vs_MS.Trt_F
FLT4	0.05438	0.50805	0.124	0.08	1	HC_vs_MS.Trt_F
RPP30	0.05441	0.58607	0.679	0.64	1	HC_vs_MS.Trt_F
NADK	0.05446	-0.3015	0.306	0.23	1	HC_vs_MS.Trt_F
MRPS30	0.05449	-0.4186	0.312	0.37	1	HC_vs_MS.Trt_F
ASCC1	0.05454	0.66204	0.714	0.61	1	HC_vs_MS.Trt_F
MMP11	0.05457	0.58609	0.431	0.36	1	HC_vs_MS.Trt_F
SUN2	0.05467	0.25453	0.422	0.35	1	HC_vs_MS.Trt_F
KRIT1	0.05487	0.72511	0.673	0.6	1	HC_vs_MS.Trt_F
ANAPC15	0.05487	-0.4415	0.815	0.76	1	HC_vs_MS.Trt_F
VAMP1	0.05498	0.39691	0.185	0.13	1	HC_vs_MS.Trt_F
ICE2	0.0551	-0.2805	0.882	0.84	1	HC_vs_MS.Trt_F
TBC1D12	0.05512	0.33549	0.445	0.38	1	HC_vs_MS.Trt_F
AGFG2	0.05538	0.34612	0.355	0.28	1	HC_vs_MS.Trt_F
MFSD12	0.05538	0.70692	0.295	0.22	1	HC_vs_MS.Trt_F
RIOK2	0.05545	-0.2795	0.39	0.31	1	HC_vs_MS.Trt_F
FOXP3	0.05554	0.54602	0.503	0.42	1	HC_vs_MS.Trt_F
SYNJ2	0.05568	0.29941	0.928	0.9	1	HC_vs_MS.Trt_F

YWHAЕ	0.05572	-0.6064	0.431	0.47	1	HC_vs_MS.Trt_F
RYBP	0.05579	0.44451	0.113	0.07	1	HC_vs_MS.Trt_F
PIGT	0.05587	1.17556	0.147	0.1	1	HC_vs_MS.Trt_F
WDR70	0.05593	0.60766	0.315	0.23	1	HC_vs_MS.Trt_F
FOXRED2	0.05597	-0.254	0.59	0.5	1	HC_vs_MS.Trt_F
UPK3BL	0.05601	-0.495	0.532	0.58	1	HC_vs_MS.Trt_F
UMAD1	0.05609	-0.3222	0.22	0.16	1	HC_vs_MS.Trt_F
RTN3	0.05615	0.41873	0.211	0.16	1	HC_vs_MS.Trt_F
ZSCAN29	0.05617	-0.7417	0.445	0.48	1	HC_vs_MS.Trt_F
FOXRED1	0.05621	1.52585	0.549	0.48	1	HC_vs_MS.Trt_F
GET4	0.05628	0.29403	0.535	0.45	1	HC_vs_MS.Trt_F
RAB3GAP1	0.05631	-0.4292	0.402	0.31	1	HC_vs_MS.Trt_F
RP11-613M:	0.0566	0.26374	0.22	0.16	1	HC_vs_MS.Trt_F
RPL36AL	0.05665	-0.5674	0.509	0.53	1	HC_vs_MS.Trt_F
LRRС8A	0.05677	0.28525	0.173	0.12	1	HC_vs_MS.Trt_F
TP63	0.0568	0.5372	0.465	0.39	1	HC_vs_MS.Trt_F
KCNMB3	0.05705	-0.5215	0.465	0.38	1	HC_vs_MS.Trt_F
ALS2	0.05707	-0.5762	0.497	0.4	1	HC_vs_MS.Trt_F
CD83	0.0571	0.87436	0.179	0.13	1	HC_vs_MS.Trt_F
LNPEP	0.05716	0.34478	0.598	0.53	1	HC_vs_MS.Trt_F
PMPCA	0.05717	0.32018	0.775	0.71	1	HC_vs_MS.Trt_F
OSBPL3	0.05724	0.26285	0.532	0.45	1	HC_vs_MS.Trt_F
SMURF2	0.05724	0.93841	0.801	0.72	1	HC_vs_MS.Trt_F
DHRS3	0.05735	-0.6765	0.338	0.25	1	HC_vs_MS.Trt_F
PHB	0.05743	0.31992	0.199	0.14	1	HC_vs_MS.Trt_F
XPA	0.05758	0.56193	0.208	0.15	1	HC_vs_MS.Trt_F
RBKS	0.05759	0.82264	0.145	0.1	1	HC_vs_MS.Trt_F
SART1	0.05759	0.70225	0.37	0.29	1	HC_vs_MS.Trt_F
EVI2B	0.05766	0.33334	0.289	0.22	1	HC_vs_MS.Trt_F
PTPRG	0.0577	1.11663	0.295	0.23	1	HC_vs_MS.Trt_F
RRP15	0.05773	-0.4339	0.636	0.53	1	HC_vs_MS.Trt_F
SFT2D3	0.05775	-0.5151	0.535	0.45	1	HC_vs_MS.Trt_F
POLQ	0.05777	0.44386	0.618	0.53	1	HC_vs_MS.Trt_F
PECAM1	0.05799	0.26468	0.798	0.75	1	HC_vs_MS.Trt_F
HNRNPF	0.05805	-0.6274	0.335	0.39	1	HC_vs_MS.Trt_F
EEA1	0.05815	-0.3307	0.277	0.21	1	HC_vs_MS.Trt_F
SEC22B	0.05821	-0.7719	0.829	0.85	1	HC_vs_MS.Trt_F
APOBEC3A	0.05839	0.2654	0.462	0.38	1	HC_vs_MS.Trt_F
ILVBL	0.05841	-0.7618	0.318	0.23	1	HC_vs_MS.Trt_F
UBAP1L	0.05843	0.79806	0.399	0.32	1	HC_vs_MS.Trt_F

RNF207	0.05844	-0.4303	0.725	0.74	1	HC_vs_MS.Trt_F
WDR48	0.05849	-0.3995	0.211	0.14	1	HC_vs_MS.Trt_F
ZNF460	0.0585	0.62569	0.22	0.16	1	HC_vs_MS.Trt_F
STMN1	0.05856	0.30272	0.775	0.73	1	HC_vs_MS.Trt_F
GATAD1	0.05866	0.27149	0.896	0.86	1	HC_vs_MS.Trt_F
HSD3B7	0.05879	0.34288	0.506	0.42	1	HC_vs_MS.Trt_F
CEP85L	0.05879	0.30027	0.292	0.22	1	HC_vs_MS.Trt_F
SLC27A1	0.05882	0.37517	0.87	0.78	1	HC_vs_MS.Trt_F
MITF	0.05894	0.28026	0.199	0.14	1	HC_vs_MS.Trt_F
UGDH	0.05905	-0.4482	0.584	0.64	1	HC_vs_MS.Trt_F
RGS9	0.05926	0.41796	0.633	0.57	1	HC_vs_MS.Trt_F
VMAC	0.05934	0.4322	0.691	0.63	1	HC_vs_MS.Trt_F
SYNPO	0.05942	0.29118	0.237	0.18	1	HC_vs_MS.Trt_F
ZNF134	0.05947	1.26531	0.194	0.14	1	HC_vs_MS.Trt_F
KCNMB4	0.05951	0.40077	0.37	0.31	1	HC_vs_MS.Trt_F
NME1	0.05955	0.31068	0.639	0.73	1	HC_vs_MS.Trt_F
ABI2	0.05956	0.39601	0.899	0.84	1	HC_vs_MS.Trt_F
RECQL5	0.05976	1.42873	0.257	0.19	1	HC_vs_MS.Trt_F
PRPF18	0.05993	0.69969	0.165	0.11	1	HC_vs_MS.Trt_F
ANKMY1	0.05996	0.67241	0.462	0.37	1	HC_vs_MS.Trt_F
SOCS1	0.05999	0.81013	0.139	0.09	1	HC_vs_MS.Trt_F
TVP23B	0.05999	0.33533	0.647	0.57	1	HC_vs_MS.Trt_F
NDUFB6	0.06028	0.36321	0.561	0.49	1	HC_vs_MS.Trt_F
CES3	0.0603	0.55121	0.327	0.26	1	HC_vs_MS.Trt_F
HNRNPUL1	0.06035	0.6483	0.705	0.66	1	HC_vs_MS.Trt_F
ZNF195	0.0604	0.52492	0.621	0.53	1	HC_vs_MS.Trt_F
SMG9	0.06052	-0.2813	0.688	0.59	1	HC_vs_MS.Trt_F
BCCIP	0.06056	0.64661	0.228	0.17	1	HC_vs_MS.Trt_F
ESRP1	0.06061	-0.7363	0.165	0.22	1	HC_vs_MS.Trt_F
ZNF354B	0.06062	0.37522	0.361	0.29	1	HC_vs_MS.Trt_F
SLC20A2	0.06076	0.76822	0.179	0.13	1	HC_vs_MS.Trt_F
RHOT1	0.06084	0.52234	0.254	0.18	1	HC_vs_MS.Trt_F
CENPV	0.06088	0.5012	0.801	0.72	1	HC_vs_MS.Trt_F
MPP6	0.06101	1.17017	0.335	0.26	1	HC_vs_MS.Trt_F
HIVEP1	0.06101	0.48395	0.665	0.63	1	HC_vs_MS.Trt_F
HS3ST3B1	0.06104	-0.4791	0.46	0.52	1	HC_vs_MS.Trt_F
ANKRD6	0.06105	0.399	0.197	0.14	1	HC_vs_MS.Trt_F
SERGEF	0.06126	0.32085	0.185	0.13	1	HC_vs_MS.Trt_F
CAMK2G	0.06126	0.25205	0.676	0.58	1	HC_vs_MS.Trt_F
LECT2	0.06127	0.39907	0.191	0.14	1	HC_vs_MS.Trt_F



TADA3	0.06139	0.4689	0.616	0.53	1	HC_vs_MS.Trt_F
PTPRB	0.06147	0.30717	0.624	0.54	1	HC_vs_MS.Trt_F
NAA10	0.0615	0.55677	0.448	0.38	1	HC_vs_MS.Trt_F
HSPA4	0.06152	0.27946	0.434	0.35	1	HC_vs_MS.Trt_F
RNF41	0.06155	-0.3452	0.801	0.72	1	HC_vs_MS.Trt_F
ZNF816	0.06158	-0.7622	0.506	0.43	1	HC_vs_MS.Trt_F
YWHAH	0.06168	0.48362	0.246	0.19	1	HC_vs_MS.Trt_F
KIAA0556	0.06187	0.77131	0.358	0.28	1	HC_vs_MS.Trt_F
CMTM3	0.06197	0.64394	0.243	0.18	1	HC_vs_MS.Trt_F
FAM159A	0.06203	0.58148	0.63	0.52	1	HC_vs_MS.Trt_F
LGALS9	0.06209	0.53975	0.298	0.22	1	HC_vs_MS.Trt_F
FSTL4	0.06221	0.38565	0.246	0.18	1	HC_vs_MS.Trt_F
INO80E	0.06229	0.68836	0.22	0.16	1	HC_vs_MS.Trt_F
UHMK1	0.06246	-0.3452	0.329	0.26	1	HC_vs_MS.Trt_F
PIGF	0.06279	-0.2865	0.13	0.08	1	HC_vs_MS.Trt_F
TNIP1	0.06286	1.02398	0.355	0.3	1	HC_vs_MS.Trt_F
EZH1	0.063	0.43067	0.939	0.88	1	HC_vs_MS.Trt_F
TRIM2	0.06306	0.60847	0.251	0.19	1	HC_vs_MS.Trt_F
DDA1	0.06312	0.35843	0.598	0.52	1	HC_vs_MS.Trt_F
CAPRN1	0.06335	-0.2569	0.347	0.26	1	HC_vs_MS.Trt_F
ZNF720	0.06337	0.73689	0.584	0.5	1	HC_vs_MS.Trt_F
TRAF2	0.0639	-1.063	0.214	0.26	1	HC_vs_MS.Trt_F
DENND2D	0.06399	-0.358	0.338	0.39	1	HC_vs_MS.Trt_F
UBE3B	0.06405	0.76281	0.393	0.33	1	HC_vs_MS.Trt_F
PSMG2	0.0641	0.313	0.225	0.17	1	HC_vs_MS.Trt_F
TMEM263	0.06418	-0.5663	0.465	0.39	1	HC_vs_MS.Trt_F
RPS26	0.06429	-0.3061	0.702	0.69	1	HC_vs_MS.Trt_F
FASN	0.06439	1.6602	0.171	0.12	1	HC_vs_MS.Trt_F
KCTD9	0.0647	-1.1362	0.263	0.19	1	HC_vs_MS.Trt_F
RPGR	0.06471	1.08806	0.11	0.07	1	HC_vs_MS.Trt_F
BMF	0.06472	-0.5035	0.15	0.1	1	HC_vs_MS.Trt_F
TTC31	0.06477	0.85253	0.246	0.19	1	HC_vs_MS.Trt_F
PLBD2	0.06479	0.72856	0.41	0.34	1	HC_vs_MS.Trt_F
ANAPC5	0.06512	0.2987	0.962	0.94	1	HC_vs_MS.Trt_F
CCDC58	0.06519	0.36676	0.35	0.27	1	HC_vs_MS.Trt_F
CUBN	0.06547	0.85105	0.477	0.39	1	HC_vs_MS.Trt_F
ZBTB46	0.06549	0.40681	0.136	0.09	1	HC_vs_MS.Trt_F
ZNF764	0.06551	0.69719	0.399	0.33	1	HC_vs_MS.Trt_F
PHLDA3	0.06564	0.48725	0.425	0.35	1	HC_vs_MS.Trt_F
DNAL1	0.06576	0.38658	0.951	0.9	1	HC_vs_MS.Trt_F

ROCK1	0.06576	0.28119	0.751	0.68	1	HC_vs_MS.Trt_F
ZDHHC21	0.06584	-0.5236	0.301	0.23	1	HC_vs_MS.Trt_F
FOXN3	0.06589	0.34281	0.913	0.88	1	HC_vs_MS.Trt_F
FEZ2	0.06598	1.17339	0.54	0.46	1	HC_vs_MS.Trt_F
SERPINA10	0.06605	0.26543	0.627	0.53	1	HC_vs_MS.Trt_F
ZNF664	0.06612	0.52174	0.301	0.23	1	HC_vs_MS.Trt_F
FKBP10	0.06613	0.46281	0.428	0.35	1	HC_vs_MS.Trt_F
ZNF780B	0.06654	-0.709	0.584	0.64	1	HC_vs_MS.Trt_F
TPGS1	0.0666	0.99595	0.312	0.39	1	HC_vs_MS.Trt_F
MEIS2	0.06661	0.39485	0.225	0.17	1	HC_vs_MS.Trt_F
SWSAP1	0.06681	0.57207	0.783	0.7	1	HC_vs_MS.Trt_F
TLE4	0.06704	0.28174	0.199	0.14	1	HC_vs_MS.Trt_F
RABEP2	0.06743	0.52084	0.566	0.52	1	HC_vs_MS.Trt_F
SDR42E1	0.06744	0.47605	0.471	0.38	1	HC_vs_MS.Trt_F
PCBP3	0.06745	0.27502	0.506	0.44	1	HC_vs_MS.Trt_F
FLNA	0.06754	0.28053	0.592	0.51	1	HC_vs_MS.Trt_F
RAI1	0.06768	1.20733	0.234	0.18	1	HC_vs_MS.Trt_F
MLEC	0.06777	0.67061	0.15	0.1	1	HC_vs_MS.Trt_F
MELK	0.06797	-0.6281	0.584	0.59	1	HC_vs_MS.Trt_F
NIT1	0.068	0.36903	0.676	0.62	1	HC_vs_MS.Trt_F
KCTD11	0.06823	0.91165	0.173	0.12	1	HC_vs_MS.Trt_F
SLC25A40	0.06827	-0.6514	0.364	0.28	1	HC_vs_MS.Trt_F
STARD6	0.06837	-0.4051	0.176	0.13	1	HC_vs_MS.Trt_F
DAG1	0.06841	1.49765	0.604	0.55	1	HC_vs_MS.Trt_F
PRRC2B	0.06842	0.65114	0.312	0.25	1	HC_vs_MS.Trt_F
USO1	0.06851	0.51055	0.208	0.15	1	HC_vs_MS.Trt_F
ESAM	0.06851	-1.2638	0.116	0.17	1	HC_vs_MS.Trt_F
ZNF226	0.06853	-0.4961	0.581	0.5	1	HC_vs_MS.Trt_F
TBCEL	0.06859	0.28149	0.113	0.16	1	HC_vs_MS.Trt_F
SUPT20H	0.06859	0.37655	0.491	0.41	1	HC_vs_MS.Trt_F
CTC1	0.06876	0.35273	0.491	0.43	1	HC_vs_MS.Trt_F
MYH10	0.06897	0.75924	0.147	0.1	1	HC_vs_MS.Trt_F
NANOS1	0.069	-0.2819	0.535	0.57	1	HC_vs_MS.Trt_F
ARHGAP11A	0.06906	0.47351	0.422	0.35	1	HC_vs_MS.Trt_F
SUN3	0.06907	0.36674	0.413	0.34	1	HC_vs_MS.Trt_F
C2CD5	0.06918	-0.5128	0.211	0.15	1	HC_vs_MS.Trt_F
SIRPB2	0.06927	0.43712	0.416	0.33	1	HC_vs_MS.Trt_F
SPG20	0.06931	0.42102	0.165	0.11	1	HC_vs_MS.Trt_F
SPHK2	0.06935	1.19198	0.393	0.32	1	HC_vs_MS.Trt_F
DNAJB9	0.06942	0.79086	0.171	0.12	1	HC_vs_MS.Trt_F

ADRA1A	0.06973	0.2835	0.618	0.58	1	HC_vs_MS.Trt_F
TNS3	0.06978	0.65033	0.419	0.33	1	HC_vs_MS.Trt_F
NOL11	0.06981	-0.7517	0.578	0.48	1	HC_vs_MS.Trt_F
THOC2	0.06984	0.26461	0.601	0.53	1	HC_vs_MS.Trt_F
ADARB2	0.06992	-0.6877	0.402	0.33	1	HC_vs_MS.Trt_F
GANAB	0.07	1.02252	0.503	0.45	1	HC_vs_MS.Trt_F
AKT3	0.07014	0.31309	0.798	0.71	1	HC_vs_MS.Trt_F
DCC	0.07015	0.45464	0.116	0.17	1	HC_vs_MS.Trt_F
MAST3	0.0702	-0.4369	0.668	0.75	1	HC_vs_MS.Trt_F
USP32	0.07036	0.66393	0.332	0.28	1	HC_vs_MS.Trt_F
ALMS1	0.07042	1.58684	0.517	0.45	1	HC_vs_MS.Trt_F
FRMD3	0.07043	0.36254	0.124	0.08	1	HC_vs_MS.Trt_F
RP11-343C2	0.07048	0.56749	0.168	0.12	1	HC_vs_MS.Trt_F
ABI3BP	0.07052	0.26482	0.5	0.41	1	HC_vs_MS.Trt_F
PPAT	0.07062	-0.7289	0.344	0.28	1	HC_vs_MS.Trt_F
ACTR3B	0.07095	0.49241	0.592	0.5	1	HC_vs_MS.Trt_F
TTC14	0.07101	0.42349	0.442	0.35	1	HC_vs_MS.Trt_F
ARHGAP17	0.0715	0.48325	0.63	0.55	1	HC_vs_MS.Trt_F
C18orf21	0.07151	0.71972	0.118	0.08	1	HC_vs_MS.Trt_F
COQ5	0.07156	0.29085	0.876	0.82	1	HC_vs_MS.Trt_F
BNIP3L	0.07162	-0.3167	0.263	0.19	1	HC_vs_MS.Trt_F
LAIR2	0.0719	0.34322	0.179	0.13	1	HC_vs_MS.Trt_F
ARL17B	0.07204	-0.561	0.78	0.71	1	HC_vs_MS.Trt_F
MIB1	0.07213	1.39005	0.171	0.12	1	HC_vs_MS.Trt_F
GNAS	0.07216	-0.5177	0.497	0.51	1	HC_vs_MS.Trt_F
CEP164	0.07221	0.34768	0.208	0.15	1	HC_vs_MS.Trt_F
AASDH	0.07226	0.40174	0.142	0.09	1	HC_vs_MS.Trt_F
TNFRSF21	0.07228	0.98575	0.185	0.14	1	HC_vs_MS.Trt_F
BAP1	0.0723	-0.41	0.382	0.3	1	HC_vs_MS.Trt_F
LZIC	0.07244	0.40325	0.873	0.82	1	HC_vs_MS.Trt_F
NCR1	0.07246	0.52106	0.266	0.21	1	HC_vs_MS.Trt_F
NISCH	0.07247	0.51321	0.454	0.4	1	HC_vs_MS.Trt_F
KLHL3	0.07252	0.45575	0.277	0.21	1	HC_vs_MS.Trt_F
GPR85	0.07264	0.28983	0.41	0.35	1	HC_vs_MS.Trt_F
CDC42BPG	0.07267	0.55495	0.616	0.54	1	HC_vs_MS.Trt_F
ZNF782	0.07269	1.1148	0.147	0.1	1	HC_vs_MS.Trt_F
GEMIN6	0.07272	-0.2853	0.968	0.92	1	HC_vs_MS.Trt_F
DET1	0.07275	-0.5352	0.601	0.54	1	HC_vs_MS.Trt_F
LRRC8C	0.07278	0.51809	0.335	0.28	1	HC_vs_MS.Trt_F
TTC28	0.07298	-0.8112	0.46	0.38	1	HC_vs_MS.Trt_F

PRKDC	0.0732	0.33979	0.63	0.58	1	HC_vs_MS.Trt_F
NFAT5	0.07329	0.79651	0.893	0.84	1	HC_vs_MS.Trt_F
NHLRC3	0.07358	-0.3219	0.422	0.35	1	HC_vs_MS.Trt_F
TTF1	0.0736	0.58358	0.512	0.45	1	HC_vs_MS.Trt_F
ETHE1	0.07362	1.0021	0.136	0.09	1	HC_vs_MS.Trt_F
SLAMF7	0.07363	-0.8253	0.477	0.38	1	HC_vs_MS.Trt_F
TXNDC11	0.07389	0.4168	0.39	0.32	1	HC_vs_MS.Trt_F
FBXW5	0.07393	0.43623	0.257	0.19	1	HC_vs_MS.Trt_F
EXOC4	0.07403	0.46403	0.575	0.49	1	HC_vs_MS.Trt_F
LDLR	0.07407	0.26194	0.98	0.92	1	HC_vs_MS.Trt_F
RNF19B	0.07416	-0.5653	0.069	0.11	1	HC_vs_MS.Trt_F
NBPF9	0.07419	0.573	0.702	0.65	1	HC_vs_MS.Trt_F
BORCS6	0.07439	0.50907	0.133	0.09	1	HC_vs_MS.Trt_F
FAM160B2	0.07448	0.60554	0.76	0.66	1	HC_vs_MS.Trt_F
MGMT	0.07453	0.59413	0.165	0.12	1	HC_vs_MS.Trt_F
TMEM116	0.0746	0.29413	0.928	0.87	1	HC_vs_MS.Trt_F
TSC2	0.07476	0.34623	0.731	0.66	1	HC_vs_MS.Trt_F
ST8SIA6	0.07482	-0.6997	0.46	0.37	1	HC_vs_MS.Trt_F
ARNTL	0.07483	0.54362	0.251	0.19	1	HC_vs_MS.Trt_F
PIGM	0.07485	0.27423	0.679	0.62	1	HC_vs_MS.Trt_F
AFF4	0.07495	0.79025	0.532	0.48	1	HC_vs_MS.Trt_F
PRPF38A	0.07503	-0.7136	0.673	0.59	1	HC_vs_MS.Trt_F
FAM53B	0.07525	0.61041	0.26	0.2	1	HC_vs_MS.Trt_F
PQLC3	0.0753	0.449	0.191	0.13	1	HC_vs_MS.Trt_F
PCDHGA6	0.0753	0.48727	0.85	0.81	1	HC_vs_MS.Trt_F
RB1	0.0754	0.86532	0.179	0.13	1	HC_vs_MS.Trt_F
SLC25A32	0.07545	-0.5399	0.425	0.34	1	HC_vs_MS.Trt_F
CYP4A11	0.07549	0.30337	0.13	0.09	1	HC_vs_MS.Trt_F
VPS52	0.07563	0.29269	0.22	0.16	1	HC_vs_MS.Trt_F
NBPF1	0.07579	0.30761	0.283	0.22	1	HC_vs_MS.Trt_F
NOP16	0.07599	0.29194	0.228	0.17	1	HC_vs_MS.Trt_F
IMPA1	0.07607	-0.8289	0.422	0.34	1	HC_vs_MS.Trt_F
RHOG	0.0761	0.3911	0.428	0.36	1	HC_vs_MS.Trt_F
RPS27	0.07621	0.27753	0.301	0.25	1	HC_vs_MS.Trt_F
PRPF39	0.0764	-0.3467	0.315	0.38	1	HC_vs_MS.Trt_F
PPM1M	0.07644	0.3333	0.197	0.14	1	HC_vs_MS.Trt_F
GLTSCR1L	0.07645	0.57613	0.231	0.17	1	HC_vs_MS.Trt_F
ANP32E	0.07656	-1.1298	0.462	0.48	1	HC_vs_MS.Trt_F
DPH1	0.07664	0.3131	0.91	0.86	1	HC_vs_MS.Trt_F
KLRC1	0.07665	-0.2868	0.338	0.27	1	HC_vs_MS.Trt_F

AKAP12	0.07673	0.68598	0.09	0.13	1	HC_vs_MS.Trt_F
ADA	0.07673	-0.5735	0.107	0.15	1	HC_vs_MS.Trt_F
NRDC	0.07683	0.27901	0.419	0.34	1	HC_vs_MS.Trt_F
ALAS1	0.07698	0.63214	0.159	0.11	1	HC_vs_MS.Trt_F
ABCB6	0.07702	0.26188	0.194	0.14	1	HC_vs_MS.Trt_F
FKBP4	0.07732	0.35455	0.159	0.11	1	HC_vs_MS.Trt_F
NFIB	0.07759	-0.4493	0.191	0.14	1	HC_vs_MS.Trt_F
CUL7	0.07806	0.88369	0.121	0.08	1	HC_vs_MS.Trt_F
MAK	0.0781	0.27223	0.249	0.19	1	HC_vs_MS.Trt_F
WDR43	0.07811	-0.2659	0.318	0.38	1	HC_vs_MS.Trt_F
CEP162	0.07811	-0.5206	0.217	0.16	1	HC_vs_MS.Trt_F
PORCN	0.07816	1.18292	0.121	0.08	1	HC_vs_MS.Trt_F
TMEM135	0.07832	0.27892	0.803	0.76	1	HC_vs_MS.Trt_F
CHSY1	0.07833	-0.3384	0.324	0.26	1	HC_vs_MS.Trt_F
NAA30	0.07837	0.42827	0.54	0.46	1	HC_vs_MS.Trt_F
SVBP	0.07843	-0.8273	0.121	0.17	1	HC_vs_MS.Trt_F
ACACB	0.07845	0.29583	0.96	0.92	1	HC_vs_MS.Trt_F
KLHL7	0.07879	-0.3569	0.798	0.69	1	HC_vs_MS.Trt_F
API5	0.07884	-0.7962	0.327	0.23	1	HC_vs_MS.Trt_F
SRPRB	0.07901	0.3048	0.208	0.15	1	HC_vs_MS.Trt_F
ADAL	0.07947	0.73763	0.506	0.42	1	HC_vs_MS.Trt_F
CXorf36	0.0796	0.5439	0.474	0.43	1	HC_vs_MS.Trt_F
SOCS4	0.07979	1.14881	0.379	0.3	1	HC_vs_MS.Trt_F
TMEM65	0.07982	0.48273	0.777	0.71	1	HC_vs_MS.Trt_F
LTN1	0.07984	0.73266	0.197	0.14	1	HC_vs_MS.Trt_F
UBR3	0.07991	-0.4671	0.171	0.12	1	HC_vs_MS.Trt_F
SH3PXD2A	0.07994	0.39369	0.379	0.31	1	HC_vs_MS.Trt_F
MMS19	0.07998	0.34976	0.225	0.17	1	HC_vs_MS.Trt_F
HEMGN	0.08019	0.49241	0.15	0.1	1	HC_vs_MS.Trt_F
AIM2	0.08022	1.3939	0.341	0.28	1	HC_vs_MS.Trt_F
SLC25A13	0.08033	0.57598	0.165	0.12	1	HC_vs_MS.Trt_F
PAN3	0.08044	-0.624	0.824	0.86	1	HC_vs_MS.Trt_F
PKN2	0.08061	0.37923	0.379	0.31	1	HC_vs_MS.Trt_F
PLAGL2	0.08092	1.16656	0.107	0.07	1	HC_vs_MS.Trt_F
FAM206A	0.081	1.69391	0.124	0.08	1	HC_vs_MS.Trt_F
BCL9	0.08106	0.26218	0.136	0.09	1	HC_vs_MS.Trt_F
MOG	0.08115	0.41396	0.396	0.32	1	HC_vs_MS.Trt_F
FBXL12	0.08125	-0.3181	0.723	0.64	1	HC_vs_MS.Trt_F
9-Mar	0.08128	0.94245	0.662	0.59	1	HC_vs_MS.Trt_F
ERI2	0.08164	1.11866	0.197	0.15	1	HC_vs_MS.Trt_F

ANAPC2	0.08172	1.65081	0.124	0.08	1	HC_vs_MS.Trt_F
BHLHB9	0.08183	-0.7745	0.436	0.35	1	HC_vs_MS.Trt_F
SPG11	0.08186	0.26082	0.853	0.82	1	HC_vs_MS.Trt_F
JAML	0.08211	0.43911	0.306	0.24	1	HC_vs_MS.Trt_F
PEA15	0.08224	-0.2912	0.194	0.13	1	HC_vs_MS.Trt_F
TNRC6A	0.08231	0.3964	0.887	0.84	1	HC_vs_MS.Trt_F
ITGA6	0.08236	0.26028	0.199	0.14	1	HC_vs_MS.Trt_F
MESDC2	0.0824	-0.7998	0.613	0.5	1	HC_vs_MS.Trt_F
ICMT	0.08245	0.43759	0.74	0.65	1	HC_vs_MS.Trt_F
CRYGS	0.08276	1.0548	0.286	0.22	1	HC_vs_MS.Trt_F
RAPGEF2	0.08294	0.63008	0.445	0.37	1	HC_vs_MS.Trt_F
RRP36	0.08312	0.33451	0.514	0.44	1	HC_vs_MS.Trt_F
ZNF606	0.08327	0.2757	0.815	0.81	1	HC_vs_MS.Trt_F
SLFN13	0.0833	-0.6025	0.731	0.63	1	HC_vs_MS.Trt_F
FAM160B1	0.08332	0.75256	0.205	0.15	1	HC_vs_MS.Trt_F
ZNF800	0.08345	0.73696	0.251	0.19	1	HC_vs_MS.Trt_F
GZMM	0.08351	0.27452	0.199	0.14	1	HC_vs_MS.Trt_F
CSAD	0.08353	0.46932	0.858	0.79	1	HC_vs_MS.Trt_F
IL4R	0.08361	1.11577	0.506	0.48	1	HC_vs_MS.Trt_F
HOOK1	0.08379	-0.5891	0.078	0.12	1	HC_vs_MS.Trt_F
MFSD4B	0.08392	0.35293	0.766	0.71	1	HC_vs_MS.Trt_F
CLASRP	0.08393	0.8257	0.202	0.15	1	HC_vs_MS.Trt_F
NRROS	0.08394	0.95165	0.173	0.13	1	HC_vs_MS.Trt_F
SRSF11	0.08396	-0.3583	0.803	0.72	1	HC_vs_MS.Trt_F
TBCB	0.08423	-0.2754	0.714	0.74	1	HC_vs_MS.Trt_F
AKAP1	0.08433	0.46642	0.15	0.1	1	HC_vs_MS.Trt_F
PCED1B	0.08452	0.4249	0.509	0.43	1	HC_vs_MS.Trt_F
EIF3B	0.0846	-0.2753	0.422	0.35	1	HC_vs_MS.Trt_F
SLC39A11	0.08475	-0.6953	0.272	0.32	1	HC_vs_MS.Trt_F
SKIV2L2	0.08496	0.30216	0.887	0.82	1	HC_vs_MS.Trt_F
RAC1	0.08509	-0.376	0.182	0.23	1	HC_vs_MS.Trt_F
YPEL1	0.08514	-1.2863	0.529	0.45	1	HC_vs_MS.Trt_F
SLC2A8	0.08515	0.25065	0.327	0.27	1	HC_vs_MS.Trt_F
LARS	0.08527	-0.6033	0.737	0.69	1	HC_vs_MS.Trt_F
RIOK1	0.08528	0.29707	0.136	0.09	1	HC_vs_MS.Trt_F
TRAPPC11	0.08529	0.75228	0.474	0.41	1	HC_vs_MS.Trt_F
KLHL5	0.0855	-0.3658	0.512	0.43	1	HC_vs_MS.Trt_F
MIGA2	0.08552	0.9208	0.514	0.42	1	HC_vs_MS.Trt_F
MAL	0.08563	0.38241	0.237	0.18	1	HC_vs_MS.Trt_F
SELENBP1	0.0858	-1.0969	0.335	0.27	1	HC_vs_MS.Trt_F

GVQW1	0.08596	-0.42	0.48	0.53	1	HC_vs_MS.Trt_F
LARP4	0.08597	0.59818	0.408	0.35	1	HC_vs_MS.Trt_F
UXT	0.08632	0.25679	0.246	0.19	1	HC_vs_MS.Trt_F
LCP1	0.08647	-0.3732	0.621	0.63	1	HC_vs_MS.Trt_F
ARL1	0.08651	-0.8357	0.419	0.33	1	HC_vs_MS.Trt_F
MRPL28	0.08657	0.76095	0.15	0.1	1	HC_vs_MS.Trt_F
ITM2B	0.0866	-0.3879	0.584	0.6	1	HC_vs_MS.Trt_F
ING1	0.08686	-0.5417	0.656	0.6	1	HC_vs_MS.Trt_F
LY6G5C	0.08693	0.29445	0.613	0.55	1	HC_vs_MS.Trt_F
ZNF583	0.08694	-0.2776	0.882	0.78	1	HC_vs_MS.Trt_F
TMEM261	0.08694	-0.79	0.165	0.12	1	HC_vs_MS.Trt_F
GOLPH3L	0.08733	1.03223	0.263	0.2	1	HC_vs_MS.Trt_F
AGPAT4	0.08751	0.48168	0.142	0.1	1	HC_vs_MS.Trt_F
IRGQ	0.08754	0.73666	0.991	0.98	1	HC_vs_MS.Trt_F
ANKRD37	0.0876	1.03197	0.15	0.1	1	HC_vs_MS.Trt_F
PGM5	0.08764	0.30153	0.104	0.07	1	HC_vs_MS.Trt_F
ST6GAL1	0.08771	0.29125	0.434	0.37	1	HC_vs_MS.Trt_F
VPS28	0.08772	0.31991	0.592	0.51	1	HC_vs_MS.Trt_F
SUMF2	0.08787	-0.3144	0.902	0.87	1	HC_vs_MS.Trt_F
NUMBL	0.08803	0.5502	0.627	0.55	1	HC_vs_MS.Trt_F
PICK1	0.08823	1.12564	0.52	0.46	1	HC_vs_MS.Trt_F
TSNARE1	0.08824	1.09535	0.133	0.09	1	HC_vs_MS.Trt_F
MAT2A	0.08828	0.38553	0.208	0.15	1	HC_vs_MS.Trt_F
SEMA4F	0.0883	0.52567	0.592	0.52	1	HC_vs_MS.Trt_F
PSTK	0.0884	-0.3397	0.416	0.35	1	HC_vs_MS.Trt_F
ZNF197	0.0884	-0.3882	0.538	0.47	1	HC_vs_MS.Trt_F
RNF165	0.08852	0.55988	0.54	0.46	1	HC_vs_MS.Trt_F
KIAA0040	0.08854	0.54007	0.211	0.16	1	HC_vs_MS.Trt_F
ZNF32	0.08855	1.59352	0.107	0.07	1	HC_vs_MS.Trt_F
ANKEF1	0.08861	-1.1013	0.269	0.2	1	HC_vs_MS.Trt_F
MCM3AP	0.08862	0.41532	0.546	0.45	1	HC_vs_MS.Trt_F
COQ4	0.08887	0.39044	0.922	0.87	1	HC_vs_MS.Trt_F
FARS2	0.08898	1.3701	0.127	0.09	1	HC_vs_MS.Trt_F
2-Mar	0.08905	-0.3399	0.636	0.56	1	HC_vs_MS.Trt_F
TEFM	0.08905	0.29927	0.763	0.7	1	HC_vs_MS.Trt_F
MAP3K2	0.08927	0.5621	0.301	0.24	1	HC_vs_MS.Trt_F
ANKUB1	0.08941	0.28703	0.491	0.41	1	HC_vs_MS.Trt_F
ALDH8A1	0.08973	0.42743	0.59	0.53	1	HC_vs_MS.Trt_F
CHCHD5	0.08975	0.79813	0.532	0.45	1	HC_vs_MS.Trt_F
DFFB	0.0898	-0.4311	0.882	0.83	1	HC_vs_MS.Trt_F

TXLNG	0.08985	0.3483	0.139	0.09	1	HC_vs_MS.Trt_F
TRIM45	0.08992	0.92203	0.156	0.11	1	HC_vs_MS.Trt_F
MMAB	0.08993	0.33807	0.717	0.64	1	HC_vs_MS.Trt_F
RNF24	0.08994	0.6328	0.581	0.53	1	HC_vs_MS.Trt_F
ZADH2	0.09026	-1.0501	0.861	0.82	1	HC_vs_MS.Trt_F
CAPNS1	0.09036	-0.2724	0.37	0.29	1	HC_vs_MS.Trt_F
ANO9	0.09037	0.38585	0.289	0.23	1	HC_vs_MS.Trt_F
TRIB2	0.09079	-0.8881	0.367	0.39	1	HC_vs_MS.Trt_F
ZNF28	0.09081	-0.8195	0.829	0.78	1	HC_vs_MS.Trt_F
IFI6	0.09099	-0.4817	0.341	0.37	1	HC_vs_MS.Trt_F
FANCG	0.09099	-0.8413	0.156	0.1	1	HC_vs_MS.Trt_F
KDM5B	0.09104	0.25436	0.327	0.37	1	HC_vs_MS.Trt_F
TSPOAP1	0.09145	0.7149	0.321	0.26	1	HC_vs_MS.Trt_F
AMT	0.09149	-0.7182	0.497	0.42	1	HC_vs_MS.Trt_F
IPO9	0.09156	-0.977	0.876	0.8	1	HC_vs_MS.Trt_F
NFRKB	0.09162	0.29811	0.185	0.13	1	HC_vs_MS.Trt_F
WFDC11	0.09191	0.41414	0.289	0.23	1	HC_vs_MS.Trt_F
WDR90	0.09204	-0.4528	0.916	0.88	1	HC_vs_MS.Trt_F
KAT14	0.0921	-1.1246	0.072	0.11	1	HC_vs_MS.Trt_F
LRRC14	0.09223	0.65681	0.121	0.08	1	HC_vs_MS.Trt_F
CCT6B	0.09253	0.65419	0.312	0.25	1	HC_vs_MS.Trt_F
TMEM129	0.09269	0.44104	0.107	0.07	1	HC_vs_MS.Trt_F
NIT2	0.09274	0.38974	0.676	0.58	1	HC_vs_MS.Trt_F
CMTR1	0.09276	0.98664	0.208	0.16	1	HC_vs_MS.Trt_F
MTO1	0.09303	-0.2697	0.988	0.98	1	HC_vs_MS.Trt_F
WBSCR22	0.09313	0.25873	0.789	0.75	1	HC_vs_MS.Trt_F
MOB2	0.09335	-0.5953	0.101	0.14	1	HC_vs_MS.Trt_F
CSRNP2	0.09355	-0.2999	0.139	0.09	1	HC_vs_MS.Trt_F
NUP205	0.09367	0.86986	0.202	0.15	1	HC_vs_MS.Trt_F
LIN54	0.09369	-0.3917	0.653	0.57	1	HC_vs_MS.Trt_F
TADA2A	0.09374	-0.3022	0.919	0.91	1	HC_vs_MS.Trt_F
RAB26	0.09379	0.5126	0.179	0.13	1	HC_vs_MS.Trt_F
SPINK9	0.09389	0.5936	0.688	0.59	1	HC_vs_MS.Trt_F
TMX2	0.09423	0.28651	0.165	0.12	1	HC_vs_MS.Trt_F
IQCK	0.09546	-0.3929	0.231	0.18	1	HC_vs_MS.Trt_F
GGT1	0.09555	1.27037	0.156	0.11	1	HC_vs_MS.Trt_F
RP11-111M1	0.09563	0.26353	0.908	0.86	1	HC_vs_MS.Trt_F
ZNF7	0.09573	0.47207	0.934	0.95	1	HC_vs_MS.Trt_F
RCOR1	0.0959	0.55957	0.225	0.17	1	HC_vs_MS.Trt_F
MAP2K3	0.09593	0.55873	0.194	0.14	1	HC_vs_MS.Trt_F



LAMP1	0.09597	1.22074	0.41	0.35	1	HC_vs_MS.Trt_F
AGTRAP	0.09618	0.31396	0.179	0.13	1	HC_vs_MS.Trt_F
EFL1	0.09622	-0.9544	0.11	0.15	1	HC_vs_MS.Trt_F
ANKRD10	0.09627	-0.407	0.717	0.73	1	HC_vs_MS.Trt_F
FCRL1	0.09634	0.73954	0.318	0.26	1	HC_vs_MS.Trt_F
TTC9C	0.09641	0.25825	0.387	0.31	1	HC_vs_MS.Trt_F
ZNF43	0.09655	-0.7394	0.772	0.77	1	HC_vs_MS.Trt_F
AQP3	0.09685	0.27351	0.332	0.27	1	HC_vs_MS.Trt_F
LSM6	0.09719	0.399	0.162	0.12	1	HC_vs_MS.Trt_F
MRPS11	0.09743	0.55221	0.751	0.7	1	HC_vs_MS.Trt_F
EPT1	0.09747	0.56864	0.431	0.36	1	HC_vs_MS.Trt_F
GRAMD1A	0.0975	-0.4063	0.699	0.65	1	HC_vs_MS.Trt_F
KCNRG	0.09755	0.45455	0.425	0.35	1	HC_vs_MS.Trt_F
RBFA	0.09757	0.54418	0.364	0.3	1	HC_vs_MS.Trt_F
NUDT22	0.0976	-1.2245	0.676	0.72	1	HC_vs_MS.Trt_F
MREG	0.09761	0.49181	0.668	0.6	1	HC_vs_MS.Trt_F
CD226	0.09771	0.67313	0.595	0.52	1	HC_vs_MS.Trt_F
ZNF609	0.09773	0.43014	0.621	0.57	1	HC_vs_MS.Trt_F
SGK3	0.09791	0.44911	0.951	0.87	1	HC_vs_MS.Trt_F
GTPBP2	0.09808	-0.5094	0.572	0.63	1	HC_vs_MS.Trt_F
PCGF3	0.09824	0.27647	0.228	0.17	1	HC_vs_MS.Trt_F
SACS	0.09845	0.66826	0.153	0.11	1	HC_vs_MS.Trt_F
NONO	0.09847	0.28698	0.705	0.64	1	HC_vs_MS.Trt_F
MED25	0.09882	0.46385	0.52	0.47	1	HC_vs_MS.Trt_F
TBC1D19	0.09885	0.37965	0.153	0.11	1	HC_vs_MS.Trt_F
KDELC2	0.09892	-0.4761	0.65	0.59	1	HC_vs_MS.Trt_F
MAN2A2	0.099	0.27137	0.364	0.31	1	HC_vs_MS.Trt_F
SNED1	0.09906	0.56016	0.197	0.14	1	HC_vs_MS.Trt_F
PRKCZ	0.09909	0.74539	0.301	0.24	1	HC_vs_MS.Trt_F
SORBS2	0.09911	0.29738	0.665	0.6	1	HC_vs_MS.Trt_F
EHMT2	0.09923	0.45047	0.699	0.6	1	HC_vs_MS.Trt_F
PGGHG	0.09953	0.86391	0.176	0.13	1	HC_vs_MS.Trt_F
PSD3	0.0996	0.5139	0.373	0.31	1	HC_vs_MS.Trt_F
SRBD1	0.09964	-1.8069	0.46	0.36	1	HC_vs_MS.Trt_F
SF3B5	0.0997	0.80942	0.142	0.1	1	HC_vs_MS.Trt_F
FGD4	0.09971	0.84166	0.861	0.76	1	HC_vs_MS.Trt_F
RAD51	0.09976	-0.5076	0.512	0.46	1	HC_vs_MS.Trt_F
SLC25A36	0.09998	0.51226	0.176	0.13	1	HC_vs_MS.Trt_F
PEX13	0.10005	-1.0184	0.783	0.8	1	HC_vs_MS.Trt_F
VPS8	0.10021	-0.5586	0.691	0.6	1	HC_vs_MS.Trt_F

ZNF225	0.10029	0.27653	0.855	0.75	1	HC_vs_MS.Trt_F
PEBP1	0.10034	0.27375	0.434	0.39	1	HC_vs_MS.Trt_F
COPS7A	0.10039	0.79122	0.286	0.23	1	HC_vs_MS.Trt_F
CPNE1	0.1007	-0.5824	0.523	0.52	1	HC_vs_MS.Trt_F
SPTLC1	0.10089	-0.2598	0.763	0.69	1	HC_vs_MS.Trt_F
ARL5B	0.10095	1.25745	0.153	0.11	1	HC_vs_MS.Trt_F
AEBP2	0.10116	-0.9181	0.754	0.69	1	HC_vs_MS.Trt_F
FBXO11	0.10137	0.30463	0.526	0.45	1	HC_vs_MS.Trt_F
IL17RA	0.1015	0.3223	0.72	0.66	1	HC_vs_MS.Trt_F
LRPAP1	0.10154	-0.4557	0.887	0.84	1	HC_vs_MS.Trt_F
PNPLA8	0.10156	0.46718	0.468	0.4	1	HC_vs_MS.Trt_F
MCF2L	0.1016	1.10453	0.37	0.3	1	HC_vs_MS.Trt_F
ZNF84	0.10168	-0.7633	0.312	0.25	1	HC_vs_MS.Trt_F
GABBR1	0.10176	0.6812	0.208	0.16	1	HC_vs_MS.Trt_F
TMEM167B	0.10194	0.64411	0.792	0.77	1	HC_vs_MS.Trt_F
PPP1R1C	0.10214	0.34354	0.286	0.23	1	HC_vs_MS.Trt_F
FANCI	0.10218	-0.3035	0.538	0.61	1	HC_vs_MS.Trt_F
POLR2L	0.10222	0.31411	0.321	0.26	1	HC_vs_MS.Trt_F
CCDC94	0.10229	0.69393	0.194	0.14	1	HC_vs_MS.Trt_F
SIKE1	0.10232	-0.4246	0.523	0.45	1	HC_vs_MS.Trt_F
GID8	0.10234	0.34128	0.191	0.14	1	HC_vs_MS.Trt_F
FN1	0.10252	-0.4803	0.5	0.4	1	HC_vs_MS.Trt_F
TRAK1	0.10256	0.68043	0.136	0.09	1	HC_vs_MS.Trt_F
TMSB15B	0.1026	0.63365	0.361	0.3	1	HC_vs_MS.Trt_F
SRSF8	0.10274	-0.7997	0.671	0.69	1	HC_vs_MS.Trt_F
ZNF528	0.10289	0.58421	0.65	0.58	1	HC_vs_MS.Trt_F
PPRC1	0.10292	0.47363	0.165	0.12	1	HC_vs_MS.Trt_F
OAZ1	0.10301	-0.299	0.803	0.78	1	HC_vs_MS.Trt_F
C12orf40	0.10314	0.63973	0.298	0.24	1	HC_vs_MS.Trt_F
FAM117B	0.10354	0.42253	0.474	0.41	1	HC_vs_MS.Trt_F
BAG4	0.1037	-0.4847	0.223	0.17	1	HC_vs_MS.Trt_F
CCND2	0.10378	-0.6634	0.465	0.52	1	HC_vs_MS.Trt_F
FAM53C	0.10394	0.64254	0.841	0.79	1	HC_vs_MS.Trt_F
RNF170	0.10404	0.34778	0.642	0.55	1	HC_vs_MS.Trt_F
CIR1	0.10404	0.31812	0.746	0.71	1	HC_vs_MS.Trt_F
VPS37A	0.10407	0.97184	0.191	0.14	1	HC_vs_MS.Trt_F
SLC35B4	0.10465	0.61563	0.587	0.53	1	HC_vs_MS.Trt_F
KIAA1468	0.10465	0.34468	0.361	0.3	1	HC_vs_MS.Trt_F
KRTCAP2	0.10466	-0.262	0.832	0.78	1	HC_vs_MS.Trt_F
EEFSEC	0.10497	1.13744	0.13	0.09	1	HC_vs_MS.Trt_F

EMCN	0.10511	0.77811	0.509	0.45	1	HC_vs_MS.Trt_F
P2RY8	0.10514	0.36496	0.434	0.37	1	HC_vs_MS.Trt_F
EZH2	0.10516	0.36975	0.185	0.13	1	HC_vs_MS.Trt_F
SNAP47	0.10519	0.36723	0.171	0.12	1	HC_vs_MS.Trt_F
8-Mar	0.10521	0.55345	0.413	0.34	1	HC_vs_MS.Trt_F
MYO1C	0.10532	-0.9374	0.269	0.2	1	HC_vs_MS.Trt_F
HBG2	0.10538	0.31347	0.454	0.41	1	HC_vs_MS.Trt_F
HEXA	0.10544	-0.4353	0.818	0.7	1	HC_vs_MS.Trt_F
EMILIN2	0.10577	-0.4958	0.48	0.42	1	HC_vs_MS.Trt_F
PATL2	0.10671	0.38518	0.431	0.35	1	HC_vs_MS.Trt_F
ABL2	0.10674	0.62105	0.803	0.73	1	HC_vs_MS.Trt_F
NDUFB2	0.1068	-0.4344	0.939	0.93	1	HC_vs_MS.Trt_F
ORAI3	0.10696	-1.0407	0.098	0.14	1	HC_vs_MS.Trt_F
PEF1	0.10718	0.31768	0.211	0.16	1	HC_vs_MS.Trt_F
FUK	0.10721	-0.551	0.616	0.53	1	HC_vs_MS.Trt_F
ACSS3	0.1073	0.36232	0.298	0.25	1	HC_vs_MS.Trt_F
DUS4L	0.10755	-0.6787	0.087	0.12	1	HC_vs_MS.Trt_F
MCRS1	0.1079	0.31907	0.217	0.16	1	HC_vs_MS.Trt_F
FAR2	0.10808	0.30403	0.237	0.19	1	HC_vs_MS.Trt_F
RPTOR	0.10816	0.29433	0.393	0.34	1	HC_vs_MS.Trt_F
MROH1	0.10868	0.4937	0.604	0.55	1	HC_vs_MS.Trt_F
MIEF2	0.10871	0.80042	0.54	0.46	1	HC_vs_MS.Trt_F
CRLF2	0.10885	1.27766	0.37	0.3	1	HC_vs_MS.Trt_F
SPIDR	0.10912	0.57743	0.361	0.31	1	HC_vs_MS.Trt_F
FOXO3	0.10936	-0.7839	0.396	0.42	1	HC_vs_MS.Trt_F
DRG2	0.10937	0.635	0.234	0.18	1	HC_vs_MS.Trt_F
ERO1B	0.10949	0.75407	0.133	0.09	1	HC_vs_MS.Trt_F
RBBP8	0.1097	0.36471	0.142	0.1	1	HC_vs_MS.Trt_F
CDAN1	0.10975	0.65952	0.529	0.55	1	HC_vs_MS.Trt_F
PPP1R12B	0.10991	1.12762	0.803	0.72	1	HC_vs_MS.Trt_F
ZC3H7B	0.11007	0.86285	0.853	0.77	1	HC_vs_MS.Trt_F
PSMD13	0.1101	-0.4017	0.54	0.6	1	HC_vs_MS.Trt_F
ZNF324	0.11013	-0.6356	0.066	0.1	1	HC_vs_MS.Trt_F
MDH2	0.11014	-0.306	0.269	0.2	1	HC_vs_MS.Trt_F
HEATR6	0.11028	0.34062	0.607	0.53	1	HC_vs_MS.Trt_F
ZAP70	0.11059	0.31161	0.494	0.44	1	HC_vs_MS.Trt_F
SMARCA2	0.11069	0.45769	0.477	0.41	1	HC_vs_MS.Trt_F
LANCL2	0.11074	0.2918	0.185	0.14	1	HC_vs_MS.Trt_F
NVL	0.11097	-0.6615	0.835	0.74	1	HC_vs_MS.Trt_F
PPP2R5E	0.11111	0.36845	0.269	0.21	1	HC_vs_MS.Trt_F

JMJD6	0.11148	0.50117	0.494	0.42	1	HC_vs_MS.Trt_F
SNX13	0.11149	0.55527	0.324	0.26	1	HC_vs_MS.Trt_F
NET1	0.11157	0.39628	0.147	0.1	1	HC_vs_MS.Trt_F
SLC8B1	0.11168	0.31097	0.538	0.45	1	HC_vs_MS.Trt_F
C6orf106	0.11117	0.30825	0.165	0.12	1	HC_vs_MS.Trt_F
TRAPPC2B	0.11189	0.41881	0.436	0.37	1	HC_vs_MS.Trt_F
PAIP2	0.11203	-0.3697	0.607	0.67	1	HC_vs_MS.Trt_F
PWP2	0.11216	0.37662	0.124	0.09	1	HC_vs_MS.Trt_F
NXT1	0.1124	0.40917	0.118	0.08	1	HC_vs_MS.Trt_F
ZNF596	0.11254	-0.7699	0.512	0.45	1	HC_vs_MS.Trt_F
ACSL3	0.11278	0.42555	0.162	0.12	1	HC_vs_MS.Trt_F
MAP3K9	0.11291	-0.4104	0.474	0.42	1	HC_vs_MS.Trt_F
JKAMP	0.11294	0.30808	0.847	0.8	1	HC_vs_MS.Trt_F
AREL1	0.11318	0.51963	0.52	0.45	1	HC_vs_MS.Trt_F
VASP	0.11357	0.3053	0.645	0.57	1	HC_vs_MS.Trt_F
NAV2	0.11365	1.07582	0.408	0.44	1	HC_vs_MS.Trt_F
PXDN	0.1138	1.00555	0.26	0.2	1	HC_vs_MS.Trt_F
KLK2	0.11385	0.34461	0.379	0.3	1	HC_vs_MS.Trt_F
APOL2	0.11395	-0.6098	0.523	0.57	1	HC_vs_MS.Trt_F
MAML1	0.11403	0.54189	0.208	0.16	1	HC_vs_MS.Trt_F
BCAS1	0.11405	0.8609	0.425	0.35	1	HC_vs_MS.Trt_F
ETNK2	0.11409	0.3578	0.249	0.2	1	HC_vs_MS.Trt_F
TMEM9	0.11424	0.33487	0.133	0.09	1	HC_vs_MS.Trt_F
RMND5B	0.11427	0.658	0.682	0.61	1	HC_vs_MS.Trt_F
USP49	0.11431	0.26157	0.694	0.75	1	HC_vs_MS.Trt_F
BEST1	0.11512	0.30308	0.861	0.81	1	HC_vs_MS.Trt_F
LARGE1	0.11514	0.35086	0.613	0.55	1	HC_vs_MS.Trt_F
CCDC85C	0.11527	0.43249	0.477	0.42	1	HC_vs_MS.Trt_F
MSL1	0.11537	-0.5398	0.624	0.53	1	HC_vs_MS.Trt_F
SLC2A13	0.11547	0.42745	0.332	0.27	1	HC_vs_MS.Trt_F
BAZ1B	0.11559	0.30601	0.197	0.14	1	HC_vs_MS.Trt_F
PPP1R16A	0.11569	0.25589	0.477	0.41	1	HC_vs_MS.Trt_F
MRM3	0.1157	0.62969	0.347	0.3	1	HC_vs_MS.Trt_F
PLD6	0.11599	-0.4698	0.477	0.41	1	HC_vs_MS.Trt_F
TMC6	0.11607	-0.4128	0.766	0.81	1	HC_vs_MS.Trt_F
BUB3	0.11609	-0.7213	0.668	0.66	1	HC_vs_MS.Trt_F
CHMP7	0.11613	-0.4379	0.465	0.51	1	HC_vs_MS.Trt_F
CXCR3	0.11615	0.77422	0.228	0.18	1	HC_vs_MS.Trt_F
THAP3	0.11624	0.37718	0.145	0.1	1	HC_vs_MS.Trt_F
DNAJC21	0.11629	0.28582	0.428	0.38	1	HC_vs_MS.Trt_F

CDK13	0.11638	-0.4545	0.908	0.84	1	HC_vs_MS.Trt_F
ADARB1	0.11639	0.95219	0.263	0.21	1	HC_vs_MS.Trt_F
BRPF3	0.11655	-0.5067	0.066	0.1	1	HC_vs_MS.Trt_F
HYAL4	0.11657	0.42147	0.549	0.46	1	HC_vs_MS.Trt_F
HMGCS1	0.11658	0.32445	0.592	0.56	1	HC_vs_MS.Trt_F
HDAC10	0.11683	1.4423	0.179	0.13	1	HC_vs_MS.Trt_F
PRAF2	0.11691	0.35826	0.136	0.09	1	HC_vs_MS.Trt_F
NUP153	0.11701	0.70996	0.249	0.19	1	HC_vs_MS.Trt_F
CHST14	0.1171	-0.6	0.303	0.25	1	HC_vs_MS.Trt_F
ITGA2B	0.1172	0.48754	0.471	0.41	1	HC_vs_MS.Trt_F
ERBB3	0.11726	-0.2681	0.803	0.72	1	HC_vs_MS.Trt_F
METTL3	0.11727	-0.2948	0.679	0.6	1	HC_vs_MS.Trt_F
EXD2	0.11739	-1.9529	0.275	0.21	1	HC_vs_MS.Trt_F
NICN1	0.11747	0.37257	0.876	0.78	1	HC_vs_MS.Trt_F
ST6GALNAC	0.11748	0.70898	0.257	0.21	1	HC_vs_MS.Trt_F
FAM174B	0.11763	1.25098	0.173	0.13	1	HC_vs_MS.Trt_F
ZNF497	0.11772	0.25205	0.353	0.29	1	HC_vs_MS.Trt_F
MRPL34	0.11777	-0.6396	0.329	0.26	1	HC_vs_MS.Trt_F
ADIPOR2	0.11789	-0.3945	0.159	0.2	1	HC_vs_MS.Trt_F
AURKA	0.11795	-0.5479	0.358	0.31	1	HC_vs_MS.Trt_F
METTL2B	0.11797	0.32747	0.988	0.96	1	HC_vs_MS.Trt_F
RNF220	0.11822	0.38965	0.699	0.6	1	HC_vs_MS.Trt_F
SELL	0.11825	-0.4388	0.546	0.55	1	HC_vs_MS.Trt_F
MBNL3	0.11827	0.35997	0.15	0.11	1	HC_vs_MS.Trt_F
DTNB	0.1183	0.46801	0.214	0.17	1	HC_vs_MS.Trt_F
GATB	0.11835	1.53621	0.292	0.24	1	HC_vs_MS.Trt_F
LRRC32	0.1184	1.62954	0.101	0.07	1	HC_vs_MS.Trt_F
TFAM	0.11878	0.2672	0.321	0.26	1	HC_vs_MS.Trt_F
RBM41	0.11878	0.30412	0.428	0.35	1	HC_vs_MS.Trt_F
VWA7	0.11927	0.80883	0.387	0.32	1	HC_vs_MS.Trt_F
ACTR5	0.1193	0.35053	0.168	0.12	1	HC_vs_MS.Trt_F
IRAK1	0.11964	0.2867	0.292	0.23	1	HC_vs_MS.Trt_F
ATRN	0.1199	0.72321	0.165	0.12	1	HC_vs_MS.Trt_F
C3orf33	0.11991	-0.5365	0.532	0.5	1	HC_vs_MS.Trt_F
TMEM53	0.12026	-0.573	0.364	0.29	1	HC_vs_MS.Trt_F
DNAJC19	0.12049	-0.3838	0.298	0.23	1	HC_vs_MS.Trt_F
WRAP73	0.12051	-0.2738	0.37	0.3	1	HC_vs_MS.Trt_F
FRG1	0.12071	-0.6182	0.471	0.4	1	HC_vs_MS.Trt_F
PIM3	0.12102	0.77875	0.176	0.13	1	HC_vs_MS.Trt_F
METTL25	0.12114	0.38054	0.257	0.21	1	HC_vs_MS.Trt_F

ODC1	0.12121	0.38526	0.142	0.1	1	HC_vs_MS.Trt_F
THAP9	0.12139	0.45002	0.639	0.58	1	HC_vs_MS.Trt_F
HHLA3	0.12155	0.57979	0.355	0.3	1	HC_vs_MS.Trt_F
HSD17B11	0.12161	-0.438	0.532	0.45	1	HC_vs_MS.Trt_F
HMG20A	0.12168	0.28048	0.306	0.25	1	HC_vs_MS.Trt_F
TMPRSS4-AS1	0.12177	-0.3928	0.069	0.1	1	HC_vs_MS.Trt_F
NUTF2	0.12182	0.36327	0.22	0.17	1	HC_vs_MS.Trt_F
ZNF670	0.1222	1.18773	0.205	0.16	1	HC_vs_MS.Trt_F
YAF2	0.12225	-0.4794	0.769	0.69	1	HC_vs_MS.Trt_F
SBF1	0.12298	0.80111	0.22	0.17	1	HC_vs_MS.Trt_F
IFT43	0.12303	-0.4173	0.069	0.1	1	HC_vs_MS.Trt_F
FLYWCH1	0.12321	0.95219	0.832	0.76	1	HC_vs_MS.Trt_F
ZNF468	0.12326	-0.7027	0.529	0.46	1	HC_vs_MS.Trt_F
ZNF335	0.12379	0.90258	0.376	0.33	1	HC_vs_MS.Trt_F
ALG5	0.12384	-0.4046	0.442	0.48	1	HC_vs_MS.Trt_F
ATP6V0A2	0.12387	0.33889	0.971	0.95	1	HC_vs_MS.Trt_F
MED7	0.12421	-0.5608	0.081	0.12	1	HC_vs_MS.Trt_F
GAMT	0.1243	0.57235	0.63	0.54	1	HC_vs_MS.Trt_F
KLF15	0.12439	0.31093	0.217	0.18	1	HC_vs_MS.Trt_F
PRPF4	0.1246	-0.3484	0.361	0.3	1	HC_vs_MS.Trt_F
LMF1	0.12527	0.77831	0.156	0.12	1	HC_vs_MS.Trt_F
HMGXB3	0.12566	0.84693	0.223	0.17	1	HC_vs_MS.Trt_F
VAC14	0.12573	0.7045	0.133	0.09	1	HC_vs_MS.Trt_F
HSD17B1	0.12587	0.46224	0.751	0.77	1	HC_vs_MS.Trt_F
FAM208B	0.1259	-0.64	0.35	0.28	1	HC_vs_MS.Trt_F
STOML2	0.12614	0.359	0.179	0.13	1	HC_vs_MS.Trt_F
EML3	0.12614	0.66604	0.269	0.22	1	HC_vs_MS.Trt_F
DDI2	0.12626	0.36933	0.812	0.77	1	HC_vs_MS.Trt_F
PARD6G	0.12641	-0.4062	0.59	0.51	1	HC_vs_MS.Trt_F
CHD6	0.12641	-0.3542	0.251	0.19	1	HC_vs_MS.Trt_F
RP11-307N1	0.12652	0.41358	0.116	0.08	1	HC_vs_MS.Trt_F
FLYWCH2	0.1266	1.11421	0.107	0.07	1	HC_vs_MS.Trt_F
SSH3	0.12694	1.1673	0.107	0.07	1	HC_vs_MS.Trt_F
TRAK2	0.12694	-0.3732	0.223	0.16	1	HC_vs_MS.Trt_F
LCMT2	0.12711	0.51444	0.723	0.67	1	HC_vs_MS.Trt_F
ZFPM2	0.12756	0.49968	0.442	0.41	1	HC_vs_MS.Trt_F
FBXL3	0.12759	0.78067	0.176	0.13	1	HC_vs_MS.Trt_F
DCTN3	0.1276	-0.6162	0.402	0.45	1	HC_vs_MS.Trt_F
CIAPIN1	0.12761	-0.718	0.098	0.13	1	HC_vs_MS.Trt_F
FAM76B	0.12762	0.46955	0.142	0.1	1	HC_vs_MS.Trt_F

NUSAP1	0.12771	0.45753	0.783	0.73	1	HC_vs_MS.Trt_F
UROS	0.12808	0.948	0.509	0.45	1	HC_vs_MS.Trt_F
HARS	0.12824	-0.5559	0.867	0.87	1	HC_vs_MS.Trt_F
FCRL2	0.1283	0.51376	0.723	0.62	1	HC_vs_MS.Trt_F
DDOST	0.12831	-0.2925	0.665	0.59	1	HC_vs_MS.Trt_F
PHF20L1	0.12845	-0.5453	0.662	0.67	1	HC_vs_MS.Trt_F
ALKBH2	0.12869	-0.6715	0.37	0.31	1	HC_vs_MS.Trt_F
CEACAM21	0.12883	-0.4895	0.275	0.31	1	HC_vs_MS.Trt_F
SLC18B1	0.129	1.39238	0.116	0.08	1	HC_vs_MS.Trt_F
PPP2R5C	0.12929	-0.4148	0.936	0.92	1	HC_vs_MS.Trt_F
GIMAP5	0.12942	-0.4705	0.292	0.34	1	HC_vs_MS.Trt_F
ZNF683	0.12951	0.98131	0.075	0.11	1	HC_vs_MS.Trt_F
KIAA0391	0.12953	0.32643	0.754	0.69	1	HC_vs_MS.Trt_F
ADH5	0.12976	-0.5865	0.555	0.45	1	HC_vs_MS.Trt_F
OPRD1	0.12981	0.35593	0.855	0.8	1	HC_vs_MS.Trt_F
ARFGAP3	0.13007	0.30052	0.376	0.33	1	HC_vs_MS.Trt_F
CASP4	0.13031	-0.6745	0.361	0.4	1	HC_vs_MS.Trt_F
PDE12	0.13064	-0.2515	0.919	0.86	1	HC_vs_MS.Trt_F
PLEKHH2	0.13078	0.76645	0.697	0.67	1	HC_vs_MS.Trt_F
TMEM138	0.1308	0.68946	0.867	0.81	1	HC_vs_MS.Trt_F
TMEM242	0.13108	0.62538	0.171	0.13	1	HC_vs_MS.Trt_F
ANGPTL4	0.13125	1.23884	0.35	0.28	1	HC_vs_MS.Trt_F
AIMP2	0.13129	-0.5772	0.358	0.29	1	HC_vs_MS.Trt_F
NR1D1	0.13141	0.52984	0.153	0.11	1	HC_vs_MS.Trt_F
ZKSCAN4	0.13153	-0.7398	0.572	0.49	1	HC_vs_MS.Trt_F
ABCF1	0.13162	0.38924	0.841	0.82	1	HC_vs_MS.Trt_F
MRPL42	0.13173	-0.5099	0.98	0.96	1	HC_vs_MS.Trt_F
TMEM62	0.13176	0.49649	0.277	0.22	1	HC_vs_MS.Trt_F
ADGRG2	0.1318	0.25454	0.665	0.59	1	HC_vs_MS.Trt_F
SKIV2L	0.13181	0.68451	0.185	0.14	1	HC_vs_MS.Trt_F
TDP2	0.13184	0.29137	0.156	0.12	1	HC_vs_MS.Trt_F
INPP5E	0.13198	-0.2866	0.312	0.25	1	HC_vs_MS.Trt_F
C17orf75	0.13214	-0.2829	0.864	0.83	1	HC_vs_MS.Trt_F
IQCB1	0.13219	0.80785	0.142	0.1	1	HC_vs_MS.Trt_F
DRC3	0.1322	0.45961	0.621	0.57	1	HC_vs_MS.Trt_F
CENPH	0.1322	-0.5068	0.324	0.26	1	HC_vs_MS.Trt_F
ZNF76	0.13232	0.45492	0.22	0.17	1	HC_vs_MS.Trt_F
SRCAP	0.13241	0.31731	0.705	0.62	1	HC_vs_MS.Trt_F
SMIM8	0.13246	-0.7579	0.685	0.6	1	HC_vs_MS.Trt_F
AP4S1	0.13255	0.4061	0.965	0.95	1	HC_vs_MS.Trt_F

ZNF281	0.13265	0.85764	0.133	0.09	1	HC_vs_MS.Trt_F
HMGXB4	0.13267	1.12609	0.156	0.12	1	HC_vs_MS.Trt_F
CCDC85B	0.13306	0.58405	0.153	0.11	1	HC_vs_MS.Trt_F
DNAJC9	0.13348	-0.8037	0.133	0.17	1	HC_vs_MS.Trt_F
GLO1	0.13349	0.40797	0.124	0.09	1	HC_vs_MS.Trt_F
RNF168	0.13367	-0.9922	0.592	0.57	1	HC_vs_MS.Trt_F
C1QTNF7	0.13386	0.44934	0.081	0.12	1	HC_vs_MS.Trt_F
TADA2B	0.13395	0.8373	0.361	0.3	1	HC_vs_MS.Trt_F
ZNF552	0.13402	0.49292	0.486	0.43	1	HC_vs_MS.Trt_F
GRAMD4	0.13404	1.1572	0.104	0.07	1	HC_vs_MS.Trt_F
ARL5C	0.13405	0.37703	0.451	0.38	1	HC_vs_MS.Trt_F
CSNK1A1	0.13434	-0.4345	0.841	0.89	1	HC_vs_MS.Trt_F
CRYZL1	0.1344	-0.3206	0.965	0.95	1	HC_vs_MS.Trt_F
MEF2A	0.13462	-0.5089	0.572	0.5	1	HC_vs_MS.Trt_F
NBR1	0.13472	0.31493	0.832	0.78	1	HC_vs_MS.Trt_F
ZSWIM8	0.13474	0.37092	0.838	0.83	1	HC_vs_MS.Trt_F
TMEM108	0.13515	1.11021	0.367	0.31	1	HC_vs_MS.Trt_F
PRRG1	0.13528	0.44113	0.251	0.19	1	HC_vs_MS.Trt_F
CMTR2	0.1353	0.32232	0.321	0.27	1	HC_vs_MS.Trt_F
CHMP2A	0.13569	0.25432	0.199	0.15	1	HC_vs_MS.Trt_F
ARMC5	0.13576	-0.4935	0.162	0.12	1	HC_vs_MS.Trt_F
PRPS1	0.13581	0.47864	0.162	0.12	1	HC_vs_MS.Trt_F
GNLY	0.13584	0.50616	0.312	0.25	1	HC_vs_MS.Trt_F
KIAA0825	0.13633	-0.3873	0.361	0.3	1	HC_vs_MS.Trt_F
TOM1L2	0.13643	0.26596	0.257	0.2	1	HC_vs_MS.Trt_F
ATF5	0.13689	-0.4088	0.341	0.26	1	HC_vs_MS.Trt_F
TSC22D1	0.13708	-0.261	0.116	0.08	1	HC_vs_MS.Trt_F
RYK	0.13722	1.00326	0.118	0.08	1	HC_vs_MS.Trt_F
CAPN5	0.13734	0.35529	0.309	0.25	1	HC_vs_MS.Trt_F
RP5-1022E2	0.1377	-0.5549	0.113	0.15	1	HC_vs_MS.Trt_F
SLAMF6	0.138	-0.3394	0.549	0.47	1	HC_vs_MS.Trt_F
AMY2B	0.13815	0.31962	0.607	0.66	1	HC_vs_MS.Trt_F
CYP46A1	0.13852	-0.6417	0.63	0.55	1	HC_vs_MS.Trt_F
RNF6	0.13904	-0.8068	0.162	0.2	1	HC_vs_MS.Trt_F
POLR3B	0.13904	0.62687	0.182	0.14	1	HC_vs_MS.Trt_F
ACSL1	0.13906	-0.2981	0.28	0.23	1	HC_vs_MS.Trt_F
ZNF316	0.1392	-0.5109	0.627	0.53	1	HC_vs_MS.Trt_F
WARS2	0.13931	0.29066	0.11	0.08	1	HC_vs_MS.Trt_F
EXOSC3	0.14013	0.66057	0.465	0.39	1	HC_vs_MS.Trt_F
ATG13	0.14035	-0.3299	0.89	0.8	1	HC_vs_MS.Trt_F



WDR83OS	0.14035	0.27727	0.231	0.18	1	HC_vs_MS.Trt_F
TSEN34	0.14038	0.59007	0.159	0.21	1	HC_vs_MS.Trt_F
C5orf22	0.14067	-0.5596	0.355	0.29	1	HC_vs_MS.Trt_F
PEX11B	0.14096	0.60897	0.159	0.12	1	HC_vs_MS.Trt_F
SAP130	0.14107	0.39977	0.194	0.15	1	HC_vs_MS.Trt_F
MEI1	0.14114	0.36411	0.734	0.69	1	HC_vs_MS.Trt_F
XRCC3	0.14123	0.32553	0.514	0.45	1	HC_vs_MS.Trt_F
CD82	0.14126	0.27952	0.717	0.65	1	HC_vs_MS.Trt_F
POFUT2	0.14168	0.94058	0.104	0.07	1	HC_vs_MS.Trt_F
CHFR	0.14172	-0.4966	0.942	0.94	1	HC_vs_MS.Trt_F
CCDC18	0.14175	0.42839	0.249	0.2	1	HC_vs_MS.Trt_F
RCOR3	0.14175	0.29397	0.48	0.4	1	HC_vs_MS.Trt_F
TM9SF1	0.14191	-0.8204	0.318	0.26	1	HC_vs_MS.Trt_F
ARF3	0.14195	0.28129	0.228	0.18	1	HC_vs_MS.Trt_F
ZNF589	0.142	-0.3439	0.538	0.45	1	HC_vs_MS.Trt_F
TMA7	0.14219	-0.6496	0.601	0.58	1	HC_vs_MS.Trt_F
ERCC6L2	0.14226	-0.438	0.234	0.18	1	HC_vs_MS.Trt_F
RBPMS	0.14234	0.36801	0.199	0.16	1	HC_vs_MS.Trt_F
GCC2	0.14252	-0.3603	0.803	0.75	1	HC_vs_MS.Trt_F
SLC39A4	0.14276	0.40764	0.393	0.33	1	HC_vs_MS.Trt_F
DENND3	0.14279	1.13818	0.564	0.49	1	HC_vs_MS.Trt_F
ALG6	0.14324	-0.7652	0.147	0.18	1	HC_vs_MS.Trt_F
CNOT9	0.1436	-0.4866	0.746	0.75	1	HC_vs_MS.Trt_F
STK26	0.14383	0.63885	0.147	0.11	1	HC_vs_MS.Trt_F
CEP68	0.14385	-0.5731	0.598	0.51	1	HC_vs_MS.Trt_F
1-Mar	0.14394	0.36193	0.344	0.28	1	HC_vs_MS.Trt_F
SMARCD1	0.14432	0.98188	0.139	0.1	1	HC_vs_MS.Trt_F
MAPT	0.14435	0.50189	0.746	0.67	1	HC_vs_MS.Trt_F
PFKFB2	0.14454	-1.1358	0.225	0.28	1	HC_vs_MS.Trt_F
TPD52L1	0.14459	0.47405	0.769	0.73	1	HC_vs_MS.Trt_F
SPEF2	0.14481	0.88853	0.595	0.54	1	HC_vs_MS.Trt_F
PLEK	0.145	-0.6334	0.084	0.12	1	HC_vs_MS.Trt_F
CAPRN2	0.14515	0.85403	0.757	0.67	1	HC_vs_MS.Trt_F
RUFY2	0.14515	-0.6496	0.592	0.48	1	HC_vs_MS.Trt_F
ZFAND4	0.14533	-0.6104	0.523	0.44	1	HC_vs_MS.Trt_F
WASH1	0.1455	0.28497	0.266	0.22	1	HC_vs_MS.Trt_F
IDNK	0.14558	-0.4331	0.454	0.37	1	HC_vs_MS.Trt_F
MARVELD3	0.14564	0.28991	0.91	0.85	1	HC_vs_MS.Trt_F
MED23	0.14577	-0.3471	0.266	0.21	1	HC_vs_MS.Trt_F
CC2D2A	0.14587	0.71177	0.257	0.21	1	HC_vs_MS.Trt_F

C19orf12	0.14603	0.51769	0.434	0.36	1	HC_vs_MS.Trt_F
ZC3H14	0.14606	-0.3715	0.957	0.94	1	HC_vs_MS.Trt_F
HID1	0.14619	0.25219	0.168	0.21	1	HC_vs_MS.Trt_F
TFEB	0.14622	-0.5016	0.486	0.5	1	HC_vs_MS.Trt_F
PRF1	0.14673	-0.4491	0.223	0.26	1	HC_vs_MS.Trt_F
MNT	0.14676	0.38346	0.711	0.62	1	HC_vs_MS.Trt_F
PTPA	0.14683	0.28871	0.795	0.73	1	HC_vs_MS.Trt_F
CHCHD3	0.14684	0.26823	0.173	0.13	1	HC_vs_MS.Trt_F
BTD	0.14707	0.60256	0.136	0.1	1	HC_vs_MS.Trt_F
MTA1	0.14709	0.32494	0.445	0.39	1	HC_vs_MS.Trt_F
FASTK	0.14711	0.28558	0.188	0.14	1	HC_vs_MS.Trt_F
KIF21A	0.14726	0.50145	0.22	0.17	1	HC_vs_MS.Trt_F
MRPS7	0.14741	0.27878	0.601	0.52	1	HC_vs_MS.Trt_F
ZC3H4	0.14755	-0.4478	0.341	0.37	1	HC_vs_MS.Trt_F
ZNF551	0.14777	0.47763	0.543	0.49	1	HC_vs_MS.Trt_F
FBXO18	0.1478	-0.3786	0.448	0.38	1	HC_vs_MS.Trt_F
WWC3	0.14781	-0.3381	0.462	0.39	1	HC_vs_MS.Trt_F
NPHP1	0.14793	0.30182	0.746	0.68	1	HC_vs_MS.Trt_F
MAPK9	0.14891	-1.0156	0.509	0.46	1	HC_vs_MS.Trt_F
TMUB1	0.14893	0.56158	0.139	0.1	1	HC_vs_MS.Trt_F
CCR2	0.14926	0.84059	0.153	0.12	1	HC_vs_MS.Trt_F
SDF2L1	0.14938	-0.6053	0.136	0.17	1	HC_vs_MS.Trt_F
SGPP2	0.14943	0.41783	0.399	0.34	1	HC_vs_MS.Trt_F
C3orf70	0.14972	0.32058	0.801	0.73	1	HC_vs_MS.Trt_F
NEK9	0.15013	0.28	0.913	0.9	1	HC_vs_MS.Trt_F
GRAMD3	0.15017	0.90146	0.757	0.68	1	HC_vs_MS.Trt_F
NEK6	0.15034	-0.3176	0.162	0.12	1	HC_vs_MS.Trt_F
ZC3H12C	0.15043	0.40637	0.133	0.1	1	HC_vs_MS.Trt_F
PACRGL	0.15057	0.83059	0.312	0.26	1	HC_vs_MS.Trt_F
GNA11	0.15099	0.30733	0.572	0.5	1	HC_vs_MS.Trt_F
KATNBL1	0.15112	-0.4529	0.931	0.92	1	HC_vs_MS.Trt_F
SUV39H2	0.15116	0.41451	0.488	0.4	1	HC_vs_MS.Trt_F
PPP6R3	0.15119	-0.3138	0.486	0.52	1	HC_vs_MS.Trt_F
JMJD7	0.15132	0.36381	0.171	0.13	1	HC_vs_MS.Trt_F
SLC4A7	0.15136	-0.4475	0.295	0.34	1	HC_vs_MS.Trt_F
LSM5	0.15137	-0.3321	0.561	0.5	1	HC_vs_MS.Trt_F
AMDHD2	0.15149	1.16764	0.121	0.09	1	HC_vs_MS.Trt_F
CEP104	0.15164	0.69271	0.734	0.71	1	HC_vs_MS.Trt_F
MXRA7	0.15171	0.34809	0.795	0.76	1	HC_vs_MS.Trt_F
ERCC6L	0.15213	-1.5013	0.107	0.14	1	HC_vs_MS.Trt_F

TRMT5	0.15219	-0.6227	0.165	0.21	1	HC_vs_MS.Trt_F
PPIL2	0.15236	0.28265	0.454	0.39	1	HC_vs_MS.Trt_F
ZNF260	0.15237	-0.3617	0.627	0.53	1	HC_vs_MS.Trt_F
CLSTN1	0.1524	0.26409	0.188	0.14	1	HC_vs_MS.Trt_F
VCPIP1	0.15249	-0.3246	0.439	0.37	1	HC_vs_MS.Trt_F
AC013264.1	0.15252	-0.5078	0.402	0.45	1	HC_vs_MS.Trt_F
RGS12	0.15261	0.78399	0.887	0.86	1	HC_vs_MS.Trt_F
CCDC120	0.15272	1.14162	0.587	0.51	1	HC_vs_MS.Trt_F
CD200	0.15278	-1.0287	0.662	0.7	1	HC_vs_MS.Trt_F
SIRT3	0.15294	1.20462	0.318	0.37	1	HC_vs_MS.Trt_F
SSFA2	0.15302	0.90916	0.191	0.14	1	HC_vs_MS.Trt_F
FADS2	0.15305	0.46287	0.59	0.53	1	HC_vs_MS.Trt_F
ZNF649	0.15319	0.42676	0.205	0.16	1	HC_vs_MS.Trt_F
SETDB2	0.15329	-0.414	0.896	0.85	1	HC_vs_MS.Trt_F
MCCC1	0.15379	0.41246	0.555	0.49	1	HC_vs_MS.Trt_F
ZDHHC20	0.15396	0.38716	0.526	0.46	1	HC_vs_MS.Trt_F
NDOR1	0.15447	0.7662	0.113	0.08	1	HC_vs_MS.Trt_F
NAB1	0.15472	0.66073	0.153	0.12	1	HC_vs_MS.Trt_F
ITCH	0.15494	0.38835	0.529	0.48	1	HC_vs_MS.Trt_F
CDC42SE2	0.15507	-0.413	0.847	0.82	1	HC_vs_MS.Trt_F
VBP1	0.15537	0.53086	0.142	0.1	1	HC_vs_MS.Trt_F
DDX51	0.15539	-0.419	0.685	0.68	1	HC_vs_MS.Trt_F
EFHD2	0.15547	0.57054	0.182	0.14	1	HC_vs_MS.Trt_F
FAM86B1	0.15562	-0.3001	0.081	0.12	1	HC_vs_MS.Trt_F
ACACA	0.15599	0.95329	0.645	0.59	1	HC_vs_MS.Trt_F
SIPA1	0.15606	-0.5665	0.662	0.53	1	HC_vs_MS.Trt_F
CLK1	0.15628	0.28345	0.725	0.68	1	HC_vs_MS.Trt_F
PHF2	0.15637	0.41255	0.104	0.07	1	HC_vs_MS.Trt_F
ZCCHC6	0.15639	-0.4115	0.318	0.24	1	HC_vs_MS.Trt_F
SCFD1	0.15655	0.2568	0.798	0.74	1	HC_vs_MS.Trt_F
TIE1	0.15656	-0.5888	0.613	0.62	1	HC_vs_MS.Trt_F
TNIP2	0.15662	0.45822	0.147	0.11	1	HC_vs_MS.Trt_F
WBP1	0.15718	0.34947	0.147	0.11	1	HC_vs_MS.Trt_F
CENPT	0.15724	-0.2927	0.269	0.21	1	HC_vs_MS.Trt_F
EI24	0.1576	-0.8194	0.786	0.72	1	HC_vs_MS.Trt_F
PBDC1	0.15766	0.27641	0.139	0.1	1	HC_vs_MS.Trt_F
ZNRF1	0.1578	0.30799	0.344	0.3	1	HC_vs_MS.Trt_F
CCDC6	0.15791	1.1002	0.121	0.09	1	HC_vs_MS.Trt_F
CES4A	0.15796	0.68231	0.558	0.6	1	HC_vs_MS.Trt_F
BRF2	0.15813	0.34688	0.194	0.15	1	HC_vs_MS.Trt_F

PKP2	0.15814	0.38541	0.676	0.66	1	HC_vs_MS.Trt_F
MTRF1L	0.15841	-0.3261	0.133	0.09	1	HC_vs_MS.Trt_F
HTATIP2	0.15842	0.51817	0.197	0.15	1	HC_vs_MS.Trt_F
POLR3C	0.15846	0.39587	0.616	0.54	1	HC_vs_MS.Trt_F
CCDC14	0.15849	0.8813	0.228	0.19	1	HC_vs_MS.Trt_F
MTHFD2	0.15856	0.29954	0.717	0.68	1	HC_vs_MS.Trt_F
ZNF699	0.15871	1.20365	0.353	0.31	1	HC_vs_MS.Trt_F
SLC35B1	0.15873	0.67503	0.708	0.66	1	HC_vs_MS.Trt_F
SEC23B	0.15881	0.36826	0.191	0.15	1	HC_vs_MS.Trt_F
SYNC	0.15893	-0.6551	0.153	0.19	1	HC_vs_MS.Trt_F
SLC25A14	0.15897	1.35657	0.324	0.26	1	HC_vs_MS.Trt_F
CD2AP	0.15931	0.44429	0.211	0.16	1	HC_vs_MS.Trt_F
CDON	0.15937	0.55032	0.526	0.46	1	HC_vs_MS.Trt_F
VN1R1	0.15943	1.26701	0.211	0.16	1	HC_vs_MS.Trt_F
TBC1D2B	0.15947	0.2573	0.358	0.3	1	HC_vs_MS.Trt_F
PDCD11	0.15973	-0.5259	0.277	0.22	1	HC_vs_MS.Trt_F
PKD2	0.15991	-0.574	0.228	0.17	1	HC_vs_MS.Trt_F
C11orf98	0.16019	0.25678	0.165	0.12	1	HC_vs_MS.Trt_F
SBNO1	0.16019	-0.4268	0.61	0.66	1	HC_vs_MS.Trt_F
ACSL6	0.16038	-0.287	0.618	0.66	1	HC_vs_MS.Trt_F
TMEM59	0.1604	-0.4806	0.882	0.9	1	HC_vs_MS.Trt_F
CYLC2	0.16043	0.35855	0.118	0.09	1	HC_vs_MS.Trt_F
CPSF1	0.16059	0.26011	0.214	0.17	1	HC_vs_MS.Trt_F
ETV4	0.16074	0.61796	0.13	0.1	1	HC_vs_MS.Trt_F
BTRC	0.16075	0.94704	0.113	0.08	1	HC_vs_MS.Trt_F
ALDH1L2	0.16085	0.93212	0.335	0.28	1	HC_vs_MS.Trt_F
AKT1	0.16092	0.39487	0.254	0.21	1	HC_vs_MS.Trt_F
ARPC2	0.16104	-0.251	0.974	0.97	1	HC_vs_MS.Trt_F
AK5	0.16115	0.48166	0.156	0.12	1	HC_vs_MS.Trt_F
LRRC45	0.16141	-0.3143	0.075	0.11	1	HC_vs_MS.Trt_F
OSBP2	0.16189	-0.3408	0.468	0.41	1	HC_vs_MS.Trt_F
CPSF3L	0.16199	0.27862	0.815	0.73	1	HC_vs_MS.Trt_F
GOSR2	0.16206	0.346	0.171	0.13	1	HC_vs_MS.Trt_F
PAQR3	0.16277	1.04314	0.159	0.12	1	HC_vs_MS.Trt_F
NKD1	0.16294	0.30179	0.425	0.36	1	HC_vs_MS.Trt_F
TRIP4	0.16309	-0.4426	0.575	0.49	1	HC_vs_MS.Trt_F
MON1A	0.16318	1.23054	0.116	0.08	1	HC_vs_MS.Trt_F
LGALS1	0.16321	-0.3391	0.477	0.38	1	HC_vs_MS.Trt_F
ZNF570	0.16328	-0.4905	0.832	0.79	1	HC_vs_MS.Trt_F
CCDC74A	0.16338	1.05778	0.289	0.24	1	HC_vs_MS.Trt_F

RCC1	0.16341	0.53295	0.191	0.15	1	HC_vs_MS.Trt_F
M1AP	0.16425	0.3556	0.347	0.31	1	HC_vs_MS.Trt_F
ANKAR	0.16433	0.67464	0.179	0.14	1	HC_vs_MS.Trt_F
NEDD4L	0.16471	0.357	0.509	0.53	1	HC_vs_MS.Trt_F
NUPR1	0.16519	0.28625	0.977	0.95	1	HC_vs_MS.Trt_F
GRAP2	0.16526	0.25821	0.306	0.25	1	HC_vs_MS.Trt_F
SSNA1	0.16563	0.31845	0.185	0.14	1	HC_vs_MS.Trt_F
BFAR	0.16606	-0.469	0.526	0.54	1	HC_vs_MS.Trt_F
TMEM186	0.1667	0.31333	0.526	0.48	1	HC_vs_MS.Trt_F
ORC1	0.16685	0.58542	0.303	0.25	1	HC_vs_MS.Trt_F
TSN	0.16707	-0.8876	0.428	0.36	1	HC_vs_MS.Trt_F
ELP6	0.16758	-1.1311	0.647	0.6	1	HC_vs_MS.Trt_F
YIF1B	0.1676	-0.342	0.694	0.61	1	HC_vs_MS.Trt_F
PPP1CA	0.16763	-0.2825	0.454	0.5	1	HC_vs_MS.Trt_F
CNIH3	0.1679	0.78586	0.234	0.19	1	HC_vs_MS.Trt_F
ATP6V0E2	0.16824	0.3993	0.234	0.19	1	HC_vs_MS.Trt_F
PARP9	0.16836	-0.5135	0.408	0.33	1	HC_vs_MS.Trt_F
TRIM37	0.1684	-0.2704	0.24	0.19	1	HC_vs_MS.Trt_F
EME2	0.16843	0.51101	0.341	0.28	1	HC_vs_MS.Trt_F
ESPL1	0.16852	-0.7209	0.766	0.7	1	HC_vs_MS.Trt_F
C12orf29	0.16865	-0.4704	0.286	0.22	1	HC_vs_MS.Trt_F
MYNN	0.16887	-0.2532	0.341	0.28	1	HC_vs_MS.Trt_F
CCR7	0.1689	-0.3918	0.379	0.42	1	HC_vs_MS.Trt_F
C11orf21	0.16946	0.58229	0.173	0.13	1	HC_vs_MS.Trt_F
MLYCD	0.1695	1.00145	0.422	0.35	1	HC_vs_MS.Trt_F
ITGA3	0.16966	0.45421	0.809	0.72	1	HC_vs_MS.Trt_F
SIMC1	0.16991	-0.3532	0.526	0.44	1	HC_vs_MS.Trt_F
KIAA0232	0.16997	0.79465	0.156	0.12	1	HC_vs_MS.Trt_F
POLR1A	0.16998	0.55402	0.772	0.69	1	HC_vs_MS.Trt_F
ENTPD6	0.17	0.50332	0.15	0.11	1	HC_vs_MS.Trt_F
TIPARP	0.17021	0.38881	0.165	0.13	1	HC_vs_MS.Trt_F
COA6	0.17029	-0.2503	0.156	0.12	1	HC_vs_MS.Trt_F
FBXO5	0.17036	1.27819	0.431	0.38	1	HC_vs_MS.Trt_F
ESYT3	0.17039	0.43707	0.584	0.5	1	HC_vs_MS.Trt_F
FGFR2	0.17051	0.36788	0.509	0.45	1	HC_vs_MS.Trt_F
PIAS2	0.17082	0.32378	0.815	0.73	1	HC_vs_MS.Trt_F
GNAI3	0.17083	-0.294	0.988	0.96	1	HC_vs_MS.Trt_F
VCL	0.17091	0.52377	0.188	0.14	1	HC_vs_MS.Trt_F
SLC5A6	0.17094	0.47071	0.15	0.11	1	HC_vs_MS.Trt_F
RBM17	0.17099	-0.3047	0.425	0.34	1	HC_vs_MS.Trt_F

ZNF143	0.17105	0.39376	0.15	0.11	1	HC_vs_MS.Trt_F
UACA	0.17108	0.52675	0.532	0.47	1	HC_vs_MS.Trt_F
DNM1	0.17119	0.39531	0.65	0.59	1	HC_vs_MS.Trt_F
FEM1B	0.17121	0.87806	0.124	0.09	1	HC_vs_MS.Trt_F
ZNF74	0.17139	1.31165	0.494	0.45	1	HC_vs_MS.Trt_F
CXorf56	0.17141	-0.3198	0.78	0.7	1	HC_vs_MS.Trt_F
ZNF286B	0.17144	-0.8736	0.558	0.47	1	HC_vs_MS.Trt_F
NIPAL3	0.17169	-0.4832	0.766	0.76	1	HC_vs_MS.Trt_F
KIAA1109	0.17186	-0.3688	0.373	0.31	1	HC_vs_MS.Trt_F
ADGRD1	0.17193	0.65577	0.436	0.37	1	HC_vs_MS.Trt_F
LRRC28	0.17209	0.30298	0.624	0.54	1	HC_vs_MS.Trt_F
ATXN7L3B	0.17214	0.39372	0.197	0.15	1	HC_vs_MS.Trt_F
PRAMEF1	0.1725	-0.2683	0.075	0.11	1	HC_vs_MS.Trt_F
DAB2	0.17258	-1.2725	0.191	0.23	1	HC_vs_MS.Trt_F
C1QTNF2	0.1727	0.31304	0.344	0.28	1	HC_vs_MS.Trt_F
RNF40	0.17272	-0.811	0.098	0.13	1	HC_vs_MS.Trt_F
BRAF	0.17292	0.33058	0.191	0.15	1	HC_vs_MS.Trt_F
WDR45	0.17293	0.34908	0.647	0.58	1	HC_vs_MS.Trt_F
ZNF2	0.17315	-1.6707	0.382	0.31	1	HC_vs_MS.Trt_F
MKL2	0.17347	0.43026	0.769	0.71	1	HC_vs_MS.Trt_F
BCAT2	0.17361	-0.5299	0.243	0.19	1	HC_vs_MS.Trt_F
CBX1	0.17374	-0.2868	0.332	0.27	1	HC_vs_MS.Trt_F
GGCT	0.1739	1.04675	0.11	0.08	1	HC_vs_MS.Trt_F
CAD	0.17394	0.7442	0.777	0.73	1	HC_vs_MS.Trt_F
GLUL	0.17403	0.78359	0.263	0.21	1	HC_vs_MS.Trt_F
CXADR	0.17426	-0.2947	0.289	0.33	1	HC_vs_MS.Trt_F
ZC3H3	0.17428	0.42946	0.153	0.12	1	HC_vs_MS.Trt_F
RAD21	0.17468	-0.4357	0.277	0.31	1	HC_vs_MS.Trt_F
POLR2A	0.17504	0.68285	0.844	0.82	1	HC_vs_MS.Trt_F
SERINC5	0.17521	-0.3358	0.89	0.9	1	HC_vs_MS.Trt_F
TBCA	0.17566	0.26634	0.298	0.25	1	HC_vs_MS.Trt_F
MIB2	0.17578	-0.5551	0.202	0.25	1	HC_vs_MS.Trt_F
RAB27A	0.17579	-0.2554	0.673	0.6	1	HC_vs_MS.Trt_F
LMLN	0.17593	0.3238	0.419	0.35	1	HC_vs_MS.Trt_F
NLRP3	0.1761	-0.7698	0.28	0.23	1	HC_vs_MS.Trt_F
SEPHS2	0.17617	0.82433	0.145	0.11	1	HC_vs_MS.Trt_F
RABEPK	0.17621	-0.3368	0.85	0.8	1	HC_vs_MS.Trt_F
SETD4	0.17637	-0.7803	0.564	0.51	1	HC_vs_MS.Trt_F
SLC2A4RG	0.1764	0.74913	0.11	0.08	1	HC_vs_MS.Trt_F
HSD17B13	0.17641	0.5341	0.636	0.57	1	HC_vs_MS.Trt_F

TNS2	0.17649	1.04923	0.39	0.34	1	HC_vs_MS.Trt_F
LARP7	0.17668	-0.5476	0.257	0.2	1	HC_vs_MS.Trt_F
CTR9	0.17671	-0.4145	0.205	0.16	1	HC_vs_MS.Trt_F
RUVBL1	0.17702	-0.417	0.711	0.73	1	HC_vs_MS.Trt_F
IPO11	0.17716	0.54332	0.173	0.13	1	HC_vs_MS.Trt_F
DDAH2	0.17747	-0.6416	0.118	0.08	1	HC_vs_MS.Trt_F
ITFG1	0.17758	0.59875	0.211	0.17	1	HC_vs_MS.Trt_F
RP11-577H5	0.1776	-1.0644	0.104	0.13	1	HC_vs_MS.Trt_F
PAPOLG	0.17792	-0.3545	0.827	0.73	1	HC_vs_MS.Trt_F
BCDIN3D	0.17804	0.68227	0.454	0.39	1	HC_vs_MS.Trt_F
UBN1	0.17813	-0.5354	0.194	0.15	1	HC_vs_MS.Trt_F
VN1R2	0.17816	0.31656	0.11	0.08	1	HC_vs_MS.Trt_F
MRPL52	0.17841	-0.2733	0.682	0.59	1	HC_vs_MS.Trt_F
SNUPN	0.17854	-0.845	0.887	0.79	1	HC_vs_MS.Trt_F
RTCA	0.1787	-0.2684	0.645	0.58	1	HC_vs_MS.Trt_F
SLC25A20	0.17917	0.66736	0.171	0.13	1	HC_vs_MS.Trt_F
ANO8	0.17921	0.3425	0.136	0.1	1	HC_vs_MS.Trt_F
VGLL4	0.17937	0.29182	0.951	0.94	1	HC_vs_MS.Trt_F
CERS4	0.17938	0.57067	0.659	0.59	1	HC_vs_MS.Trt_F
EFCAB5	0.17939	0.67046	0.503	0.44	1	HC_vs_MS.Trt_F
TACR2	0.17945	0.59142	0.121	0.09	1	HC_vs_MS.Trt_F
ATG9B	0.17948	-0.7729	0.124	0.16	1	HC_vs_MS.Trt_F
RAD9B	0.17979	0.28538	0.471	0.4	1	HC_vs_MS.Trt_F
RSBN1	0.17979	0.30498	0.275	0.22	1	HC_vs_MS.Trt_F
ZNF532	0.18016	0.26151	0.942	0.94	1	HC_vs_MS.Trt_F
VPS54	0.18017	-1.1392	0.419	0.36	1	HC_vs_MS.Trt_F
PDE7B	0.18027	0.30801	0.448	0.41	1	HC_vs_MS.Trt_F
KLHL24	0.18074	-0.38	0.882	0.85	1	HC_vs_MS.Trt_F
USP1	0.18108	-0.3629	0.197	0.15	1	HC_vs_MS.Trt_F
RFX5	0.18119	-0.3847	0.393	0.33	1	HC_vs_MS.Trt_F
CYP51A1	0.18135	-0.4182	0.532	0.46	1	HC_vs_MS.Trt_F
ANKHD1	0.18142	0.28018	0.494	0.45	1	HC_vs_MS.Trt_F
WDR76	0.18204	-0.7836	0.656	0.69	1	HC_vs_MS.Trt_F
LRRC59	0.18204	0.56457	0.176	0.14	1	HC_vs_MS.Trt_F
UCHL5	0.18204	-0.5312	0.223	0.17	1	HC_vs_MS.Trt_F
AOAH	0.18228	-0.812	0.428	0.36	1	HC_vs_MS.Trt_F
SFXN2	0.18249	0.84724	0.925	0.92	1	HC_vs_MS.Trt_F
UBA2	0.18254	0.61269	0.624	0.57	1	HC_vs_MS.Trt_F
GMEB1	0.18294	0.4761	0.821	0.79	1	HC_vs_MS.Trt_F
PPME1	0.18302	0.57384	0.182	0.14	1	HC_vs_MS.Trt_F

C1orf112	0.18306	-0.4042	0.546	0.47	1	HC_vs_MS.Trt_F
ENPP2	0.18358	1.3484	0.156	0.12	1	HC_vs_MS.Trt_F
WRN	0.18379	-0.6613	0.587	0.49	1	HC_vs_MS.Trt_F
SURF2	0.18392	-0.6338	0.13	0.16	1	HC_vs_MS.Trt_F
XPO6	0.18436	-0.577	0.286	0.32	1	HC_vs_MS.Trt_F
SCAPER	0.18453	-0.3411	0.402	0.34	1	HC_vs_MS.Trt_F
IBA57	0.18491	0.56531	0.829	0.81	1	HC_vs_MS.Trt_F
PREPL	0.18513	0.34559	0.708	0.65	1	HC_vs_MS.Trt_F
PIGL	0.18521	0.56876	0.714	0.67	1	HC_vs_MS.Trt_F
RRP1	0.18529	-0.5083	0.711	0.65	1	HC_vs_MS.Trt_F
KBTBD3	0.18532	-0.896	0.075	0.1	1	HC_vs_MS.Trt_F
ARPC5	0.18577	-0.4691	0.96	0.89	1	HC_vs_MS.Trt_F
TPX2	0.18586	-0.4032	0.286	0.23	1	HC_vs_MS.Trt_F
AGBL3	0.18598	-0.3685	0.28	0.23	1	HC_vs_MS.Trt_F
MCOLN2	0.18643	0.25969	0.509	0.43	1	HC_vs_MS.Trt_F
TMEM94	0.18677	-0.4176	0.272	0.22	1	HC_vs_MS.Trt_F
CLN6	0.18677	0.35356	0.824	0.79	1	HC_vs_MS.Trt_F
TCP11L2	0.18702	0.42044	0.295	0.25	1	HC_vs_MS.Trt_F
BTNL9	0.18716	0.39941	0.931	0.85	1	HC_vs_MS.Trt_F
TSPYL1	0.1873	-0.4979	0.639	0.62	1	HC_vs_MS.Trt_F
DENND1A	0.18752	0.43489	0.558	0.49	1	HC_vs_MS.Trt_F
MKNK1	0.18754	-0.3557	0.945	0.92	1	HC_vs_MS.Trt_F
TRANK1	0.18755	0.66778	0.263	0.22	1	HC_vs_MS.Trt_F
ZMAT1	0.1878	0.70822	0.39	0.34	1	HC_vs_MS.Trt_F
DCAF13	0.18785	-0.6036	0.766	0.66	1	HC_vs_MS.Trt_F
TARDBP	0.18787	0.351	0.636	0.59	1	HC_vs_MS.Trt_F
HSPBAP1	0.18855	0.30576	0.584	0.53	1	HC_vs_MS.Trt_F
SPAG9	0.18909	0.57243	0.913	0.88	1	HC_vs_MS.Trt_F
ACVR2A	0.18923	-0.5916	0.315	0.25	1	HC_vs_MS.Trt_F
HHIP	0.18961	0.33146	0.405	0.35	1	HC_vs_MS.Trt_F
SCUBE3	0.18967	0.39843	0.691	0.63	1	HC_vs_MS.Trt_F
TLR6	0.18989	-0.3417	0.309	0.26	1	HC_vs_MS.Trt_F
CYB5R2	0.18991	0.54716	0.575	0.48	1	HC_vs_MS.Trt_F
ENSA	0.19	-0.3088	0.821	0.82	1	HC_vs_MS.Trt_F
NRAS	0.1904	0.83184	0.361	0.3	1	HC_vs_MS.Trt_F
CD101	0.19094	-0.8835	0.075	0.1	1	HC_vs_MS.Trt_F
NT5DC1	0.19129	0.77508	0.223	0.17	1	HC_vs_MS.Trt_F
ANO10	0.19195	-0.3913	0.671	0.62	1	HC_vs_MS.Trt_F
WDR53	0.19203	0.32194	0.116	0.08	1	HC_vs_MS.Trt_F
NCAPH2	0.19223	0.42274	0.757	0.71	1	HC_vs_MS.Trt_F



GPR155	0.19257	0.36163	0.939	0.9	1	HC_vs_MS.Trt_F
ABCB10	0.19263	-1.057	0.101	0.13	1	HC_vs_MS.Trt_F
PDZD8	0.19267	-0.6863	0.277	0.32	1	HC_vs_MS.Trt_F
FOXK1	0.19273	-0.4798	0.879	0.85	1	HC_vs_MS.Trt_F
PPM1F	0.19296	0.51914	0.832	0.76	1	HC_vs_MS.Trt_F
ZNF845	0.19315	0.31153	0.711	0.65	1	HC_vs_MS.Trt_F
HOMEZ	0.19345	-1.3012	0.26	0.3	1	HC_vs_MS.Trt_F
MTR	0.1937	-0.6596	0.569	0.49	1	HC_vs_MS.Trt_F
BLOC1S1	0.19372	-0.3305	0.254	0.2	1	HC_vs_MS.Trt_F
FMNL1	0.19372	0.42988	0.714	0.68	1	HC_vs_MS.Trt_F
VTI1A	0.19389	-0.3972	0.902	0.87	1	HC_vs_MS.Trt_F
USP46	0.1939	0.37755	0.731	0.68	1	HC_vs_MS.Trt_F
SPRYD3	0.19394	0.58053	0.197	0.16	1	HC_vs_MS.Trt_F
ACSL5	0.19437	0.37905	0.225	0.18	1	HC_vs_MS.Trt_F
TAF10	0.19443	0.92189	0.133	0.1	1	HC_vs_MS.Trt_F
GPX2	0.19446	0.8771	0.211	0.16	1	HC_vs_MS.Trt_F
C2CD2	0.1948	0.69714	0.266	0.22	1	HC_vs_MS.Trt_F
ANKRD39	0.19501	-0.5235	0.214	0.25	1	HC_vs_MS.Trt_F
FAM32A	0.19509	-0.3452	0.494	0.42	1	HC_vs_MS.Trt_F
SPDYE3	0.19515	0.43002	0.506	0.59	1	HC_vs_MS.Trt_F
RRAGA	0.1953	-0.4056	0.185	0.14	1	HC_vs_MS.Trt_F
GGCX	0.19537	0.27112	0.934	0.9	1	HC_vs_MS.Trt_F
FGFR1	0.19542	0.36749	0.827	0.8	1	HC_vs_MS.Trt_F
AHCYL2	0.19548	1.83426	0.194	0.16	1	HC_vs_MS.Trt_F
IDH3G	0.19556	0.26349	0.197	0.16	1	HC_vs_MS.Trt_F
ZNF680	0.19577	-0.7523	0.139	0.17	1	HC_vs_MS.Trt_F
BBS1	0.19626	-0.2728	0.656	0.61	1	HC_vs_MS.Trt_F
RAB21	0.19628	0.40106	0.983	0.97	1	HC_vs_MS.Trt_F
TXLNA	0.1963	-0.5423	0.373	0.39	1	HC_vs_MS.Trt_F
LTB	0.19635	-0.365	0.584	0.59	1	HC_vs_MS.Trt_F
BCOR	0.19656	-0.2768	0.217	0.17	1	HC_vs_MS.Trt_F
MIER1	0.19675	-0.2773	0.743	0.66	1	HC_vs_MS.Trt_F
GPR137	0.19677	-0.2875	0.292	0.24	1	HC_vs_MS.Trt_F
SLC9B1	0.19689	0.39999	0.419	0.37	1	HC_vs_MS.Trt_F
ESCO1	0.19691	-0.3628	0.439	0.38	1	HC_vs_MS.Trt_F
FSD2	0.19691	0.52221	0.488	0.46	1	HC_vs_MS.Trt_F
SNRPD3	0.19697	-0.4149	0.803	0.72	1	HC_vs_MS.Trt_F
HBB	0.19711	-4.1882	0.075	0.1	1	HC_vs_MS.Trt_F
DPM1	0.19719	0.72731	0.136	0.1	1	HC_vs_MS.Trt_F
ABCC2	0.19801	0.25274	0.514	0.58	1	HC_vs_MS.Trt_F

ITGAX	0.19827	1.255	0.558	0.48	1	HC_vs_MS.Trt_F
MBD1	0.19847	-0.3058	0.217	0.17	1	HC_vs_MS.Trt_F
ARHGAP4	0.19855	0.33253	0.497	0.48	1	HC_vs_MS.Trt_F
RNF38	0.19874	0.3263	0.237	0.19	1	HC_vs_MS.Trt_F
VHL	0.19905	-0.2711	0.815	0.75	1	HC_vs_MS.Trt_F
KDEL2	0.19908	-0.318	0.208	0.16	1	HC_vs_MS.Trt_F
PITPNA	0.19919	1.13612	0.13	0.1	1	HC_vs_MS.Trt_F
ZNF250	0.19931	-1.2683	0.671	0.59	1	HC_vs_MS.Trt_F
DPAGT1	0.19948	-0.3877	0.084	0.11	1	HC_vs_MS.Trt_F
CIAO1	0.19957	-0.3878	0.355	0.29	1	HC_vs_MS.Trt_F
RAP2C	0.19962	-0.2669	0.324	0.26	1	HC_vs_MS.Trt_F
MAP3K13	0.19969	0.39595	0.85	0.82	1	HC_vs_MS.Trt_F
RBM44	0.19989	-0.724	0.231	0.27	1	HC_vs_MS.Trt_F
CSGALNACT	0.20042	0.39467	0.191	0.15	1	HC_vs_MS.Trt_F
E2F6	0.20045	0.69012	0.272	0.31	1	HC_vs_MS.Trt_F
FYTTD1	0.20064	-0.5696	0.838	0.76	1	HC_vs_MS.Trt_F
FCGRT	0.20082	0.39189	0.237	0.19	1	HC_vs_MS.Trt_F
BPNT1	0.20104	-0.4903	0.775	0.68	1	HC_vs_MS.Trt_F
NCAPD3	0.20106	1.7522	0.11	0.08	1	HC_vs_MS.Trt_F
DCUN1D4	0.20111	-0.3195	0.35	0.29	1	HC_vs_MS.Trt_F
SLC35G2	0.20146	-0.861	0.185	0.22	1	HC_vs_MS.Trt_F
NAXD	0.20154	-1.13	0.087	0.12	1	HC_vs_MS.Trt_F
CENPM	0.20166	-0.7078	0.382	0.31	1	HC_vs_MS.Trt_F
SPAG4	0.20182	0.55498	0.28	0.25	1	HC_vs_MS.Trt_F
TMEM256-P	0.20186	-0.3722	0.48	0.49	1	HC_vs_MS.Trt_F
5-Mar	0.20193	0.38478	0.251	0.21	1	HC_vs_MS.Trt_F
MYO1D	0.2021	1.51714	0.202	0.17	1	HC_vs_MS.Trt_F
ZNF85	0.20211	-0.8036	0.72	0.65	1	HC_vs_MS.Trt_F
MRPS2	0.20221	0.97845	0.101	0.07	1	HC_vs_MS.Trt_F
BRF1	0.20244	0.63774	0.624	0.59	1	HC_vs_MS.Trt_F
ANKZF1	0.20278	0.33789	0.835	0.82	1	HC_vs_MS.Trt_F
HECTD1	0.20291	0.32687	0.587	0.52	1	HC_vs_MS.Trt_F
KIF9	0.20301	0.51902	0.173	0.14	1	HC_vs_MS.Trt_F
PLEKHG2	0.20312	0.52162	0.916	0.86	1	HC_vs_MS.Trt_F
SPATA7	0.20317	-0.2566	0.341	0.3	1	HC_vs_MS.Trt_F
SS18	0.20324	-0.3883	0.647	0.56	1	HC_vs_MS.Trt_F
FNIP1	0.20325	-0.443	0.587	0.63	1	HC_vs_MS.Trt_F
WDR45B	0.2033	0.2596	0.422	0.38	1	HC_vs_MS.Trt_F
MYO15B	0.20334	0.27803	0.246	0.2	1	HC_vs_MS.Trt_F
VAPB	0.20381	-0.8187	0.217	0.17	1	HC_vs_MS.Trt_F

SUPT6H	0.20394	0.37165	0.679	0.62	1	HC_vs_MS.Trt_F
PSMG3	0.20416	-0.9204	0.682	0.59	1	HC_vs_MS.Trt_F
CEACAM4	0.20457	0.62037	0.136	0.1	1	HC_vs_MS.Trt_F
LYRM1	0.20483	-0.6316	0.616	0.53	1	HC_vs_MS.Trt_F
MYOM3	0.20504	0.26071	0.633	0.6	1	HC_vs_MS.Trt_F
TGFBR1	0.20513	-0.3345	0.162	0.12	1	HC_vs_MS.Trt_F
VNN2	0.20544	-0.8484	0.188	0.22	1	HC_vs_MS.Trt_F
ZBTB1	0.20568	-0.2792	0.231	0.18	1	HC_vs_MS.Trt_F
ERLEC1	0.20581	0.54881	0.413	0.36	1	HC_vs_MS.Trt_F
GHDC	0.20589	-0.8408	0.335	0.28	1	HC_vs_MS.Trt_F
NBPF12	0.2059	-0.3142	0.347	0.37	1	HC_vs_MS.Trt_F
SHANK1	0.20639	0.40824	0.329	0.3	1	HC_vs_MS.Trt_F
AAMP	0.20639	-0.5575	0.234	0.18	1	HC_vs_MS.Trt_F
KCNN3	0.20649	-0.4841	0.474	0.5	1	HC_vs_MS.Trt_F
PAQR8	0.20651	-0.4664	0.607	0.51	1	HC_vs_MS.Trt_F
LARP1B	0.20669	-1.5974	0.075	0.1	1	HC_vs_MS.Trt_F
DCBLD1	0.20676	0.58022	0.61	0.54	1	HC_vs_MS.Trt_F
LPAR2	0.20677	-0.5352	0.165	0.13	1	HC_vs_MS.Trt_F
NFXL1	0.20682	1.23986	0.145	0.11	1	HC_vs_MS.Trt_F
TARS2	0.20688	0.27453	0.809	0.81	1	HC_vs_MS.Trt_F
NEUROD1	0.20721	0.27832	0.113	0.08	1	HC_vs_MS.Trt_F
TIMD4	0.20735	0.65753	0.101	0.07	1	HC_vs_MS.Trt_F
DNAJB4	0.20736	-0.2569	0.454	0.4	1	HC_vs_MS.Trt_F
NFATC2	0.20751	0.32212	0.234	0.19	1	HC_vs_MS.Trt_F
GFOD2	0.20782	-0.2836	0.931	0.89	1	HC_vs_MS.Trt_F
SMARCD2	0.20825	-0.8397	0.118	0.15	1	HC_vs_MS.Trt_F
ASRGL1	0.20864	0.40288	0.607	0.54	1	HC_vs_MS.Trt_F
KLLN	0.20867	-0.4036	0.497	0.43	1	HC_vs_MS.Trt_F
WDR5B	0.20898	1.21871	0.24	0.19	1	HC_vs_MS.Trt_F
TPRG1L	0.20907	0.82613	0.298	0.26	1	HC_vs_MS.Trt_F
PES1	0.20911	0.91136	0.142	0.11	1	HC_vs_MS.Trt_F
GTF2H3	0.20913	-0.6295	0.786	0.69	1	HC_vs_MS.Trt_F
SRM	0.20931	-0.4227	0.199	0.16	1	HC_vs_MS.Trt_F
NDC80	0.20954	-0.7962	0.743	0.66	1	HC_vs_MS.Trt_F
RPRD2	0.2096	0.29539	0.277	0.23	1	HC_vs_MS.Trt_F
MAEL	0.20979	0.29291	0.529	0.57	1	HC_vs_MS.Trt_F
PDXK	0.20992	0.2834	0.63	0.53	1	HC_vs_MS.Trt_F
SP4	0.20996	-0.5341	0.448	0.38	1	HC_vs_MS.Trt_F
STK24	0.21013	-0.59	0.347	0.29	1	HC_vs_MS.Trt_F
ANKRD40	0.21028	-0.7722	0.824	0.82	1	HC_vs_MS.Trt_F

MAP3K14	0.21043	0.28527	0.199	0.16	1	HC_vs_MS.Trt_F
VAMP7	0.2105	-0.5562	0.127	0.09	1	HC_vs_MS.Trt_F
LRP2BP	0.21058	0.99001	0.48	0.42	1	HC_vs_MS.Trt_F
NOTCH1	0.21062	0.95001	0.156	0.12	1	HC_vs_MS.Trt_F
GPA33	0.21136	0.93019	0.101	0.07	1	HC_vs_MS.Trt_F
RPAP1	0.21136	-0.4565	0.855	0.77	1	HC_vs_MS.Trt_F
ZNF496	0.21152	0.66752	0.769	0.72	1	HC_vs_MS.Trt_F
C3orf58	0.21153	-1.0851	0.104	0.13	1	HC_vs_MS.Trt_F
ZNF268	0.21155	0.37795	0.986	0.95	1	HC_vs_MS.Trt_F
LANCL1	0.21155	-0.2573	0.179	0.14	1	HC_vs_MS.Trt_F
CREBRF	0.21163	-0.4991	0.777	0.69	1	HC_vs_MS.Trt_F
ZNF783	0.2119	1.10113	0.442	0.38	1	HC_vs_MS.Trt_F
PBX3	0.21202	0.61978	0.116	0.09	1	HC_vs_MS.Trt_F
ATP6AP2	0.2124	-0.3202	0.89	0.81	1	HC_vs_MS.Trt_F
TCF3	0.21253	0.79419	0.11	0.08	1	HC_vs_MS.Trt_F
CEP250	0.21282	-0.7153	0.844	0.78	1	HC_vs_MS.Trt_F
NAIP	0.21284	-0.3011	0.743	0.63	1	HC_vs_MS.Trt_F
PTPRJ	0.21292	0.32296	0.41	0.37	1	HC_vs_MS.Trt_F
TEPSIN	0.21297	0.67236	0.15	0.12	1	HC_vs_MS.Trt_F
ZDHHC5	0.21321	0.75781	0.142	0.11	1	HC_vs_MS.Trt_F
ESRRA	0.21332	1.00579	0.127	0.1	1	HC_vs_MS.Trt_F
INSL6	0.21343	0.37471	0.338	0.3	1	HC_vs_MS.Trt_F
ZNF461	0.21376	-0.7103	0.705	0.66	1	HC_vs_MS.Trt_F
MCEE	0.21388	0.37954	0.214	0.18	1	HC_vs_MS.Trt_F
GPATCH2	0.21397	-0.816	0.54	0.6	1	HC_vs_MS.Trt_F
OLA1	0.21426	-0.2707	0.494	0.42	1	HC_vs_MS.Trt_F
SLC7A13	0.2143	-0.436	0.121	0.16	1	HC_vs_MS.Trt_F
NARF	0.2145	0.46675	0.965	0.95	1	HC_vs_MS.Trt_F
CTRL	0.21486	-0.3033	0.133	0.1	1	HC_vs_MS.Trt_F
COP55	0.21491	0.38708	0.893	0.82	1	HC_vs_MS.Trt_F
WDR11	0.21509	0.6387	0.673	0.62	1	HC_vs_MS.Trt_F
TTC22	0.21511	0.75598	0.494	0.43	1	HC_vs_MS.Trt_F
DEPDC5	0.21517	-0.4678	0.777	0.81	1	HC_vs_MS.Trt_F
BICD1	0.21521	0.59385	0.118	0.09	1	HC_vs_MS.Trt_F
CASP2	0.21562	-0.4446	0.818	0.81	1	HC_vs_MS.Trt_F
DMXL1	0.2157	-0.3498	0.24	0.19	1	HC_vs_MS.Trt_F
BRD3	0.21625	-0.4599	0.237	0.18	1	HC_vs_MS.Trt_F
AIDA	0.21627	0.50385	0.139	0.1	1	HC_vs_MS.Trt_F
ITGB8	0.21642	0.40849	0.78	0.81	1	HC_vs_MS.Trt_F
ZFP91	0.21658	0.4313	0.104	0.08	1	HC_vs_MS.Trt_F

C1QTNF1	0.21761	-0.5423	0.275	0.22	1	HC_vs_MS.Trt_F
KIFAP3	0.21765	-0.3988	0.188	0.15	1	HC_vs_MS.Trt_F
GNB2	0.21781	0.70028	0.529	0.5	1	HC_vs_MS.Trt_F
LGR4	0.21797	0.8129	0.075	0.1	1	HC_vs_MS.Trt_F
BRI3BP	0.21827	0.26045	0.902	0.87	1	HC_vs_MS.Trt_F
MUM1	0.2186	-0.4506	0.685	0.63	1	HC_vs_MS.Trt_F
ARRDC3	0.21863	-0.5458	0.454	0.48	1	HC_vs_MS.Trt_F
LIMD1	0.21883	0.32269	0.879	0.83	1	HC_vs_MS.Trt_F
FOXP4	0.21891	0.52882	0.422	0.36	1	HC_vs_MS.Trt_F
RAD9A	0.21892	0.29303	0.529	0.47	1	HC_vs_MS.Trt_F
ENDOV	0.21909	0.43493	0.659	0.6	1	HC_vs_MS.Trt_F
B4GALT5	0.21919	0.53887	0.286	0.34	1	HC_vs_MS.Trt_F
MPST	0.21943	-0.4782	0.887	0.82	1	HC_vs_MS.Trt_F
PTCD3	0.2195	-0.2922	0.922	0.9	1	HC_vs_MS.Trt_F
BLOC1S4	0.21961	0.36013	0.171	0.21	1	HC_vs_MS.Trt_F
CSF2RB	0.21997	0.63337	0.124	0.09	1	HC_vs_MS.Trt_F
CASC4	0.22009	0.38188	0.867	0.88	1	HC_vs_MS.Trt_F
VPS33B	0.22014	1.09327	0.416	0.48	1	HC_vs_MS.Trt_F
SIK3	0.22044	0.34127	0.367	0.31	1	HC_vs_MS.Trt_F
POP4	0.22104	-0.332	0.168	0.13	1	HC_vs_MS.Trt_F
ACPP	0.22111	0.3301	0.225	0.19	1	HC_vs_MS.Trt_F
FBLN1	0.22145	0.59058	0.188	0.15	1	HC_vs_MS.Trt_F
AKR1C1	0.2216	0.41951	0.306	0.27	1	HC_vs_MS.Trt_F
LAPTM4B	0.22163	1.43827	0.225	0.18	1	HC_vs_MS.Trt_F
TMEM120A	0.22175	-0.3144	0.179	0.14	1	HC_vs_MS.Trt_F
MUTYH	0.2218	0.55588	0.561	0.51	1	HC_vs_MS.Trt_F
FZR1	0.22183	0.58276	0.168	0.13	1	HC_vs_MS.Trt_F
CTB-133G6.	0.22184	-0.6149	0.194	0.22	1	HC_vs_MS.Trt_F
OTULIN	0.22207	0.51065	0.497	0.44	1	HC_vs_MS.Trt_F
STARD4	0.22231	-0.9553	0.211	0.17	1	HC_vs_MS.Trt_F
POLR2E	0.22246	-0.5782	0.564	0.58	1	HC_vs_MS.Trt_F
ZNF584	0.22253	0.67282	0.746	0.69	1	HC_vs_MS.Trt_F
SERTAD1	0.22261	-0.2916	0.442	0.37	1	HC_vs_MS.Trt_F
RNF141	0.22293	0.46091	0.445	0.4	1	HC_vs_MS.Trt_F
LHPP	0.22327	0.65509	0.15	0.12	1	HC_vs_MS.Trt_F
GCA	0.22342	-0.8181	0.095	0.12	1	HC_vs_MS.Trt_F
TAB1	0.22348	0.34719	0.121	0.09	1	HC_vs_MS.Trt_F
THNSL1	0.2235	-1.7367	0.153	0.12	1	HC_vs_MS.Trt_F
HIPK2	0.22355	-0.2906	0.13	0.09	1	HC_vs_MS.Trt_F
TMEM164	0.22361	0.27037	0.107	0.08	1	HC_vs_MS.Trt_F

FCGR2B	0.22401	0.915	0.075	0.1	1	HC_vs_MS.Trt_F
COL15A1	0.22414	0.84246	0.425	0.36	1	HC_vs_MS.Trt_F
TAPBP	0.22424	-0.2652	0.974	0.94	1	HC_vs_MS.Trt_F
ALG12	0.2244	0.551	0.197	0.16	1	HC_vs_MS.Trt_F
APPBP2	0.22441	-0.4508	0.873	0.83	1	HC_vs_MS.Trt_F
TMEM181	0.22444	0.30287	0.535	0.49	1	HC_vs_MS.Trt_F
PLEKHG6	0.22524	0.35584	0.303	0.25	1	HC_vs_MS.Trt_F
FBXO21	0.22541	-0.3401	0.217	0.17	1	HC_vs_MS.Trt_F
SIPA1L1	0.22549	-0.4948	0.581	0.58	1	HC_vs_MS.Trt_F
SPATA20	0.22573	0.96662	0.124	0.09	1	HC_vs_MS.Trt_F
TRIM61	0.22576	0.50889	0.277	0.23	1	HC_vs_MS.Trt_F
DLK2	0.22605	-0.6518	0.332	0.36	1	HC_vs_MS.Trt_F
PYCARD	0.22613	-0.9227	0.107	0.13	1	HC_vs_MS.Trt_F
DCTN5	0.22637	0.36947	0.858	0.79	1	HC_vs_MS.Trt_F
BRAT1	0.22641	-0.274	0.338	0.29	1	HC_vs_MS.Trt_F
TCAF1	0.2268	1.01273	0.387	0.34	1	HC_vs_MS.Trt_F
GALE	0.22689	0.32022	0.405	0.34	1	HC_vs_MS.Trt_F
SFMBT2	0.22766	1.15415	0.379	0.34	1	HC_vs_MS.Trt_F
CHML	0.22771	-1.1089	0.26	0.21	1	HC_vs_MS.Trt_F
XPO4	0.22773	-0.4326	0.147	0.11	1	HC_vs_MS.Trt_F
AANAT	0.22779	0.26379	0.101	0.13	1	HC_vs_MS.Trt_F
ATP5S	0.22782	-0.6044	0.945	0.91	1	HC_vs_MS.Trt_F
MMP25	0.22815	0.31526	0.197	0.16	1	HC_vs_MS.Trt_F
UBQLN1	0.22848	-0.4654	0.306	0.26	1	HC_vs_MS.Trt_F
WEE1	0.22907	-0.6788	0.769	0.69	1	HC_vs_MS.Trt_F
CHST11	0.22925	-0.3733	0.237	0.19	1	HC_vs_MS.Trt_F
DIP2C	0.22944	1.09754	0.116	0.09	1	HC_vs_MS.Trt_F
ATXN1L	0.22956	1.15495	0.127	0.1	1	HC_vs_MS.Trt_F
SPPL2B	0.22985	0.28143	0.416	0.37	1	HC_vs_MS.Trt_F
SNIP1	0.23077	-0.502	0.705	0.62	1	HC_vs_MS.Trt_F
MDM2	0.23085	-0.5127	0.988	0.99	1	HC_vs_MS.Trt_F
SPATA33	0.23096	0.27815	0.668	0.59	1	HC_vs_MS.Trt_F
SEC61A1	0.23104	-0.6136	0.364	0.4	1	HC_vs_MS.Trt_F
HCFC1R1	0.23144	-0.3539	0.15	0.12	1	HC_vs_MS.Trt_F
WDR20	0.23176	-0.2959	0.517	0.43	1	HC_vs_MS.Trt_F
MTCH2	0.23228	0.30322	0.124	0.09	1	HC_vs_MS.Trt_F
C14orf93	0.23234	-0.9888	0.335	0.28	1	HC_vs_MS.Trt_F
NDUFAF6	0.23237	-0.4208	0.662	0.59	1	HC_vs_MS.Trt_F
ICK	0.23266	0.723	0.246	0.2	1	HC_vs_MS.Trt_F
ZNF511	0.2327	-0.5104	0.092	0.12	1	HC_vs_MS.Trt_F

DLC1	0.23344	0.55162	0.202	0.17	1	HC_vs_MS.Trt_F
TBC1D22A	0.23345	0.29518	0.572	0.53	1	HC_vs_MS.Trt_F
TMEM214	0.23356	-0.7667	0.095	0.12	1	HC_vs_MS.Trt_F
ZFP64	0.23398	-0.4354	0.633	0.68	1	HC_vs_MS.Trt_F
SEC14L4	0.23401	0.49154	0.613	0.56	1	HC_vs_MS.Trt_F
GPC2	0.23403	0.32256	0.523	0.46	1	HC_vs_MS.Trt_F
FAM63A	0.2341	0.67167	0.581	0.55	1	HC_vs_MS.Trt_F
CCDC28B	0.23453	-0.391	0.483	0.39	1	HC_vs_MS.Trt_F
MYH11	0.23462	0.37842	0.942	0.94	1	HC_vs_MS.Trt_F
GTSF1	0.23465	-0.6163	0.324	0.27	1	HC_vs_MS.Trt_F
SLC2A6	0.23475	1.50203	0.254	0.22	1	HC_vs_MS.Trt_F
TMED8	0.23477	0.40533	0.642	0.6	1	HC_vs_MS.Trt_F
HTN3	0.23507	0.28751	0.659	0.61	1	HC_vs_MS.Trt_F
EPHB6	0.23541	0.36615	0.133	0.1	1	HC_vs_MS.Trt_F
ASUN	0.23558	0.32872	0.162	0.13	1	HC_vs_MS.Trt_F
TSC22D4	0.23566	0.47491	0.303	0.27	1	HC_vs_MS.Trt_F
PRELID2	0.23569	0.59949	0.572	0.49	1	HC_vs_MS.Trt_F
RELN	0.23588	0.27858	0.156	0.13	1	HC_vs_MS.Trt_F
LMBR1L	0.23626	0.32459	0.772	0.71	1	HC_vs_MS.Trt_F
CCNK	0.23631	0.43765	0.298	0.26	1	HC_vs_MS.Trt_F
SMU1	0.23648	-0.4424	0.786	0.77	1	HC_vs_MS.Trt_F
SLA2	0.23688	-0.3596	0.572	0.6	1	HC_vs_MS.Trt_F
THAP5	0.23701	-0.7621	0.934	0.9	1	HC_vs_MS.Trt_F
UBN2	0.2371	-0.665	0.708	0.63	1	HC_vs_MS.Trt_F
AHRR	0.23721	0.30604	0.136	0.17	1	HC_vs_MS.Trt_F
C1orf52	0.23735	0.91123	0.35	0.3	1	HC_vs_MS.Trt_F
OXCT1	0.23738	0.4388	0.408	0.36	1	HC_vs_MS.Trt_F
MYLIP	0.23742	-0.6086	0.139	0.1	1	HC_vs_MS.Trt_F
SOCS2	0.23767	-0.2585	0.52	0.47	1	HC_vs_MS.Trt_F
CISD1	0.23773	-0.2812	0.124	0.09	1	HC_vs_MS.Trt_F
TRA2A	0.23824	-0.4982	0.772	0.74	1	HC_vs_MS.Trt_F
ZNF280B	0.23831	0.62731	0.139	0.11	1	HC_vs_MS.Trt_F
FBXO44	0.23839	-0.3676	0.676	0.63	1	HC_vs_MS.Trt_F
ID3	0.23844	-0.5002	0.237	0.18	1	HC_vs_MS.Trt_F
COX6A1	0.23906	-0.5886	0.133	0.16	1	HC_vs_MS.Trt_F
SLC44A2	0.23915	-0.4122	0.728	0.74	1	HC_vs_MS.Trt_F
BEND7	0.23916	-0.3041	0.408	0.36	1	HC_vs_MS.Trt_F
GMPS	0.23998	-0.3941	0.905	0.84	1	HC_vs_MS.Trt_F
SLC35E2B	0.24017	0.36786	0.616	0.55	1	HC_vs_MS.Trt_F
PSMB3	0.2402	-0.3418	0.269	0.3	1	HC_vs_MS.Trt_F

GOLGA8N	0.24057	-0.4234	0.101	0.08	1	HC_vs_MS.Trt_F
PRMT3	0.24063	-0.4657	0.358	0.3	1	HC_vs_MS.Trt_F
TSTA3	0.24091	-0.2938	0.205	0.16	1	HC_vs_MS.Trt_F
DCK	0.24115	-0.2982	0.341	0.28	1	HC_vs_MS.Trt_F
BMP8A	0.24138	0.88787	0.668	0.6	1	HC_vs_MS.Trt_F
RPS17	0.2414	-0.4969	0.474	0.42	1	HC_vs_MS.Trt_F
PAIP2B	0.24169	0.76282	0.254	0.21	1	HC_vs_MS.Trt_F
ZNF662	0.2417	-1.0104	0.595	0.58	1	HC_vs_MS.Trt_F
MAP7D3	0.24174	-0.3175	0.662	0.6	1	HC_vs_MS.Trt_F
PRKAB1	0.24174	0.34619	0.818	0.79	1	HC_vs_MS.Trt_F
STT3A	0.24192	-0.8078	0.61	0.61	1	HC_vs_MS.Trt_F
UBXN7	0.24225	0.73481	0.795	0.78	1	HC_vs_MS.Trt_F
CD34	0.24226	0.34715	0.665	0.6	1	HC_vs_MS.Trt_F
MRPS10	0.24232	0.53856	0.538	0.5	1	HC_vs_MS.Trt_F
PHF14	0.24234	0.82099	0.15	0.12	1	HC_vs_MS.Trt_F
PARL	0.2424	-0.2701	0.162	0.13	1	HC_vs_MS.Trt_F
MDFIC	0.24281	0.6338	0.408	0.36	1	HC_vs_MS.Trt_F
ZBTB17	0.24286	0.33141	0.124	0.09	1	HC_vs_MS.Trt_F
RRN3	0.2429	-0.4403	0.306	0.26	1	HC_vs_MS.Trt_F
CHD1L	0.24307	-0.3679	0.113	0.14	1	HC_vs_MS.Trt_F
BCL2L11	0.24354	-0.3279	0.549	0.5	1	HC_vs_MS.Trt_F
VAMP8	0.24357	-0.5023	0.298	0.32	1	HC_vs_MS.Trt_F
MOCOS	0.24432	0.46293	0.656	0.59	1	HC_vs_MS.Trt_F
PANK4	0.24455	0.6964	0.107	0.08	1	HC_vs_MS.Trt_F
CDIP1	0.24463	-0.5934	0.223	0.26	1	HC_vs_MS.Trt_F
INTS10	0.24464	-0.256	0.613	0.54	1	HC_vs_MS.Trt_F
SLC25A30	0.24473	0.33154	0.705	0.64	1	HC_vs_MS.Trt_F
HEATR5A	0.24491	0.27745	0.763	0.67	1	HC_vs_MS.Trt_F
ZNF547	0.24492	-0.6698	0.266	0.3	1	HC_vs_MS.Trt_F
CCDC97	0.24516	0.3581	0.185	0.15	1	HC_vs_MS.Trt_F
RYR3	0.24538	-0.6612	0.532	0.48	1	HC_vs_MS.Trt_F
FBXO36	0.2454	0.26189	0.691	0.69	1	HC_vs_MS.Trt_F
CHI3L2	0.24547	-1.0146	0.272	0.22	1	HC_vs_MS.Trt_F
HSPH1	0.24593	0.27369	0.257	0.21	1	HC_vs_MS.Trt_F
HMCES	0.24598	0.59505	0.136	0.1	1	HC_vs_MS.Trt_F
PCOLCE	0.24623	1.25866	0.133	0.1	1	HC_vs_MS.Trt_F
TOR4A	0.24652	0.43493	0.254	0.22	1	HC_vs_MS.Trt_F
FOXN2	0.24653	-0.3201	0.272	0.22	1	HC_vs_MS.Trt_F
C3orf18	0.24671	0.30434	0.315	0.27	1	HC_vs_MS.Trt_F
PIK3CG	0.24684	-0.7906	0.355	0.3	1	HC_vs_MS.Trt_F



TYSND1	0.24712	-0.3913	0.277	0.23	1	HC_vs_MS.Trt_F
ZNF550	0.24731	-0.7077	0.344	0.29	1	HC_vs_MS.Trt_F
EIF5A2	0.24765	-0.6159	0.419	0.35	1	HC_vs_MS.Trt_F
OGFOD3	0.24767	-0.4501	0.604	0.6	1	HC_vs_MS.Trt_F
FBXO34	0.24788	-0.7559	0.142	0.11	1	HC_vs_MS.Trt_F
SMAD4	0.24793	0.65692	0.512	0.44	1	HC_vs_MS.Trt_F
ANGPT4	0.24803	-0.3184	0.448	0.49	1	HC_vs_MS.Trt_F
MAP3K3	0.24846	-0.4897	0.179	0.14	1	HC_vs_MS.Trt_F
SGK494	0.24857	-0.4937	0.777	0.7	1	HC_vs_MS.Trt_F
ZBTB2	0.24887	-1.2003	0.101	0.13	1	HC_vs_MS.Trt_F
NPC1L1	0.249	0.33173	0.188	0.16	1	HC_vs_MS.Trt_F
C5orf51	0.24907	0.26506	0.145	0.11	1	HC_vs_MS.Trt_F
TUBG1	0.2494	0.79418	0.668	0.62	1	HC_vs_MS.Trt_F
GPR35	0.24954	0.82542	0.321	0.27	1	HC_vs_MS.Trt_F
TOB1	0.25	-0.303	0.621	0.63	1	HC_vs_MS.Trt_F
APIP	0.25039	-0.2536	0.509	0.48	1	HC_vs_MS.Trt_F
ATF4	0.25048	0.51632	0.188	0.16	1	HC_vs_MS.Trt_F
NPL	0.25048	1.28698	0.223	0.27	1	HC_vs_MS.Trt_F
ASB2	0.25049	-1.2951	0.078	0.1	1	HC_vs_MS.Trt_F
INTS3	0.25051	0.29416	0.769	0.73	1	HC_vs_MS.Trt_F
UBE2Q2	0.25081	0.32994	0.15	0.12	1	HC_vs_MS.Trt_F
WIZ	0.25084	0.54269	0.355	0.31	1	HC_vs_MS.Trt_F
LIFR	0.25084	-0.7781	0.142	0.18	1	HC_vs_MS.Trt_F
NRBF2	0.25139	-0.6155	0.139	0.17	1	HC_vs_MS.Trt_F
GK	0.25148	0.6359	0.228	0.19	1	HC_vs_MS.Trt_F
DNAH6	0.25159	-0.4943	0.191	0.22	1	HC_vs_MS.Trt_F
USP20	0.25186	-0.4348	0.249	0.28	1	HC_vs_MS.Trt_F
CNDP1	0.25186	0.45685	0.671	0.62	1	HC_vs_MS.Trt_F
ZBTB7A	0.25187	-0.6577	0.162	0.13	1	HC_vs_MS.Trt_F
KIF13A	0.25198	1.17076	0.364	0.31	1	HC_vs_MS.Trt_F
MYD88	0.252	0.59945	0.176	0.14	1	HC_vs_MS.Trt_F
CD300LD	0.25235	-1.1008	0.355	0.39	1	HC_vs_MS.Trt_F
APAF1	0.25266	-0.3154	0.676	0.6	1	HC_vs_MS.Trt_F
DNPH1	0.25288	-0.6712	0.185	0.21	1	HC_vs_MS.Trt_F
USF1	0.25298	-0.4665	0.223	0.18	1	HC_vs_MS.Trt_F
NDST1	0.2532	0.86994	0.382	0.43	1	HC_vs_MS.Trt_F
MRPL50	0.25335	-0.5702	0.165	0.13	1	HC_vs_MS.Trt_F
POLG	0.25346	-0.2659	0.179	0.14	1	HC_vs_MS.Trt_F
PAG1	0.25365	-0.421	0.757	0.69	1	HC_vs_MS.Trt_F
ACTR2	0.25382	-0.7345	0.413	0.42	1	HC_vs_MS.Trt_F

SIN3A	0.25383	-0.3572	0.832	0.78	1	HC_vs_MS.Trt_F
NEIL1	0.25388	0.48864	0.824	0.74	1	HC_vs_MS.Trt_F
GRN	0.25393	-0.6142	0.211	0.17	1	HC_vs_MS.Trt_F
SLC30A4	0.25406	-0.9816	0.905	0.85	1	HC_vs_MS.Trt_F
RRP8	0.25433	0.25128	0.529	0.48	1	HC_vs_MS.Trt_F
NDST2	0.25445	0.39022	0.124	0.09	1	HC_vs_MS.Trt_F
EML2	0.25449	0.33525	0.714	0.69	1	HC_vs_MS.Trt_F
CLMN	0.2549	-0.2569	0.711	0.63	1	HC_vs_MS.Trt_F
FBXO7	0.25538	0.28589	0.315	0.28	1	HC_vs_MS.Trt_F
C6orf163	0.25539	-0.3932	0.474	0.42	1	HC_vs_MS.Trt_F
MED19	0.25545	1.19328	0.113	0.09	1	HC_vs_MS.Trt_F
P4HTM	0.25557	0.39414	0.442	0.4	1	HC_vs_MS.Trt_F
RGS11	0.25565	0.60699	0.217	0.18	1	HC_vs_MS.Trt_F
PDHB	0.25578	-0.2746	0.844	0.82	1	HC_vs_MS.Trt_F
CLSPN	0.25666	0.27732	0.91	0.85	1	HC_vs_MS.Trt_F
ADGRL1	0.25714	0.38834	0.101	0.08	1	HC_vs_MS.Trt_F
PGM1	0.25724	0.37786	0.127	0.1	1	HC_vs_MS.Trt_F
ZNF16	0.25773	0.28921	0.809	0.77	1	HC_vs_MS.Trt_F
PDK3	0.25783	-0.9838	0.41	0.33	1	HC_vs_MS.Trt_F
ATG7	0.25784	-0.8829	0.63	0.54	1	HC_vs_MS.Trt_F
RUBCN	0.25791	-0.3771	0.873	0.87	1	HC_vs_MS.Trt_F
SMIM20	0.25797	-0.316	0.087	0.11	1	HC_vs_MS.Trt_F
UBE2E1	0.25798	1.01161	0.11	0.08	1	HC_vs_MS.Trt_F
TCTA	0.25804	0.2507	0.633	0.58	1	HC_vs_MS.Trt_F
TLE3	0.25805	-0.3597	0.298	0.23	1	HC_vs_MS.Trt_F
AES	0.25852	-0.2612	0.5	0.51	1	HC_vs_MS.Trt_F
LGR6	0.25861	-1.6737	0.168	0.14	1	HC_vs_MS.Trt_F
SNX20	0.25869	-0.2504	0.419	0.45	1	HC_vs_MS.Trt_F
GRINA	0.25914	0.36056	0.121	0.09	1	HC_vs_MS.Trt_F
ANKRD27	0.25936	-0.3434	0.26	0.21	1	HC_vs_MS.Trt_F
OLR1	0.25945	0.41789	0.471	0.41	1	HC_vs_MS.Trt_F
ADD1	0.25983	-0.3417	0.777	0.78	1	HC_vs_MS.Trt_F
FKBP11	0.26048	0.37625	0.72	0.7	1	HC_vs_MS.Trt_F
USF3	0.26075	0.42809	0.737	0.73	1	HC_vs_MS.Trt_F
DZIP1	0.26075	0.42272	0.393	0.36	1	HC_vs_MS.Trt_F
RFT1	0.26098	-0.2505	0.514	0.46	1	HC_vs_MS.Trt_F
CXorf57	0.26113	1.48491	0.179	0.15	1	HC_vs_MS.Trt_F
DEK	0.26116	-0.3516	0.454	0.41	1	HC_vs_MS.Trt_F
MRM2	0.26124	-0.7557	0.393	0.32	1	HC_vs_MS.Trt_F
REPS2	0.26156	0.32026	0.647	0.63	1	HC_vs_MS.Trt_F

F2RL3	0.26168	0.49763	0.818	0.73	1	HC_vs_MS.Trt_F
ANKS3	0.26171	0.38677	0.818	0.79	1	HC_vs_MS.Trt_F
HEMK1	0.26181	-0.4457	0.974	0.96	1	HC_vs_MS.Trt_F
EIF3J	0.26186	0.27256	0.202	0.17	1	HC_vs_MS.Trt_F
PAK2	0.262	0.41695	0.74	0.68	1	HC_vs_MS.Trt_F
ISYNA1	0.26273	1.04883	0.11	0.08	1	HC_vs_MS.Trt_F
CNIH1	0.26284	-0.6313	0.145	0.11	1	HC_vs_MS.Trt_F
DEF8	0.26304	-1.0521	0.512	0.46	1	HC_vs_MS.Trt_F
BRMS1	0.26339	-0.3797	0.185	0.14	1	HC_vs_MS.Trt_F
ADCY9	0.26368	-0.9498	0.335	0.29	1	HC_vs_MS.Trt_F
KRBOX4	0.2637	-0.6564	0.483	0.48	1	HC_vs_MS.Trt_F
MRPL13	0.26374	-0.2709	0.168	0.13	1	HC_vs_MS.Trt_F
SNW1	0.26397	0.3532	0.275	0.23	1	HC_vs_MS.Trt_F
LIPH	0.26411	0.30087	0.697	0.67	1	HC_vs_MS.Trt_F
CFH	0.26418	0.44285	0.127	0.1	1	HC_vs_MS.Trt_F
FAAP100	0.26422	-0.4674	0.205	0.16	1	HC_vs_MS.Trt_F
C18orf25	0.26442	-0.2638	0.468	0.5	1	HC_vs_MS.Trt_F
CCDC191	0.26447	0.55424	0.237	0.2	1	HC_vs_MS.Trt_F
PXK	0.26449	-0.2722	0.153	0.12	1	HC_vs_MS.Trt_F
POP7	0.26466	-1.0252	0.081	0.1	1	HC_vs_MS.Trt_F
TRIM8	0.26496	-0.7828	0.087	0.11	1	HC_vs_MS.Trt_F
FN3KRP	0.26497	-0.3156	0.145	0.11	1	HC_vs_MS.Trt_F
ZNF230	0.26505	0.28981	0.633	0.57	1	HC_vs_MS.Trt_F
EIF2AK4	0.26546	-0.3325	0.705	0.62	1	HC_vs_MS.Trt_F
DOPEY1	0.26583	0.73258	0.327	0.29	1	HC_vs_MS.Trt_F
APLP1	0.26584	0.27262	0.676	0.61	1	HC_vs_MS.Trt_F
MPP5	0.26612	0.37879	0.399	0.34	1	HC_vs_MS.Trt_F
DUSP12	0.26615	-0.6905	0.341	0.35	1	HC_vs_MS.Trt_F
GGT7	0.26627	0.29877	0.194	0.16	1	HC_vs_MS.Trt_F
NFYB	0.26629	-1.4496	0.303	0.33	1	HC_vs_MS.Trt_F
AMACR	0.26633	-0.7467	0.075	0.1	1	HC_vs_MS.Trt_F
SLC37A3	0.26645	-0.4038	0.945	0.94	1	HC_vs_MS.Trt_F
SMG8	0.26672	-0.9889	0.107	0.13	1	HC_vs_MS.Trt_F
MGST3	0.2674	-0.3302	0.902	0.82	1	HC_vs_MS.Trt_F
SCPEP1	0.26751	0.34086	0.772	0.79	1	HC_vs_MS.Trt_F
RING1	0.26768	0.43746	0.104	0.08	1	HC_vs_MS.Trt_F
SGSH	0.26778	0.4618	0.558	0.53	1	HC_vs_MS.Trt_F
THOC6	0.26787	0.65276	0.13	0.1	1	HC_vs_MS.Trt_F
GPR183	0.26818	0.278	0.402	0.37	1	HC_vs_MS.Trt_F
AGPAT1	0.26824	-0.9802	0.118	0.14	1	HC_vs_MS.Trt_F

TOMM20	0.26825	0.28239	0.231	0.19	1	HC_vs_MS.Trt_F
FYCO1	0.2684	0.48209	0.214	0.18	1	HC_vs_MS.Trt_F
RFX3	0.2685	0.42997	0.228	0.19	1	HC_vs_MS.Trt_F
TYMP	0.26851	0.83281	0.367	0.32	1	HC_vs_MS.Trt_F
ZNF415	0.26853	-0.7326	0.332	0.3	1	HC_vs_MS.Trt_F
POMT1	0.26866	-0.271	0.584	0.55	1	HC_vs_MS.Trt_F
IFT57	0.269	0.45109	0.142	0.11	1	HC_vs_MS.Trt_F
CACUL1	0.26961	-1.0654	0.783	0.77	1	HC_vs_MS.Trt_F
ATG3	0.26966	-0.2935	0.5	0.46	1	HC_vs_MS.Trt_F
LRRC49	0.26972	1.16232	0.792	0.77	1	HC_vs_MS.Trt_F
NKIRAS2	0.26985	-0.8133	0.873	0.84	1	HC_vs_MS.Trt_F
TOR2A	0.27045	-0.9262	0.133	0.1	1	HC_vs_MS.Trt_F
ARHGEF40	0.27046	-0.8513	0.217	0.18	1	HC_vs_MS.Trt_F
HSD17B4	0.27053	-0.667	0.656	0.59	1	HC_vs_MS.Trt_F
BTBD7	0.27088	-0.6955	0.818	0.79	1	HC_vs_MS.Trt_F
HIPK3	0.27121	0.41637	0.179	0.15	1	HC_vs_MS.Trt_F
PIK3R3	0.27145	0.42115	0.569	0.5	1	HC_vs_MS.Trt_F
CDH26	0.27153	0.65872	0.173	0.14	1	HC_vs_MS.Trt_F
MIF	0.27157	-0.6401	0.471	0.46	1	HC_vs_MS.Trt_F
F3	0.27167	0.26551	0.535	0.5	1	HC_vs_MS.Trt_F
RGP1	0.27193	0.58858	0.194	0.16	1	HC_vs_MS.Trt_F
PIP5K1C	0.27203	0.38026	0.13	0.1	1	HC_vs_MS.Trt_F
KNG1	0.27222	0.73796	0.263	0.22	1	HC_vs_MS.Trt_F
SFXN5	0.27251	0.47644	0.945	0.94	1	HC_vs_MS.Trt_F
MTMR2	0.27257	-0.9503	0.208	0.17	1	HC_vs_MS.Trt_F
CAMSAP1	0.2729	0.4939	0.104	0.08	1	HC_vs_MS.Trt_F
ZNF630	0.27358	0.77833	0.413	0.45	1	HC_vs_MS.Trt_F
SKIL	0.27409	0.2542	0.341	0.37	1	HC_vs_MS.Trt_F
MATN1	0.27444	0.28252	0.116	0.09	1	HC_vs_MS.Trt_F
C17orf89	0.27468	-0.9225	0.095	0.12	1	HC_vs_MS.Trt_F
UBE2L3	0.27476	-0.4328	0.286	0.31	1	HC_vs_MS.Trt_F
CAPN10	0.27493	0.33474	0.566	0.51	1	HC_vs_MS.Trt_F
CH507-9B2.!	0.27497	1.1669	0.142	0.11	1	HC_vs_MS.Trt_F
PHF8	0.27523	0.66269	0.15	0.12	1	HC_vs_MS.Trt_F
PARP8	0.27546	-0.4249	0.514	0.45	1	HC_vs_MS.Trt_F
ZNF569	0.27563	0.42727	0.228	0.19	1	HC_vs_MS.Trt_F
SNX11	0.27628	0.47124	0.642	0.6	1	HC_vs_MS.Trt_F
GTF2H1	0.27647	0.642	0.448	0.41	1	HC_vs_MS.Trt_F
IKBKG	0.27649	0.28479	0.199	0.17	1	HC_vs_MS.Trt_F
POLI	0.27651	-0.9164	0.41	0.35	1	HC_vs_MS.Trt_F

ARV1	0.27656	0.83605	0.329	0.28	1	HC_vs_MS.Trt_F
ITGB1BP1	0.27667	-0.8019	0.191	0.22	1	HC_vs_MS.Trt_F
RASSF3	0.27671	-0.433	0.569	0.58	1	HC_vs_MS.Trt_F
R3HCC1	0.27676	0.37367	0.139	0.11	1	HC_vs_MS.Trt_F
PRKAR1B	0.27684	-0.5055	0.127	0.1	1	HC_vs_MS.Trt_F
STAM2	0.27687	-0.7653	0.552	0.58	1	HC_vs_MS.Trt_F
CCR10	0.27724	0.37067	0.156	0.12	1	HC_vs_MS.Trt_F
FAM189B	0.27744	0.29286	0.746	0.71	1	HC_vs_MS.Trt_F
KIZ	0.27745	0.47919	0.147	0.12	1	HC_vs_MS.Trt_F
DYDC2	0.27774	0.29321	0.101	0.08	1	HC_vs_MS.Trt_F
CPSF3	0.27785	0.79859	0.136	0.11	1	HC_vs_MS.Trt_F
CPSF4	0.27786	-0.3807	0.497	0.42	1	HC_vs_MS.Trt_F
ALG2	0.27808	-0.8276	0.11	0.13	1	HC_vs_MS.Trt_F
AC138969.4	0.27819	0.72659	0.448	0.4	1	HC_vs_MS.Trt_F
ZNF30	0.27829	-0.3176	0.078	0.1	1	HC_vs_MS.Trt_F
DUS3L	0.27843	-0.3084	0.188	0.15	1	HC_vs_MS.Trt_F
B3GAT2	0.27866	-1.198	0.202	0.17	1	HC_vs_MS.Trt_F
DGCR6L	0.27879	0.261	0.171	0.14	1	HC_vs_MS.Trt_F
LRWD1	0.27898	0.44758	0.61	0.63	1	HC_vs_MS.Trt_F
ERMN	0.27904	-0.6189	0.197	0.23	1	HC_vs_MS.Trt_F
C2orf50	0.27908	-0.2691	0.41	0.41	1	HC_vs_MS.Trt_F
TRAPPC10	0.27922	0.82362	0.295	0.26	1	HC_vs_MS.Trt_F
SLC23A2	0.27922	0.54629	0.179	0.15	1	HC_vs_MS.Trt_F
ENPP6	0.27926	0.34597	0.37	0.32	1	HC_vs_MS.Trt_F
ZFX	0.27978	-0.6067	0.653	0.62	1	HC_vs_MS.Trt_F
ZNF613	0.27979	-1.414	0.422	0.36	1	HC_vs_MS.Trt_F
C16orf58	0.27984	-0.6398	0.179	0.14	1	HC_vs_MS.Trt_F
SERPINH1	0.27988	-0.3075	0.39	0.34	1	HC_vs_MS.Trt_F
COX10	0.27999	0.83216	0.13	0.1	1	HC_vs_MS.Trt_F
GPD1L	0.28045	-0.5904	0.136	0.16	1	HC_vs_MS.Trt_F
PRIM1	0.28057	0.55757	0.176	0.14	1	HC_vs_MS.Trt_F
SUFU	0.28061	0.27547	0.121	0.09	1	HC_vs_MS.Trt_F
CLPTM1	0.28137	-0.4041	0.225	0.18	1	HC_vs_MS.Trt_F
PRRC1	0.28139	-0.9156	0.448	0.36	1	HC_vs_MS.Trt_F
ZMAT2	0.28156	-0.4765	0.136	0.1	1	HC_vs_MS.Trt_F
QTRT1	0.28168	0.32668	0.844	0.82	1	HC_vs_MS.Trt_F
ABHD17A	0.28184	0.67244	0.136	0.11	1	HC_vs_MS.Trt_F
PINK1	0.28187	0.50253	0.301	0.26	1	HC_vs_MS.Trt_F
SMARCA4	0.28293	0.36463	0.829	0.81	1	HC_vs_MS.Trt_F
EMD	0.28295	0.30338	0.329	0.29	1	HC_vs_MS.Trt_F

ZNF706	0.28302	-0.4006	0.373	0.4	1	HC_vs_MS.Trt_F
ABCD4	0.28314	-0.3477	0.855	0.8	1	HC_vs_MS.Trt_F
HDAC3	0.2832	-0.3283	0.156	0.12	1	HC_vs_MS.Trt_F
ATP5G2	0.28325	-0.3662	0.87	0.87	1	HC_vs_MS.Trt_F
RECQL	0.28341	-1.0631	0.171	0.19	1	HC_vs_MS.Trt_F
TOR1AIP2	0.28344	-0.4885	0.994	0.98	1	HC_vs_MS.Trt_F
MTHFR	0.28357	-0.3911	0.838	0.8	1	HC_vs_MS.Trt_F
TNFAIP1	0.2842	0.80183	0.113	0.09	1	HC_vs_MS.Trt_F
MKRN2	0.28491	0.38535	0.118	0.09	1	HC_vs_MS.Trt_F
ARF4	0.28507	-1.1549	0.182	0.21	1	HC_vs_MS.Trt_F
PLCD4	0.28513	0.39573	0.344	0.3	1	HC_vs_MS.Trt_F
SERTAD2	0.28514	0.61947	0.145	0.12	1	HC_vs_MS.Trt_F
FAM76A	0.28595	-0.6411	0.855	0.86	1	HC_vs_MS.Trt_F
ZNF524	0.286	-0.6929	0.124	0.15	1	HC_vs_MS.Trt_F
TRIM34	0.28605	-0.4612	0.387	0.31	1	HC_vs_MS.Trt_F
CTD-3088G3	0.28609	0.42244	0.561	0.5	1	HC_vs_MS.Trt_F
TROVE2	0.28624	-0.353	0.717	0.64	1	HC_vs_MS.Trt_F
CDYL2	0.2866	0.26605	0.127	0.1	1	HC_vs_MS.Trt_F
NAIF1	0.28675	0.27593	0.659	0.6	1	HC_vs_MS.Trt_F
HARBI1	0.28687	-0.6266	0.665	0.6	1	HC_vs_MS.Trt_F
IARS2	0.28701	-0.3387	0.171	0.14	1	HC_vs_MS.Trt_F
DCAF6	0.28718	0.55433	0.269	0.22	1	HC_vs_MS.Trt_F
LSM4	0.28748	-0.2555	0.22	0.18	1	HC_vs_MS.Trt_F
AP5B1	0.28774	0.58917	0.335	0.29	1	HC_vs_MS.Trt_F
PDCL3	0.28808	-0.5328	0.124	0.15	1	HC_vs_MS.Trt_F
RNF111	0.28817	-0.3216	0.335	0.28	1	HC_vs_MS.Trt_F
ALG10B	0.2882	-0.2636	0.725	0.75	1	HC_vs_MS.Trt_F
ATG5	0.28835	-0.4913	0.185	0.15	1	HC_vs_MS.Trt_F
ZNF33B	0.2884	-0.6987	0.488	0.51	1	HC_vs_MS.Trt_F
DNAJC7	0.28861	-0.4962	0.977	0.97	1	HC_vs_MS.Trt_F
CDNF	0.28882	-0.8039	0.199	0.23	1	HC_vs_MS.Trt_F
NCDN	0.28922	0.32311	0.211	0.17	1	HC_vs_MS.Trt_F
CELF1	0.28974	-0.5872	0.477	0.39	1	HC_vs_MS.Trt_F
SEMA5A	0.2898	0.37135	0.39	0.41	1	HC_vs_MS.Trt_F
TRIM35	0.28985	-0.5598	0.202	0.22	1	HC_vs_MS.Trt_F
COG8	0.29012	-0.2858	0.679	0.67	1	HC_vs_MS.Trt_F
DTWD1	0.29076	-0.2855	0.659	0.62	1	HC_vs_MS.Trt_F
SKI	0.29083	0.6009	0.133	0.1	1	HC_vs_MS.Trt_F
UTY	0.29084	1.19011	0.497	0.43	1	HC_vs_MS.Trt_F
FRMD8	0.29113	-0.631	0.639	0.64	1	HC_vs_MS.Trt_F

MANEA	0.29155	0.53409	0.145	0.12	1	HC_vs_MS.Trt_F
TM2D2	0.29163	-0.5754	0.454	0.39	1	HC_vs_MS.Trt_F
PTRH2	0.29175	-0.8219	0.217	0.18	1	HC_vs_MS.Trt_F
PPP1R13B	0.29197	0.36354	0.535	0.47	1	HC_vs_MS.Trt_F
TET3	0.29248	0.67832	0.107	0.08	1	HC_vs_MS.Trt_F
CEP63	0.29266	-0.381	0.786	0.67	1	HC_vs_MS.Trt_F
ZNF581	0.29266	1.05543	0.116	0.09	1	HC_vs_MS.Trt_F
ARFRP1	0.29266	0.27359	0.509	0.48	1	HC_vs_MS.Trt_F
ZNF737	0.29277	0.42416	0.899	0.85	1	HC_vs_MS.Trt_F
RPUSD4	0.29309	-0.4061	0.749	0.69	1	HC_vs_MS.Trt_F
CDC26	0.29356	-0.7615	0.231	0.25	1	HC_vs_MS.Trt_F
AGAP2	0.29399	0.44435	0.225	0.19	1	HC_vs_MS.Trt_F
PTPRF	0.29401	-0.2854	0.341	0.36	1	HC_vs_MS.Trt_F
GALK2	0.29402	0.33622	0.91	0.89	1	HC_vs_MS.Trt_F
DOCK4	0.29407	0.44896	0.318	0.28	1	HC_vs_MS.Trt_F
MTMR3	0.29448	1.17976	0.272	0.24	1	HC_vs_MS.Trt_F
GINS4	0.29452	0.29177	0.916	0.86	1	HC_vs_MS.Trt_F
RIN1	0.29458	1.04029	0.199	0.23	1	HC_vs_MS.Trt_F
CLDN12	0.29502	0.28464	0.471	0.44	1	HC_vs_MS.Trt_F
CGREF1	0.29511	0.42259	0.101	0.13	1	HC_vs_MS.Trt_F
ABCD3	0.29538	-0.4902	0.176	0.14	1	HC_vs_MS.Trt_F
TRMT44	0.2957	0.26304	0.28	0.23	1	HC_vs_MS.Trt_F
SNRPD2	0.29579	-0.331	0.509	0.53	1	HC_vs_MS.Trt_F
ERP27	0.29604	-0.2798	0.26	0.22	1	HC_vs_MS.Trt_F
METTL9	0.29623	-0.4869	0.656	0.59	1	HC_vs_MS.Trt_F
ARL10	0.29631	-0.453	0.922	0.9	1	HC_vs_MS.Trt_F
IL24	0.29644	0.95384	0.136	0.11	1	HC_vs_MS.Trt_F
NOMO1	0.29678	-0.3856	0.199	0.17	1	HC_vs_MS.Trt_F
TMEM230	0.29686	-0.2889	0.46	0.5	1	HC_vs_MS.Trt_F
SHISA2	0.29707	0.35693	0.298	0.26	1	HC_vs_MS.Trt_F
NOVA1	0.29746	0.46126	0.113	0.09	1	HC_vs_MS.Trt_F
LARP4B	0.29777	-1.0013	0.283	0.31	1	HC_vs_MS.Trt_F
MIEF1	0.29786	-0.5	0.477	0.43	1	HC_vs_MS.Trt_F
CHMP2B	0.29837	-0.3233	0.176	0.14	1	HC_vs_MS.Trt_F
AFAP1L1	0.29839	0.88146	0.569	0.54	1	HC_vs_MS.Trt_F
TOMM5	0.29842	-0.7926	0.194	0.22	1	HC_vs_MS.Trt_F
PIK3AP1	0.29871	1.15142	0.147	0.12	1	HC_vs_MS.Trt_F
SNAPC3	0.29881	-0.3646	0.642	0.59	1	HC_vs_MS.Trt_F
RAP1GAP2	0.29891	-0.5949	0.246	0.27	1	HC_vs_MS.Trt_F
TRAPPC5	0.29902	-0.2769	0.942	0.91	1	HC_vs_MS.Trt_F

SLC35A2	0.29952	0.32022	0.104	0.08	1	HC_vs_MS.Trt_F
PCNT	0.29993	-0.3133	0.199	0.23	1	HC_vs_MS.Trt_F
TRAPPC2	0.30033	-0.3781	0.948	0.89	1	HC_vs_MS.Trt_F
YEATS4	0.30038	-0.4939	0.225	0.19	1	HC_vs_MS.Trt_F
GLTSCR2	0.30047	0.47994	0.876	0.87	1	HC_vs_MS.Trt_F
WDR61	0.3005	-0.2841	0.217	0.17	1	HC_vs_MS.Trt_F
SIGLEC14	0.30084	0.55548	0.289	0.25	1	HC_vs_MS.Trt_F
RELA	0.30099	0.58221	0.214	0.18	1	HC_vs_MS.Trt_F
FAM83G	0.30106	-0.3303	0.465	0.41	1	HC_vs_MS.Trt_F
GRPEL1	0.30117	-1.0039	0.156	0.18	1	HC_vs_MS.Trt_F
EHBP1L1	0.30151	-0.3099	0.246	0.2	1	HC_vs_MS.Trt_F
PNO1	0.30176	0.26377	0.702	0.67	1	HC_vs_MS.Trt_F
SIK1	0.30179	1.33338	0.159	0.13	1	HC_vs_MS.Trt_F
POLM	0.30206	-0.3015	0.566	0.52	1	HC_vs_MS.Trt_F
OCIAD1	0.30258	-0.617	0.633	0.68	1	HC_vs_MS.Trt_F
FAAH2	0.30294	0.78583	0.127	0.1	1	HC_vs_MS.Trt_F
DCLK1	0.303	0.88284	0.361	0.31	1	HC_vs_MS.Trt_F
NOP14	0.30357	0.31615	0.442	0.39	1	HC_vs_MS.Trt_F
SLC14A1	0.30363	-0.7495	0.552	0.5	1	HC_vs_MS.Trt_F
RHOBTB2	0.3041	1.09926	0.104	0.08	1	HC_vs_MS.Trt_F
MGRN1	0.30449	0.38667	0.864	0.84	1	HC_vs_MS.Trt_F
COL1A1	0.30472	0.33397	0.558	0.53	1	HC_vs_MS.Trt_F
SEC24B	0.30473	-0.2827	0.538	0.5	1	HC_vs_MS.Trt_F
RALGPS2	0.30473	0.40566	0.37	0.42	1	HC_vs_MS.Trt_F
KLHL2	0.30508	-0.6335	0.367	0.34	1	HC_vs_MS.Trt_F
MIER2	0.30528	-0.6271	0.509	0.53	1	HC_vs_MS.Trt_F
CD276	0.30532	0.43722	0.512	0.46	1	HC_vs_MS.Trt_F
ELMSAN1	0.30553	-0.9309	0.749	0.73	1	HC_vs_MS.Trt_F
DENND6B	0.3061	0.75642	0.399	0.35	1	HC_vs_MS.Trt_F
NDUFS4	0.30669	-0.5348	0.353	0.3	1	HC_vs_MS.Trt_F
DOCK7	0.30744	0.29017	0.974	0.95	1	HC_vs_MS.Trt_F
URB1	0.30751	1.25779	0.52	0.45	1	HC_vs_MS.Trt_F
MBD3	0.30753	0.39455	0.775	0.71	1	HC_vs_MS.Trt_F
SEL1L3	0.30754	-0.4785	0.321	0.27	1	HC_vs_MS.Trt_F
NEIL3	0.30765	-0.5456	0.295	0.25	1	HC_vs_MS.Trt_F
PRDX3	0.3078	-0.3461	0.532	0.46	1	HC_vs_MS.Trt_F
PABPC1L	0.30789	0.80538	0.321	0.29	1	HC_vs_MS.Trt_F
BECN1	0.30797	-0.3099	0.775	0.73	1	HC_vs_MS.Trt_F
SENP6	0.30802	-0.4361	0.922	0.86	1	HC_vs_MS.Trt_F
COX8A	0.30878	-0.3602	0.28	0.23	1	HC_vs_MS.Trt_F



CBX3	0.30887	-0.3146	0.587	0.51	1	HC_vs_MS.Trt_F
MAK16	0.30889	-0.4373	0.107	0.13	1	HC_vs_MS.Trt_F
SARDH	0.30896	0.63098	0.486	0.44	1	HC_vs_MS.Trt_F
ARHGAP5	0.30931	0.39711	0.462	0.41	1	HC_vs_MS.Trt_F
IDH1	0.30951	1.10747	0.249	0.22	1	HC_vs_MS.Trt_F
RP9	0.30958	0.28474	0.127	0.1	1	HC_vs_MS.Trt_F
GRK3	0.30967	-0.6717	0.408	0.35	1	HC_vs_MS.Trt_F
ADAR	0.31036	0.4523	0.841	0.81	1	HC_vs_MS.Trt_F
UBLCP1	0.31073	0.3275	0.214	0.18	1	HC_vs_MS.Trt_F
UBE3D	0.31106	-0.3483	0.671	0.64	1	HC_vs_MS.Trt_F
C1orf131	0.31159	-0.8503	0.636	0.59	1	HC_vs_MS.Trt_F
CLIP2	0.3117	0.44458	0.405	0.36	1	HC_vs_MS.Trt_F
HMGN3	0.31171	-0.8223	0.211	0.23	1	HC_vs_MS.Trt_F
LANCL3	0.31207	-1.0397	0.358	0.31	1	HC_vs_MS.Trt_F
RPE	0.31213	0.43802	0.353	0.32	1	HC_vs_MS.Trt_F
EMC1	0.31225	-0.3675	0.876	0.83	1	HC_vs_MS.Trt_F
AL354822.1	0.31229	0.48104	0.286	0.24	1	HC_vs_MS.Trt_F
PSG2	0.3124	0.36754	0.124	0.1	1	HC_vs_MS.Trt_F
SGPL1	0.31277	-0.8523	0.471	0.51	1	HC_vs_MS.Trt_F
AP1G1	0.31323	0.28377	0.737	0.68	1	HC_vs_MS.Trt_F
PUS7	0.31353	-0.5443	0.373	0.33	1	HC_vs_MS.Trt_F
ZNF227	0.31358	0.35035	0.549	0.52	1	HC_vs_MS.Trt_F
FAM21A	0.3136	-0.9136	0.225	0.18	1	HC_vs_MS.Trt_F
ZNF678	0.31372	0.66233	0.228	0.19	1	HC_vs_MS.Trt_F
C21orf91	0.31383	-0.5239	0.22	0.18	1	HC_vs_MS.Trt_F
ZNF407	0.31387	0.39483	0.124	0.1	1	HC_vs_MS.Trt_F
INTS6	0.31429	-0.4974	0.954	0.95	1	HC_vs_MS.Trt_F
GGA3	0.31451	-0.5135	0.191	0.21	1	HC_vs_MS.Trt_F
OSBPL7	0.31469	0.47209	0.116	0.09	1	HC_vs_MS.Trt_F
GRAMD1B	0.3148	-0.3629	0.312	0.33	1	HC_vs_MS.Trt_F
CTSO	0.31483	0.32611	0.124	0.1	1	HC_vs_MS.Trt_F
CLN8	0.3152	-0.3627	0.847	0.8	1	HC_vs_MS.Trt_F
USP16	0.31533	0.36999	0.529	0.5	1	HC_vs_MS.Trt_F
THAP7	0.31543	0.48027	0.139	0.11	1	HC_vs_MS.Trt_F
FGF9	0.31545	-0.3447	0.156	0.13	1	HC_vs_MS.Trt_F
GRIN2C	0.31559	0.59509	0.28	0.24	1	HC_vs_MS.Trt_F
PAX5	0.31627	-0.2515	0.159	0.13	1	HC_vs_MS.Trt_F
SH3RF2	0.3164	0.55528	0.191	0.22	1	HC_vs_MS.Trt_F
SP140	0.31647	0.26931	0.289	0.24	1	HC_vs_MS.Trt_F
NRF1	0.31663	-1.1625	0.358	0.31	1	HC_vs_MS.Trt_F

ARHGAP19	0.31664	-0.9396	0.277	0.3	1	HC_vs_MS.Trt_F
FBXO42	0.31688	0.50186	0.512	0.49	1	HC_vs_MS.Trt_F
BLMH	0.31688	-0.7047	0.65	0.65	1	HC_vs_MS.Trt_F
C1D	0.31697	-0.6432	0.139	0.16	1	HC_vs_MS.Trt_F
GSE1	0.31698	0.56403	0.454	0.4	1	HC_vs_MS.Trt_F
PDCD10	0.317	-0.2814	0.243	0.2	1	HC_vs_MS.Trt_F
UBE2L5P	0.31707	0.55821	0.283	0.24	1	HC_vs_MS.Trt_F
LINC00854	0.31797	0.72534	0.708	0.66	1	HC_vs_MS.Trt_F
INTS6L	0.31806	-0.3879	0.142	0.11	1	HC_vs_MS.Trt_F
WDYHV1	0.3182	0.52579	0.13	0.1	1	HC_vs_MS.Trt_F
KLHDC2	0.31832	-0.6611	0.246	0.27	1	HC_vs_MS.Trt_F
SPTBN1	0.31835	-0.3752	0.344	0.29	1	HC_vs_MS.Trt_F
IMPDH1	0.31861	-0.3644	0.139	0.17	1	HC_vs_MS.Trt_F
SLC39A9	0.31862	0.31461	0.225	0.19	1	HC_vs_MS.Trt_F
ZNF93	0.31875	-0.5094	0.613	0.53	1	HC_vs_MS.Trt_F
SPRED1	0.31938	0.27773	0.188	0.16	1	HC_vs_MS.Trt_F
SLX1B	0.31954	-0.4239	0.5	0.5	1	HC_vs_MS.Trt_F
CD40	0.31973	0.45481	0.185	0.15	1	HC_vs_MS.Trt_F
STARD10	0.31977	0.2665	0.855	0.82	1	HC_vs_MS.Trt_F
SNAPC5	0.31986	-0.5266	0.616	0.6	1	HC_vs_MS.Trt_F
ANGEL1	0.31996	0.34729	0.471	0.43	1	HC_vs_MS.Trt_F
PPT1	0.32031	-0.6546	0.214	0.23	1	HC_vs_MS.Trt_F
MAGED2	0.32072	-0.4791	0.24	0.19	1	HC_vs_MS.Trt_F
CNOT7	0.32088	-0.8124	0.546	0.54	1	HC_vs_MS.Trt_F
POU6F1	0.32123	-0.3487	0.558	0.49	1	HC_vs_MS.Trt_F
SIGLEC8	0.32176	0.30014	0.578	0.52	1	HC_vs_MS.Trt_F
MEIS3	0.3224	-1.1802	0.127	0.1	1	HC_vs_MS.Trt_F
COG1	0.32244	0.35632	0.902	0.85	1	HC_vs_MS.Trt_F
DNAJC13	0.32264	0.36891	0.263	0.22	1	HC_vs_MS.Trt_F
RND1	0.32268	0.28896	0.613	0.57	1	HC_vs_MS.Trt_F
FAM210A	0.32297	-0.2803	0.39	0.33	1	HC_vs_MS.Trt_F
ZCCHC11	0.32326	0.38618	0.945	0.92	1	HC_vs_MS.Trt_F
ACSM6	0.32387	0.45274	0.147	0.12	1	HC_vs_MS.Trt_F
IFIT3	0.32409	-2.123	0.581	0.56	1	HC_vs_MS.Trt_F
MS4A2	0.32416	0.51613	0.61	0.57	1	HC_vs_MS.Trt_F
SLC22A23	0.32441	1.5538	0.101	0.08	1	HC_vs_MS.Trt_F
CEP78	0.3253	0.79116	0.592	0.52	1	HC_vs_MS.Trt_F
TRIM66	0.32538	-0.3045	0.523	0.49	1	HC_vs_MS.Trt_F
VPS29	0.32588	-0.3339	0.535	0.48	1	HC_vs_MS.Trt_F
TTC34	0.32695	0.44283	0.217	0.18	1	HC_vs_MS.Trt_F

AHSA2	0.32745	0.27373	0.283	0.24	1	HC_vs_MS.Trt_F
ADPRH	0.32753	-0.3831	0.081	0.1	1	HC_vs_MS.Trt_F
JARID2	0.32757	-0.6718	0.26	0.21	1	HC_vs_MS.Trt_F
GTF2H4	0.3278	-0.2915	0.113	0.14	1	HC_vs_MS.Trt_F
SEC22A	0.32806	-0.3934	0.702	0.64	1	HC_vs_MS.Trt_F
TMF1	0.32852	-0.2549	0.228	0.19	1	HC_vs_MS.Trt_F
TBXAS1	0.32857	0.68399	0.434	0.39	1	HC_vs_MS.Trt_F
ICE1	0.32861	-0.3817	0.118	0.14	1	HC_vs_MS.Trt_F
C1GALT1	0.32864	-0.4397	0.613	0.6	1	HC_vs_MS.Trt_F
NDUFS6	0.32868	-0.4486	0.171	0.14	1	HC_vs_MS.Trt_F
IL13RA1	0.32893	0.32397	0.329	0.28	1	HC_vs_MS.Trt_F
B3GNT2	0.3292	0.25199	0.188	0.16	1	HC_vs_MS.Trt_F
PARG	0.32938	-0.8664	0.188	0.16	1	HC_vs_MS.Trt_F
PIP5KL1	0.32958	0.3167	0.503	0.5	1	HC_vs_MS.Trt_F
DNAJC27	0.32958	0.41016	0.104	0.08	1	HC_vs_MS.Trt_F
ABCF2	0.32984	0.53658	0.303	0.26	1	HC_vs_MS.Trt_F
NR1H2	0.32985	0.28286	0.564	0.51	1	HC_vs_MS.Trt_F
ADAMTS1	0.32992	-0.2997	0.5	0.44	1	HC_vs_MS.Trt_F
POGLUT1	0.3302	-0.2588	0.269	0.3	1	HC_vs_MS.Trt_F
FAM188B	0.3303	0.70504	0.182	0.16	1	HC_vs_MS.Trt_F
ATP5J	0.33069	-1.073	0.225	0.24	1	HC_vs_MS.Trt_F
STARD9	0.33082	0.25653	0.931	0.9	1	HC_vs_MS.Trt_F
STK16	0.33116	-0.4792	0.092	0.12	1	HC_vs_MS.Trt_F
LEMD2	0.33126	1.08625	0.118	0.09	1	HC_vs_MS.Trt_F
ZSCAN2	0.33223	0.49022	0.829	0.76	1	HC_vs_MS.Trt_F
RNFT1	0.33234	-0.359	0.442	0.39	1	HC_vs_MS.Trt_F
NOL10	0.33251	0.59246	0.202	0.17	1	HC_vs_MS.Trt_F
TRIM33	0.33283	0.26355	0.396	0.36	1	HC_vs_MS.Trt_F
CTD-2331H1	0.33285	-0.748	0.217	0.25	1	HC_vs_MS.Trt_F
TDG	0.33314	0.58069	0.35	0.33	1	HC_vs_MS.Trt_F
HSBP1	0.33336	-0.6068	0.639	0.64	1	HC_vs_MS.Trt_F
RBM47	0.33337	0.37089	0.494	0.44	1	HC_vs_MS.Trt_F
TMEM55B	0.33351	0.87583	0.113	0.09	1	HC_vs_MS.Trt_F
VRK1	0.33414	0.74051	0.231	0.2	1	HC_vs_MS.Trt_F
SRSF9	0.33466	-0.6842	0.156	0.18	1	HC_vs_MS.Trt_F
ZDHHC17	0.33477	0.82229	0.341	0.31	1	HC_vs_MS.Trt_F
TMEM147	0.33492	-0.403	0.165	0.13	1	HC_vs_MS.Trt_F
ZNF22	0.33518	0.6641	0.118	0.09	1	HC_vs_MS.Trt_F
TRPS1	0.33563	1.54946	0.127	0.1	1	HC_vs_MS.Trt_F
BLVRA	0.33597	0.34239	0.156	0.13	1	HC_vs_MS.Trt_F

PLCH2	0.33619	1.49775	0.104	0.08	1	HC_vs_MS.Trt_F
MKKS	0.33626	-0.7546	0.104	0.13	1	HC_vs_MS.Trt_F
MEGF8	0.33635	0.33127	0.532	0.51	1	HC_vs_MS.Trt_F
TRIM38	0.3365	0.25311	0.905	0.85	1	HC_vs_MS.Trt_F
CAB39	0.33659	-0.5254	0.329	0.28	1	HC_vs_MS.Trt_F
RAD17	0.33684	-0.7338	0.471	0.42	1	HC_vs_MS.Trt_F
IFITM1	0.33744	-0.2511	0.546	0.55	1	HC_vs_MS.Trt_F
RAB10	0.33814	-0.7868	0.225	0.24	1	HC_vs_MS.Trt_F
SLC16A6	0.33822	-0.9454	0.275	0.23	1	HC_vs_MS.Trt_F
TGDS	0.33834	-0.5368	0.098	0.12	1	HC_vs_MS.Trt_F
CP	0.33865	-1.7015	0.15	0.12	1	HC_vs_MS.Trt_F
FAM181B	0.33922	0.25888	0.13	0.11	1	HC_vs_MS.Trt_F
RNF180	0.33937	-0.5564	0.35	0.31	1	HC_vs_MS.Trt_F
MYB	0.33943	0.3182	0.364	0.32	1	HC_vs_MS.Trt_F
PFAS	0.33962	-0.893	0.662	0.6	1	HC_vs_MS.Trt_F
DNAJC11	0.33972	0.61709	0.22	0.19	1	HC_vs_MS.Trt_F
XXYL1	0.33974	-0.6644	0.217	0.18	1	HC_vs_MS.Trt_F
HLTF	0.33988	1.16363	0.494	0.44	1	HC_vs_MS.Trt_F
NPAS3	0.3399	0.56781	0.448	0.4	1	HC_vs_MS.Trt_F
L3HYPDH	0.33995	-0.5402	0.208	0.18	1	HC_vs_MS.Trt_F
OPA3	0.34007	0.33925	0.977	0.96	1	HC_vs_MS.Trt_F
DLGAP1	0.34011	-0.4898	0.379	0.38	1	HC_vs_MS.Trt_F
MAGEH1	0.34065	0.46261	0.11	0.09	1	HC_vs_MS.Trt_F
RBM14-RBM	0.34067	0.3436	0.139	0.11	1	HC_vs_MS.Trt_F
TMEM159	0.34081	0.26625	0.61	0.62	1	HC_vs_MS.Trt_F
B3GNT4	0.34083	-0.7979	0.127	0.16	1	HC_vs_MS.Trt_F
DCLRE1C	0.34118	-0.5804	0.717	0.69	1	HC_vs_MS.Trt_F
ZNF177	0.34121	0.51412	0.107	0.13	1	HC_vs_MS.Trt_F
SNRPE	0.34125	-0.4369	0.159	0.13	1	HC_vs_MS.Trt_F
RPS6KC1	0.34127	0.87231	0.121	0.1	1	HC_vs_MS.Trt_F
DERL2	0.34147	-0.3664	0.341	0.3	1	HC_vs_MS.Trt_F
UVRAG	0.34168	0.38042	0.41	0.36	1	HC_vs_MS.Trt_F
ID2	0.34171	0.5743	0.118	0.1	1	HC_vs_MS.Trt_F
FKBP3	0.34182	-0.4023	0.301	0.25	1	HC_vs_MS.Trt_F
ERCC4	0.34211	0.38048	0.884	0.89	1	HC_vs_MS.Trt_F
PRC1	0.34226	-0.3906	0.61	0.55	1	HC_vs_MS.Trt_F
MTMR4	0.34234	0.66063	0.298	0.26	1	HC_vs_MS.Trt_F
CTNS	0.34248	0.65076	0.182	0.16	1	HC_vs_MS.Trt_F
DDX54	0.34274	-0.6522	0.139	0.16	1	HC_vs_MS.Trt_F
CCDC88B	0.34309	0.55042	0.766	0.83	1	HC_vs_MS.Trt_F

DDRGK1	0.3435	-0.4539	0.173	0.14	1	HC_vs_MS.Trt_F
MRPS18A	0.34362	-0.5856	0.139	0.11	1	HC_vs_MS.Trt_F
SLC26A2	0.34373	0.53089	0.775	0.76	1	HC_vs_MS.Trt_F
AHCTF1	0.34381	-0.5281	0.171	0.14	1	HC_vs_MS.Trt_F
C4orf33	0.34433	-0.9936	0.101	0.08	1	HC_vs_MS.Trt_F
C11orf71	0.3445	-0.3654	0.118	0.09	1	HC_vs_MS.Trt_F
ANTXRL	0.34456	0.28857	0.208	0.17	1	HC_vs_MS.Trt_F
ADAMTS17	0.34464	-0.2674	0.217	0.18	1	HC_vs_MS.Trt_F
TCIRG1	0.34466	-0.3104	0.315	0.33	1	HC_vs_MS.Trt_F
COQ9	0.3448	-0.9575	0.113	0.13	1	HC_vs_MS.Trt_F
PRKD2	0.34483	-0.3664	0.769	0.75	1	HC_vs_MS.Trt_F
HNRNPUL2-1	0.34494	-0.3603	0.127	0.1	1	HC_vs_MS.Trt_F
PHF7	0.34505	0.76392	0.523	0.47	1	HC_vs_MS.Trt_F
DHRS4L2	0.34523	-0.7811	0.191	0.21	1	HC_vs_MS.Trt_F
AASS	0.34578	-0.4284	0.422	0.35	1	HC_vs_MS.Trt_F
DNAJB13	0.34583	0.29396	0.419	0.38	1	HC_vs_MS.Trt_F
BCR	0.34644	-0.959	0.341	0.29	1	HC_vs_MS.Trt_F
SUCLG1	0.34662	-0.5997	0.425	0.44	1	HC_vs_MS.Trt_F
CTD-2021K4	0.34692	-0.6261	0.095	0.12	1	HC_vs_MS.Trt_F
MS4A6A	0.34703	1.17101	0.202	0.18	1	HC_vs_MS.Trt_F
CD3E	0.34712	0.44158	0.671	0.63	1	HC_vs_MS.Trt_F
REXO2	0.3474	-0.566	0.185	0.21	1	HC_vs_MS.Trt_F
ANKFY1	0.34756	0.69729	0.697	0.65	1	HC_vs_MS.Trt_F
IMMP2L	0.34779	0.67641	0.127	0.1	1	HC_vs_MS.Trt_F
MTMR12	0.34827	0.56006	0.488	0.45	1	HC_vs_MS.Trt_F
CR1	0.34841	0.83555	0.618	0.54	1	HC_vs_MS.Trt_F
ACOT13	0.34846	0.52417	0.408	0.37	1	HC_vs_MS.Trt_F
CHD8	0.3485	0.80149	0.399	0.36	1	HC_vs_MS.Trt_F
FUCA2	0.34891	-0.6141	0.335	0.29	1	HC_vs_MS.Trt_F
AGTPBP1	0.34894	-0.5437	0.202	0.17	1	HC_vs_MS.Trt_F
CA13	0.34904	-0.4537	0.601	0.54	1	HC_vs_MS.Trt_F
RNF20	0.34936	0.44647	0.15	0.12	1	HC_vs_MS.Trt_F
FAM234B	0.34944	-0.3019	0.506	0.45	1	HC_vs_MS.Trt_F
ABAT	0.34999	0.25136	0.656	0.61	1	HC_vs_MS.Trt_F
AP5M1	0.35003	-0.4635	0.159	0.18	1	HC_vs_MS.Trt_F
MBTPS1	0.35023	-0.3668	0.555	0.57	1	HC_vs_MS.Trt_F
COLGALT1	0.35024	-0.2861	0.523	0.47	1	HC_vs_MS.Trt_F
CPSF7	0.35027	0.38611	0.22	0.19	1	HC_vs_MS.Trt_F
PPP1CC	0.35038	0.34555	0.786	0.76	1	HC_vs_MS.Trt_F
COQ10B	0.3504	-0.6224	0.688	0.6	1	HC_vs_MS.Trt_F

IL17RD	0.35076	-0.4864	0.636	0.59	1	HC_vs_MS.Trt_F
GAREM1	0.35084	0.4851	0.078	0.1	1	HC_vs_MS.Trt_F
DAD1	0.35119	-0.4175	0.41	0.32	1	HC_vs_MS.Trt_F
TMUB2	0.35161	0.30972	0.882	0.85	1	HC_vs_MS.Trt_F
TMEM175	0.35168	-0.3147	0.318	0.35	1	HC_vs_MS.Trt_F
RIOK3	0.35191	0.2702	0.575	0.54	1	HC_vs_MS.Trt_F
PLA2G4B	0.35192	-0.8016	0.52	0.47	1	HC_vs_MS.Trt_F
MAN1B1	0.35193	0.43851	0.329	0.28	1	HC_vs_MS.Trt_F
TXNL4B	0.35249	-0.7842	0.41	0.35	1	HC_vs_MS.Trt_F
CBX7	0.35278	-0.6062	0.361	0.38	1	HC_vs_MS.Trt_F
DPH5	0.35281	0.32604	0.361	0.32	1	HC_vs_MS.Trt_F
IDH2	0.35281	-0.3242	0.587	0.51	1	HC_vs_MS.Trt_F
TMEM168	0.35284	-0.5539	0.592	0.54	1	HC_vs_MS.Trt_F
WDR19	0.35335	1.00217	0.601	0.57	1	HC_vs_MS.Trt_F
SMAGP	0.35383	-0.4536	0.636	0.62	1	HC_vs_MS.Trt_F
TRIM13	0.35407	-0.3546	0.682	0.61	1	HC_vs_MS.Trt_F
KAZN	0.3548	0.74675	0.558	0.49	1	HC_vs_MS.Trt_F
FAM103A1	0.35487	-1.0442	0.156	0.18	1	HC_vs_MS.Trt_F
CUL2	0.3552	0.34719	0.272	0.23	1	HC_vs_MS.Trt_F
STX5	0.35553	0.94498	0.159	0.13	1	HC_vs_MS.Trt_F
ABHD10	0.35613	-1.0118	0.116	0.14	1	HC_vs_MS.Trt_F
YWHAG	0.35628	0.30467	0.145	0.12	1	HC_vs_MS.Trt_F
RIT1	0.35649	-0.5966	0.477	0.42	1	HC_vs_MS.Trt_F
CC2D1B	0.3572	0.40855	0.65	0.64	1	HC_vs_MS.Trt_F
TIMM8B	0.35753	-0.5985	0.118	0.09	1	HC_vs_MS.Trt_F
PRKAA1	0.35901	0.56265	0.902	0.86	1	HC_vs_MS.Trt_F
SARNP	0.35929	-0.5826	0.61	0.58	1	HC_vs_MS.Trt_F
ANXA4	0.35939	-0.3858	0.882	0.86	1	HC_vs_MS.Trt_F
DNAJB5	0.3595	-0.549	0.231	0.2	1	HC_vs_MS.Trt_F
MCRIP2	0.35965	-0.288	0.598	0.56	1	HC_vs_MS.Trt_F
AKT1S1	0.35967	-0.5018	0.22	0.18	1	HC_vs_MS.Trt_F
PFDN4	0.35991	-0.8159	0.098	0.12	1	HC_vs_MS.Trt_F
SBNO2	0.36023	0.78389	0.228	0.19	1	HC_vs_MS.Trt_F
MAP1B	0.36034	-1.3962	0.101	0.08	1	HC_vs_MS.Trt_F
ERH	0.36047	-0.2691	0.223	0.18	1	HC_vs_MS.Trt_F
CHIC1	0.36052	0.70407	0.107	0.09	1	HC_vs_MS.Trt_F
ADI1	0.36114	-0.2772	0.824	0.78	1	HC_vs_MS.Trt_F
RTCB	0.36125	-0.6001	0.147	0.17	1	HC_vs_MS.Trt_F
NETO2	0.36173	-0.3809	0.587	0.6	1	HC_vs_MS.Trt_F
PNPO	0.36176	0.25547	0.723	0.66	1	HC_vs_MS.Trt_F

MED24	0.3618	0.60726	0.636	0.61	1	HC_vs_MS.Trt_F
DYRK1A	0.36186	0.68943	0.751	0.7	1	HC_vs_MS.Trt_F
LEKR1	0.3625	-0.3239	0.176	0.2	1	HC_vs_MS.Trt_F
USP30	0.36251	0.41431	0.266	0.3	1	HC_vs_MS.Trt_F
CEP112	0.36271	0.34165	0.948	0.91	1	HC_vs_MS.Trt_F
PUS3	0.36294	0.56572	0.358	0.31	1	HC_vs_MS.Trt_F
SV2A	0.36322	0.4304	0.355	0.33	1	HC_vs_MS.Trt_F
PTRHD1	0.36331	-0.2672	0.277	0.24	1	HC_vs_MS.Trt_F
SPA17	0.36393	-0.3471	0.295	0.25	1	HC_vs_MS.Trt_F
DCUN1D3	0.36406	0.87706	0.231	0.2	1	HC_vs_MS.Trt_F
KAT5	0.36409	-0.4916	0.191	0.16	1	HC_vs_MS.Trt_F
VPS11	0.3644	-0.4791	0.847	0.81	1	HC_vs_MS.Trt_F
ATG14	0.36461	0.45997	0.72	0.71	1	HC_vs_MS.Trt_F
CARNMT1	0.36497	-0.4918	0.145	0.12	1	HC_vs_MS.Trt_F
SDHB	0.36499	0.46056	0.176	0.15	1	HC_vs_MS.Trt_F
CNR2	0.36507	0.55674	0.844	0.82	1	HC_vs_MS.Trt_F
NSA2	0.3651	-0.4286	0.335	0.37	1	HC_vs_MS.Trt_F
SLC25A29	0.36514	0.79624	0.387	0.35	1	HC_vs_MS.Trt_F
VASH1	0.36543	-0.6703	0.116	0.09	1	HC_vs_MS.Trt_F
SLC13A4	0.36571	1.23861	0.373	0.35	1	HC_vs_MS.Trt_F
UGT8	0.36601	-0.3916	0.546	0.46	1	HC_vs_MS.Trt_F
TENM1	0.36617	1.2659	0.139	0.12	1	HC_vs_MS.Trt_F
UBAP2	0.36633	0.29813	0.749	0.68	1	HC_vs_MS.Trt_F
C17orf51	0.36707	-0.4767	0.408	0.36	1	HC_vs_MS.Trt_F
LPAR6	0.36784	-0.5934	0.416	0.42	1	HC_vs_MS.Trt_F
DHDDS	0.36792	-0.4086	0.618	0.55	1	HC_vs_MS.Trt_F
ZNF334	0.36807	0.76682	0.142	0.12	1	HC_vs_MS.Trt_F
ZNF251	0.36832	-0.3183	0.292	0.26	1	HC_vs_MS.Trt_F
EPHA1	0.36844	0.43925	0.39	0.36	1	HC_vs_MS.Trt_F
SLC15A2	0.36857	-0.4058	0.543	0.49	1	HC_vs_MS.Trt_F
XPO7	0.36867	-0.4602	0.142	0.12	1	HC_vs_MS.Trt_F
NME2	0.36893	-0.4152	0.486	0.5	1	HC_vs_MS.Trt_F
GPR157	0.36899	0.3301	0.847	0.8	1	HC_vs_MS.Trt_F
ABC13-4748	0.36939	0.64602	0.101	0.08	1	HC_vs_MS.Trt_F
MCM7	0.36951	-0.752	0.153	0.17	1	HC_vs_MS.Trt_F
MAP3K7CL	0.36961	0.27609	0.465	0.42	1	HC_vs_MS.Trt_F
GTF3C6	0.36964	-0.489	0.199	0.16	1	HC_vs_MS.Trt_F
CMIP	0.3697	0.74205	0.11	0.09	1	HC_vs_MS.Trt_F
GEMIN7	0.36982	-0.6877	0.22	0.18	1	HC_vs_MS.Trt_F
IFT172	0.37007	0.72789	0.65	0.59	1	HC_vs_MS.Trt_F

ZNF365	0.37033	-0.7188	0.35	0.31	1	HC_vs_MS.Trt_F
TMEM170A	0.37093	-0.262	0.861	0.83	1	HC_vs_MS.Trt_F
SENP5	0.37106	-0.5768	0.939	0.92	1	HC_vs_MS.Trt_F
SETD2	0.37106	-0.3415	0.399	0.34	1	HC_vs_MS.Trt_F
ZNF701	0.37106	-0.4371	0.477	0.44	1	HC_vs_MS.Trt_F
PLPP5	0.37144	-0.369	0.864	0.88	1	HC_vs_MS.Trt_F
CCDC12	0.37153	-0.3003	0.254	0.28	1	HC_vs_MS.Trt_F
DGCR2	0.37159	0.27717	0.257	0.23	1	HC_vs_MS.Trt_F
MASP2	0.3716	-1.0593	0.335	0.3	1	HC_vs_MS.Trt_F
DISP1	0.37167	1.26472	0.121	0.1	1	HC_vs_MS.Trt_F
ZCCHC7	0.37188	0.40789	0.332	0.3	1	HC_vs_MS.Trt_F
PIGS	0.37268	-0.5346	0.514	0.53	1	HC_vs_MS.Trt_F
ARMCX3	0.37286	0.71571	0.116	0.09	1	HC_vs_MS.Trt_F
FBL	0.373	-0.324	0.474	0.44	1	HC_vs_MS.Trt_F
SLC39A7	0.37302	-0.4968	0.113	0.13	1	HC_vs_MS.Trt_F
METTL5	0.37311	0.48464	0.546	0.51	1	HC_vs_MS.Trt_F
SAAL1	0.37316	-0.4261	0.09	0.11	1	HC_vs_MS.Trt_F
TCP11L1	0.37318	0.31269	0.199	0.23	1	HC_vs_MS.Trt_F
CDCA3	0.37335	-0.4607	0.575	0.57	1	HC_vs_MS.Trt_F
JAGN1	0.37341	-0.3025	0.11	0.13	1	HC_vs_MS.Trt_F
ELP5	0.37345	1.01414	0.133	0.11	1	HC_vs_MS.Trt_F
NFKB2	0.37351	1.18993	0.428	0.4	1	HC_vs_MS.Trt_F
FBLN7	0.37357	0.66668	0.439	0.41	1	HC_vs_MS.Trt_F
IRF2BPL	0.3736	-0.3286	0.474	0.49	1	HC_vs_MS.Trt_F
CCDC138	0.37368	0.6433	0.217	0.19	1	HC_vs_MS.Trt_F
SEMA6D	0.37423	1.36796	0.147	0.13	1	HC_vs_MS.Trt_F
RFX2	0.37444	-0.3438	0.514	0.48	1	HC_vs_MS.Trt_F
DRAM2	0.37453	-0.2863	0.188	0.21	1	HC_vs_MS.Trt_F
TSC22D2	0.37462	-0.3816	0.488	0.44	1	HC_vs_MS.Trt_F
GLRX3	0.37479	-0.312	0.887	0.83	1	HC_vs_MS.Trt_F
GNPTAB	0.37532	-0.3111	0.74	0.67	1	HC_vs_MS.Trt_F
ALKBH6	0.37542	0.29375	0.538	0.57	1	HC_vs_MS.Trt_F
PPOX	0.37616	-0.3883	0.263	0.23	1	HC_vs_MS.Trt_F
DMWD	0.37647	0.52382	0.879	0.84	1	HC_vs_MS.Trt_F
CTD-3105H1	0.37651	0.36826	0.358	0.31	1	HC_vs_MS.Trt_F
SMC1A	0.37711	0.40707	0.263	0.23	1	HC_vs_MS.Trt_F
STPG1	0.37767	0.45301	0.801	0.79	1	HC_vs_MS.Trt_F
GDE1	0.37828	1.46721	0.315	0.28	1	HC_vs_MS.Trt_F
PAN2	0.37856	-0.5238	0.353	0.37	1	HC_vs_MS.Trt_F
EBP	0.37883	-0.3073	0.234	0.19	1	HC_vs_MS.Trt_F



BGN	0.37889	1.55507	0.084	0.11	1	HC_vs_MS.Trt_F
SPCS2	0.37891	-0.4149	0.324	0.35	1	HC_vs_MS.Trt_F
MLH1	0.37976	0.27439	0.39	0.36	1	HC_vs_MS.Trt_F
TSG101	0.37991	-0.5151	0.506	0.44	1	HC_vs_MS.Trt_F
C2orf69	0.38001	-0.4002	0.303	0.26	1	HC_vs_MS.Trt_F
AZIN1	0.38042	-0.2717	0.399	0.34	1	HC_vs_MS.Trt_F
ADNP	0.38062	-0.7614	0.483	0.43	1	HC_vs_MS.Trt_F
PHF19	0.38072	-0.4491	0.191	0.16	1	HC_vs_MS.Trt_F
SRFBP1	0.38081	-1.2217	0.471	0.46	1	HC_vs_MS.Trt_F
ZNF696	0.38106	-0.3647	0.344	0.36	1	HC_vs_MS.Trt_F
GLRX5	0.38136	-1.2549	0.101	0.12	1	HC_vs_MS.Trt_F
TRIM28	0.38202	0.94737	0.113	0.09	1	HC_vs_MS.Trt_F
CFAP20	0.38214	-0.4783	0.162	0.18	1	HC_vs_MS.Trt_F
ANKRD42	0.38243	1.09239	0.442	0.39	1	HC_vs_MS.Trt_F
PGAM5	0.38262	0.33815	0.803	0.77	1	HC_vs_MS.Trt_F
USP5	0.38264	0.69259	0.147	0.12	1	HC_vs_MS.Trt_F
PNKP	0.38276	0.68333	0.327	0.3	1	HC_vs_MS.Trt_F
ASNSD1	0.38322	-0.5663	0.165	0.13	1	HC_vs_MS.Trt_F
ZNF140	0.38353	-1.4524	0.223	0.19	1	HC_vs_MS.Trt_F
C1orf186	0.38366	0.97009	0.587	0.55	1	HC_vs_MS.Trt_F
BEX3	0.38372	-0.3226	0.145	0.12	1	HC_vs_MS.Trt_F
SLC37A2	0.38377	-0.3163	0.514	0.51	1	HC_vs_MS.Trt_F
SH2D1A	0.3838	-0.6895	0.292	0.24	1	HC_vs_MS.Trt_F
VPS18	0.38395	-0.644	0.251	0.23	1	HC_vs_MS.Trt_F
SLC30A5	0.38396	-0.4817	0.809	0.73	1	HC_vs_MS.Trt_F
TRPM1	0.38397	0.77866	0.133	0.11	1	HC_vs_MS.Trt_F
ATL3	0.38445	-0.3491	0.838	0.81	1	HC_vs_MS.Trt_F
TAL1	0.38446	0.43121	0.26	0.22	1	HC_vs_MS.Trt_F
KIN	0.38458	-0.3283	0.772	0.74	1	HC_vs_MS.Trt_F
NOL6	0.38478	0.38529	0.431	0.38	1	HC_vs_MS.Trt_F
CCAR2	0.38499	-0.7096	0.272	0.23	1	HC_vs_MS.Trt_F
ZNF514	0.38545	0.74818	0.642	0.59	1	HC_vs_MS.Trt_F
UNG	0.38577	-0.4657	0.24	0.21	1	HC_vs_MS.Trt_F
RPF1	0.38603	-0.3971	0.283	0.25	1	HC_vs_MS.Trt_F
CHAMP1	0.38618	0.43868	0.673	0.64	1	HC_vs_MS.Trt_F
PRKCI	0.38626	-0.3294	0.419	0.36	1	HC_vs_MS.Trt_F
PCDH9	0.38666	0.63727	0.691	0.67	1	HC_vs_MS.Trt_F
NME9	0.38706	-0.709	0.275	0.24	1	HC_vs_MS.Trt_F
JCHAIN	0.38717	-3.1749	0.11	0.13	1	HC_vs_MS.Trt_F
HSF2	0.38728	-0.5843	0.142	0.12	1	HC_vs_MS.Trt_F

DHRS11	0.38846	0.95057	0.344	0.29	1	HC_vs_MS.Trt_F
BNIP1	0.38858	-1.9509	0.087	0.1	1	HC_vs_MS.Trt_F
ZNF235	0.38916	-1.4359	0.159	0.13	1	HC_vs_MS.Trt_F
LUC7L	0.38935	0.58983	0.864	0.85	1	HC_vs_MS.Trt_F
ZFYVE27	0.38957	0.36948	0.225	0.19	1	HC_vs_MS.Trt_F
CSNK2A2	0.39024	-0.4207	0.344	0.29	1	HC_vs_MS.Trt_F
YES1	0.39034	-0.368	0.347	0.37	1	HC_vs_MS.Trt_F
NFS1	0.39052	-0.9974	0.934	0.91	1	HC_vs_MS.Trt_F
ZNF14	0.39056	-0.6055	0.387	0.4	1	HC_vs_MS.Trt_F
PDE8A	0.39072	0.29125	0.526	0.46	1	HC_vs_MS.Trt_F
HSDL2	0.39105	-0.5903	0.185	0.16	1	HC_vs_MS.Trt_F
RECK	0.39147	0.27603	0.188	0.16	1	HC_vs_MS.Trt_F
C19orf44	0.39195	0.59824	0.387	0.35	1	HC_vs_MS.Trt_F
DLEC1	0.39232	1.4864	0.514	0.46	1	HC_vs_MS.Trt_F
DEF6	0.39251	-0.4752	0.428	0.43	1	HC_vs_MS.Trt_F
EXO1	0.39302	0.42983	0.197	0.23	1	HC_vs_MS.Trt_F
C5orf63	0.39368	-0.4026	0.393	0.35	1	HC_vs_MS.Trt_F
PIGW	0.39388	1.03497	0.477	0.44	1	HC_vs_MS.Trt_F
HELZ2	0.3942	-0.4383	0.699	0.64	1	HC_vs_MS.Trt_F
BCS1L	0.39422	-0.3337	0.09	0.11	1	HC_vs_MS.Trt_F
USP22	0.39433	-0.4591	0.847	0.82	1	HC_vs_MS.Trt_F
FAM105A	0.39444	-0.287	0.28	0.25	1	HC_vs_MS.Trt_F
SEPP1	0.39449	0.46743	0.188	0.16	1	HC_vs_MS.Trt_F
ZNF600	0.39486	0.79763	0.231	0.2	1	HC_vs_MS.Trt_F
DHX35	0.39498	0.4032	0.422	0.39	1	HC_vs_MS.Trt_F
TC2N	0.39501	0.30925	0.211	0.18	1	HC_vs_MS.Trt_F
FKBP8	0.39511	1.35329	0.234	0.2	1	HC_vs_MS.Trt_F
DHX40	0.39523	-0.4454	0.147	0.12	1	HC_vs_MS.Trt_F
NAALADL2	0.39527	0.31968	0.092	0.12	1	HC_vs_MS.Trt_F
ASB8	0.3957	0.3952	0.74	0.75	1	HC_vs_MS.Trt_F
ANKRD11	0.39572	-0.4065	0.306	0.26	1	HC_vs_MS.Trt_F
ZNF687	0.39593	0.54468	0.65	0.64	1	HC_vs_MS.Trt_F
IFIT2	0.39595	-0.8543	0.116	0.09	1	HC_vs_MS.Trt_F
PHF10	0.39608	1.21532	0.113	0.09	1	HC_vs_MS.Trt_F
TMEM220	0.39633	0.38223	0.572	0.57	1	HC_vs_MS.Trt_F
MAVS	0.39639	0.28495	0.962	0.95	1	HC_vs_MS.Trt_F
SPOCD1	0.39659	-0.4521	0.575	0.6	1	HC_vs_MS.Trt_F
NDUFB3	0.39752	-0.4759	0.199	0.22	1	HC_vs_MS.Trt_F
PTP4A3	0.39772	0.50717	0.11	0.09	1	HC_vs_MS.Trt_F
ZFYVE21	0.3978	-0.7393	0.737	0.66	1	HC_vs_MS.Trt_F

VAV3	0.39841	0.40579	0.592	0.6	1	HC_vs_MS.Trt_F
STK40	0.39878	-0.3566	0.136	0.11	1	HC_vs_MS.Trt_F
PLXDC2	0.39887	0.79678	0.74	0.7	1	HC_vs_MS.Trt_F
MED8	0.39902	0.94137	0.116	0.09	1	HC_vs_MS.Trt_F
MRE11A	0.39913	-0.8638	0.743	0.75	1	HC_vs_MS.Trt_F
SWAP70	0.39914	-1.8236	0.483	0.4	1	HC_vs_MS.Trt_F
PRSS53	0.39954	1.41448	0.257	0.22	1	HC_vs_MS.Trt_F
CCDC77	0.39971	-0.411	0.714	0.63	1	HC_vs_MS.Trt_F
SCAF4	0.3999	-0.3214	0.28	0.24	1	HC_vs_MS.Trt_F
TRMT6	0.40009	-1.2812	0.118	0.14	1	HC_vs_MS.Trt_F
HECA	0.40013	-0.5608	0.546	0.5	1	HC_vs_MS.Trt_F
E2F3	0.40016	0.28299	0.225	0.19	1	HC_vs_MS.Trt_F
CBLL1	0.40021	-0.2678	0.243	0.21	1	HC_vs_MS.Trt_F
KLRK1	0.40053	-0.5955	0.711	0.66	1	HC_vs_MS.Trt_F
ANKRD46	0.40056	0.72015	0.223	0.2	1	HC_vs_MS.Trt_F
MORC3	0.4006	-0.3381	0.503	0.48	1	HC_vs_MS.Trt_F
CDC16	0.40089	-0.4273	0.159	0.18	1	HC_vs_MS.Trt_F
BAD	0.40109	0.33378	0.147	0.12	1	HC_vs_MS.Trt_F
ARRDC2	0.40139	0.32164	0.15	0.13	1	HC_vs_MS.Trt_F
SAE1	0.40177	-0.3065	0.22	0.19	1	HC_vs_MS.Trt_F
RINL	0.40211	0.36594	0.763	0.74	1	HC_vs_MS.Trt_F
ZBTB21	0.40215	-0.6268	0.127	0.15	1	HC_vs_MS.Trt_F
SGO1	0.40237	-0.3473	0.543	0.52	1	HC_vs_MS.Trt_F
NDUFC2-KC	0.40271	-0.3677	0.092	0.11	1	HC_vs_MS.Trt_F
PLEKHG4B	0.40304	0.48363	0.509	0.44	1	HC_vs_MS.Trt_F
UBXN8	0.40314	0.74216	0.22	0.2	1	HC_vs_MS.Trt_F
KALRN	0.40374	0.42165	0.329	0.3	1	HC_vs_MS.Trt_F
LIPA	0.40405	0.8143	0.318	0.28	1	HC_vs_MS.Trt_F
OXSM	0.40407	-0.6782	0.153	0.13	1	HC_vs_MS.Trt_F
SPHK1	0.40462	-0.3425	0.223	0.19	1	HC_vs_MS.Trt_F
AL078584.1	0.40478	0.346	0.471	0.42	1	HC_vs_MS.Trt_F
SLF1	0.40495	0.61078	0.197	0.17	1	HC_vs_MS.Trt_F
FKRP	0.40565	-0.3742	0.702	0.65	1	HC_vs_MS.Trt_F
NIN	0.40566	-0.3792	0.199	0.22	1	HC_vs_MS.Trt_F
CDK12	0.40576	0.39183	0.561	0.49	1	HC_vs_MS.Trt_F
AQR	0.40586	-0.2987	0.671	0.63	1	HC_vs_MS.Trt_F
ASAH1	0.40604	-0.3267	0.76	0.73	1	HC_vs_MS.Trt_F
ZNF585A	0.4062	-1.2435	0.353	0.36	1	HC_vs_MS.Trt_F
GPR89A	0.40629	-0.3411	0.48	0.43	1	HC_vs_MS.Trt_F
BBS4	0.40629	0.33778	0.107	0.13	1	HC_vs_MS.Trt_F

ABCC5	0.40634	-0.6639	0.179	0.15	1	HC_vs_MS.Trt_F
ARRDC1	0.40654	-0.2855	0.306	0.27	1	HC_vs_MS.Trt_F
CNN3	0.40696	-0.362	0.289	0.26	1	HC_vs_MS.Trt_F
LTBP4	0.40855	0.47252	0.561	0.5	1	HC_vs_MS.Trt_F
TCEAL8	0.40871	-0.4132	0.116	0.09	1	HC_vs_MS.Trt_F
TRMT112	0.40879	-0.4891	0.272	0.29	1	HC_vs_MS.Trt_F
HRH2	0.40885	0.57601	0.136	0.12	1	HC_vs_MS.Trt_F
ZNF433	0.4089	-0.4583	0.185	0.16	1	HC_vs_MS.Trt_F
ABHD6	0.40895	-0.6853	0.532	0.49	1	HC_vs_MS.Trt_F
IFIT5	0.40897	-0.6682	0.104	0.08	1	HC_vs_MS.Trt_F
H6PD	0.40923	0.41467	0.87	0.85	1	HC_vs_MS.Trt_F
PCYOX1L	0.40974	1.29478	0.11	0.09	1	HC_vs_MS.Trt_F
IL3RA	0.40988	0.89519	0.121	0.1	1	HC_vs_MS.Trt_F
ARHGEF15	0.41023	1.00266	0.454	0.42	1	HC_vs_MS.Trt_F
KCNK10	0.41032	0.28128	0.173	0.16	1	HC_vs_MS.Trt_F
MRPL18	0.41062	-1.3672	0.145	0.16	1	HC_vs_MS.Trt_F
AP1AR	0.4108	-0.5713	0.107	0.09	1	HC_vs_MS.Trt_F
PCNA	0.41081	-0.3679	0.121	0.1	1	HC_vs_MS.Trt_F
THOC3	0.41102	-0.2884	0.532	0.53	1	HC_vs_MS.Trt_F
STK38L	0.41109	-0.6831	0.702	0.66	1	HC_vs_MS.Trt_F
AGO4	0.41137	0.99656	0.335	0.31	1	HC_vs_MS.Trt_F
NAXE	0.41179	-0.5121	0.162	0.13	1	HC_vs_MS.Trt_F
ZNF135	0.41195	-1.2483	0.486	0.43	1	HC_vs_MS.Trt_F
SNX12	0.41247	-0.3184	0.116	0.09	1	HC_vs_MS.Trt_F
C12orf49	0.41273	-0.4082	0.74	0.74	1	HC_vs_MS.Trt_F
ASF1A	0.41277	-0.8561	0.156	0.17	1	HC_vs_MS.Trt_F
PCNX3	0.41335	0.40561	0.159	0.13	1	HC_vs_MS.Trt_F
DCTPP1	0.41427	-1.3482	0.095	0.11	1	HC_vs_MS.Trt_F
PARVA	0.41427	0.43901	0.749	0.72	1	HC_vs_MS.Trt_F
SETDB1	0.41442	-0.4965	0.63	0.6	1	HC_vs_MS.Trt_F
SEMA4B	0.41445	-0.4352	0.376	0.35	1	HC_vs_MS.Trt_F
NCR3LG1	0.41454	0.44308	0.084	0.1	1	HC_vs_MS.Trt_F
TMEM39B	0.41475	0.46975	0.176	0.16	1	HC_vs_MS.Trt_F
CKAP5	0.41475	-0.4795	0.168	0.14	1	HC_vs_MS.Trt_F
ERCC8	0.41537	-0.6079	0.344	0.36	1	HC_vs_MS.Trt_F
ZSWIM1	0.41543	0.37997	0.734	0.74	1	HC_vs_MS.Trt_F
LRP1	0.41612	1.16693	0.344	0.31	1	HC_vs_MS.Trt_F
RALGPS1	0.41624	0.9575	0.477	0.41	1	HC_vs_MS.Trt_F
RPS6KB2	0.41642	0.27406	0.861	0.85	1	HC_vs_MS.Trt_F
DPY19L4	0.4168	0.87318	0.572	0.53	1	HC_vs_MS.Trt_F

PEX7	0.41703	0.91635	0.171	0.15	1	HC_vs_MS.Trt_F
LINC00493	0.4172	-0.3345	0.451	0.4	1	HC_vs_MS.Trt_F
CCDC25	0.41721	-1.3185	0.286	0.31	1	HC_vs_MS.Trt_F
TCEB3	0.41725	-0.5019	0.145	0.12	1	HC_vs_MS.Trt_F
CFP	0.41758	-1.1781	0.422	0.36	1	HC_vs_MS.Trt_F
CREG2	0.41773	-0.3308	0.746	0.69	1	HC_vs_MS.Trt_F
PAK1	0.4181	-1.2097	0.202	0.17	1	HC_vs_MS.Trt_F
CEP95	0.41838	-0.2783	0.419	0.45	1	HC_vs_MS.Trt_F
MED17	0.41855	0.27262	0.957	0.93	1	HC_vs_MS.Trt_F
ATP6AP1	0.41869	0.45623	0.483	0.46	1	HC_vs_MS.Trt_F
TFE3	0.41877	0.49589	0.11	0.09	1	HC_vs_MS.Trt_F
RNF185	0.419	-0.6343	0.306	0.27	1	HC_vs_MS.Trt_F
TRMT1L	0.41907	0.25587	0.124	0.1	1	HC_vs_MS.Trt_F
PTGR1	0.41912	0.30087	0.639	0.6	1	HC_vs_MS.Trt_F
NDUFA12	0.41921	-0.6584	0.223	0.24	1	HC_vs_MS.Trt_F
GPR132	0.42001	0.25096	0.419	0.38	1	HC_vs_MS.Trt_F
TNFRSF25	0.42033	-0.3643	0.717	0.68	1	HC_vs_MS.Trt_F
CLASP1	0.4206	0.28423	0.312	0.27	1	HC_vs_MS.Trt_F
ABCG8	0.42073	0.73532	0.633	0.59	1	HC_vs_MS.Trt_F
FAM161B	0.42105	-0.6933	0.379	0.4	1	HC_vs_MS.Trt_F
KCTD20	0.42144	-0.3884	0.685	0.7	1	HC_vs_MS.Trt_F
CLEC4E	0.42151	0.64257	0.425	0.39	1	HC_vs_MS.Trt_F
FTSJ1	0.42228	-0.2527	0.168	0.14	1	HC_vs_MS.Trt_F
SLIT1	0.42251	0.90024	0.277	0.25	1	HC_vs_MS.Trt_F
LCORL	0.42264	-0.3557	0.136	0.11	1	HC_vs_MS.Trt_F
CHKB	0.42282	0.36537	0.277	0.25	1	HC_vs_MS.Trt_F
AGPAT5	0.42316	-1.1419	0.127	0.15	1	HC_vs_MS.Trt_F
USP48	0.42333	-0.4832	0.552	0.57	1	HC_vs_MS.Trt_F
UBE2V1	0.42374	-0.2562	0.483	0.42	1	HC_vs_MS.Trt_F
FCER1G	0.42387	0.30646	0.671	0.71	1	HC_vs_MS.Trt_F
PIK3C2A	0.42394	0.39453	0.431	0.45	1	HC_vs_MS.Trt_F
BROX	0.42396	-0.9487	0.624	0.64	1	HC_vs_MS.Trt_F
CD68	0.42409	0.42024	0.604	0.55	1	HC_vs_MS.Trt_F
CHP1	0.42416	-0.4635	0.806	0.78	1	HC_vs_MS.Trt_F
ZNF557	0.42443	-0.4033	0.879	0.87	1	HC_vs_MS.Trt_F
UQCC3	0.42446	-0.4057	0.48	0.43	1	HC_vs_MS.Trt_F
RND2	0.42446	0.4931	0.425	0.39	1	HC_vs_MS.Trt_F
ARHGEF4	0.42507	0.37064	0.627	0.59	1	HC_vs_MS.Trt_F
LA16c-431H	0.42522	0.62813	0.555	0.53	1	HC_vs_MS.Trt_F
TIMM22	0.42542	-0.6624	0.107	0.12	1	HC_vs_MS.Trt_F

A2ML1	0.42551	0.46115	0.685	0.63	1	HC_vs_MS.Trt_F
FBXW4	0.42571	-0.2697	0.506	0.45	1	HC_vs_MS.Trt_F
ANK3	0.42578	0.47701	0.942	0.98	1	HC_vs_MS.Trt_F
PLPP2	0.42663	-0.2808	0.919	0.91	1	HC_vs_MS.Trt_F
IRGM	0.42695	0.43307	0.413	0.45	1	HC_vs_MS.Trt_F
NEK8	0.42735	-0.9169	0.621	0.57	1	HC_vs_MS.Trt_F
UBE2K	0.4276	-0.5577	0.162	0.18	1	HC_vs_MS.Trt_F
EIF2A	0.42784	-0.7369	0.621	0.61	1	HC_vs_MS.Trt_F
VAMP5	0.42796	-0.4901	0.182	0.15	1	HC_vs_MS.Trt_F
HAUS5	0.42833	-0.5777	0.523	0.53	1	HC_vs_MS.Trt_F
RMND5A	0.42915	-0.5903	0.384	0.33	1	HC_vs_MS.Trt_F
ZMYND11	0.42956	-0.3598	0.13	0.11	1	HC_vs_MS.Trt_F
HLA-DQB1	0.43031	0.99968	0.581	0.6	1	HC_vs_MS.Trt_F
LBHD1	0.43071	-1.0236	0.523	0.53	1	HC_vs_MS.Trt_F
STAG3	0.4314	0.3385	0.234	0.21	1	HC_vs_MS.Trt_F
ELOVL6	0.43156	-0.2592	0.379	0.34	1	HC_vs_MS.Trt_F
PLEKHG3	0.43161	-0.3412	0.5	0.46	1	HC_vs_MS.Trt_F
LOXL1	0.43198	0.58509	0.104	0.09	1	HC_vs_MS.Trt_F
RPLP0	0.43226	-0.2518	0.925	0.85	1	HC_vs_MS.Trt_F
TAF6	0.43245	-0.2949	0.584	0.53	1	HC_vs_MS.Trt_F
KLHL18	0.43248	0.90583	0.399	0.38	1	HC_vs_MS.Trt_F
SIRPB1	0.43277	0.82227	0.275	0.25	1	HC_vs_MS.Trt_F
RELL1	0.43288	-0.782	0.558	0.57	1	HC_vs_MS.Trt_F
DPEP2	0.43314	-0.6103	0.214	0.23	1	HC_vs_MS.Trt_F
KIDINS220	0.43343	-0.8265	0.298	0.26	1	HC_vs_MS.Trt_F
STAT1	0.43349	-0.3189	0.384	0.34	1	HC_vs_MS.Trt_F
POM121C	0.4336	0.34524	0.497	0.46	1	HC_vs_MS.Trt_F
GPR137B	0.43366	0.26323	0.124	0.1	1	HC_vs_MS.Trt_F
RP11-849H4	0.43375	0.25151	0.587	0.56	1	HC_vs_MS.Trt_F
FAM149A	0.43397	0.82535	0.379	0.34	1	HC_vs_MS.Trt_F
MCM8	0.43455	-0.5224	0.78	0.73	1	HC_vs_MS.Trt_F
NDUFS1	0.43473	-0.3721	0.962	0.94	1	HC_vs_MS.Trt_F
GTPBP8	0.43489	-0.4496	0.702	0.64	1	HC_vs_MS.Trt_F
MMGT1	0.43526	0.65014	0.118	0.1	1	HC_vs_MS.Trt_F
C11orf57	0.43531	0.43796	0.769	0.75	1	HC_vs_MS.Trt_F
CTC-454I21.	0.43562	-0.433	0.234	0.21	1	HC_vs_MS.Trt_F
LONP2	0.43642	-0.3473	0.798	0.73	1	HC_vs_MS.Trt_F
CHMP6	0.43699	0.28251	0.145	0.12	1	HC_vs_MS.Trt_F
TTC32	0.43727	-0.7484	0.098	0.12	1	HC_vs_MS.Trt_F
ACOT4	0.43727	0.39916	0.15	0.13	1	HC_vs_MS.Trt_F

FBXL8	0.43791	0.4403	0.618	0.55	1	HC_vs_MS.Trt_F
RBM20	0.43796	0.31717	0.483	0.48	1	HC_vs_MS.Trt_F
IL23R	0.4384	0.32905	0.422	0.39	1	HC_vs_MS.Trt_F
PRAM1	0.43853	0.27935	0.564	0.53	1	HC_vs_MS.Trt_F
CRTAM	0.43971	-0.7786	0.442	0.38	1	HC_vs_MS.Trt_F
TMEM56	0.44031	-0.3417	0.428	0.48	1	HC_vs_MS.Trt_F
LAS1L	0.44035	-0.3457	0.165	0.14	1	HC_vs_MS.Trt_F
TNFSF9	0.44061	0.39417	0.11	0.09	1	HC_vs_MS.Trt_F
LRIF1	0.44065	0.96085	0.121	0.1	1	HC_vs_MS.Trt_F
PUS10	0.44085	0.43825	0.734	0.72	1	HC_vs_MS.Trt_F
FAM134A	0.44169	-0.539	0.428	0.42	1	HC_vs_MS.Trt_F
FAIM	0.44201	0.41168	0.399	0.36	1	HC_vs_MS.Trt_F
ZNF92	0.44212	-0.5315	0.11	0.13	1	HC_vs_MS.Trt_F
SCAMP2	0.44279	-0.4501	0.329	0.34	1	HC_vs_MS.Trt_F
ZNF624	0.44307	0.49355	0.434	0.38	1	HC_vs_MS.Trt_F
SLC39A10	0.4432	0.41183	0.202	0.18	1	HC_vs_MS.Trt_F
RBMXL1	0.44328	1.08546	0.153	0.13	1	HC_vs_MS.Trt_F
PURB	0.44392	0.60469	0.52	0.48	1	HC_vs_MS.Trt_F
SLC2A1	0.44419	-0.427	0.159	0.13	1	HC_vs_MS.Trt_F
C15orf53	0.44429	0.56473	0.136	0.12	1	HC_vs_MS.Trt_F
ZNF516	0.4444	-0.5426	0.107	0.09	1	HC_vs_MS.Trt_F
BIN2	0.44455	-0.4481	0.543	0.53	1	HC_vs_MS.Trt_F
STAT2	0.44481	-0.338	0.931	0.89	1	HC_vs_MS.Trt_F
KCNJ14	0.44496	0.41511	0.653	0.6	1	HC_vs_MS.Trt_F
RFX1	0.44501	0.69408	0.379	0.35	1	HC_vs_MS.Trt_F
ARHGEF5	0.44573	0.4642	0.121	0.1	1	HC_vs_MS.Trt_F
GTF2F1	0.44576	-0.3236	0.364	0.31	1	HC_vs_MS.Trt_F
MOSPD3	0.44603	0.26642	0.124	0.1	1	HC_vs_MS.Trt_F
FAM210B	0.44632	0.35913	0.312	0.34	1	HC_vs_MS.Trt_F
TRIM59	0.44701	-0.63	0.853	0.82	1	HC_vs_MS.Trt_F
UBE2N	0.44706	-0.3621	0.604	0.54	1	HC_vs_MS.Trt_F
C12orf4	0.44722	0.25905	0.491	0.47	1	HC_vs_MS.Trt_F
FBXO32	0.44745	-0.5513	0.147	0.17	1	HC_vs_MS.Trt_F
SPOUT1	0.44745	-0.6563	0.188	0.16	1	HC_vs_MS.Trt_F
CNOT8	0.44818	-0.3817	0.249	0.22	1	HC_vs_MS.Trt_F
GRAPL	0.44879	0.9747	0.104	0.09	1	HC_vs_MS.Trt_F
MRPS21	0.44961	-0.3888	0.613	0.57	1	HC_vs_MS.Trt_F
PAIP1	0.45021	-0.6421	0.147	0.16	1	HC_vs_MS.Trt_F
IST1	0.45033	-0.4281	0.647	0.64	1	HC_vs_MS.Trt_F
C21orf33	0.45035	-0.2533	0.416	0.37	1	HC_vs_MS.Trt_F

CDV3	0.45084	-0.951	0.251	0.26	1	HC_vs_MS.Trt_F
OASL	0.45117	-0.6418	0.24	0.27	1	HC_vs_MS.Trt_F
MRPL2	0.45154	-0.5176	0.338	0.29	1	HC_vs_MS.Trt_F
CSDE1	0.45193	-0.3498	0.434	0.44	1	HC_vs_MS.Trt_F
MAATS1	0.45261	0.28718	0.277	0.25	1	HC_vs_MS.Trt_F
CYP2F1	0.45276	0.70438	0.185	0.17	1	HC_vs_MS.Trt_F
SYT16	0.4528	0.50069	0.312	0.28	1	HC_vs_MS.Trt_F
MEMO1	0.45311	-0.4618	0.393	0.36	1	HC_vs_MS.Trt_F
ROBO4	0.45324	1.1466	0.191	0.17	1	HC_vs_MS.Trt_F
DNAJC8	0.45327	-0.335	0.306	0.27	1	HC_vs_MS.Trt_F
EXT2	0.45343	-0.3626	0.191	0.17	1	HC_vs_MS.Trt_F
RAD50	0.45401	0.306	0.225	0.2	1	HC_vs_MS.Trt_F
GLCC1	0.45417	0.69941	0.286	0.27	1	HC_vs_MS.Trt_F
RANBP9	0.45438	0.30795	0.266	0.24	1	HC_vs_MS.Trt_F
ZNF420	0.45438	-0.8424	0.127	0.1	1	HC_vs_MS.Trt_F
AKAP17A	0.4544	0.51133	0.118	0.1	1	HC_vs_MS.Trt_F
DAXX	0.45448	-0.4798	0.173	0.19	1	HC_vs_MS.Trt_F
LRP12	0.45456	-0.3033	0.682	0.6	1	HC_vs_MS.Trt_F
PACSIN2	0.4546	-0.5206	0.494	0.52	1	HC_vs_MS.Trt_F
PRCC	0.45521	0.52724	0.176	0.15	1	HC_vs_MS.Trt_F
APOBEC3F	0.45586	-0.3547	0.928	0.92	1	HC_vs_MS.Trt_F
CFL2	0.45591	-0.4149	0.694	0.63	1	HC_vs_MS.Trt_F
NCF1	0.45597	1.85892	0.543	0.5	1	HC_vs_MS.Trt_F
HLX	0.4561	0.28923	0.197	0.17	1	HC_vs_MS.Trt_F
GFOD1	0.45629	-1.0332	0.699	0.63	1	HC_vs_MS.Trt_F
KDM5A	0.45643	-0.2529	0.673	0.65	1	HC_vs_MS.Trt_F
MPHOSPH10	0.45757	0.31794	0.246	0.22	1	HC_vs_MS.Trt_F
RASA3	0.45785	-0.3576	0.442	0.46	1	HC_vs_MS.Trt_F
PYHIN1	0.45852	0.27577	0.627	0.61	1	HC_vs_MS.Trt_F
TIAL1	0.45863	-0.2561	0.87	0.83	1	HC_vs_MS.Trt_F
KPNA6	0.459	-0.3616	0.592	0.59	1	HC_vs_MS.Trt_F
CCDC93	0.45907	-0.3525	0.179	0.15	1	HC_vs_MS.Trt_F
DISC1	0.45915	0.25655	0.558	0.52	1	HC_vs_MS.Trt_F
TECPR1	0.45915	-0.4952	0.509	0.44	1	HC_vs_MS.Trt_F
HNRNPM	0.45941	-0.298	0.266	0.23	1	HC_vs_MS.Trt_F
ZNF561	0.45965	-0.7429	0.601	0.51	1	HC_vs_MS.Trt_F
EIF5B	0.45965	-0.2969	0.332	0.29	1	HC_vs_MS.Trt_F
USP42	0.4597	0.43546	0.468	0.44	1	HC_vs_MS.Trt_F
C8orf37	0.4613	0.45119	0.552	0.53	1	HC_vs_MS.Trt_F
ZFP90	0.46173	0.61182	0.445	0.47	1	HC_vs_MS.Trt_F



DDHD2	0.46179	0.26645	0.864	0.82	1	HC_vs_MS.Trt_F
PSMB1	0.46208	-0.3028	0.358	0.31	1	HC_vs_MS.Trt_F
NDUFB1	0.46219	-0.304	0.78	0.72	1	HC_vs_MS.Trt_F
CCDC153	0.46261	-0.7481	0.269	0.25	1	HC_vs_MS.Trt_F
CLPX	0.46296	-0.7427	0.731	0.67	1	HC_vs_MS.Trt_F
RP11-505K9	0.463	-0.3589	0.09	0.11	1	HC_vs_MS.Trt_F
ISG20L2	0.46337	0.58908	0.85	0.82	1	HC_vs_MS.Trt_F
TMEM222	0.46347	0.53754	0.153	0.13	1	HC_vs_MS.Trt_F
ZNF484	0.46354	0.94593	0.107	0.09	1	HC_vs_MS.Trt_F
RNF14	0.46412	0.64008	0.65	0.58	1	HC_vs_MS.Trt_F
TMEM126B	0.46448	-0.49	0.234	0.21	1	HC_vs_MS.Trt_F
ZNF518B	0.4649	-0.5743	0.116	0.09	1	HC_vs_MS.Trt_F
ZDHHC14	0.46542	0.29851	0.338	0.36	1	HC_vs_MS.Trt_F
RP11-1035H	0.46561	-0.8025	0.153	0.13	1	HC_vs_MS.Trt_F
CSTF3	0.46584	-1.3169	0.558	0.51	1	HC_vs_MS.Trt_F
VPS51	0.46593	0.25438	0.283	0.26	1	HC_vs_MS.Trt_F
GGPS1	0.46597	-0.3216	0.454	0.47	1	HC_vs_MS.Trt_F
PGM2	0.46622	-0.7269	0.13	0.11	1	HC_vs_MS.Trt_F
BTBD10	0.46656	0.30462	0.159	0.14	1	HC_vs_MS.Trt_F
ZCRB1	0.4668	-0.8468	0.165	0.18	1	HC_vs_MS.Trt_F
SLC44A1	0.46697	0.86013	0.639	0.66	1	HC_vs_MS.Trt_F
NNMT	0.46706	-0.416	0.139	0.12	1	HC_vs_MS.Trt_F
CD24	0.46753	-0.2593	0.373	0.41	1	HC_vs_MS.Trt_F
ATG9A	0.46791	0.70006	0.116	0.1	1	HC_vs_MS.Trt_F
SNRPB2	0.46802	-0.5964	0.208	0.22	1	HC_vs_MS.Trt_F
NAAA	0.46835	-0.315	0.728	0.77	1	HC_vs_MS.Trt_F
EGR1	0.46848	-0.3476	0.121	0.14	1	HC_vs_MS.Trt_F
HIVEP3	0.46852	-0.293	0.092	0.11	1	HC_vs_MS.Trt_F
DNAJB12	0.46877	-0.5335	0.15	0.13	1	HC_vs_MS.Trt_F
ZSCAN12	0.46877	0.53537	0.468	0.49	1	HC_vs_MS.Trt_F
PTPRM	0.4689	1.09781	0.225	0.2	1	HC_vs_MS.Trt_F
TEX2	0.46924	0.56014	0.72	0.63	1	HC_vs_MS.Trt_F
SAR1B	0.46931	-0.2565	0.977	0.97	1	HC_vs_MS.Trt_F
LBR	0.46952	-0.6545	0.249	0.22	1	HC_vs_MS.Trt_F
IRF7	0.46988	-0.4393	0.145	0.16	1	HC_vs_MS.Trt_F
CLCN6	0.47035	0.32256	0.59	0.53	1	HC_vs_MS.Trt_F
CFD	0.4711	0.74099	0.197	0.22	1	HC_vs_MS.Trt_F
GDAP1	0.47173	-0.3252	0.092	0.11	1	HC_vs_MS.Trt_F
ANKDD1A	0.47215	0.32398	0.581	0.56	1	HC_vs_MS.Trt_F
MAP2K7	0.47267	0.39381	0.65	0.59	1	HC_vs_MS.Trt_F

FILIP1L	0.47273	0.54841	0.442	0.39	1	HC_vs_MS.Trt_F
ZZZ3	0.47295	0.27312	0.824	0.81	1	HC_vs_MS.Trt_F
EHBP1	0.47303	-0.3688	0.405	0.44	1	HC_vs_MS.Trt_F
NAA20	0.47318	-0.4525	0.156	0.13	1	HC_vs_MS.Trt_F
DPM2	0.47326	-0.6693	0.13	0.11	1	HC_vs_MS.Trt_F
SLC25A17	0.47334	-0.4718	0.312	0.32	1	HC_vs_MS.Trt_F
DCAF4	0.47391	-0.3622	0.587	0.54	1	HC_vs_MS.Trt_F
SCLT1	0.47405	0.63699	0.673	0.62	1	HC_vs_MS.Trt_F
COG3	0.47408	-0.7273	0.168	0.18	1	HC_vs_MS.Trt_F
CCHCR1	0.47415	1.66285	0.376	0.35	1	HC_vs_MS.Trt_F
FRG2C	0.47416	1.19696	0.194	0.17	1	HC_vs_MS.Trt_F
PIP4K2B	0.47437	-0.443	0.153	0.13	1	HC_vs_MS.Trt_F
ORC3	0.47507	-0.3359	0.191	0.17	1	HC_vs_MS.Trt_F
ZNF727	0.47514	1.25316	0.384	0.36	1	HC_vs_MS.Trt_F
RNF113A	0.47534	-0.4695	0.139	0.12	1	HC_vs_MS.Trt_F
COG6	0.47569	-1.1474	0.159	0.18	1	HC_vs_MS.Trt_F
C8orf59	0.47609	-0.3185	0.442	0.45	1	HC_vs_MS.Trt_F
POLD3	0.47612	-1.4175	0.176	0.19	1	HC_vs_MS.Trt_F
AAED1	0.47629	-0.7417	0.829	0.78	1	HC_vs_MS.Trt_F
H2AFJ	0.47638	0.3977	0.15	0.13	1	HC_vs_MS.Trt_F
LOXL2	0.47673	0.33318	0.74	0.73	1	HC_vs_MS.Trt_F
FAM127B	0.47679	0.34855	0.13	0.11	1	HC_vs_MS.Trt_F
TARS	0.47685	-0.5781	0.257	0.22	1	HC_vs_MS.Trt_F
INTS2	0.47738	0.28434	0.298	0.27	1	HC_vs_MS.Trt_F
CAV2	0.4774	0.31259	0.61	0.59	1	HC_vs_MS.Trt_F
PPP2CB	0.47756	0.27577	0.564	0.59	1	HC_vs_MS.Trt_F
RBMS3	0.47786	0.36894	0.697	0.67	1	HC_vs_MS.Trt_F
HIGD2A	0.47796	-0.3535	0.335	0.29	1	HC_vs_MS.Trt_F
CLEC2B	0.47815	-0.3992	0.251	0.22	1	HC_vs_MS.Trt_F
LRP2	0.47861	0.38005	0.098	0.12	1	HC_vs_MS.Trt_F
PCF11	0.47862	-0.2754	0.512	0.46	1	HC_vs_MS.Trt_F
LAMTOR3	0.47867	-0.5691	0.353	0.36	1	HC_vs_MS.Trt_F
PSMA4	0.47888	-0.5413	0.402	0.36	1	HC_vs_MS.Trt_F
ITGB4	0.47906	-0.9719	0.237	0.25	1	HC_vs_MS.Trt_F
FAM101B	0.47943	-0.3919	0.324	0.29	1	HC_vs_MS.Trt_F
CEACAM1	0.47952	0.78468	0.882	0.92	1	HC_vs_MS.Trt_F
GNG5	0.47982	-0.3424	0.286	0.25	1	HC_vs_MS.Trt_F
KYAT3	0.47983	-0.3729	0.136	0.12	1	HC_vs_MS.Trt_F
TREX1	0.48027	0.95092	0.121	0.1	1	HC_vs_MS.Trt_F
EGLN2	0.48111	-0.7079	0.251	0.26	1	HC_vs_MS.Trt_F

IFNAR1	0.48117	-0.5176	0.561	0.5	1	HC_vs_MS.Trt_F
PSMB8	0.48124	-0.4969	0.382	0.39	1	HC_vs_MS.Trt_F
KNTC1	0.48134	-1.0291	0.838	0.81	1	HC_vs_MS.Trt_F
TMX3	0.48145	-0.388	0.462	0.43	1	HC_vs_MS.Trt_F
SH2D1B	0.48195	0.8628	0.263	0.23	1	HC_vs_MS.Trt_F
PLEKHG5	0.48208	-0.9761	0.182	0.16	1	HC_vs_MS.Trt_F
ZNF254	0.48276	-0.6804	0.416	0.45	1	HC_vs_MS.Trt_F
PITPNM1	0.48317	-0.6028	0.306	0.27	1	HC_vs_MS.Trt_F
ZNF12	0.48387	0.94965	0.361	0.32	1	HC_vs_MS.Trt_F
VCPKMT	0.48414	0.59726	0.118	0.1	1	HC_vs_MS.Trt_F
GPR161	0.48447	-0.6279	0.436	0.41	1	HC_vs_MS.Trt_F
NR2C2AP	0.48454	-0.7745	0.107	0.12	1	HC_vs_MS.Trt_F
CH507-9B2.1	0.48455	-0.5462	0.517	0.46	1	HC_vs_MS.Trt_F
SLC35B2	0.48462	0.64667	0.116	0.1	1	HC_vs_MS.Trt_F
MORC2	0.48497	-0.3822	0.434	0.37	1	HC_vs_MS.Trt_F
JMJD7-PLA2	0.48548	-0.7166	0.329	0.35	1	HC_vs_MS.Trt_F
PLEKH02	0.48566	-0.4675	0.104	0.12	1	HC_vs_MS.Trt_F
HYAL1	0.48636	-0.4548	0.376	0.4	1	HC_vs_MS.Trt_F
ZNF718	0.4872	-0.4017	0.295	0.31	1	HC_vs_MS.Trt_F
AIG1	0.48726	-0.3634	0.642	0.58	1	HC_vs_MS.Trt_F
TTC7A	0.48736	0.28668	0.249	0.22	1	HC_vs_MS.Trt_F
EGLN1	0.48765	-1.1868	0.364	0.37	1	HC_vs_MS.Trt_F
SEPSECS	0.48771	0.3737	0.789	0.76	1	HC_vs_MS.Trt_F
RCN1	0.48854	-0.4236	0.116	0.1	1	HC_vs_MS.Trt_F
ETNK1	0.48868	-0.2763	0.503	0.51	1	HC_vs_MS.Trt_F
EIF4EBP2	0.48896	-0.3653	0.656	0.69	1	HC_vs_MS.Trt_F
DUSP22	0.48933	-0.4099	0.116	0.1	1	HC_vs_MS.Trt_F
COMMD6	0.48936	-0.3133	0.416	0.36	1	HC_vs_MS.Trt_F
VPS50	0.48957	0.59287	0.665	0.6	1	HC_vs_MS.Trt_F
C1orf159	0.49048	0.25454	0.208	0.18	1	HC_vs_MS.Trt_F
ABRACL	0.49049	-0.3685	0.257	0.22	1	HC_vs_MS.Trt_F
ZNF772	0.49089	-0.6539	0.471	0.51	1	HC_vs_MS.Trt_F
TRMU	0.49091	-0.409	0.199	0.22	1	HC_vs_MS.Trt_F
IPPK	0.49117	-1.2443	0.101	0.08	1	HC_vs_MS.Trt_F
RPA2	0.49222	-0.5417	0.217	0.23	1	HC_vs_MS.Trt_F
MOCS2	0.49405	-0.3603	0.116	0.1	1	HC_vs_MS.Trt_F
FANCA	0.49424	-0.2836	0.315	0.28	1	HC_vs_MS.Trt_F
RNF7	0.49429	0.37565	0.682	0.64	1	HC_vs_MS.Trt_F
COX18	0.49432	-0.2612	0.887	0.85	1	HC_vs_MS.Trt_F
CENPN	0.49451	0.53859	0.217	0.2	1	HC_vs_MS.Trt_F

UBA5	0.49455	-1.9633	0.136	0.15	1	HC_vs_MS.Trt_F
EMC8	0.49523	-0.8269	0.208	0.22	1	HC_vs_MS.Trt_F
ZNF841	0.49546	0.80688	0.538	0.51	1	HC_vs_MS.Trt_F
ARHGEF2	0.49561	0.41207	0.275	0.24	1	HC_vs_MS.Trt_F
NDUFAF3	0.49562	-0.43	0.185	0.16	1	HC_vs_MS.Trt_F
HERC6	0.49583	-0.4748	0.277	0.3	1	HC_vs_MS.Trt_F
FCHO2	0.49602	-0.3879	0.353	0.37	1	HC_vs_MS.Trt_F
UBFD1	0.4965	1.31522	0.425	0.36	1	HC_vs_MS.Trt_F
INSIG2	0.49719	-1.0627	0.133	0.14	1	HC_vs_MS.Trt_F
STX3	0.4972	0.73937	0.483	0.45	1	HC_vs_MS.Trt_F
CARF	0.49732	-0.4737	0.546	0.51	1	HC_vs_MS.Trt_F
AP003419.1	0.49765	-0.4064	0.208	0.22	1	HC_vs_MS.Trt_F
CDR2	0.49775	1.03487	0.168	0.15	1	HC_vs_MS.Trt_F
CNEP1R1	0.49776	-1.5601	0.555	0.58	1	HC_vs_MS.Trt_F
PI16	0.49778	-0.4314	0.142	0.16	1	HC_vs_MS.Trt_F
APLF	0.49782	-0.8771	0.199	0.18	1	HC_vs_MS.Trt_F
C14orf119	0.49817	-0.8729	0.595	0.53	1	HC_vs_MS.Trt_F
CDC37L1	0.49835	0.76893	0.118	0.1	1	HC_vs_MS.Trt_F
AXL	0.49842	0.47251	0.772	0.72	1	HC_vs_MS.Trt_F
RNF121	0.49845	0.25336	0.361	0.32	1	HC_vs_MS.Trt_F
ATP8A1	0.49864	-0.2869	0.15	0.17	1	HC_vs_MS.Trt_F
MDM1	0.49877	0.55308	0.11	0.09	1	HC_vs_MS.Trt_F
VPS39	0.4993	-0.8704	0.538	0.49	1	HC_vs_MS.Trt_F
ARL8B	0.5	-0.4329	0.474	0.41	1	HC_vs_MS.Trt_F
SURF1	0.50001	-0.886	0.113	0.13	1	HC_vs_MS.Trt_F
NUDT7	0.50038	-0.3444	0.24	0.21	1	HC_vs_MS.Trt_F
SLC35F2	0.50043	0.315	0.312	0.29	1	HC_vs_MS.Trt_F
PCCA	0.5006	-0.4228	0.647	0.61	1	HC_vs_MS.Trt_F
RXRA	0.50063	0.58373	0.225	0.21	1	HC_vs_MS.Trt_F
SEZ6	0.50123	-0.3496	0.13	0.11	1	HC_vs_MS.Trt_F
ZDHHC18	0.50147	0.34535	0.118	0.1	1	HC_vs_MS.Trt_F
SUMF1	0.5019	0.76187	0.76	0.75	1	HC_vs_MS.Trt_F
ATP5L2	0.50247	0.41836	0.353	0.32	1	HC_vs_MS.Trt_F
GEMIN2	0.50256	-0.4186	0.691	0.68	1	HC_vs_MS.Trt_F
SLC22A5	0.5026	0.57094	0.428	0.39	1	HC_vs_MS.Trt_F
IL12RB1	0.50297	0.25428	0.89	0.87	1	HC_vs_MS.Trt_F
AGFG1	0.50309	-0.6896	0.095	0.11	1	HC_vs_MS.Trt_F
FURIN	0.50332	-0.4105	0.11	0.09	1	HC_vs_MS.Trt_F
MBD2	0.50334	-0.3468	0.095	0.11	1	HC_vs_MS.Trt_F
RCC2	0.50351	0.26874	0.13	0.11	1	HC_vs_MS.Trt_F

NME6	0.50363	0.2764	0.931	0.87	1	HC_vs_MS.Trt_F
SNAP23	0.50382	-0.2626	0.682	0.66	1	HC_vs_MS.Trt_F
TNFAIP8L1	0.5044	-0.3366	0.882	0.85	1	HC_vs_MS.Trt_F
PDGFA	0.50442	0.26692	0.578	0.57	1	HC_vs_MS.Trt_F
MRPL51	0.50464	-0.359	0.156	0.17	1	HC_vs_MS.Trt_F
IL18BP	0.50504	-0.3669	0.147	0.13	1	HC_vs_MS.Trt_F
SYNE4	0.50515	-0.4588	0.517	0.5	1	HC_vs_MS.Trt_F
SVEP1	0.50557	2.15598	0.243	0.22	1	HC_vs_MS.Trt_F
RNF146	0.50561	-0.8142	0.113	0.13	1	HC_vs_MS.Trt_F
LAMC3	0.50589	-1.4061	0.283	0.3	1	HC_vs_MS.Trt_F
PPP1R2	0.50595	-0.7108	0.656	0.64	1	HC_vs_MS.Trt_F
FAM173B	0.50611	0.30573	0.197	0.18	1	HC_vs_MS.Trt_F
WDR75	0.50631	0.5959	0.358	0.35	1	HC_vs_MS.Trt_F
ZNF3	0.50637	-0.7475	0.78	0.75	1	HC_vs_MS.Trt_F
IMP4	0.50711	-0.3902	0.263	0.28	1	HC_vs_MS.Trt_F
ARAP2	0.50711	-0.5192	0.335	0.29	1	HC_vs_MS.Trt_F
PER3	0.50714	1.68394	0.101	0.09	1	HC_vs_MS.Trt_F
MTIF2	0.50744	0.36685	0.408	0.42	1	HC_vs_MS.Trt_F
PRICKLE3	0.50781	0.77055	0.555	0.5	1	HC_vs_MS.Trt_F
ACP5	0.50808	-0.4575	0.165	0.14	1	HC_vs_MS.Trt_F
RARS	0.5083	-0.2782	0.532	0.49	1	HC_vs_MS.Trt_F
XYLB	0.50841	0.31378	0.488	0.47	1	HC_vs_MS.Trt_F
TMIGD2	0.50894	-0.6337	0.231	0.25	1	HC_vs_MS.Trt_F
SLC25A23	0.50962	-0.2607	0.462	0.49	1	HC_vs_MS.Trt_F
BTF3	0.50981	-0.254	0.555	0.55	1	HC_vs_MS.Trt_F
TRRAP	0.51013	-0.3999	0.165	0.14	1	HC_vs_MS.Trt_F
SMG6	0.51024	0.95722	0.251	0.24	1	HC_vs_MS.Trt_F
ARMC1	0.51034	-0.4962	0.127	0.14	1	HC_vs_MS.Trt_F
RNPEP	0.51118	0.2726	0.104	0.12	1	HC_vs_MS.Trt_F
SLFN5	0.51129	-0.3373	0.855	0.86	1	HC_vs_MS.Trt_F
CLCN2	0.51137	-0.2596	0.699	0.63	1	HC_vs_MS.Trt_F
FOCAD	0.5114	-0.3377	0.561	0.52	1	HC_vs_MS.Trt_F
C5orf15	0.5116	-1.1298	0.156	0.17	1	HC_vs_MS.Trt_F
TJP3	0.51213	-0.5177	0.095	0.11	1	HC_vs_MS.Trt_F
HABP4	0.51249	-0.9964	0.182	0.17	1	HC_vs_MS.Trt_F
FAR1	0.51268	0.98191	0.104	0.09	1	HC_vs_MS.Trt_F
EIF5	0.51287	-0.3534	0.598	0.58	1	HC_vs_MS.Trt_F
B3GAT3	0.51314	-0.4337	0.566	0.54	1	HC_vs_MS.Trt_F
TMEM8B	0.51321	0.34824	0.751	0.73	1	HC_vs_MS.Trt_F
SPTSSA	0.51326	0.34598	0.41	0.36	1	HC_vs_MS.Trt_F

USP9Y	0.51358	0.90999	0.292	0.27	1	HC_vs_MS.Trt_F
ALS2CL	0.51375	-0.3331	0.176	0.15	1	HC_vs_MS.Trt_F
GPN1	0.51379	-0.5309	0.147	0.17	1	HC_vs_MS.Trt_F
RASAL2	0.5141	0.39646	0.555	0.51	1	HC_vs_MS.Trt_F
NDUFC2	0.51447	-0.571	0.613	0.57	1	HC_vs_MS.Trt_F
ZC4H2	0.51501	1.73702	0.107	0.09	1	HC_vs_MS.Trt_F
GNPAT	0.51547	-0.737	0.168	0.18	1	HC_vs_MS.Trt_F
FPR1	0.51552	0.60779	0.506	0.48	1	HC_vs_MS.Trt_F
MRPL32	0.51569	-0.5751	0.168	0.18	1	HC_vs_MS.Trt_F
TADA1	0.51571	-0.5387	0.104	0.09	1	HC_vs_MS.Trt_F
MED30	0.51573	-0.6613	0.124	0.14	1	HC_vs_MS.Trt_F
UAP1	0.51574	-0.5797	0.092	0.11	1	HC_vs_MS.Trt_F
VPS4B	0.51588	-0.4671	0.803	0.76	1	HC_vs_MS.Trt_F
LYRM9	0.51616	0.52171	0.199	0.18	1	HC_vs_MS.Trt_F
PAK6	0.51686	0.33675	0.179	0.16	1	HC_vs_MS.Trt_F
NT5DC3	0.51704	-0.4384	0.829	0.83	1	HC_vs_MS.Trt_F
PTK6	0.51708	0.48274	0.405	0.39	1	HC_vs_MS.Trt_F
WDR55	0.51709	0.25094	0.717	0.68	1	HC_vs_MS.Trt_F
KRT10	0.51712	-0.5944	0.113	0.13	1	HC_vs_MS.Trt_F
AGA	0.51745	-0.4088	0.121	0.14	1	HC_vs_MS.Trt_F
FASTKD3	0.51794	-0.6524	0.09	0.1	1	HC_vs_MS.Trt_F
STOM	0.51804	0.27969	0.668	0.66	1	HC_vs_MS.Trt_F
CELSR3	0.51811	0.52997	0.113	0.1	1	HC_vs_MS.Trt_F
LRRC1	0.51852	-1.031	0.306	0.32	1	HC_vs_MS.Trt_F
OSTF1	0.5186	-0.5888	0.327	0.29	1	HC_vs_MS.Trt_F
MAP2K2	0.51894	-0.8059	0.766	0.71	1	HC_vs_MS.Trt_F
C2orf88	0.51926	0.55893	0.358	0.34	1	HC_vs_MS.Trt_F
MYO7A	0.51958	0.43948	0.361	0.39	1	HC_vs_MS.Trt_F
SNRPB	0.51977	-0.4068	0.24	0.21	1	HC_vs_MS.Trt_F
LRRC8D	0.51984	-0.7169	0.145	0.12	1	HC_vs_MS.Trt_F
IDI1	0.52002	-0.3665	0.243	0.21	1	HC_vs_MS.Trt_F
ZNF37A	0.52068	-0.9318	0.916	0.86	1	HC_vs_MS.Trt_F
SLC39A5	0.52072	0.63622	0.24	0.22	1	HC_vs_MS.Trt_F
FAM188A	0.52084	-0.4153	0.133	0.12	1	HC_vs_MS.Trt_F
HIST1H2AG	0.52102	0.50453	0.37	0.34	1	HC_vs_MS.Trt_F
CAMKMT	0.52111	-0.332	0.286	0.31	1	HC_vs_MS.Trt_F
TECPR2	0.52133	1.65207	0.338	0.36	1	HC_vs_MS.Trt_F
PRKCSH	0.52185	0.25724	0.725	0.72	1	HC_vs_MS.Trt_F
TP53BP1	0.52186	-1.109	0.306	0.32	1	HC_vs_MS.Trt_F
MRPL14	0.52192	-0.5802	0.136	0.12	1	HC_vs_MS.Trt_F

DYNLL2	0.52194	-0.6475	0.133	0.15	1	HC_vs_MS.Trt_F
UTP23	0.52232	-0.2606	0.59	0.57	1	HC_vs_MS.Trt_F
COMMD5	0.5224	-0.4734	0.098	0.11	1	HC_vs_MS.Trt_F
LRRN3	0.52291	-1.5035	0.121	0.14	1	HC_vs_MS.Trt_F
GRAMD2	0.52335	0.45619	0.572	0.55	1	HC_vs_MS.Trt_F
FNDC3B	0.52344	0.50178	0.783	0.75	1	HC_vs_MS.Trt_F
ZNF394	0.52444	0.28008	0.509	0.55	1	HC_vs_MS.Trt_F
B3GALNT1	0.52446	-0.4622	0.228	0.21	1	HC_vs_MS.Trt_F
CASP7	0.52447	1.16993	0.191	0.17	1	HC_vs_MS.Trt_F
SUCLA2	0.52448	-0.3506	0.147	0.13	1	HC_vs_MS.Trt_F
PADI2	0.52468	0.39496	0.315	0.28	1	HC_vs_MS.Trt_F
HNRNPH3	0.52485	-0.4037	0.251	0.22	1	HC_vs_MS.Trt_F
LRTOMT	0.5258	-0.3879	0.87	0.85	1	HC_vs_MS.Trt_F
HTATSF1	0.5266	-1.1412	0.159	0.17	1	HC_vs_MS.Trt_F
PPIL6	0.52664	0.36246	0.54	0.53	1	HC_vs_MS.Trt_F
TMEM179B	0.52679	-0.5744	0.205	0.22	1	HC_vs_MS.Trt_F
GCSAML	0.52687	0.71556	0.338	0.32	1	HC_vs_MS.Trt_F
IFI27L2	0.52717	-0.8595	0.251	0.26	1	HC_vs_MS.Trt_F
VPS26A	0.52724	-0.5903	0.408	0.38	1	HC_vs_MS.Trt_F
TUBGCP3	0.52735	-0.2828	0.165	0.14	1	HC_vs_MS.Trt_F
STK38	0.52774	-0.3947	0.46	0.45	1	HC_vs_MS.Trt_F
APEX2	0.52776	0.64308	0.402	0.37	1	HC_vs_MS.Trt_F
HIST2H2AA3	0.52788	0.28364	0.124	0.11	1	HC_vs_MS.Trt_F
HINT1	0.52861	-0.2759	0.772	0.72	1	HC_vs_MS.Trt_F
SCARF1	0.52907	0.50371	0.486	0.46	1	HC_vs_MS.Trt_F
ITGAV	0.52917	-0.2848	0.133	0.12	1	HC_vs_MS.Trt_F
CCDC146	0.52952	0.37866	0.104	0.09	1	HC_vs_MS.Trt_F
GNL3	0.52957	-0.6482	0.162	0.14	1	HC_vs_MS.Trt_F
TUNAR	0.5297	1.31306	0.168	0.15	1	HC_vs_MS.Trt_F
LEAP2	0.52994	0.25205	0.26	0.23	1	HC_vs_MS.Trt_F
EPC2	0.53009	0.49992	0.118	0.1	1	HC_vs_MS.Trt_F
DNAAF2	0.5301	0.25498	0.118	0.1	1	HC_vs_MS.Trt_F
PSMC4	0.53015	-0.4449	0.543	0.48	1	HC_vs_MS.Trt_F
SLC35E1	0.53018	0.50083	0.991	0.97	1	HC_vs_MS.Trt_F
FUT4	0.53048	-0.3531	0.39	0.35	1	HC_vs_MS.Trt_F
COPS4	0.5307	-0.7863	0.491	0.45	1	HC_vs_MS.Trt_F
RWDD2A	0.53089	-0.5461	0.52	0.5	1	HC_vs_MS.Trt_F
CTD-2207O2	0.53089	-0.6573	0.168	0.18	1	HC_vs_MS.Trt_F
METTL12	0.53183	0.59391	0.725	0.66	1	HC_vs_MS.Trt_F
DNAJA3	0.53282	-0.4626	0.962	0.91	1	HC_vs_MS.Trt_F

DOCK9	0.53302	0.455	0.338	0.3	1	HC_vs_MS.Trt_F
FAM111A	0.53314	-1.3078	0.552	0.53	1	HC_vs_MS.Trt_F
SLC12A9	0.5344	0.34815	0.902	0.87	1	HC_vs_MS.Trt_F
PAFAH1B3	0.53445	0.3338	0.11	0.09	1	HC_vs_MS.Trt_F
ATAD3C	0.53451	-0.2608	0.824	0.86	1	HC_vs_MS.Trt_F
RAP2B	0.53619	-0.347	0.697	0.64	1	HC_vs_MS.Trt_F
ZNF70	0.53649	-0.4046	0.893	0.87	1	HC_vs_MS.Trt_F
ACTG2	0.53657	1.10628	0.277	0.26	1	HC_vs_MS.Trt_F
CD27	0.53665	-0.3518	0.517	0.5	1	HC_vs_MS.Trt_F
IL5RA	0.53685	1.64825	0.318	0.29	1	HC_vs_MS.Trt_F
SYPL1	0.53698	-0.35	0.439	0.41	1	HC_vs_MS.Trt_F
DHX33	0.53699	-0.3423	0.341	0.35	1	HC_vs_MS.Trt_F
MED14	0.53707	-0.4259	0.188	0.16	1	HC_vs_MS.Trt_F
PPP1R9A	0.53718	0.32472	0.225	0.24	1	HC_vs_MS.Trt_F
MED13L	0.53732	-0.373	0.13	0.14	1	HC_vs_MS.Trt_F
MROH8	0.53769	-0.4695	0.373	0.39	1	HC_vs_MS.Trt_F
ITIH5	0.53798	0.25107	0.818	0.81	1	HC_vs_MS.Trt_F
LSM3	0.53856	0.46024	0.624	0.59	1	HC_vs_MS.Trt_F
AFF3	0.53867	0.62421	0.806	0.75	1	HC_vs_MS.Trt_F
SOS2	0.53909	-0.8821	0.136	0.12	1	HC_vs_MS.Trt_F
CHERP	0.53914	-0.285	0.191	0.17	1	HC_vs_MS.Trt_F
PLRG1	0.53914	0.3183	0.145	0.13	1	HC_vs_MS.Trt_F
BRD4	0.53956	-0.3807	0.353	0.32	1	HC_vs_MS.Trt_F
REXO1	0.53995	1.16748	0.118	0.1	1	HC_vs_MS.Trt_F
TOR1B	0.54003	-0.5388	0.277	0.26	1	HC_vs_MS.Trt_F
MAP3K10	0.54074	0.28918	0.39	0.34	1	HC_vs_MS.Trt_F
ZNF836	0.54083	-0.5936	0.251	0.22	1	HC_vs_MS.Trt_F
ZNF80	0.54094	-0.5134	0.246	0.22	1	HC_vs_MS.Trt_F
SNURF	0.54152	-0.2654	0.199	0.18	1	HC_vs_MS.Trt_F
C14orf80	0.54198	0.79627	0.324	0.28	1	HC_vs_MS.Trt_F
KIAA0368	0.54206	0.42593	0.272	0.25	1	HC_vs_MS.Trt_F
DDX39A	0.54276	-0.435	0.355	0.36	1	HC_vs_MS.Trt_F
SPTB	0.54308	-0.2576	0.471	0.45	1	HC_vs_MS.Trt_F
ZC3H15	0.54317	-0.6876	0.188	0.2	1	HC_vs_MS.Trt_F
KLHL21	0.5434	0.275	0.76	0.73	1	HC_vs_MS.Trt_F
RRP9	0.54374	0.81416	0.118	0.1	1	HC_vs_MS.Trt_F
NLRP2	0.54404	-0.5067	0.85	0.82	1	HC_vs_MS.Trt_F
KANK3	0.54405	0.34847	0.277	0.3	1	HC_vs_MS.Trt_F
ATG12	0.5442	-0.4634	0.789	0.77	1	HC_vs_MS.Trt_F
CIITA	0.54441	-0.776	0.962	0.91	1	HC_vs_MS.Trt_F



ANKRD28	0.54489	0.71677	0.439	0.41	1	HC_vs_MS.Trt_F
RNASSET2	0.54545	-0.4261	0.434	0.44	1	HC_vs_MS.Trt_F
TMEM97	0.54583	-1.1644	0.254	0.28	1	HC_vs_MS.Trt_F
ERO1A	0.54596	-0.6957	0.905	0.9	1	HC_vs_MS.Trt_F
AGMO	0.54626	1.1944	0.272	0.24	1	HC_vs_MS.Trt_F
PNPLA4	0.54631	-0.6243	0.283	0.25	1	HC_vs_MS.Trt_F
TMEM30A	0.54648	-1.1574	0.208	0.22	1	HC_vs_MS.Trt_F
UBAP2L	0.54661	-0.3294	0.269	0.28	1	HC_vs_MS.Trt_F
NTN5	0.54664	-0.2751	0.159	0.14	1	HC_vs_MS.Trt_F
SSB	0.54711	-0.5774	0.798	0.73	1	HC_vs_MS.Trt_F
C8orf76	0.5472	-0.2709	0.592	0.61	1	HC_vs_MS.Trt_F
LAPTM4A	0.54739	-0.6372	0.228	0.2	1	HC_vs_MS.Trt_F
TBPL1	0.54753	-0.4911	0.277	0.25	1	HC_vs_MS.Trt_F
RELT	0.54791	0.55467	0.11	0.1	1	HC_vs_MS.Trt_F
ZNF512	0.54793	-0.8396	0.142	0.15	1	HC_vs_MS.Trt_F
GMPPA	0.54803	-0.7785	0.292	0.3	1	HC_vs_MS.Trt_F
COASY	0.5484	0.31571	0.46	0.44	1	HC_vs_MS.Trt_F
CDC27	0.5484	-0.4149	0.474	0.5	1	HC_vs_MS.Trt_F
GADD45GIP	0.54873	-0.5983	0.182	0.16	1	HC_vs_MS.Trt_F
FCHSD2	0.54875	-0.3639	0.162	0.18	1	HC_vs_MS.Trt_F
UBE2W	0.54887	-0.4605	0.691	0.66	1	HC_vs_MS.Trt_F
CDC25B	0.54924	0.33869	0.312	0.29	1	HC_vs_MS.Trt_F
PTDSS2	0.54963	0.92922	0.107	0.09	1	HC_vs_MS.Trt_F
DIABLO	0.54969	-0.5719	0.749	0.74	1	HC_vs_MS.Trt_F
LRRC37A	0.54979	0.34821	0.434	0.4	1	HC_vs_MS.Trt_F
NDUFB7	0.55043	-0.6193	0.243	0.25	1	HC_vs_MS.Trt_F
TTC33	0.5521	-0.8756	0.246	0.26	1	HC_vs_MS.Trt_F
MAN2B1	0.55214	0.27225	0.639	0.63	1	HC_vs_MS.Trt_F
KLF3	0.55218	-0.4789	0.618	0.62	1	HC_vs_MS.Trt_F
SS18L1	0.55244	-0.6131	0.465	0.46	1	HC_vs_MS.Trt_F
C19orf48	0.55279	0.27522	0.405	0.37	1	HC_vs_MS.Trt_F
RDX	0.55333	-0.871	0.286	0.25	1	HC_vs_MS.Trt_F
YDJC	0.55456	-0.4079	0.15	0.16	1	HC_vs_MS.Trt_F
FUT7	0.55491	-0.5553	0.107	0.12	1	HC_vs_MS.Trt_F
EXOSC8	0.55534	-0.3079	0.512	0.52	1	HC_vs_MS.Trt_F
TRMT10C	0.55602	-0.4871	0.121	0.1	1	HC_vs_MS.Trt_F
ZSCAN20	0.55615	-0.73	0.315	0.3	1	HC_vs_MS.Trt_F
NAGA	0.55635	-0.6415	0.13	0.14	1	HC_vs_MS.Trt_F
CCT3	0.5565	0.30215	0.581	0.55	1	HC_vs_MS.Trt_F
OCIAD2	0.55715	-0.3225	0.662	0.61	1	HC_vs_MS.Trt_F

UTP14C	0.55746	-1.3255	0.194	0.21	1	HC_vs_MS.Trt_F
MCOLN3	0.55755	0.5354	0.517	0.51	1	HC_vs_MS.Trt_F
ACOX3	0.55771	-0.7854	0.121	0.13	1	HC_vs_MS.Trt_F
MINK1	0.55781	0.35898	0.295	0.26	1	HC_vs_MS.Trt_F
PLD1	0.55818	0.68509	0.549	0.58	1	HC_vs_MS.Trt_F
LIN37	0.55833	0.5251	0.104	0.09	1	HC_vs_MS.Trt_F
JADE1	0.55837	-0.8352	0.364	0.38	1	HC_vs_MS.Trt_F
CPEB4	0.55848	-0.4161	0.197	0.17	1	HC_vs_MS.Trt_F
C22orf46	0.55851	-0.4418	0.39	0.36	1	HC_vs_MS.Trt_F
IFI44	0.55921	0.28969	0.104	0.09	1	HC_vs_MS.Trt_F
ERGIC2	0.55925	0.33538	0.526	0.47	1	HC_vs_MS.Trt_F
MAP2K6	0.55937	0.39548	0.408	0.38	1	HC_vs_MS.Trt_F
TRMT13	0.56012	-0.4177	0.118	0.13	1	HC_vs_MS.Trt_F
SMIM15	0.56087	-0.3687	0.104	0.12	1	HC_vs_MS.Trt_F
FHDC1	0.56135	-0.5498	0.506	0.49	1	HC_vs_MS.Trt_F
PODN	0.56152	1.60664	0.436	0.42	1	HC_vs_MS.Trt_F
IMMT	0.56187	-0.6796	0.486	0.44	1	HC_vs_MS.Trt_F
KDM7A	0.56189	-0.2538	0.254	0.26	1	HC_vs_MS.Trt_F
TFIP11	0.56223	-1.0664	0.549	0.49	1	HC_vs_MS.Trt_F
C15orf38-AF	0.56245	-0.5028	0.402	0.37	1	HC_vs_MS.Trt_F
SETMAR	0.56249	-1.0434	0.332	0.33	1	HC_vs_MS.Trt_F
COX6C	0.56253	-0.6048	0.503	0.49	1	HC_vs_MS.Trt_F
MAGIX	0.56268	-0.3955	0.523	0.51	1	HC_vs_MS.Trt_F
SULF2	0.563	0.27502	0.139	0.12	1	HC_vs_MS.Trt_F
NFKB1	0.56306	-1.5396	0.15	0.13	1	HC_vs_MS.Trt_F
KTN1	0.56338	-0.8273	0.604	0.57	1	HC_vs_MS.Trt_F
OGFR	0.56365	0.28825	0.223	0.2	1	HC_vs_MS.Trt_F
P3H2	0.56402	0.5107	0.517	0.47	1	HC_vs_MS.Trt_F
SERP1	0.56418	-0.4921	0.584	0.59	1	HC_vs_MS.Trt_F
AKAP8	0.56438	0.39726	0.422	0.39	1	HC_vs_MS.Trt_F
AK1	0.56445	-0.7825	0.121	0.1	1	HC_vs_MS.Trt_F
SAXO2	0.56455	0.33233	0.269	0.24	1	HC_vs_MS.Trt_F
CSMD1	0.56493	0.69077	0.361	0.33	1	HC_vs_MS.Trt_F
ELMO2	0.56519	-0.6409	0.246	0.21	1	HC_vs_MS.Trt_F
STX2	0.5653	-0.418	0.52	0.48	1	HC_vs_MS.Trt_F
EID1	0.56581	-0.3753	0.379	0.38	1	HC_vs_MS.Trt_F
NLN	0.56584	-0.4423	0.754	0.73	1	HC_vs_MS.Trt_F
MED1	0.56587	-0.5271	0.396	0.36	1	HC_vs_MS.Trt_F
TRIM68	0.5662	0.52166	0.618	0.56	1	HC_vs_MS.Trt_F
TSEN15	0.56643	-0.5102	0.237	0.21	1	HC_vs_MS.Trt_F

RAD52	0.56649	0.32966	0.254	0.27	1	HC_vs_MS.Trt_F
FIGNL1	0.56666	-0.3677	0.171	0.15	1	HC_vs_MS.Trt_F
PIAS1	0.56781	-0.2507	0.379	0.34	1	HC_vs_MS.Trt_F
SPPL2A	0.56799	0.44555	0.951	0.93	1	HC_vs_MS.Trt_F
MAZ	0.56805	0.31809	0.182	0.17	1	HC_vs_MS.Trt_F
PRMT9	0.56841	-0.2627	0.223	0.2	1	HC_vs_MS.Trt_F
UBE2D4	0.56843	-0.5714	0.699	0.72	1	HC_vs_MS.Trt_F
NUDT19	0.56865	-0.815	0.876	0.89	1	HC_vs_MS.Trt_F
DIAPH2	0.56875	0.31181	0.341	0.32	1	HC_vs_MS.Trt_F
CARD6	0.5689	-0.4636	0.552	0.51	1	HC_vs_MS.Trt_F
CLOCK	0.56902	-0.6497	0.171	0.18	1	HC_vs_MS.Trt_F
RANGAP1	0.56927	0.40514	0.754	0.73	1	HC_vs_MS.Trt_F
ZNF652	0.56957	-1.0783	0.581	0.53	1	HC_vs_MS.Trt_F
ATP5G1	0.56962	-0.8036	0.306	0.32	1	HC_vs_MS.Trt_F
FAM220A	0.57051	0.85032	0.367	0.34	1	HC_vs_MS.Trt_F
AKR1B10	0.57059	0.44907	0.488	0.48	1	HC_vs_MS.Trt_F
FAM134C	0.57066	-0.39	0.694	0.63	1	HC_vs_MS.Trt_F
LIG3	0.57122	1.16681	0.289	0.27	1	HC_vs_MS.Trt_F
UNC119	0.5715	-0.7565	0.101	0.11	1	HC_vs_MS.Trt_F
GNB1	0.57195	-0.3042	0.329	0.35	1	HC_vs_MS.Trt_F
SHARPIN	0.57212	-0.327	0.139	0.15	1	HC_vs_MS.Trt_F
ZNF587B	0.57216	-0.2719	0.35	0.31	1	HC_vs_MS.Trt_F
POLE	0.57246	-0.3204	0.882	0.83	1	HC_vs_MS.Trt_F
SNRNP48	0.57262	0.50558	0.208	0.22	1	HC_vs_MS.Trt_F
BLM	0.57263	-0.3706	0.292	0.27	1	HC_vs_MS.Trt_F
CCDC88A	0.5727	-0.2807	0.705	0.66	1	HC_vs_MS.Trt_F
CUL3	0.57317	-0.2622	0.347	0.31	1	HC_vs_MS.Trt_F
ATP11A	0.57321	-0.2626	0.292	0.27	1	HC_vs_MS.Trt_F
ZNF223	0.57391	-1.0209	0.104	0.12	1	HC_vs_MS.Trt_F
TMTC3	0.57392	-0.3425	0.269	0.24	1	HC_vs_MS.Trt_F
LSM12	0.57398	-0.3804	0.656	0.67	1	HC_vs_MS.Trt_F
MIS12	0.5741	-0.3939	0.341	0.31	1	HC_vs_MS.Trt_F
ARID5A	0.57413	-0.4509	0.225	0.23	1	HC_vs_MS.Trt_F
PPT2	0.57416	0.63392	0.604	0.58	1	HC_vs_MS.Trt_F
PDS5B	0.57445	-0.4446	0.344	0.36	1	HC_vs_MS.Trt_F
STK39	0.57466	0.35114	0.162	0.14	1	HC_vs_MS.Trt_F
C4orf3	0.57473	-0.65	0.497	0.48	1	HC_vs_MS.Trt_F
MTMR14	0.57478	-0.3203	0.656	0.61	1	HC_vs_MS.Trt_F
TNPO2	0.57587	1.12033	0.168	0.15	1	HC_vs_MS.Trt_F
TXNDC16	0.57629	-0.3481	0.133	0.12	1	HC_vs_MS.Trt_F

LST1	0.57663	0.44732	0.272	0.26	1	HC_vs_MS.Trt_F
BTN2A1	0.57686	-0.5326	0.156	0.17	1	HC_vs_MS.Trt_F
NECAB1	0.57695	0.45463	0.156	0.14	1	HC_vs_MS.Trt_F
UBAP1	0.5771	-0.3013	0.153	0.13	1	HC_vs_MS.Trt_F
CPSF6	0.57745	0.26554	0.396	0.42	1	HC_vs_MS.Trt_F
ZC2HC1C	0.57745	-0.6451	0.124	0.14	1	HC_vs_MS.Trt_F
SH2D3A	0.57786	0.4445	0.945	0.95	1	HC_vs_MS.Trt_F
SLC25A24	0.57787	-0.4346	0.121	0.13	1	HC_vs_MS.Trt_F
TNKS	0.57792	0.68229	0.844	0.81	1	HC_vs_MS.Trt_F
BEX4	0.57823	-0.572	0.113	0.12	1	HC_vs_MS.Trt_F
PYGB	0.57828	-0.2696	0.165	0.14	1	HC_vs_MS.Trt_F
TACO1	0.57843	1.11676	0.393	0.39	1	HC_vs_MS.Trt_F
ARID5B	0.57862	-0.5001	0.864	0.77	1	HC_vs_MS.Trt_F
S1PR1	0.57865	-0.3758	0.465	0.43	1	HC_vs_MS.Trt_F
ANKRD13C	0.57884	-0.9607	0.145	0.12	1	HC_vs_MS.Trt_F
CRAMP1	0.57912	-0.616	0.104	0.09	1	HC_vs_MS.Trt_F
RFC5	0.57944	-0.5842	0.199	0.18	1	HC_vs_MS.Trt_F
RGPD3	0.57962	0.32868	0.104	0.09	1	HC_vs_MS.Trt_F
CECR5	0.57995	-0.3118	0.214	0.19	1	HC_vs_MS.Trt_F
RP11-15H20	0.57998	0.54066	0.136	0.15	1	HC_vs_MS.Trt_F
SMS	0.58001	-0.3524	0.185	0.16	1	HC_vs_MS.Trt_F
ZNF100	0.58034	0.27408	0.864	0.84	1	HC_vs_MS.Trt_F
FBXO9	0.58039	0.25897	0.803	0.81	1	HC_vs_MS.Trt_F
MGA	0.58041	-0.3231	0.908	0.88	1	HC_vs_MS.Trt_F
AASDHPPT	0.58064	-0.2634	0.231	0.21	1	HC_vs_MS.Trt_F
PYGO2	0.58114	-0.4113	0.173	0.15	1	HC_vs_MS.Trt_F
MRPL35	0.58193	-1.0711	0.156	0.13	1	HC_vs_MS.Trt_F
TOE1	0.58217	-1.0977	0.09	0.1	1	HC_vs_MS.Trt_F
COPS9	0.58233	-0.5517	0.176	0.19	1	HC_vs_MS.Trt_F
AEN	0.58262	0.49814	0.153	0.14	1	HC_vs_MS.Trt_F
PPP1R3F	0.5827	-0.3102	0.162	0.14	1	HC_vs_MS.Trt_F
PPP6R1	0.5828	-0.3079	0.355	0.31	1	HC_vs_MS.Trt_F
ZNF576	0.58302	-0.3641	0.546	0.54	1	HC_vs_MS.Trt_F
NCBP2-AS2	0.58305	-0.3236	0.139	0.12	1	HC_vs_MS.Trt_F
FMR1	0.5831	-0.3202	0.153	0.14	1	HC_vs_MS.Trt_F
GALNT3	0.58319	-0.6514	0.095	0.11	1	HC_vs_MS.Trt_F
CWC27	0.58344	0.40178	0.168	0.15	1	HC_vs_MS.Trt_F
XYLT1	0.58345	0.57558	0.162	0.14	1	HC_vs_MS.Trt_F
TSPAN17	0.58376	-0.4271	0.133	0.12	1	HC_vs_MS.Trt_F
RAB9A	0.58377	-0.801	0.116	0.13	1	HC_vs_MS.Trt_F

GTF2E1	0.58389	0.94022	0.295	0.32	1	HC_vs_MS.Trt_F
SQRDL	0.58393	-0.32	0.171	0.15	1	HC_vs_MS.Trt_F
MRPS12	0.58418	-0.3356	0.436	0.42	1	HC_vs_MS.Trt_F
MRPS23	0.58422	-0.4005	0.858	0.84	1	HC_vs_MS.Trt_F
H2AFZ	0.58433	-0.2784	0.39	0.35	1	HC_vs_MS.Trt_F
ZFP37	0.58447	-0.8703	0.425	0.43	1	HC_vs_MS.Trt_F
ARL6IP4	0.58475	-0.3693	0.306	0.31	1	HC_vs_MS.Trt_F
GART	0.58521	-0.2902	0.858	0.84	1	HC_vs_MS.Trt_F
PYCR2	0.58531	0.42192	0.679	0.66	1	HC_vs_MS.Trt_F
ABHD17B	0.58578	-0.4766	0.303	0.27	1	HC_vs_MS.Trt_F
AKAP5	0.58614	0.3864	0.662	0.66	1	HC_vs_MS.Trt_F
C14orf2	0.58619	-0.5871	0.855	0.8	1	HC_vs_MS.Trt_F
PMF1-BGLA	0.58667	-0.4755	0.11	0.12	1	HC_vs_MS.Trt_F
LEPR	0.58696	0.42249	0.373	0.36	1	HC_vs_MS.Trt_F
PGAP2	0.58699	-0.3053	0.107	0.09	1	HC_vs_MS.Trt_F
SEC61G	0.58764	-0.4963	0.312	0.32	1	HC_vs_MS.Trt_F
CCDC117	0.58773	-0.8679	0.416	0.37	1	HC_vs_MS.Trt_F
SLC9A3R1	0.5883	-0.4028	0.384	0.35	1	HC_vs_MS.Trt_F
SLC48A1	0.58846	-0.7931	0.633	0.59	1	HC_vs_MS.Trt_F
ZNF574	0.5889	0.26495	0.373	0.39	1	HC_vs_MS.Trt_F
VPS16	0.58915	-0.6503	0.153	0.13	1	HC_vs_MS.Trt_F
CACNG8	0.58931	0.28868	0.835	0.82	1	HC_vs_MS.Trt_F
RBM19	0.58973	-0.557	0.451	0.45	1	HC_vs_MS.Trt_F
HNRNPK	0.5907	-0.263	0.708	0.67	1	HC_vs_MS.Trt_F
CCDC126	0.59093	-0.6202	0.118	0.1	1	HC_vs_MS.Trt_F
MDC1	0.59127	-0.4929	0.104	0.12	1	HC_vs_MS.Trt_F
CNNM2	0.59166	1.38832	0.341	0.32	1	HC_vs_MS.Trt_F
GABARAPL2	0.59204	-0.2773	0.555	0.48	1	HC_vs_MS.Trt_F
PDGFRA	0.59253	0.38038	0.243	0.22	1	HC_vs_MS.Trt_F
CTB-50L17.1	0.59287	-0.3479	0.65	0.61	1	HC_vs_MS.Trt_F
TANC1	0.59334	0.30358	0.376	0.38	1	HC_vs_MS.Trt_F
CACNB2	0.5935	-0.5339	0.471	0.47	1	HC_vs_MS.Trt_F
UMPS	0.59389	-0.3372	0.688	0.68	1	HC_vs_MS.Trt_F
TBC1D23	0.59397	-0.2686	0.15	0.13	1	HC_vs_MS.Trt_F
RNF13	0.59506	-0.7893	0.199	0.17	1	HC_vs_MS.Trt_F
SLC26A8	0.5954	0.32205	0.731	0.71	1	HC_vs_MS.Trt_F
GPR22	0.59552	-0.4437	0.127	0.11	1	HC_vs_MS.Trt_F
MFSD14B	0.59552	-0.5552	0.139	0.12	1	HC_vs_MS.Trt_F
MPG	0.59562	-0.4569	0.165	0.17	1	HC_vs_MS.Trt_F
FEM1C	0.5959	-0.7043	0.147	0.16	1	HC_vs_MS.Trt_F

RAB5A	0.59608	-0.5438	0.176	0.16	1	HC_vs_MS.Trt_F
ARPC5L	0.59619	-0.5477	0.197	0.21	1	HC_vs_MS.Trt_F
C16orf45	0.59626	0.54087	0.22	0.2	1	HC_vs_MS.Trt_F
ADPRHL2	0.59652	-1.3096	0.095	0.1	1	HC_vs_MS.Trt_F
C14orf159	0.59666	0.57914	0.592	0.62	1	HC_vs_MS.Trt_F
KATNA1	0.59669	-1.2952	0.113	0.12	1	HC_vs_MS.Trt_F
ZNF432	0.59688	1.06183	0.642	0.62	1	HC_vs_MS.Trt_F
FAM104A	0.59705	-0.7974	0.191	0.2	1	HC_vs_MS.Trt_F
TTYH2	0.59732	-0.3911	0.116	0.1	1	HC_vs_MS.Trt_F
TNFAIP8	0.59759	-0.5117	0.899	0.84	1	HC_vs_MS.Trt_F
SAFB	0.5977	-0.6304	0.379	0.37	1	HC_vs_MS.Trt_F
INPP5B	0.59795	-0.3183	0.96	0.95	1	HC_vs_MS.Trt_F
NELFCD	0.59807	0.40873	0.598	0.59	1	HC_vs_MS.Trt_F
LRRC69	0.59872	-0.2674	0.595	0.58	1	HC_vs_MS.Trt_F
GIGYF2	0.59873	-0.5194	0.925	0.89	1	HC_vs_MS.Trt_F
ARHGAP44	0.59877	-1.0486	0.329	0.31	1	HC_vs_MS.Trt_F
TMEM19	0.599	-0.4251	0.772	0.8	1	HC_vs_MS.Trt_F
ZNF665	0.59909	-0.3921	0.954	0.92	1	HC_vs_MS.Trt_F
RAB36	0.59918	0.58427	0.39	0.36	1	HC_vs_MS.Trt_F
AK6	0.59988	-0.9605	0.234	0.24	1	HC_vs_MS.Trt_F
LPCAT3	0.60037	-0.4051	0.486	0.44	1	HC_vs_MS.Trt_F
ADGRG1	0.6004	-0.918	0.749	0.69	1	HC_vs_MS.Trt_F
DDX20	0.60047	-0.433	0.116	0.1	1	HC_vs_MS.Trt_F
HSPE1-MOB	0.60055	-0.592	0.101	0.11	1	HC_vs_MS.Trt_F
TBC1D9B	0.60057	-0.7356	0.503	0.45	1	HC_vs_MS.Trt_F
DNMBP	0.60093	0.56659	0.101	0.09	1	HC_vs_MS.Trt_F
ZBTB25	0.6017	-0.4568	0.983	0.98	1	HC_vs_MS.Trt_F
SLC25A5	0.60206	-0.3486	0.347	0.31	1	HC_vs_MS.Trt_F
ARL2BP	0.60209	-0.4981	0.153	0.16	1	HC_vs_MS.Trt_F
FAM65B	0.60221	-0.4239	0.673	0.65	1	HC_vs_MS.Trt_F
ZC3H8	0.60232	-0.3235	0.818	0.78	1	HC_vs_MS.Trt_F
GNS	0.60248	0.34408	0.775	0.8	1	HC_vs_MS.Trt_F
PYM1	0.60255	-0.5782	0.231	0.23	1	HC_vs_MS.Trt_F
FAM185A	0.60325	0.35321	0.113	0.13	1	HC_vs_MS.Trt_F
SNX14	0.60354	-0.4326	0.59	0.52	1	HC_vs_MS.Trt_F
PEX11A	0.60395	-0.3166	0.578	0.57	1	HC_vs_MS.Trt_F
BACE1	0.60403	-0.594	0.613	0.54	1	HC_vs_MS.Trt_F
SYT11	0.60404	-0.3228	0.705	0.6	1	HC_vs_MS.Trt_F
C1orf162	0.60407	0.37395	0.142	0.13	1	HC_vs_MS.Trt_F
DENND5A	0.60445	0.48527	0.275	0.26	1	HC_vs_MS.Trt_F

TIGD6	0.60452	0.86099	0.246	0.23	1	HC_vs_MS.Trt_F
CNNM3	0.60517	0.27327	0.645	0.6	1	HC_vs_MS.Trt_F
NEDD1	0.60572	-0.292	0.15	0.16	1	HC_vs_MS.Trt_F
ZNF721	0.60595	-0.6804	0.376	0.37	1	HC_vs_MS.Trt_F
MCM9	0.606	-0.9695	0.341	0.35	1	HC_vs_MS.Trt_F
DLD	0.60609	-0.4634	0.179	0.16	1	HC_vs_MS.Trt_F
CMC1	0.60659	-0.3231	0.217	0.19	1	HC_vs_MS.Trt_F
C12orf43	0.60674	0.43805	0.922	0.9	1	HC_vs_MS.Trt_F
PTAFR	0.60678	0.48011	0.642	0.64	1	HC_vs_MS.Trt_F
ZNF23	0.6073	0.56991	0.396	0.37	1	HC_vs_MS.Trt_F
ZNF45	0.60744	-0.5191	0.344	0.32	1	HC_vs_MS.Trt_F
MRPL24	0.60824	-0.2833	0.145	0.13	1	HC_vs_MS.Trt_F
PUM2	0.60882	-0.2769	0.338	0.35	1	HC_vs_MS.Trt_F
ISY1	0.60931	-0.3696	0.624	0.6	1	HC_vs_MS.Trt_F
PIH1D1	0.60945	0.25207	0.338	0.31	1	HC_vs_MS.Trt_F
BTN3A2	0.60956	-0.3548	0.76	0.7	1	HC_vs_MS.Trt_F
PAWR	0.61043	0.25745	0.72	0.72	1	HC_vs_MS.Trt_F
NOP10	0.61071	-0.6447	0.228	0.23	1	HC_vs_MS.Trt_F
ARMC2	0.61098	0.48938	0.11	0.1	1	HC_vs_MS.Trt_F
SLC25A25	0.61157	-0.6285	0.121	0.11	1	HC_vs_MS.Trt_F
TMEM217	0.61184	0.70895	0.113	0.1	1	HC_vs_MS.Trt_F
IP6K1	0.61297	-0.5598	0.171	0.15	1	HC_vs_MS.Trt_F
FAM78A	0.61311	0.7045	0.364	0.34	1	HC_vs_MS.Trt_F
HCST	0.61342	-0.3106	0.434	0.37	1	HC_vs_MS.Trt_F
CREB1	0.61342	-0.4564	0.665	0.63	1	HC_vs_MS.Trt_F
CHRAC1	0.61437	0.5555	0.506	0.51	1	HC_vs_MS.Trt_F
GSTT1	0.61448	-0.3304	0.74	0.69	1	HC_vs_MS.Trt_F
RAB28	0.61493	0.47821	0.136	0.12	1	HC_vs_MS.Trt_F
RAB3D	0.61536	-0.5026	0.673	0.58	1	HC_vs_MS.Trt_F
ZNF610	0.61544	-0.4684	0.445	0.47	1	HC_vs_MS.Trt_F
FAM208A	0.61599	-0.5822	0.711	0.74	1	HC_vs_MS.Trt_F
CDC123	0.61643	-0.3071	0.228	0.21	1	HC_vs_MS.Trt_F
DBR1	0.61663	-0.2578	0.786	0.79	1	HC_vs_MS.Trt_F
ABCA6	0.61691	0.27885	0.685	0.69	1	HC_vs_MS.Trt_F
HEXDC	0.6172	-0.646	0.405	0.37	1	HC_vs_MS.Trt_F
TRMT2A	0.61736	-0.3677	0.185	0.16	1	HC_vs_MS.Trt_F
QSER1	0.61746	-1.107	0.11	0.1	1	HC_vs_MS.Trt_F
RP11-277P1	0.61811	0.38943	0.09	0.1	1	HC_vs_MS.Trt_F
PPARGC1B	0.61815	-0.3881	0.763	0.73	1	HC_vs_MS.Trt_F
LRMP	0.61824	-0.3444	0.113	0.12	1	HC_vs_MS.Trt_F

KLHL26	0.61834	0.29864	0.552	0.56	1	HC_vs_MS.Trt_F
ZHX1	0.61838	-0.8404	0.598	0.57	1	HC_vs_MS.Trt_F
ZNF181	0.61857	-0.9635	0.194	0.17	1	HC_vs_MS.Trt_F
EIF4E3	0.6187	-0.8176	0.176	0.16	1	HC_vs_MS.Trt_F
ZDHHC6	0.61872	-0.6646	0.188	0.17	1	HC_vs_MS.Trt_F
AK9	0.61929	-0.6282	0.76	0.66	1	HC_vs_MS.Trt_F
CCNT2	0.61999	-0.4672	0.179	0.16	1	HC_vs_MS.Trt_F
CTD-2192J10	0.62014	0.33607	0.512	0.48	1	HC_vs_MS.Trt_F
SLC6A6	0.62017	-0.4297	0.217	0.19	1	HC_vs_MS.Trt_F
7-Sep	0.62053	-0.3499	0.751	0.68	1	HC_vs_MS.Trt_F
KLHL28	0.62094	-0.3761	0.382	0.39	1	HC_vs_MS.Trt_F
RRM2B	0.6211	0.38219	0.182	0.17	1	HC_vs_MS.Trt_F
SKA2	0.62148	-0.6074	0.601	0.59	1	HC_vs_MS.Trt_F
MOB1A	0.62175	-0.4118	0.85	0.82	1	HC_vs_MS.Trt_F
COX5B	0.6223	-0.5669	0.832	0.79	1	HC_vs_MS.Trt_F
CMC2	0.62256	-0.5278	0.876	0.88	1	HC_vs_MS.Trt_F
BOLA2B	0.62259	-0.3764	0.147	0.16	1	HC_vs_MS.Trt_F
PDP2	0.62355	0.35929	0.835	0.8	1	HC_vs_MS.Trt_F
CGGBP1	0.62376	-0.7894	0.228	0.21	1	HC_vs_MS.Trt_F
RPL24	0.62377	-0.2908	0.777	0.75	1	HC_vs_MS.Trt_F
SLC52A1	0.6239	-0.2904	0.792	0.76	1	HC_vs_MS.Trt_F
ZNF8	0.62427	-0.3588	0.96	0.97	1	HC_vs_MS.Trt_F
SCOC	0.62433	-0.3325	0.127	0.11	1	HC_vs_MS.Trt_F
DBNDD1	0.62489	0.90115	0.182	0.19	1	HC_vs_MS.Trt_F
SSSCA1	0.62496	-0.3492	0.11	0.1	1	HC_vs_MS.Trt_F
SSRP1	0.62523	-0.3784	0.171	0.15	1	HC_vs_MS.Trt_F
ANK1	0.62545	-1.3238	0.217	0.23	1	HC_vs_MS.Trt_F
S100B	0.62569	0.64274	0.153	0.14	1	HC_vs_MS.Trt_F
PLEKHG4	0.62571	-0.4857	0.197	0.21	1	HC_vs_MS.Trt_F
SDHA	0.62579	-0.3094	0.581	0.57	1	HC_vs_MS.Trt_F
AARS2	0.62579	-0.4495	0.457	0.42	1	HC_vs_MS.Trt_F
TG	0.62582	0.89558	0.098	0.11	1	HC_vs_MS.Trt_F
PWWP2A	0.62615	-0.782	0.139	0.15	1	HC_vs_MS.Trt_F
LYPLA1	0.62649	-0.3143	0.561	0.52	1	HC_vs_MS.Trt_F
PLBD1	0.62668	0.38677	0.5	0.48	1	HC_vs_MS.Trt_F
ZSCAN22	0.62672	-0.3357	0.48	0.49	1	HC_vs_MS.Trt_F
APC2	0.62679	0.44389	0.104	0.12	1	HC_vs_MS.Trt_F
LNPBK	0.6271	-0.527	0.558	0.55	1	HC_vs_MS.Trt_F
LPAR4	0.62715	0.34461	0.185	0.17	1	HC_vs_MS.Trt_F
LEF1	0.62806	-0.3082	0.379	0.38	1	HC_vs_MS.Trt_F



HIST1H1D	0.62854	0.27744	0.095	0.1	1	HC_vs_MS.Trt_F
FBRSL1	0.62917	-0.2804	0.113	0.1	1	HC_vs_MS.Trt_F
ACAA1	0.62924	-0.4734	0.52	0.48	1	HC_vs_MS.Trt_F
EIF3E	0.62962	-0.3978	0.538	0.46	1	HC_vs_MS.Trt_F
HIP1R	0.62973	0.89163	0.11	0.1	1	HC_vs_MS.Trt_F
ZIK1	0.63009	-1.2156	0.327	0.34	1	HC_vs_MS.Trt_F
ZNF880	0.63019	-0.6925	0.512	0.5	1	HC_vs_MS.Trt_F
PLA2G6	0.63041	0.94369	0.428	0.43	1	HC_vs_MS.Trt_F
MAPKAPK2	0.63093	0.81875	0.104	0.09	1	HC_vs_MS.Trt_F
COX7A2	0.63113	-0.4421	0.728	0.71	1	HC_vs_MS.Trt_F
RAB35	0.63126	0.30352	0.168	0.15	1	HC_vs_MS.Trt_F
TMEM115	0.63173	-0.6683	0.107	0.12	1	HC_vs_MS.Trt_F
CNOT11	0.63213	0.30429	0.133	0.12	1	HC_vs_MS.Trt_F
FAM114A2	0.63245	-0.4454	0.098	0.11	1	HC_vs_MS.Trt_F
C6orf89	0.63312	0.3244	0.431	0.46	1	HC_vs_MS.Trt_F
IFNLR1	0.63319	0.72661	0.13	0.14	1	HC_vs_MS.Trt_F
TMEM136	0.63332	-0.9385	0.512	0.54	1	HC_vs_MS.Trt_F
SBDS	0.63375	-0.2842	0.309	0.28	1	HC_vs_MS.Trt_F
EPHA4	0.63384	-0.78	0.237	0.21	1	HC_vs_MS.Trt_F
PIKFYVE	0.63415	0.48702	0.41	0.4	1	HC_vs_MS.Trt_F
GPN3	0.63441	0.99602	0.379	0.36	1	HC_vs_MS.Trt_F
BSPRY	0.63448	0.59969	0.11	0.1	1	HC_vs_MS.Trt_F
ZC3H7A	0.6345	-0.6947	0.416	0.37	1	HC_vs_MS.Trt_F
SMARCAL1	0.63516	-0.3393	0.743	0.69	1	HC_vs_MS.Trt_F
SAV1	0.63516	-0.5561	0.329	0.34	1	HC_vs_MS.Trt_F
PRPF6	0.63565	-0.3217	0.231	0.21	1	HC_vs_MS.Trt_F
PANK1	0.63584	0.43166	0.497	0.45	1	HC_vs_MS.Trt_F
PNP	0.63596	0.25771	0.416	0.39	1	HC_vs_MS.Trt_F
DKC1	0.6362	-0.294	0.373	0.39	1	HC_vs_MS.Trt_F
RABL2B	0.63659	0.43836	0.916	0.9	1	HC_vs_MS.Trt_F
FAM227B	0.63694	-0.5517	0.384	0.39	1	HC_vs_MS.Trt_F
MEAF6	0.63709	-0.3337	0.277	0.25	1	HC_vs_MS.Trt_F
TIGAR	0.63713	-0.5051	0.905	0.9	1	HC_vs_MS.Trt_F
DDIAS	0.63718	0.35118	0.46	0.47	1	HC_vs_MS.Trt_F
COG2	0.63746	-0.3736	0.37	0.35	1	HC_vs_MS.Trt_F
ZNF761	0.63768	-1.1535	0.737	0.73	1	HC_vs_MS.Trt_F
RPRD1A	0.6379	-0.4358	0.179	0.16	1	HC_vs_MS.Trt_F
PPP5D1	0.63802	-0.3714	0.783	0.75	1	HC_vs_MS.Trt_F
PDE6D	0.63838	-0.8824	0.147	0.16	1	HC_vs_MS.Trt_F
RBX1	0.6385	-0.9117	0.309	0.26	1	HC_vs_MS.Trt_F

COIL	0.63871	-0.6258	0.142	0.15	1	HC_vs_MS.Trt_F
EID2B	0.63877	0.46724	0.523	0.51	1	HC_vs_MS.Trt_F
NAA38	0.63966	-0.4374	0.147	0.13	1	HC_vs_MS.Trt_F
PLAT	0.64033	-0.468	0.104	0.12	1	HC_vs_MS.Trt_F
PLXDC1	0.64045	-0.5905	0.731	0.69	1	HC_vs_MS.Trt_F
ZMYM4	0.64056	0.77433	0.165	0.15	1	HC_vs_MS.Trt_F
SCO1	0.64086	-0.2733	0.85	0.79	1	HC_vs_MS.Trt_F
ZNF808	0.64093	-0.9814	0.526	0.54	1	HC_vs_MS.Trt_F
PBX4	0.64105	-0.4793	0.197	0.18	1	HC_vs_MS.Trt_F
CTIF	0.64118	-0.8483	0.234	0.25	1	HC_vs_MS.Trt_F
STXBP5	0.64174	-0.4439	0.197	0.18	1	HC_vs_MS.Trt_F
FLII	0.64197	-0.451	0.249	0.22	1	HC_vs_MS.Trt_F
MTRF1	0.64231	-0.2867	0.598	0.57	1	HC_vs_MS.Trt_F
IL17RC	0.64239	1.15471	0.439	0.43	1	HC_vs_MS.Trt_F
TMPRSS11B	0.64323	-0.5077	0.373	0.37	1	HC_vs_MS.Trt_F
CRB1	0.64351	-0.4477	0.176	0.16	1	HC_vs_MS.Trt_F
G6PD	0.64372	-0.4645	0.107	0.12	1	HC_vs_MS.Trt_F
ADHFE1	0.64378	-0.4328	0.179	0.16	1	HC_vs_MS.Trt_F
CNST	0.64388	-0.4542	0.303	0.27	1	HC_vs_MS.Trt_F
TMEM160	0.64407	-0.3411	0.173	0.16	1	HC_vs_MS.Trt_F
PMS2	0.64413	0.46911	0.685	0.62	1	HC_vs_MS.Trt_F
MFSD13A	0.64419	-0.3846	0.777	0.75	1	HC_vs_MS.Trt_F
HEATR4	0.64434	-0.5057	0.413	0.4	1	HC_vs_MS.Trt_F
MEGF6	0.64466	-0.3412	0.162	0.14	1	HC_vs_MS.Trt_F
NOD1	0.64533	-0.2533	0.13	0.12	1	HC_vs_MS.Trt_F
PRMT1	0.64576	0.26816	0.832	0.81	1	HC_vs_MS.Trt_F
SPG7	0.64607	-0.3906	0.986	0.96	1	HC_vs_MS.Trt_F
CTD-2370NE	0.64625	-0.2816	0.156	0.17	1	HC_vs_MS.Trt_F
SULT1A1	0.6463	0.5273	0.618	0.57	1	HC_vs_MS.Trt_F
ZNF749	0.64729	-0.5864	0.457	0.46	1	HC_vs_MS.Trt_F
SIRT1	0.64731	-0.7997	0.153	0.14	1	HC_vs_MS.Trt_F
MYO5C	0.64742	-0.8394	0.428	0.39	1	HC_vs_MS.Trt_F
SH3GLB2	0.64785	-0.3771	0.145	0.16	1	HC_vs_MS.Trt_F
NPTN	0.64786	-0.4729	0.338	0.3	1	HC_vs_MS.Trt_F
AKAP10	0.64806	-0.5759	0.538	0.47	1	HC_vs_MS.Trt_F
YPEL2	0.64906	-0.3576	0.214	0.19	1	HC_vs_MS.Trt_F
IDUA	0.6498	0.26237	0.107	0.1	1	HC_vs_MS.Trt_F
POLA2	0.65009	-0.6296	0.662	0.66	1	HC_vs_MS.Trt_F
ZNF763	0.65012	-1.2508	0.202	0.18	1	HC_vs_MS.Trt_F
MIOS	0.65106	0.60599	0.306	0.29	1	HC_vs_MS.Trt_F

KMT5A	0.65158	-0.4388	0.28	0.25	1	HC_vs_MS.Trt_F
OSBPL2	0.65206	0.31369	0.523	0.49	1	HC_vs_MS.Trt_F
PLGRKT	0.65207	-0.8001	0.101	0.11	1	HC_vs_MS.Trt_F
ZNF626	0.65219	0.40513	0.783	0.76	1	HC_vs_MS.Trt_F
AP1S2	0.65242	-0.4742	0.228	0.2	1	HC_vs_MS.Trt_F
MED21	0.65263	-0.4402	0.156	0.14	1	HC_vs_MS.Trt_F
ZNF24	0.65276	-0.4398	0.199	0.18	1	HC_vs_MS.Trt_F
YIPF1	0.65294	-0.3625	0.124	0.11	1	HC_vs_MS.Trt_F
PTDSS1	0.65352	-0.2747	0.419	0.38	1	HC_vs_MS.Trt_F
TRIM11	0.65385	-0.4747	0.604	0.55	1	HC_vs_MS.Trt_F
COX16	0.6539	-0.5571	0.552	0.56	1	HC_vs_MS.Trt_F
PGBD2	0.65405	-0.9261	0.373	0.33	1	HC_vs_MS.Trt_F
PYCR1	0.65411	0.81699	0.465	0.44	1	HC_vs_MS.Trt_F
GARS	0.65442	-0.8379	0.214	0.19	1	HC_vs_MS.Trt_F
SEC24D	0.65508	-0.7592	0.526	0.52	1	HC_vs_MS.Trt_F
N6AMT1	0.65509	-0.629	0.159	0.17	1	HC_vs_MS.Trt_F
LAMA5	0.65526	-1.0728	0.306	0.28	1	HC_vs_MS.Trt_F
PARN	0.65527	-0.6326	0.746	0.76	1	HC_vs_MS.Trt_F
CCZ1	0.65572	0.47092	0.72	0.67	1	HC_vs_MS.Trt_F
RAB2A	0.65687	-0.2526	0.251	0.23	1	HC_vs_MS.Trt_F
DCST1	0.65694	-0.6101	0.145	0.16	1	HC_vs_MS.Trt_F
RNF126	0.65712	-0.4399	0.22	0.23	1	HC_vs_MS.Trt_F
TGM2	0.65761	-0.3365	0.613	0.61	1	HC_vs_MS.Trt_F
HILPDA	0.65826	0.40868	0.592	0.57	1	HC_vs_MS.Trt_F
PIGK	0.65883	-0.6735	0.136	0.14	1	HC_vs_MS.Trt_F
PDIA5	0.65926	0.43961	0.434	0.41	1	HC_vs_MS.Trt_F
ZFAND1	0.66022	-0.7908	0.156	0.14	1	HC_vs_MS.Trt_F
USE1	0.6612	-0.2944	0.887	0.92	1	HC_vs_MS.Trt_F
GCLC	0.66182	0.79	0.601	0.57	1	HC_vs_MS.Trt_F
IFI44L	0.66245	-1.0445	0.228	0.21	1	HC_vs_MS.Trt_F
FAM179A	0.663	-0.3258	0.838	0.85	1	HC_vs_MS.Trt_F
DNASE2	0.66433	-0.4839	0.48	0.45	1	HC_vs_MS.Trt_F
ENTPD7	0.66482	1.43552	0.384	0.35	1	HC_vs_MS.Trt_F
FNIP2	0.66503	0.37638	0.35	0.32	1	HC_vs_MS.Trt_F
COPG1	0.66572	-0.5987	0.173	0.18	1	HC_vs_MS.Trt_F
CCT8	0.66584	-0.3741	0.283	0.26	1	HC_vs_MS.Trt_F
TMEM184B	0.66603	0.40771	0.101	0.09	1	HC_vs_MS.Trt_F
TOPBP1	0.66604	1.16695	0.133	0.12	1	HC_vs_MS.Trt_F
KATNB1	0.66637	-0.3063	0.098	0.11	1	HC_vs_MS.Trt_F
CYB561D2	0.66638	-0.3345	0.136	0.12	1	HC_vs_MS.Trt_F

GABPB2	0.66793	-0.2656	0.977	0.98	1	HC_vs_MS.Trt_F
FXR1	0.66928	-0.4019	0.225	0.21	1	HC_vs_MS.Trt_F
ITPKB	0.66945	-0.2616	0.63	0.6	1	HC_vs_MS.Trt_F
TCF20	0.66975	0.47045	0.156	0.14	1	HC_vs_MS.Trt_F
ARPC4-TTL1	0.66986	-1.0463	0.118	0.13	1	HC_vs_MS.Trt_F
PCNP	0.66996	-0.5413	0.269	0.24	1	HC_vs_MS.Trt_F
CUL4B	0.67001	-0.7151	0.145	0.13	1	HC_vs_MS.Trt_F
C1QBP	0.67012	-0.35	0.301	0.27	1	HC_vs_MS.Trt_F
B3GALNT2	0.6705	0.60253	0.668	0.63	1	HC_vs_MS.Trt_F
MFN1	0.67197	-0.6092	0.506	0.46	1	HC_vs_MS.Trt_F
NCOA6	0.67202	0.26809	0.728	0.71	1	HC_vs_MS.Trt_F
CA5B	0.67278	0.277	0.879	0.84	1	HC_vs_MS.Trt_F
COA7	0.6729	0.70183	0.893	0.91	1	HC_vs_MS.Trt_F
KANK1	0.67305	-0.6136	0.78	0.73	1	HC_vs_MS.Trt_F
PELP1	0.67318	1.03204	0.277	0.26	1	HC_vs_MS.Trt_F
TMEM9B	0.67327	-0.586	0.228	0.21	1	HC_vs_MS.Trt_F
FAM184B	0.67344	0.35085	0.142	0.16	1	HC_vs_MS.Trt_F
PPP2R5A	0.67354	-1.0627	0.237	0.21	1	HC_vs_MS.Trt_F
C3orf62	0.67391	0.48917	0.801	0.77	1	HC_vs_MS.Trt_F
NFE2L1	0.67398	0.67645	0.101	0.11	1	HC_vs_MS.Trt_F
EIF2B2	0.67419	-0.466	0.616	0.54	1	HC_vs_MS.Trt_F
TCTN3	0.67422	-0.2771	0.133	0.12	1	HC_vs_MS.Trt_F
C9orf72	0.67484	-0.735	0.162	0.17	1	HC_vs_MS.Trt_F
ATP5I	0.67556	-0.5346	0.283	0.26	1	HC_vs_MS.Trt_F
CD180	0.67561	-0.74	0.315	0.3	1	HC_vs_MS.Trt_F
RDH11	0.67567	-0.5188	0.558	0.5	1	HC_vs_MS.Trt_F
C18orf8	0.67592	0.32193	0.353	0.34	1	HC_vs_MS.Trt_F
PER2	0.67624	-0.8882	0.54	0.51	1	HC_vs_MS.Trt_F
PGGT1B	0.67646	-0.5487	0.202	0.18	1	HC_vs_MS.Trt_F
EDEM3	0.67649	-0.6213	0.309	0.28	1	HC_vs_MS.Trt_F
MRI1	0.677	-0.2826	0.749	0.72	1	HC_vs_MS.Trt_F
ADIPOR1	0.67742	-0.4316	0.289	0.27	1	HC_vs_MS.Trt_F
STAU2	0.67803	-0.2519	0.656	0.67	1	HC_vs_MS.Trt_F
PPIE	0.6781	-0.4069	0.789	0.78	1	HC_vs_MS.Trt_F
TSR2	0.6782	-0.6458	0.46	0.45	1	HC_vs_MS.Trt_F
SLC35E4	0.67823	0.94026	0.361	0.35	1	HC_vs_MS.Trt_F
STRIP1	0.67868	-0.5033	0.179	0.18	1	HC_vs_MS.Trt_F
AP3D1	0.67922	0.32874	0.168	0.16	1	HC_vs_MS.Trt_F
FAM213B	0.67957	-0.3706	0.116	0.12	1	HC_vs_MS.Trt_F
MED22	0.68061	0.44091	0.613	0.63	1	HC_vs_MS.Trt_F

DYNC1LI1	0.68094	-0.5304	0.46	0.48	1	HC_vs_MS.Trt_F
CAMK4	0.68113	0.32564	0.578	0.59	1	HC_vs_MS.Trt_F
PANK2	0.68115	-0.5656	0.575	0.52	1	HC_vs_MS.Trt_F
NCBP2	0.68151	-0.3361	0.286	0.26	1	HC_vs_MS.Trt_F
KLHDC1	0.6816	0.63608	0.332	0.31	1	HC_vs_MS.Trt_F
SNX29	0.68161	0.60027	0.806	0.78	1	HC_vs_MS.Trt_F
TRPM3	0.68172	0.25801	0.503	0.47	1	HC_vs_MS.Trt_F
PCDHB16	0.68194	0.6498	0.358	0.35	1	HC_vs_MS.Trt_F
HACE1	0.68198	-0.299	0.688	0.64	1	HC_vs_MS.Trt_F
ACBD5	0.68214	0.36303	0.514	0.5	1	HC_vs_MS.Trt_F
ADSSL1	0.68297	-0.2737	0.347	0.32	1	HC_vs_MS.Trt_F
PLEKHA7	0.68303	-0.5452	0.266	0.25	1	HC_vs_MS.Trt_F
FUZ	0.68329	0.6857	0.286	0.28	1	HC_vs_MS.Trt_F
SCP2	0.68346	-0.4825	0.306	0.28	1	HC_vs_MS.Trt_F
ACSM3	0.68382	0.41568	0.679	0.61	1	HC_vs_MS.Trt_F
STX18	0.68422	-0.6062	0.159	0.14	1	HC_vs_MS.Trt_F
TNFSF14	0.68474	0.27643	0.694	0.69	1	HC_vs_MS.Trt_F
GOLGA1	0.68481	-1.0314	0.127	0.13	1	HC_vs_MS.Trt_F
GMCL1	0.68518	-1.0767	0.384	0.36	1	HC_vs_MS.Trt_F
ENOX2	0.68555	-0.4038	0.145	0.13	1	HC_vs_MS.Trt_F
TCEAL3	0.6858	-0.3846	0.15	0.13	1	HC_vs_MS.Trt_F
RPP38	0.68647	-0.2828	0.465	0.43	1	HC_vs_MS.Trt_F
NF2	0.68688	-0.7368	0.821	0.77	1	HC_vs_MS.Trt_F
ZNF527	0.68724	0.35659	0.934	0.9	1	HC_vs_MS.Trt_F
NRIP2	0.68734	-0.9837	0.335	0.33	1	HC_vs_MS.Trt_F
RELL2	0.68767	-0.2895	0.104	0.11	1	HC_vs_MS.Trt_F
TMEM14A	0.68767	-0.4384	0.101	0.11	1	HC_vs_MS.Trt_F
ZER1	0.68787	-0.3784	0.145	0.15	1	HC_vs_MS.Trt_F
WDR73	0.68787	-0.3698	0.974	0.97	1	HC_vs_MS.Trt_F
XKR8	0.68788	-0.6299	0.185	0.19	1	HC_vs_MS.Trt_F
HDHD2	0.6879	-0.4105	0.147	0.16	1	HC_vs_MS.Trt_F
EXOSC9	0.68795	-0.6424	0.254	0.23	1	HC_vs_MS.Trt_F
PQLC2	0.68838	-0.6063	0.454	0.4	1	HC_vs_MS.Trt_F
TIMM10	0.68859	0.26251	0.118	0.11	1	HC_vs_MS.Trt_F
PSMD5	0.68876	-0.2872	0.434	0.4	1	HC_vs_MS.Trt_F
GRHPR	0.68899	-0.6782	0.549	0.51	1	HC_vs_MS.Trt_F
SIGLEC6	0.68903	0.66873	0.535	0.5	1	HC_vs_MS.Trt_F
SCARB2	0.68949	-0.3643	0.341	0.32	1	HC_vs_MS.Trt_F
F2RL1	0.68974	-1.5436	0.214	0.22	1	HC_vs_MS.Trt_F
FAM135A	0.68998	-0.6227	0.471	0.47	1	HC_vs_MS.Trt_F

IRS1	0.69115	0.33889	0.107	0.12	1	HC_vs_MS.Trt_F
CYLD	0.69144	-0.2826	0.714	0.73	1	HC_vs_MS.Trt_F
CD38	0.69158	0.62553	0.387	0.36	1	HC_vs_MS.Trt_F
LINC00959	0.69161	-0.7538	0.147	0.13	1	HC_vs_MS.Trt_F
NF1	0.69176	0.38512	0.76	0.72	1	HC_vs_MS.Trt_F
PON2	0.69181	-0.7389	0.442	0.42	1	HC_vs_MS.Trt_F
KLHL12	0.6919	-0.2926	0.121	0.11	1	HC_vs_MS.Trt_F
RCAN1	0.6919	0.43353	0.39	0.38	1	HC_vs_MS.Trt_F
STRAP	0.69249	-0.3304	0.298	0.31	1	HC_vs_MS.Trt_F
DYRK2	0.69312	-0.4632	0.173	0.16	1	HC_vs_MS.Trt_F
CROCC	0.6934	-0.3528	0.552	0.55	1	HC_vs_MS.Trt_F
UBE2D2	0.69378	-0.5045	0.41	0.39	1	HC_vs_MS.Trt_F
PHTF1	0.69436	-0.5669	0.569	0.54	1	HC_vs_MS.Trt_F
TMCO6	0.69438	-0.474	0.526	0.5	1	HC_vs_MS.Trt_F
APC	0.69455	0.46411	0.538	0.52	1	HC_vs_MS.Trt_F
ZNF682	0.69461	0.86088	0.405	0.4	1	HC_vs_MS.Trt_F
ZNF441	0.69462	-1.3644	0.197	0.21	1	HC_vs_MS.Trt_F
LARS2	0.69469	0.38719	0.546	0.54	1	HC_vs_MS.Trt_F
USP6	0.69493	0.43814	0.139	0.15	1	HC_vs_MS.Trt_F
TRIQK	0.695	-0.4123	0.558	0.55	1	HC_vs_MS.Trt_F
SELM	0.69514	-0.3256	0.277	0.28	1	HC_vs_MS.Trt_F
RUNDC1	0.69525	-0.3337	0.775	0.75	1	HC_vs_MS.Trt_F
BMPR1B	0.69543	0.39911	0.176	0.17	1	HC_vs_MS.Trt_F
PTGER2	0.6956	-0.6358	0.217	0.22	1	HC_vs_MS.Trt_F
PTRH1	0.69575	-0.3882	0.777	0.71	1	HC_vs_MS.Trt_F
GALNT10	0.69582	0.60547	0.578	0.55	1	HC_vs_MS.Trt_F
VLDLR	0.69582	-1.4845	0.488	0.45	1	HC_vs_MS.Trt_F
NCAPD2	0.69612	-0.7319	0.454	0.45	1	HC_vs_MS.Trt_F
TMEM5	0.69618	-0.3335	0.523	0.5	1	HC_vs_MS.Trt_F
HINT3	0.69632	-0.3497	0.303	0.31	1	HC_vs_MS.Trt_F
NUDC	0.69664	-0.2538	0.668	0.63	1	HC_vs_MS.Trt_F
RP11-226E2	0.69681	0.35845	0.639	0.6	1	HC_vs_MS.Trt_F
ZNF672	0.69696	-0.6571	0.246	0.23	1	HC_vs_MS.Trt_F
ZNF75A	0.697	-0.6833	0.783	0.77	1	HC_vs_MS.Trt_F
GIMAP6	0.69716	-0.473	0.202	0.21	1	HC_vs_MS.Trt_F
TESPA1	0.69734	-0.2955	0.451	0.41	1	HC_vs_MS.Trt_F
FSD1	0.69745	0.25891	0.457	0.43	1	HC_vs_MS.Trt_F
KAT6B	0.69806	0.98764	0.136	0.12	1	HC_vs_MS.Trt_F
RPL17-C18o	0.69844	0.64278	0.09	0.1	1	HC_vs_MS.Trt_F
CBX5	0.69866	-0.305	0.934	0.93	1	HC_vs_MS.Trt_F

ZNF175	0.70057	0.48566	0.211	0.22	1	HC_vs_MS.Trt_F
GBP3	0.70147	-0.633	0.225	0.2	1	HC_vs_MS.Trt_F
SLC35A5	0.7022	-0.5573	0.468	0.49	1	HC_vs_MS.Trt_F
GOPC	0.70236	-0.6908	0.145	0.13	1	HC_vs_MS.Trt_F
CTSB	0.70247	-0.5815	0.974	0.92	1	HC_vs_MS.Trt_F
ZKSCAN5	0.70344	-0.5382	0.691	0.63	1	HC_vs_MS.Trt_F
CYB5D1	0.70349	0.47583	0.205	0.19	1	HC_vs_MS.Trt_F
EPHX1	0.70379	0.58396	0.107	0.1	1	HC_vs_MS.Trt_F
TMEM11	0.70386	-0.5781	0.124	0.13	1	HC_vs_MS.Trt_F
RPS21	0.70407	-0.2931	0.442	0.44	1	HC_vs_MS.Trt_F
MTRR	0.70449	-0.4131	0.208	0.19	1	HC_vs_MS.Trt_F
ANKRD26	0.70479	-0.3643	0.159	0.14	1	HC_vs_MS.Trt_F
AZIN2	0.70521	0.83447	0.379	0.36	1	HC_vs_MS.Trt_F
HENMT1	0.70557	-0.3486	0.327	0.32	1	HC_vs_MS.Trt_F
POMK	0.7056	-0.3514	0.618	0.57	1	HC_vs_MS.Trt_F
UFSP2	0.70721	-0.3676	0.116	0.12	1	HC_vs_MS.Trt_F
MBD4	0.70729	-0.8766	0.263	0.26	1	HC_vs_MS.Trt_F
IL2ORB	0.70747	-0.5927	0.277	0.3	1	HC_vs_MS.Trt_F
POT1	0.70776	-1.1134	0.11	0.12	1	HC_vs_MS.Trt_F
FBXO3	0.7078	-0.4244	0.289	0.27	1	HC_vs_MS.Trt_F
EBNA1BP2	0.70808	-0.5334	0.552	0.54	1	HC_vs_MS.Trt_F
JADE2	0.70817	-0.4348	0.202	0.19	1	HC_vs_MS.Trt_F
PITPNM2	0.7082	0.54101	0.445	0.41	1	HC_vs_MS.Trt_F
BRCC3	0.70881	-0.4559	0.272	0.25	1	HC_vs_MS.Trt_F
BUD13	0.70919	-0.6995	0.104	0.11	1	HC_vs_MS.Trt_F
DSTYK	0.70938	-0.5421	0.838	0.8	1	HC_vs_MS.Trt_F
FBXW7	0.7096	-0.5113	0.182	0.17	1	HC_vs_MS.Trt_F
WFDC8	0.70971	-0.2707	0.329	0.3	1	HC_vs_MS.Trt_F
FUBP1	0.70973	-0.674	0.419	0.41	1	HC_vs_MS.Trt_F
INO80	0.71061	-0.4336	0.147	0.13	1	HC_vs_MS.Trt_F
PLPP1	0.71072	-0.3875	0.11	0.1	1	HC_vs_MS.Trt_F
PSMD12	0.71075	-0.6645	0.769	0.72	1	HC_vs_MS.Trt_F
TM7SF3	0.71133	-0.399	0.951	0.96	1	HC_vs_MS.Trt_F
TRAPPC9	0.71145	-1.0618	0.139	0.14	1	HC_vs_MS.Trt_F
ZNF17	0.7116	-1.123	0.312	0.32	1	HC_vs_MS.Trt_F
BRDT	0.71181	-0.2505	0.598	0.55	1	HC_vs_MS.Trt_F
LRRC40	0.71182	-0.4424	0.156	0.14	1	HC_vs_MS.Trt_F
C14orf1	0.71207	-0.3641	0.306	0.29	1	HC_vs_MS.Trt_F
TOB2	0.71217	-0.2575	0.159	0.17	1	HC_vs_MS.Trt_F
SLC31A1	0.71231	0.3709	0.78	0.78	1	HC_vs_MS.Trt_F

HIP1	0.71243	-0.3889	0.665	0.66	1	HC_vs_MS.Trt_F
TUBD1	0.71261	0.28659	0.775	0.76	1	HC_vs_MS.Trt_F
DSE	0.71304	0.51608	0.104	0.12	1	HC_vs_MS.Trt_F
GTF2A2	0.71344	-0.4861	0.633	0.6	1	HC_vs_MS.Trt_F
ZNF418	0.71383	0.39064	0.194	0.21	1	HC_vs_MS.Trt_F
ZNF350	0.714	-1.1541	0.595	0.57	1	HC_vs_MS.Trt_F
EIF2D	0.71421	-0.3412	0.723	0.64	1	HC_vs_MS.Trt_F
SDK2	0.71422	-0.3113	0.555	0.54	1	HC_vs_MS.Trt_F
TMPO	0.71442	-0.4742	0.572	0.54	1	HC_vs_MS.Trt_F
NBPF11	0.71454	-0.3038	0.286	0.29	1	HC_vs_MS.Trt_F
MRPL40	0.71516	-0.5291	0.471	0.45	1	HC_vs_MS.Trt_F
GORASP1	0.71528	0.442	0.092	0.1	1	HC_vs_MS.Trt_F
ZNF211	0.7158	-0.6462	0.202	0.21	1	HC_vs_MS.Trt_F
ZBTB44	0.71612	-0.4056	0.303	0.28	1	HC_vs_MS.Trt_F
BTBD19	0.71614	0.49389	0.795	0.77	1	HC_vs_MS.Trt_F
CRELD2	0.71616	-0.8109	0.645	0.6	1	HC_vs_MS.Trt_F
MINPP1	0.71633	1.31273	0.104	0.1	1	HC_vs_MS.Trt_F
INCA1	0.71677	-0.7727	0.211	0.22	1	HC_vs_MS.Trt_F
GAL3ST4	0.71681	-1.19	0.451	0.45	1	HC_vs_MS.Trt_F
BCL2	0.71755	-0.4203	0.277	0.26	1	HC_vs_MS.Trt_F
GTPBP4	0.71766	0.81706	0.514	0.49	1	HC_vs_MS.Trt_F
HLA-DMB	0.71795	1.48397	0.107	0.1	1	HC_vs_MS.Trt_F
PSME3	0.7181	-0.2833	0.694	0.72	1	HC_vs_MS.Trt_F
TRIP13	0.71835	0.30143	0.546	0.53	1	HC_vs_MS.Trt_F
RASGRP2	0.71864	0.31105	0.301	0.31	1	HC_vs_MS.Trt_F
ATL2	0.719	0.25499	0.879	0.84	1	HC_vs_MS.Trt_F
LTV1	0.71945	-0.373	0.139	0.14	1	HC_vs_MS.Trt_F
LUZP1	0.71992	0.5339	0.561	0.55	1	HC_vs_MS.Trt_F
PIGO	0.72088	0.27144	0.384	0.38	1	HC_vs_MS.Trt_F
SMARCB1	0.72147	0.45059	0.538	0.55	1	HC_vs_MS.Trt_F
ADAM33	0.72156	0.74871	0.107	0.12	1	HC_vs_MS.Trt_F
TAF3	0.72171	-0.3667	0.179	0.17	1	HC_vs_MS.Trt_F
ACTR3	0.72179	-0.3905	0.775	0.74	1	HC_vs_MS.Trt_F
RARS2	0.72184	0.27766	0.598	0.59	1	HC_vs_MS.Trt_F
OST4	0.72187	-0.4848	0.416	0.36	1	HC_vs_MS.Trt_F
COMMD9	0.72202	-0.9585	0.503	0.49	1	HC_vs_MS.Trt_F
BTN3A3	0.72209	0.30435	0.243	0.23	1	HC_vs_MS.Trt_F
PHLPP2	0.7222	0.27306	0.818	0.84	1	HC_vs_MS.Trt_F
FKTN	0.72239	0.60758	0.199	0.21	1	HC_vs_MS.Trt_F
ZNF487	0.72261	0.55218	0.514	0.48	1	HC_vs_MS.Trt_F



TMEM14C	0.72272	-0.3597	0.142	0.13	1	HC_vs_MS.Trt_F
MITD1	0.72285	0.33613	0.962	0.96	1	HC_vs_MS.Trt_F
MKRN1	0.72307	-0.5609	0.853	0.81	1	HC_vs_MS.Trt_F
KRCC1	0.72317	-0.4647	0.124	0.13	1	HC_vs_MS.Trt_F
SCYL1	0.72338	-0.4524	0.269	0.27	1	HC_vs_MS.Trt_F
WDR97	0.7234	-0.3321	0.546	0.5	1	HC_vs_MS.Trt_F
AC240274.1	0.72367	0.59182	0.283	0.28	1	HC_vs_MS.Trt_F
PHLDB3	0.72398	0.43595	0.665	0.64	1	HC_vs_MS.Trt_F
PLA2G12A	0.72418	0.45257	0.679	0.64	1	HC_vs_MS.Trt_F
GOLGA7	0.72438	-0.2856	0.199	0.18	1	HC_vs_MS.Trt_F
CAMKK1	0.7245	-0.3433	0.22	0.23	1	HC_vs_MS.Trt_F
WBP1L	0.72473	-0.2741	0.124	0.11	1	HC_vs_MS.Trt_F
ENOPH1	0.72476	-0.3973	0.173	0.16	1	HC_vs_MS.Trt_F
RNF31	0.72534	0.36793	0.312	0.32	1	HC_vs_MS.Trt_F
RNF34	0.72538	-0.5353	0.272	0.27	1	HC_vs_MS.Trt_F
FAM91A1	0.72605	0.29757	0.344	0.34	1	HC_vs_MS.Trt_F
PSMG1	0.7265	-0.2973	0.188	0.17	1	HC_vs_MS.Trt_F
TAF1C	0.72658	0.40035	0.118	0.11	1	HC_vs_MS.Trt_F
PDCD4	0.72664	-0.686	0.656	0.63	1	HC_vs_MS.Trt_F
AVIL	0.72705	0.7057	0.408	0.39	1	HC_vs_MS.Trt_F
SERPINB6	0.72722	-0.5736	0.535	0.49	1	HC_vs_MS.Trt_F
TMEM104	0.72725	0.52693	0.168	0.16	1	HC_vs_MS.Trt_F
RP11-235E1	0.7273	0.63332	0.28	0.27	1	HC_vs_MS.Trt_F
TOMM70	0.72771	-0.8631	0.188	0.18	1	HC_vs_MS.Trt_F
FAM234A	0.72782	0.30057	0.272	0.26	1	HC_vs_MS.Trt_F
TCOF1	0.72816	-0.7429	0.809	0.77	1	HC_vs_MS.Trt_F
UPF1	0.72848	0.41263	0.13	0.14	1	HC_vs_MS.Trt_F
WDFY1	0.72876	-0.4572	0.39	0.35	1	HC_vs_MS.Trt_F
CHP2	0.7288	-0.2932	0.471	0.41	1	HC_vs_MS.Trt_F
FAM133B	0.7289	-0.4525	0.798	0.75	1	HC_vs_MS.Trt_F
SMARCC1	0.72922	0.27704	0.462	0.44	1	HC_vs_MS.Trt_F
COL4A3BP	0.72939	-0.2513	0.168	0.16	1	HC_vs_MS.Trt_F
THUMPD3	0.72982	-0.2697	0.434	0.41	1	HC_vs_MS.Trt_F
POLR1E	0.72989	-0.566	0.142	0.13	1	HC_vs_MS.Trt_F
MIEN1	0.72993	-0.46	0.165	0.17	1	HC_vs_MS.Trt_F
MGAT2	0.72999	0.25844	0.136	0.13	1	HC_vs_MS.Trt_F
ATF6B	0.73051	-0.3486	0.942	0.92	1	HC_vs_MS.Trt_F
VPS45	0.73088	0.25631	0.289	0.28	1	HC_vs_MS.Trt_F
VWA5B1	0.7311	-0.2881	0.627	0.59	1	HC_vs_MS.Trt_F
ZNF565	0.73135	-0.2822	0.113	0.1	1	HC_vs_MS.Trt_F

PHACTR1	0.73148	0.885	0.477	0.47	1	HC_vs_MS.Trt_F
IDH3A	0.73212	-0.4484	0.754	0.73	1	HC_vs_MS.Trt_F
SSU72	0.73334	-0.272	0.928	0.91	1	HC_vs_MS.Trt_F
ACAD11	0.73358	-0.7651	0.182	0.17	1	HC_vs_MS.Trt_F
7-Mar	0.7336	-0.5855	0.263	0.27	1	HC_vs_MS.Trt_F
TBC1D31	0.73361	-0.2724	0.685	0.64	1	HC_vs_MS.Trt_F
SMIM11A	0.73473	0.54916	0.295	0.31	1	HC_vs_MS.Trt_F
CAND1	0.73527	-0.4866	0.867	0.88	1	HC_vs_MS.Trt_F
NIPA1	0.73556	0.71317	0.191	0.2	1	HC_vs_MS.Trt_F
AGRN	0.73617	0.47907	0.416	0.41	1	HC_vs_MS.Trt_F
NAGPA	0.73629	0.46105	0.665	0.67	1	HC_vs_MS.Trt_F
ZNF10	0.73654	-1.0029	0.136	0.13	1	HC_vs_MS.Trt_F
SUMO1	0.73656	-0.3138	0.523	0.5	1	HC_vs_MS.Trt_F
GNE	0.73686	-0.5916	0.225	0.23	1	HC_vs_MS.Trt_F
COMMD2	0.73689	-0.7697	0.376	0.35	1	HC_vs_MS.Trt_F
RP11-644F5	0.73711	-0.373	0.731	0.72	1	HC_vs_MS.Trt_F
SOX4	0.73724	-0.3822	0.104	0.1	1	HC_vs_MS.Trt_F
C19orf54	0.73744	-0.4017	0.486	0.49	1	HC_vs_MS.Trt_F
ISCU	0.73756	-0.4232	0.321	0.29	1	HC_vs_MS.Trt_F
PSMB4	0.73773	-0.5773	0.387	0.37	1	HC_vs_MS.Trt_F
POLR3H	0.73787	1.15586	0.272	0.3	1	HC_vs_MS.Trt_F
DECR2	0.73795	-0.2982	0.847	0.78	1	HC_vs_MS.Trt_F
FADS1	0.73816	0.40367	0.647	0.68	1	HC_vs_MS.Trt_F
PODXL	0.73905	0.39189	0.211	0.2	1	HC_vs_MS.Trt_F
YY1AP1	0.73983	-0.2642	0.543	0.55	1	HC_vs_MS.Trt_F
ABHD5	0.73993	0.57041	0.136	0.13	1	HC_vs_MS.Trt_F
SVIL	0.74011	0.38941	0.185	0.19	1	HC_vs_MS.Trt_F
DUSP23	0.74014	-0.6678	0.136	0.12	1	HC_vs_MS.Trt_F
ATP5L	0.74014	-0.3496	0.462	0.42	1	HC_vs_MS.Trt_F
CD8B	0.74025	1.29029	0.121	0.12	1	HC_vs_MS.Trt_F
XYLT2	0.7408	-0.5443	0.668	0.65	1	HC_vs_MS.Trt_F
NOA1	0.74093	0.31067	0.121	0.11	1	HC_vs_MS.Trt_F
CARS2	0.74129	-0.265	0.78	0.75	1	HC_vs_MS.Trt_F
C8orf33	0.74134	-1.2721	0.249	0.25	1	HC_vs_MS.Trt_F
RDH5	0.74136	-0.3054	0.471	0.45	1	HC_vs_MS.Trt_F
CRBN	0.74141	-0.5164	0.486	0.44	1	HC_vs_MS.Trt_F
COQ6	0.74142	-0.4684	0.841	0.76	1	HC_vs_MS.Trt_F
SNRPG	0.74175	-0.3263	0.329	0.31	1	HC_vs_MS.Trt_F
MGLL	0.74212	0.28991	0.431	0.41	1	HC_vs_MS.Trt_F
LXN	0.74297	-0.6012	0.202	0.19	1	HC_vs_MS.Trt_F

VCP	0.74313	-0.255	0.306	0.3	1	HC_vs_MS.Trt_F
HLA-DRB4	0.74339	1.65898	0.124	0.12	1	HC_vs_MS.Trt_F
SFT2D1	0.74345	-0.6815	0.419	0.41	1	HC_vs_MS.Trt_F
TRIM16	0.7437	-1.0207	0.497	0.47	1	HC_vs_MS.Trt_F
ZNF148	0.74376	-0.5025	0.298	0.3	1	HC_vs_MS.Trt_F
UBE3C	0.74382	-0.5655	0.613	0.58	1	HC_vs_MS.Trt_F
LSS	0.74394	-0.4136	0.13	0.12	1	HC_vs_MS.Trt_F
ZNF146	0.74404	-0.4481	0.211	0.19	1	HC_vs_MS.Trt_F
RP11-500M8	0.74422	-0.8057	0.124	0.11	1	HC_vs_MS.Trt_F
CCDC186	0.74469	-0.3474	0.587	0.57	1	HC_vs_MS.Trt_F
OSBPL11	0.74487	-0.336	0.118	0.11	1	HC_vs_MS.Trt_F
C5	0.74554	-0.7066	0.465	0.46	1	HC_vs_MS.Trt_F
UQCRCQ	0.7457	-0.5642	0.598	0.57	1	HC_vs_MS.Trt_F
MT1F	0.7462	-0.4497	0.101	0.11	1	HC_vs_MS.Trt_F
COA3	0.74683	-0.7868	0.145	0.15	1	HC_vs_MS.Trt_F
C15orf52	0.74689	0.33683	0.425	0.39	1	HC_vs_MS.Trt_F
OMA1	0.747	-0.4732	0.627	0.59	1	HC_vs_MS.Trt_F
DBT	0.74714	-0.5017	0.867	0.82	1	HC_vs_MS.Trt_F
C2orf74	0.74762	-0.3459	0.477	0.45	1	HC_vs_MS.Trt_F
DNAJC3	0.74789	-0.8359	0.592	0.53	1	HC_vs_MS.Trt_F
TMEM128	0.74824	-0.7886	0.171	0.16	1	HC_vs_MS.Trt_F
CAMTA1	0.74832	-0.654	0.159	0.17	1	HC_vs_MS.Trt_F
FSCN1	0.74861	0.662	0.101	0.09	1	HC_vs_MS.Trt_F
SRPX2	0.749	0.27206	0.251	0.26	1	HC_vs_MS.Trt_F
IL18R1	0.74934	0.59986	0.142	0.13	1	HC_vs_MS.Trt_F
FBXW8	0.7495	0.38846	0.321	0.33	1	HC_vs_MS.Trt_F
DIDO1	0.74976	-0.4684	0.199	0.2	1	HC_vs_MS.Trt_F
TNIP3	0.75099	0.42624	0.512	0.48	1	HC_vs_MS.Trt_F
ZNF549	0.75177	-0.4007	0.688	0.67	1	HC_vs_MS.Trt_F
ALDH1B1	0.75186	-0.5971	0.662	0.63	1	HC_vs_MS.Trt_F
MALSU1	0.75291	-0.6812	0.121	0.13	1	HC_vs_MS.Trt_F
PPP2R2D	0.75353	-0.4818	0.65	0.63	1	HC_vs_MS.Trt_F
SIL1	0.75383	-0.266	0.116	0.12	1	HC_vs_MS.Trt_F
IRAK2	0.75387	0.41144	0.341	0.35	1	HC_vs_MS.Trt_F
UCHL3	0.75422	-0.7069	0.159	0.14	1	HC_vs_MS.Trt_F
CAPG	0.75454	0.41143	0.153	0.14	1	HC_vs_MS.Trt_F
CASP3	0.75491	-0.7454	0.173	0.16	1	HC_vs_MS.Trt_F
TUBB3	0.75494	0.65781	0.292	0.3	1	HC_vs_MS.Trt_F
CIPC	0.75513	-0.3751	0.488	0.45	1	HC_vs_MS.Trt_F
TMED7	0.75572	-0.4831	0.098	0.1	1	HC_vs_MS.Trt_F

FAM110C	0.75622	-0.3534	0.275	0.26	1	HC_vs_MS.Trt_F
VAMP3	0.75754	-0.2535	0.353	0.35	1	HC_vs_MS.Trt_F
KIF21B	0.75757	0.37248	0.434	0.43	1	HC_vs_MS.Trt_F
GALNS	0.75777	-0.3987	0.566	0.53	1	HC_vs_MS.Trt_F
XPOT	0.75836	-0.288	0.477	0.46	1	HC_vs_MS.Trt_F
ZNF274	0.75854	-0.3225	0.645	0.64	1	HC_vs_MS.Trt_F
PPP3CA	0.75893	-0.609	0.566	0.56	1	HC_vs_MS.Trt_F
FBXW11	0.75911	-0.6704	0.303	0.28	1	HC_vs_MS.Trt_F
RANGRF	0.7592	-0.3775	0.116	0.1	1	HC_vs_MS.Trt_F
KLHL42	0.75944	0.51903	0.124	0.12	1	HC_vs_MS.Trt_F
ASXL1	0.75946	-0.681	0.214	0.19	1	HC_vs_MS.Trt_F
UBXN6	0.75951	-0.5589	0.095	0.1	1	HC_vs_MS.Trt_F
TPSB2	0.75971	3.43554	0.286	0.28	1	HC_vs_MS.Trt_F
RAD51B	0.7601	-0.496	0.327	0.31	1	HC_vs_MS.Trt_F
MAGOHB	0.76027	0.26353	0.098	0.1	1	HC_vs_MS.Trt_F
SMPD4	0.76034	-0.3315	0.318	0.3	1	HC_vs_MS.Trt_F
BACE2	0.76052	0.66125	0.306	0.28	1	HC_vs_MS.Trt_F
SRGAP1	0.76077	0.31849	0.954	0.96	1	HC_vs_MS.Trt_F
NFU1	0.761	0.30535	0.162	0.17	1	HC_vs_MS.Trt_F
PFDN5	0.76134	-0.32	0.908	0.87	1	HC_vs_MS.Trt_F
RPP21	0.76134	-0.4291	0.197	0.18	1	HC_vs_MS.Trt_F
DNPEP	0.76151	0.61396	0.48	0.49	1	HC_vs_MS.Trt_F
BLZF1	0.76164	0.47849	0.509	0.5	1	HC_vs_MS.Trt_F
CNIH4	0.76189	-0.2984	0.636	0.62	1	HC_vs_MS.Trt_F
CCNY	0.76214	-0.5215	0.494	0.47	1	HC_vs_MS.Trt_F
C16orf87	0.76246	-0.351	0.812	0.79	1	HC_vs_MS.Trt_F
SLC16A5	0.76306	-0.2727	0.191	0.18	1	HC_vs_MS.Trt_F
REC8	0.76323	0.54309	0.118	0.11	1	HC_vs_MS.Trt_F
GRIN2B	0.76328	0.5456	0.237	0.22	1	HC_vs_MS.Trt_F
LYAR	0.76341	-0.6629	0.121	0.11	1	HC_vs_MS.Trt_F
HYLS1	0.76345	-0.6317	0.454	0.42	1	HC_vs_MS.Trt_F
WBP11	0.76358	-0.3339	0.327	0.3	1	HC_vs_MS.Trt_F
RPUSD1	0.76409	-0.4947	0.11	0.12	1	HC_vs_MS.Trt_F
TAF4	0.76447	0.47933	0.133	0.13	1	HC_vs_MS.Trt_F
ZNF781	0.76475	-0.4454	0.301	0.28	1	HC_vs_MS.Trt_F
YRDC	0.76476	0.42191	0.113	0.11	1	HC_vs_MS.Trt_F
RBMX	0.76478	-0.2512	0.815	0.77	1	HC_vs_MS.Trt_F
MAD2L2	0.76485	-0.3657	0.15	0.14	1	HC_vs_MS.Trt_F
CDK2	0.76487	0.65252	0.113	0.1	1	HC_vs_MS.Trt_F
GAA	0.76512	0.63392	0.101	0.09	1	HC_vs_MS.Trt_F

FBN1	0.76524	0.2656	0.514	0.48	1	HC_vs_MS.Trt_F
ZNF391	0.7654	0.56394	0.185	0.19	1	HC_vs_MS.Trt_F
15-Sep	0.76554	-0.359	0.237	0.24	1	HC_vs_MS.Trt_F
DUSP3	0.76558	0.42315	0.772	0.77	1	HC_vs_MS.Trt_F
CREB3	0.76571	-0.3816	0.104	0.11	1	HC_vs_MS.Trt_F
RNF26	0.76623	-1.119	0.127	0.13	1	HC_vs_MS.Trt_F
SLC20A1	0.76666	-0.2978	0.26	0.24	1	HC_vs_MS.Trt_F
CEP70	0.76724	-0.7208	0.156	0.16	1	HC_vs_MS.Trt_F
MXD1	0.76724	-0.3947	0.171	0.17	1	HC_vs_MS.Trt_F
HECTD3	0.76809	-0.266	0.145	0.15	1	HC_vs_MS.Trt_F
EXOSC6	0.76826	-0.4182	0.928	0.9	1	HC_vs_MS.Trt_F
TEKT3	0.76854	0.28008	0.179	0.17	1	HC_vs_MS.Trt_F
TSPAN5	0.76861	0.25066	0.645	0.62	1	HC_vs_MS.Trt_F
MORF4L1	0.76891	-0.3907	0.812	0.81	1	HC_vs_MS.Trt_F
ATP6VOC	0.76923	0.6044	0.283	0.27	1	HC_vs_MS.Trt_F
GLIPR1	0.7695	-0.3179	0.309	0.31	1	HC_vs_MS.Trt_F
WWP1	0.76953	-0.2685	0.451	0.42	1	HC_vs_MS.Trt_F
BCL11B	0.76986	-0.3629	0.465	0.45	1	HC_vs_MS.Trt_F
CCP110	0.77099	0.44439	0.52	0.53	1	HC_vs_MS.Trt_F
RIPK2	0.77223	0.25363	0.22	0.23	1	HC_vs_MS.Trt_F
RGS5	0.77223	0.26151	0.11	0.1	1	HC_vs_MS.Trt_F
CCDC90B	0.77229	-0.4331	0.951	0.91	1	HC_vs_MS.Trt_F
ZNF284	0.77231	-0.2779	0.613	0.58	1	HC_vs_MS.Trt_F
PPM1A	0.77248	-0.3117	0.179	0.18	1	HC_vs_MS.Trt_F
LSM11	0.7727	0.35947	0.607	0.56	1	HC_vs_MS.Trt_F
PRDX6	0.77297	-0.7922	0.173	0.17	1	HC_vs_MS.Trt_F
KIF2A	0.77301	-0.5908	0.251	0.25	1	HC_vs_MS.Trt_F
METTL2A	0.77309	-0.2849	0.74	0.68	1	HC_vs_MS.Trt_F
MMP24	0.77344	-0.2974	0.095	0.1	1	HC_vs_MS.Trt_F
NUP54	0.77373	-0.4012	0.208	0.19	1	HC_vs_MS.Trt_F
ZNF491	0.77388	0.47683	0.488	0.45	1	HC_vs_MS.Trt_F
SLCO4C1	0.7741	-0.9179	0.188	0.19	1	HC_vs_MS.Trt_F
TMEM25	0.77428	-1.1996	0.402	0.4	1	HC_vs_MS.Trt_F
MGAT4A	0.77439	-0.3129	0.445	0.41	1	HC_vs_MS.Trt_F
TM2D3	0.77441	0.28216	0.815	0.78	1	HC_vs_MS.Trt_F
TRIM52	0.77448	-0.3988	0.908	0.86	1	HC_vs_MS.Trt_F
PSMG4	0.77458	-0.303	0.789	0.79	1	HC_vs_MS.Trt_F
THBS1	0.77471	0.60863	0.263	0.25	1	HC_vs_MS.Trt_F
CD302	0.77484	-0.8366	0.425	0.4	1	HC_vs_MS.Trt_F
LIPE	0.77499	-0.7804	0.396	0.34	1	HC_vs_MS.Trt_F

PLEKHB1	0.77521	-0.7196	0.107	0.1	1	HC_vs_MS.Trt_F
AGBL5	0.77555	-0.9484	0.179	0.17	1	HC_vs_MS.Trt_F
MGST2	0.77583	-0.7303	0.214	0.22	1	HC_vs_MS.Trt_F
KYAT1	0.77676	-0.767	0.173	0.16	1	HC_vs_MS.Trt_F
NPIPA5	0.77699	0.70364	0.104	0.11	1	HC_vs_MS.Trt_F
SNX8	0.77775	-0.7893	0.15	0.14	1	HC_vs_MS.Trt_F
ZNF292	0.7779	-0.3668	0.824	0.78	1	HC_vs_MS.Trt_F
UBP1	0.7786	0.46721	0.13	0.12	1	HC_vs_MS.Trt_F
RGL4	0.77926	0.35089	0.263	0.26	1	HC_vs_MS.Trt_F
CSE1L	0.77932	-0.7904	0.225	0.22	1	HC_vs_MS.Trt_F
MED31	0.77933	-0.5252	0.133	0.14	1	HC_vs_MS.Trt_F
AKR1C2	0.77976	1.09875	0.107	0.1	1	HC_vs_MS.Trt_F
ALKBH3	0.77977	0.67316	0.113	0.1	1	HC_vs_MS.Trt_F
ZXDC	0.77997	0.59538	0.116	0.11	1	HC_vs_MS.Trt_F
AP3S2	0.78046	-0.4166	0.725	0.68	1	HC_vs_MS.Trt_F
ZNF19	0.78065	0.30331	0.815	0.8	1	HC_vs_MS.Trt_F
RPS6KA2	0.78102	-0.4197	0.113	0.1	1	HC_vs_MS.Trt_F
ABHD12	0.78155	-0.2524	0.118	0.12	1	HC_vs_MS.Trt_F
GANC	0.78209	-0.8154	0.665	0.65	1	HC_vs_MS.Trt_F
LIMK2	0.7824	-0.2881	0.182	0.19	1	HC_vs_MS.Trt_F
THUMPD2	0.78351	-0.5523	0.41	0.42	1	HC_vs_MS.Trt_F
PTCD1	0.7844	0.46928	0.624	0.63	1	HC_vs_MS.Trt_F
CECR2	0.78455	0.41214	0.558	0.6	1	HC_vs_MS.Trt_F
RBBP5	0.78462	-0.5989	0.59	0.57	1	HC_vs_MS.Trt_F
MLPH	0.78469	1.01299	0.514	0.48	1	HC_vs_MS.Trt_F
WNT9A	0.7854	-0.5618	0.113	0.11	1	HC_vs_MS.Trt_F
ZNF655	0.78615	0.25346	0.616	0.61	1	HC_vs_MS.Trt_F
NDUFA13	0.78715	-0.2687	0.506	0.48	1	HC_vs_MS.Trt_F
TK2	0.78752	0.77386	0.168	0.17	1	HC_vs_MS.Trt_F
BRWD3	0.78763	-0.3155	0.153	0.14	1	HC_vs_MS.Trt_F
ABLIM1	0.78853	-0.3206	0.373	0.34	1	HC_vs_MS.Trt_F
GBA	0.78871	-0.4675	0.506	0.48	1	HC_vs_MS.Trt_F
FBXO28	0.78877	0.422	0.116	0.11	1	HC_vs_MS.Trt_F
APOL1	0.78968	-0.7509	0.702	0.7	1	HC_vs_MS.Trt_F
BICD2	0.7904	-0.5601	0.116	0.12	1	HC_vs_MS.Trt_F
IL18	0.79053	0.78307	0.491	0.49	1	HC_vs_MS.Trt_F
CCT5	0.79062	-0.3287	0.223	0.21	1	HC_vs_MS.Trt_F
SH3KBP1	0.79094	-0.3366	0.497	0.47	1	HC_vs_MS.Trt_F
TWISTNB	0.79109	-0.6602	0.136	0.14	1	HC_vs_MS.Trt_F
KCMF1	0.79136	-0.7844	0.54	0.52	1	HC_vs_MS.Trt_F

ZNF273	0.79232	-0.4907	0.936	0.89	1	HC_vs_MS.Trt_F
DBN1	0.79285	-0.6115	0.249	0.23	1	HC_vs_MS.Trt_F
PEX14	0.79336	0.56151	0.124	0.12	1	HC_vs_MS.Trt_F
DNAJB7	0.7934	-0.394	0.249	0.23	1	HC_vs_MS.Trt_F
IL27RA	0.79363	-0.4721	0.402	0.39	1	HC_vs_MS.Trt_F
SLC35A3	0.79399	0.30982	0.835	0.82	1	HC_vs_MS.Trt_F
NUDT15	0.79445	-1.0434	0.63	0.59	1	HC_vs_MS.Trt_F
ATP5H	0.79478	-0.3887	0.806	0.75	1	HC_vs_MS.Trt_F
BDH1	0.79509	0.33394	0.908	0.89	1	HC_vs_MS.Trt_F
RABAC1	0.79531	-0.5172	0.283	0.27	1	HC_vs_MS.Trt_F
HIST1H2BE	0.79556	0.47056	0.335	0.32	1	HC_vs_MS.Trt_F
BOP1	0.79559	0.32389	0.249	0.24	1	HC_vs_MS.Trt_F
RP11-701H2	0.79562	-0.2876	0.136	0.12	1	HC_vs_MS.Trt_F
TMEM205	0.79569	-0.4403	0.118	0.11	1	HC_vs_MS.Trt_F
MUS81	0.79601	-0.2653	0.159	0.16	1	HC_vs_MS.Trt_F
FRMD4A	0.79609	-0.281	0.656	0.65	1	HC_vs_MS.Trt_F
ALG3	0.79647	-0.7721	0.173	0.17	1	HC_vs_MS.Trt_F
GTF2F2	0.7971	-0.3512	0.211	0.2	1	HC_vs_MS.Trt_F
TRAPPC6A	0.79759	-0.3724	0.185	0.19	1	HC_vs_MS.Trt_F
FAM83H	0.79782	0.49937	0.147	0.14	1	HC_vs_MS.Trt_F
FLCN	0.79788	0.25435	0.893	0.88	1	HC_vs_MS.Trt_F
AGBL2	0.79811	0.64793	0.28	0.29	1	HC_vs_MS.Trt_F
TOMM6	0.79815	-0.5391	0.24	0.22	1	HC_vs_MS.Trt_F
TNS4	0.79881	0.32042	0.572	0.6	1	HC_vs_MS.Trt_F
FBXL22	0.79946	0.51028	0.13	0.14	1	HC_vs_MS.Trt_F
SSR2	0.79949	-0.3006	0.902	0.9	1	HC_vs_MS.Trt_F
SHMT2	0.79961	-0.3326	0.254	0.25	1	HC_vs_MS.Trt_F
LRFN3	0.79964	0.27267	0.63	0.6	1	HC_vs_MS.Trt_F
SLC39A14	0.80001	0.93137	0.436	0.46	1	HC_vs_MS.Trt_F
TNPO3	0.80082	0.48603	0.173	0.18	1	HC_vs_MS.Trt_F
CD33	0.80108	0.31815	0.618	0.6	1	HC_vs_MS.Trt_F
ZNF773	0.80124	0.37398	0.662	0.65	1	HC_vs_MS.Trt_F
CEP170	0.80157	0.586	0.572	0.6	1	HC_vs_MS.Trt_F
IL10RA	0.802	-0.2577	0.578	0.55	1	HC_vs_MS.Trt_F
DCTD	0.80205	-0.5592	0.153	0.14	1	HC_vs_MS.Trt_F
AMMECR1	0.8022	-0.2658	0.159	0.15	1	HC_vs_MS.Trt_F
C19orf53	0.80224	-0.5344	0.405	0.37	1	HC_vs_MS.Trt_F
PSMC3	0.8025	-0.7135	0.185	0.17	1	HC_vs_MS.Trt_F
FADS3	0.80288	-0.261	0.662	0.59	1	HC_vs_MS.Trt_F
CTD-314811C	0.80324	-0.2946	0.11	0.12	1	HC_vs_MS.Trt_F

DOCK5	0.80341	0.34312	0.587	0.6	1	HC_vs_MS.Trt_F
ZSCAN25	0.80409	-0.4378	0.462	0.46	1	HC_vs_MS.Trt_F
LETMD1	0.80431	-0.3235	0.858	0.83	1	HC_vs_MS.Trt_F
PPP1R3B	0.80434	-0.7261	0.286	0.28	1	HC_vs_MS.Trt_F
NDUFS8	0.80444	-0.2653	0.835	0.84	1	HC_vs_MS.Trt_F
ACTR3C	0.80514	-0.4457	0.561	0.53	1	HC_vs_MS.Trt_F
RALBP1	0.80534	-0.3243	0.454	0.44	1	HC_vs_MS.Trt_F
S1PR5	0.80545	0.25714	0.121	0.13	1	HC_vs_MS.Trt_F
TMEM79	0.80578	-0.4998	0.098	0.1	1	HC_vs_MS.Trt_F
RNF103	0.80596	-0.4503	0.639	0.63	1	HC_vs_MS.Trt_F
EML5	0.80701	0.39504	0.243	0.23	1	HC_vs_MS.Trt_F
PLXNA4	0.80718	0.26007	0.104	0.1	1	HC_vs_MS.Trt_F
MRS2	0.8073	0.64321	0.812	0.86	1	HC_vs_MS.Trt_F
NUP50	0.80736	-0.5488	0.734	0.67	1	HC_vs_MS.Trt_F
E2F5	0.80743	-0.7842	0.393	0.4	1	HC_vs_MS.Trt_F
BDH2	0.80753	-0.5664	0.234	0.22	1	HC_vs_MS.Trt_F
NAE1	0.80755	-0.7512	0.737	0.73	1	HC_vs_MS.Trt_F
ZCCHC17	0.80766	-0.3523	0.142	0.13	1	HC_vs_MS.Trt_F
UTP4	0.80787	-0.3572	0.838	0.81	1	HC_vs_MS.Trt_F
BPHL	0.80854	-0.2521	0.694	0.63	1	HC_vs_MS.Trt_F
RSL1D1	0.80883	-0.2904	0.884	0.85	1	HC_vs_MS.Trt_F
CLDND1	0.8089	-0.5796	0.379	0.37	1	HC_vs_MS.Trt_F
REST	0.80931	-0.3702	0.188	0.19	1	HC_vs_MS.Trt_F
DAZAP2	0.80945	-0.289	0.861	0.81	1	HC_vs_MS.Trt_F
RPUSD2	0.80954	-0.8132	0.15	0.16	1	HC_vs_MS.Trt_F
ZNF540	0.81003	-0.8824	0.494	0.49	1	HC_vs_MS.Trt_F
TAZ	0.81016	0.30456	0.59	0.58	1	HC_vs_MS.Trt_F
ZDHC16	0.81041	-0.4829	0.118	0.11	1	HC_vs_MS.Trt_F
LCLAT1	0.81116	-0.2566	0.835	0.8	1	HC_vs_MS.Trt_F
VPS26B	0.81117	0.25278	0.118	0.12	1	HC_vs_MS.Trt_F
MUC20	0.81162	0.3292	0.558	0.54	1	HC_vs_MS.Trt_F
AKAP8L	0.81187	0.64955	0.104	0.1	1	HC_vs_MS.Trt_F
IDO1	0.81212	-0.2691	0.543	0.53	1	HC_vs_MS.Trt_F
ZNF71	0.81246	-0.516	0.292	0.27	1	HC_vs_MS.Trt_F
LIPC	0.81251	0.46347	0.332	0.34	1	HC_vs_MS.Trt_F
TNFSF4	0.81252	0.95085	0.136	0.13	1	HC_vs_MS.Trt_F
PLAA	0.81305	-0.3738	0.133	0.14	1	HC_vs_MS.Trt_F
RAP1GDS1	0.81347	-0.2579	0.379	0.36	1	HC_vs_MS.Trt_F
EGFL8	0.81348	0.25633	0.569	0.55	1	HC_vs_MS.Trt_F
TELO2	0.81357	-0.5547	0.113	0.12	1	HC_vs_MS.Trt_F



KIAA1671	0.81513	-0.3656	0.538	0.51	1	HC_vs_MS.Trt_F
ACTR1A	0.81533	0.30204	0.506	0.47	1	HC_vs_MS.Trt_F
SF3B6	0.81578	-0.4135	0.214	0.2	1	HC_vs_MS.Trt_F
DTX3L	0.8158	-0.466	0.711	0.66	1	HC_vs_MS.Trt_F
TXK	0.81584	-0.386	0.621	0.63	1	HC_vs_MS.Trt_F
LRPPRC	0.81623	-0.5618	0.532	0.47	1	HC_vs_MS.Trt_F
MSRB3	0.8164	0.40214	0.523	0.51	1	HC_vs_MS.Trt_F
KIAA1429	0.81664	-0.5157	0.855	0.84	1	HC_vs_MS.Trt_F
PLCL1	0.8167	-1.1975	0.13	0.12	1	HC_vs_MS.Trt_F
CDRT4	0.8168	-0.3998	0.139	0.13	1	HC_vs_MS.Trt_F
MSH6	0.8171	-0.264	0.841	0.85	1	HC_vs_MS.Trt_F
PRKAR2A	0.8179	0.33831	0.913	0.87	1	HC_vs_MS.Trt_F
GYS1	0.81794	-0.6043	0.165	0.16	1	HC_vs_MS.Trt_F
TFB1M	0.81888	-0.4724	0.448	0.45	1	HC_vs_MS.Trt_F
MTHFD1L	0.81915	-1.1539	0.139	0.14	1	HC_vs_MS.Trt_F
CCDC43	0.81985	-0.3454	0.113	0.12	1	HC_vs_MS.Trt_F
TMEM185B	0.81989	0.59876	0.335	0.34	1	HC_vs_MS.Trt_F
ABHD2	0.81999	-0.8705	0.659	0.65	1	HC_vs_MS.Trt_F
CEP152	0.82001	-0.5119	0.795	0.71	1	HC_vs_MS.Trt_F
ATP6V1B2	0.82067	-0.6023	0.711	0.67	1	HC_vs_MS.Trt_F
TREML2	0.82168	-1.0554	0.133	0.13	1	HC_vs_MS.Trt_F
ZC3H11A	0.82232	-0.2576	0.231	0.21	1	HC_vs_MS.Trt_F
HACD1	0.82236	-0.6386	0.636	0.62	1	HC_vs_MS.Trt_F
TCEAL4	0.82257	-0.3738	0.159	0.16	1	HC_vs_MS.Trt_F
MAP4K2	0.8226	-0.3265	0.708	0.69	1	HC_vs_MS.Trt_F
RALB	0.82264	-1.0798	0.13	0.13	1	HC_vs_MS.Trt_F
LMO7	0.8229	0.37125	0.269	0.28	1	HC_vs_MS.Trt_F
FBLN5	0.82291	-1.0085	0.199	0.2	1	HC_vs_MS.Trt_F
HBP1	0.82304	0.29528	0.812	0.8	1	HC_vs_MS.Trt_F
UBL4A	0.82314	-0.4273	0.118	0.12	1	HC_vs_MS.Trt_F
SLC6A16	0.82333	-1.0021	0.266	0.25	1	HC_vs_MS.Trt_F
DENND1B	0.82392	0.42773	0.159	0.16	1	HC_vs_MS.Trt_F
MRPL21	0.82459	-0.401	0.124	0.13	1	HC_vs_MS.Trt_F
RAB8A	0.82483	-0.2912	0.607	0.57	1	HC_vs_MS.Trt_F
ZNF133	0.82535	0.83081	0.454	0.46	1	HC_vs_MS.Trt_F
RASAL1	0.82555	0.94408	0.318	0.31	1	HC_vs_MS.Trt_F
PLEKHF2	0.82602	-0.9028	0.101	0.1	1	HC_vs_MS.Trt_F
CACNA1F	0.82608	0.55291	0.318	0.32	1	HC_vs_MS.Trt_F
ZNF280C	0.82627	0.69738	0.298	0.29	1	HC_vs_MS.Trt_F
SRRD	0.82651	-0.2928	0.474	0.45	1	HC_vs_MS.Trt_F

RETSAT	0.82747	-0.5092	0.179	0.18	1	HC_vs_MS.Trt_F
EIF3M	0.82783	-0.2778	0.815	0.79	1	HC_vs_MS.Trt_F
SLC23A3	0.82824	-0.7839	0.483	0.46	1	HC_vs_MS.Trt_F
CHST3	0.82838	1.34398	0.188	0.2	1	HC_vs_MS.Trt_F
CENPK	0.82853	-0.3422	0.824	0.79	1	HC_vs_MS.Trt_F
C20orf194	0.82908	-0.2782	0.344	0.33	1	HC_vs_MS.Trt_F
HMGCL	0.82982	0.63511	0.624	0.6	1	HC_vs_MS.Trt_F
FDPS	0.82993	-0.3564	0.526	0.52	1	HC_vs_MS.Trt_F
RP11-244H3	0.83045	-1.7673	0.107	0.11	1	HC_vs_MS.Trt_F
PHEX	0.83055	0.91046	0.104	0.1	1	HC_vs_MS.Trt_F
PRRT2	0.83162	1.19115	0.208	0.22	1	HC_vs_MS.Trt_F
SEC23A	0.83171	-0.3607	0.96	0.95	1	HC_vs_MS.Trt_F
ANXA2R	0.83215	-0.5456	0.182	0.18	1	HC_vs_MS.Trt_F
MFGE8	0.83252	-0.3925	0.604	0.55	1	HC_vs_MS.Trt_F
UBE2V2	0.83394	-0.7794	0.734	0.68	1	HC_vs_MS.Trt_F
ATP6V1G1	0.83395	-0.3973	0.425	0.41	1	HC_vs_MS.Trt_F
RPL26L1	0.83407	-0.6003	0.165	0.17	1	HC_vs_MS.Trt_F
ZBTB33	0.83412	-0.5524	0.101	0.09	1	HC_vs_MS.Trt_F
RABEP1	0.83511	-0.7142	0.225	0.21	1	HC_vs_MS.Trt_F
ZNF830	0.83586	-0.39	0.104	0.11	1	HC_vs_MS.Trt_F
GOSR1	0.8359	-0.3379	0.971	0.97	1	HC_vs_MS.Trt_F
MED4	0.83593	-0.3607	0.636	0.62	1	HC_vs_MS.Trt_F
EAPP	0.83614	-0.2568	0.225	0.23	1	HC_vs_MS.Trt_F
TRAT1	0.83621	-0.3926	0.249	0.24	1	HC_vs_MS.Trt_F
NEO1	0.83654	-0.444	0.266	0.24	1	HC_vs_MS.Trt_F
GIN1	0.8366	-1.0796	0.379	0.37	1	HC_vs_MS.Trt_F
NCR3	0.8369	-0.7982	0.113	0.12	1	HC_vs_MS.Trt_F
PRMT2	0.83695	-0.4106	0.442	0.42	1	HC_vs_MS.Trt_F
SETX	0.83716	-0.2738	0.338	0.31	1	HC_vs_MS.Trt_F
CYTH2	0.83747	0.37273	0.676	0.64	1	HC_vs_MS.Trt_F
LY75-CD302	0.83748	0.67754	0.104	0.1	1	HC_vs_MS.Trt_F
FEZ1	0.83756	0.35059	0.621	0.61	1	HC_vs_MS.Trt_F
C2orf61	0.8376	-0.854	0.15	0.14	1	HC_vs_MS.Trt_F
CRK	0.83797	0.56077	0.639	0.63	1	HC_vs_MS.Trt_F
PPAN	0.83797	0.41363	0.419	0.42	1	HC_vs_MS.Trt_F
ZFP3	0.83933	1.53273	0.11	0.12	1	HC_vs_MS.Trt_F
NEMP2	0.83949	-0.4877	0.118	0.12	1	HC_vs_MS.Trt_F
ZFYVE19	0.83968	0.70536	0.113	0.11	1	HC_vs_MS.Trt_F
SERHL2	0.83994	-0.5948	0.367	0.34	1	HC_vs_MS.Trt_F
ZNF563	0.84005	-1.6277	0.555	0.55	1	HC_vs_MS.Trt_F

KLHL9	0.84055	0.49537	0.373	0.38	1	HC_vs_MS.Trt_F
RNF145	0.84166	-0.5804	0.191	0.19	1	HC_vs_MS.Trt_F
DAAM2	0.84169	-0.3871	0.468	0.42	1	HC_vs_MS.Trt_F
ZNF507	0.84188	-0.6719	0.197	0.18	1	HC_vs_MS.Trt_F
CSNK2A1	0.8422	-0.5084	0.76	0.71	1	HC_vs_MS.Trt_F
NHLRC2	0.8424	-0.2959	0.798	0.76	1	HC_vs_MS.Trt_F
FAM110A	0.84245	-0.5306	0.197	0.19	1	HC_vs_MS.Trt_F
EBLN2	0.84271	-0.4909	0.11	0.1	1	HC_vs_MS.Trt_F
C21orf59	0.84272	-0.2603	0.46	0.44	1	HC_vs_MS.Trt_F
PLPP3	0.84289	0.75727	0.315	0.3	1	HC_vs_MS.Trt_F
NADK2	0.84291	-0.9866	0.5	0.48	1	HC_vs_MS.Trt_F
YKT6	0.84322	-0.5829	0.124	0.12	1	HC_vs_MS.Trt_F
HAVCR1	0.84381	0.71587	0.373	0.39	1	HC_vs_MS.Trt_F
KIAA1549	0.84383	0.61111	0.396	0.38	1	HC_vs_MS.Trt_F
NAA40	0.84416	-0.433	0.561	0.56	1	HC_vs_MS.Trt_F
TEX14	0.84416	-0.4315	0.116	0.11	1	HC_vs_MS.Trt_F
PLXNC1	0.8443	0.6926	0.095	0.1	1	HC_vs_MS.Trt_F
MAN2A1	0.84487	-0.4446	0.26	0.25	1	HC_vs_MS.Trt_F
TUFT1	0.84496	-0.2783	0.396	0.37	1	HC_vs_MS.Trt_F
SLC7A1	0.84539	-0.2823	0.098	0.1	1	HC_vs_MS.Trt_F
TTBK2	0.84577	0.93613	0.555	0.53	1	HC_vs_MS.Trt_F
MYO18A	0.84663	0.29112	0.517	0.51	1	HC_vs_MS.Trt_F
NR6A1	0.84692	-0.6908	0.477	0.46	1	HC_vs_MS.Trt_F
WDR92	0.84696	0.8012	0.743	0.71	1	HC_vs_MS.Trt_F
TVP23A	0.84703	-0.3167	0.517	0.51	1	HC_vs_MS.Trt_F
STAR	0.84787	0.3932	0.286	0.29	1	HC_vs_MS.Trt_F
ASPSCR1	0.84799	-0.2558	0.668	0.64	1	HC_vs_MS.Trt_F
EFCAB10	0.848	0.37019	0.205	0.2	1	HC_vs_MS.Trt_F
ADPRM	0.84811	-0.4201	0.098	0.1	1	HC_vs_MS.Trt_F
USP53	0.84824	-0.6102	0.604	0.57	1	HC_vs_MS.Trt_F
MRPS27	0.84843	0.73381	0.506	0.54	1	HC_vs_MS.Trt_F
METTLL10	0.84856	-0.6752	0.324	0.32	1	HC_vs_MS.Trt_F
TSTD2	0.84865	-0.2544	0.121	0.13	1	HC_vs_MS.Trt_F
PATZ1	0.84925	-0.3844	0.118	0.11	1	HC_vs_MS.Trt_F
ERF	0.8493	0.3884	0.11	0.1	1	HC_vs_MS.Trt_F
SUGP1	0.85019	-0.4258	0.486	0.46	1	HC_vs_MS.Trt_F
MYL6B	0.85027	-0.3636	0.604	0.57	1	HC_vs_MS.Trt_F
RCCD1	0.85048	0.25714	0.202	0.2	1	HC_vs_MS.Trt_F
CTPS1	0.85055	0.59325	0.676	0.66	1	HC_vs_MS.Trt_F
PAXIP1	0.85067	-0.5906	0.474	0.46	1	HC_vs_MS.Trt_F

SERPINE2	0.85079	-1.2037	0.367	0.35	1	HC_vs_MS.Trt_F
CYB5R1	0.85093	0.52562	0.104	0.11	1	HC_vs_MS.Trt_F
TMEM150C	0.85161	0.76598	0.569	0.59	1	HC_vs_MS.Trt_F
MSMO1	0.85218	-0.602	0.555	0.54	1	HC_vs_MS.Trt_F
PIN4	0.85238	-1.1508	0.133	0.13	1	HC_vs_MS.Trt_F
NUDCD2	0.85292	-0.8554	0.786	0.77	1	HC_vs_MS.Trt_F
SNTN	0.85355	0.33227	0.344	0.35	1	HC_vs_MS.Trt_F
SLC25A53	0.85409	0.53273	0.483	0.46	1	HC_vs_MS.Trt_F
SNX10	0.85446	-0.8858	0.142	0.13	1	HC_vs_MS.Trt_F
AVL9	0.85468	-0.4755	0.922	0.9	1	HC_vs_MS.Trt_F
TSC1	0.85469	0.46275	0.48	0.48	1	HC_vs_MS.Trt_F
PGS1	0.85502	0.6926	0.633	0.65	1	HC_vs_MS.Trt_F
SFMBT1	0.85532	-0.6706	0.587	0.58	1	HC_vs_MS.Trt_F
SARM1	0.85631	-0.6307	0.422	0.42	1	HC_vs_MS.Trt_F
TMEM45B	0.85633	0.27155	0.604	0.59	1	HC_vs_MS.Trt_F
TUSC2	0.85722	-0.2615	0.113	0.12	1	HC_vs_MS.Trt_F
MRFAP1	0.85744	-0.4837	0.341	0.34	1	HC_vs_MS.Trt_F
MGME1	0.85745	0.27803	0.118	0.11	1	HC_vs_MS.Trt_F
NAF1	0.8578	0.59629	0.497	0.47	1	HC_vs_MS.Trt_F
CHMP1A	0.85797	-0.3581	0.231	0.22	1	HC_vs_MS.Trt_F
KNL1	0.85813	0.60693	0.451	0.43	1	HC_vs_MS.Trt_F
PSMD1	0.85862	-0.6195	0.217	0.21	1	HC_vs_MS.Trt_F
RTKN2	0.85868	-0.5034	0.532	0.5	1	HC_vs_MS.Trt_F
WASF2	0.8598	-0.2991	0.569	0.5	1	HC_vs_MS.Trt_F
CAPZA2	0.8601	-0.4085	0.908	0.9	1	HC_vs_MS.Trt_F
COMMD8	0.86031	-0.2631	0.118	0.11	1	HC_vs_MS.Trt_F
MIS18BP1	0.86043	-0.953	0.679	0.63	1	HC_vs_MS.Trt_F
KSR1	0.86053	0.33557	0.28	0.29	1	HC_vs_MS.Trt_F
RAD1	0.86057	-0.2862	0.717	0.7	1	HC_vs_MS.Trt_F
G6PC3	0.86085	-0.4683	0.85	0.86	1	HC_vs_MS.Trt_F
METRNL	0.86116	-1.0646	0.121	0.12	1	HC_vs_MS.Trt_F
PDIA4	0.86161	0.58674	0.101	0.1	1	HC_vs_MS.Trt_F
CPNE8	0.86164	-0.394	0.162	0.15	1	HC_vs_MS.Trt_F
FMN1	0.86242	0.92793	0.269	0.27	1	HC_vs_MS.Trt_F
UBE3A	0.86266	-0.5677	0.598	0.57	1	HC_vs_MS.Trt_F
ATP1B1	0.8632	0.27349	0.306	0.31	1	HC_vs_MS.Trt_F
CDK7	0.86366	-0.8816	0.22	0.22	1	HC_vs_MS.Trt_F
MCM3	0.86371	-0.5394	0.225	0.22	1	HC_vs_MS.Trt_F
NBEAL1	0.86374	0.3472	0.899	0.86	1	HC_vs_MS.Trt_F
GOLGB1	0.86378	-0.4261	0.616	0.59	1	HC_vs_MS.Trt_F

VIL1	0.86409	0.79039	0.217	0.21	1	HC_vs_MS.Trt_F
CWC15	0.86449	-0.57	0.208	0.2	1	HC_vs_MS.Trt_F
SLC25A4	0.86478	-0.5629	0.318	0.31	1	HC_vs_MS.Trt_F
MTERF4	0.86491	-0.3665	0.431	0.39	1	HC_vs_MS.Trt_F
THYN1	0.86525	-0.2886	0.156	0.16	1	HC_vs_MS.Trt_F
GIT1	0.86538	-0.3179	0.234	0.22	1	HC_vs_MS.Trt_F
FAM120AOS	0.86564	0.36079	0.688	0.67	1	HC_vs_MS.Trt_F
GMEB2	0.8658	0.25008	0.13	0.12	1	HC_vs_MS.Trt_F
RAB43	0.8666	0.7211	0.228	0.22	1	HC_vs_MS.Trt_F
ATP2C1	0.86685	0.33564	0.191	0.18	1	HC_vs_MS.Trt_F
CAAP1	0.86692	-0.4185	0.165	0.16	1	HC_vs_MS.Trt_F
ZSCAN32	0.86806	-0.3283	0.246	0.23	1	HC_vs_MS.Trt_F
TPRA1	0.86881	0.36181	0.182	0.18	1	HC_vs_MS.Trt_F
VAMP4	0.87003	-0.3093	0.231	0.22	1	HC_vs_MS.Trt_F
IARS	0.87122	-0.5477	0.705	0.68	1	HC_vs_MS.Trt_F
MAP3K7	0.87166	-0.5528	0.159	0.15	1	HC_vs_MS.Trt_F
SLC12A2	0.87173	-0.782	0.572	0.57	1	HC_vs_MS.Trt_F
NOP56	0.87229	-0.5573	0.471	0.45	1	HC_vs_MS.Trt_F
FANK1	0.87243	-0.5774	0.211	0.19	1	HC_vs_MS.Trt_F
APPL1	0.8728	0.90751	0.494	0.49	1	HC_vs_MS.Trt_F
USP45	0.87342	-0.9296	0.179	0.18	1	HC_vs_MS.Trt_F
ARIH2	0.87344	-0.681	0.994	0.97	1	HC_vs_MS.Trt_F
SOCS7	0.87347	0.29669	0.439	0.45	1	HC_vs_MS.Trt_F
GM2A	0.87407	0.52598	0.552	0.57	1	HC_vs_MS.Trt_F
SAMM50	0.87411	-0.6616	0.465	0.45	1	HC_vs_MS.Trt_F
ZNF573	0.87446	0.453	0.413	0.42	1	HC_vs_MS.Trt_F
IMMP1L	0.87479	-0.6866	0.575	0.56	1	HC_vs_MS.Trt_F
DYNC1I2	0.87593	-0.732	0.231	0.21	1	HC_vs_MS.Trt_F
COPS7B	0.87597	0.39686	0.769	0.76	1	HC_vs_MS.Trt_F
GALNT7	0.87676	-0.9275	0.107	0.1	1	HC_vs_MS.Trt_F
OSMR	0.87722	0.88923	0.584	0.57	1	HC_vs_MS.Trt_F
RNF43	0.87727	-0.277	0.35	0.32	1	HC_vs_MS.Trt_F
GABPA	0.87735	0.77535	0.113	0.11	1	HC_vs_MS.Trt_F
EIF3A	0.87774	-0.2674	0.448	0.44	1	HC_vs_MS.Trt_F
ZNF425	0.87795	-0.5635	0.445	0.44	1	HC_vs_MS.Trt_F
CSGALNACT	0.87838	-0.2937	0.538	0.51	1	HC_vs_MS.Trt_F
GCDH	0.87867	-0.3491	0.197	0.19	1	HC_vs_MS.Trt_F
COA1	0.87888	-0.3205	0.772	0.75	1	HC_vs_MS.Trt_F
GTF2E2	0.87907	-0.2726	0.639	0.6	1	HC_vs_MS.Trt_F
C3orf67	0.87959	-0.7954	0.439	0.44	1	HC_vs_MS.Trt_F

GLCE	0.88042	-0.6381	0.165	0.16	1	HC_vs_MS.Trt_F
AD000671.6	0.88076	-0.274	0.13	0.13	1	HC_vs_MS.Trt_F
TMEM71	0.881	0.32081	0.116	0.12	1	HC_vs_MS.Trt_F
ATAD1	0.88191	-0.2963	0.173	0.18	1	HC_vs_MS.Trt_F
MPHOSPH6	0.88202	-0.3622	0.145	0.14	1	HC_vs_MS.Trt_F
SUPT16H	0.88203	-0.3125	0.731	0.69	1	HC_vs_MS.Trt_F
VPS41	0.88223	-0.2845	0.517	0.5	1	HC_vs_MS.Trt_F
SMARCE1	0.88301	-0.6357	0.523	0.49	1	HC_vs_MS.Trt_F
RIMKLB	0.88326	-0.844	0.118	0.12	1	HC_vs_MS.Trt_F
NPTXR	0.88403	0.90346	0.355	0.32	1	HC_vs_MS.Trt_F
LIN7B	0.88405	-0.2932	0.338	0.33	1	HC_vs_MS.Trt_F
ZNF213	0.88416	-0.8806	0.523	0.5	1	HC_vs_MS.Trt_F
TES	0.88426	-0.6078	0.87	0.81	1	HC_vs_MS.Trt_F
CSNK1G2	0.88438	-0.4555	0.133	0.12	1	HC_vs_MS.Trt_F
TOP3B	0.8844	0.36552	0.15	0.15	1	HC_vs_MS.Trt_F
PDK2	0.88445	-0.7302	0.292	0.28	1	HC_vs_MS.Trt_F
HNRNPUL2	0.88466	0.57225	0.124	0.13	1	HC_vs_MS.Trt_F
BRWD1	0.88497	-0.4945	0.85	0.77	1	HC_vs_MS.Trt_F
C8orf44-SGK	0.88535	0.45844	0.101	0.1	1	HC_vs_MS.Trt_F
DGUOK	0.8863	-0.4202	0.217	0.22	1	HC_vs_MS.Trt_F
FAM134B	0.88689	0.27259	0.113	0.12	1	HC_vs_MS.Trt_F
UNK	0.88774	0.55271	0.127	0.12	1	HC_vs_MS.Trt_F
COPS6	0.88803	-0.2793	0.708	0.72	1	HC_vs_MS.Trt_F
NUAK2	0.88832	0.63562	0.347	0.33	1	HC_vs_MS.Trt_F
IL1RL1	0.88833	1.46852	0.124	0.12	1	HC_vs_MS.Trt_F
FAM65C	0.88877	0.38043	0.41	0.39	1	HC_vs_MS.Trt_F
CAMK2D	0.88936	-0.4365	0.225	0.23	1	HC_vs_MS.Trt_F
MTPAP	0.8896	-0.5451	0.873	0.83	1	HC_vs_MS.Trt_F
TIMELESS	0.88966	-0.4489	0.393	0.37	1	HC_vs_MS.Trt_F
PCMTD1	0.8898	-0.7694	0.312	0.3	1	HC_vs_MS.Trt_F
ATMIN	0.88986	-0.6039	0.28	0.27	1	HC_vs_MS.Trt_F
ANAPC11	0.89006	-0.7519	0.422	0.4	1	HC_vs_MS.Trt_F
BLOC1S3	0.89051	-0.6989	0.65	0.6	1	HC_vs_MS.Trt_F
KIAA1614	0.89115	0.46518	0.335	0.3	1	HC_vs_MS.Trt_F
MAD2L1	0.89146	-0.4221	0.477	0.45	1	HC_vs_MS.Trt_F
TRAFD1	0.89153	-0.3151	0.243	0.23	1	HC_vs_MS.Trt_F
SAT2	0.89174	0.37889	0.127	0.12	1	HC_vs_MS.Trt_F
THUMPD1	0.89194	-0.393	0.806	0.79	1	HC_vs_MS.Trt_F
RB1CC1	0.89219	-0.3587	0.306	0.28	1	HC_vs_MS.Trt_F
HDAC1	0.89223	-0.2547	0.292	0.29	1	HC_vs_MS.Trt_F

NDUFB10	0.89229	-0.6509	0.26	0.25	1	HC_vs_MS.Trt_F
RGMB	0.89295	-0.5988	0.116	0.11	1	HC_vs_MS.Trt_F
ZKSCAN1	0.89296	-0.2547	0.974	0.96	1	HC_vs_MS.Trt_F
KLHDC10	0.89299	-0.3707	0.436	0.41	1	HC_vs_MS.Trt_F
NAPB	0.89344	-1.0948	0.448	0.44	1	HC_vs_MS.Trt_F
AHI1	0.89383	0.46805	0.428	0.43	1	HC_vs_MS.Trt_F
PCIF1	0.89402	-0.3599	0.347	0.32	1	HC_vs_MS.Trt_F
MSS51	0.89457	0.59009	0.581	0.54	1	HC_vs_MS.Trt_F
SPRYD7	0.89473	-0.2747	0.728	0.69	1	HC_vs_MS.Trt_F
TYMS	0.89506	-0.8174	0.251	0.24	1	HC_vs_MS.Trt_F
HLA-DRB3	0.89537	-0.5336	0.188	0.18	1	HC_vs_MS.Trt_F
NEIL2	0.89548	-0.3489	0.124	0.12	1	HC_vs_MS.Trt_F
FAM229B	0.89596	0.25419	0.376	0.35	1	HC_vs_MS.Trt_F
CWC25	0.89596	-0.5941	0.384	0.4	1	HC_vs_MS.Trt_F
PTCD2	0.89607	-0.8201	0.61	0.61	1	HC_vs_MS.Trt_F
OSTC	0.89621	-0.3898	0.266	0.27	1	HC_vs_MS.Trt_F
OVCA2	0.89631	-0.8355	0.101	0.1	1	HC_vs_MS.Trt_F
C10orf95	0.8965	-0.4752	0.185	0.17	1	HC_vs_MS.Trt_F
HINT2	0.89673	-0.2506	0.107	0.1	1	HC_vs_MS.Trt_F
SDC4	0.89701	-0.7184	0.171	0.16	1	HC_vs_MS.Trt_F
VSIG10	0.89743	0.25754	0.725	0.7	1	HC_vs_MS.Trt_F
METTL15	0.89753	0.30611	0.396	0.41	1	HC_vs_MS.Trt_F
RNF181	0.89768	-0.5483	0.173	0.17	1	HC_vs_MS.Trt_F
RSAD1	0.89812	0.38323	0.113	0.11	1	HC_vs_MS.Trt_F
KLF10	0.89828	-0.3284	0.098	0.1	1	HC_vs_MS.Trt_F
UBA3	0.8984	-0.3568	0.416	0.42	1	HC_vs_MS.Trt_F
IGHMBP2	0.89873	-0.7164	0.402	0.39	1	HC_vs_MS.Trt_F
CD164	0.89885	-0.3734	0.598	0.57	1	HC_vs_MS.Trt_F
METTL17	0.89923	-0.3883	0.685	0.63	1	HC_vs_MS.Trt_F
GSTM1	0.8993	-0.5568	0.194	0.18	1	HC_vs_MS.Trt_F
PUF60	0.90006	-0.2819	0.24	0.22	1	HC_vs_MS.Trt_F
CDKN2AIP	0.90059	-0.5033	0.133	0.13	1	HC_vs_MS.Trt_F
FBXL4	0.90074	-0.4319	0.546	0.53	1	HC_vs_MS.Trt_F
ADAMTSL4	0.9008	-0.323	0.243	0.25	1	HC_vs_MS.Trt_F
RFXANK	0.901	-0.9553	0.26	0.25	1	HC_vs_MS.Trt_F
CCND3	0.90216	-0.3096	0.575	0.54	1	HC_vs_MS.Trt_F
PTPN18	0.90222	-0.4192	0.434	0.41	1	HC_vs_MS.Trt_F
UBE2O	0.90243	0.54187	0.497	0.48	1	HC_vs_MS.Trt_F
MTUS1	0.90264	0.45554	0.41	0.39	1	HC_vs_MS.Trt_F
RALY	0.90282	-0.3013	0.37	0.37	1	HC_vs_MS.Trt_F

DNA2	0.90305	-0.3356	0.231	0.23	1	HC_vs_MS.Trt_F
SLCO2B1	0.90321	0.61676	0.379	0.36	1	HC_vs_MS.Trt_F
NMI	0.90416	0.28489	0.309	0.31	1	HC_vs_MS.Trt_F
CHPT1	0.90418	-0.4152	0.642	0.63	1	HC_vs_MS.Trt_F
SPAG16	0.90444	0.5502	0.494	0.47	1	HC_vs_MS.Trt_F
ZNF530	0.90554	0.64939	0.509	0.51	1	HC_vs_MS.Trt_F
C3orf38	0.90575	0.63034	0.104	0.1	1	HC_vs_MS.Trt_F
BTN3A1	0.90579	-0.2985	0.61	0.64	1	HC_vs_MS.Trt_F
TOLLIP	0.90622	-0.7314	0.142	0.13	1	HC_vs_MS.Trt_F
CCDC59	0.90632	-0.3644	0.162	0.16	1	HC_vs_MS.Trt_F
NKIRAS1	0.90634	-0.2543	0.298	0.29	1	HC_vs_MS.Trt_F
PRIMPOL	0.90722	0.48896	0.11	0.11	1	HC_vs_MS.Trt_F
TRAPPC2L	0.90749	-0.5367	0.136	0.13	1	HC_vs_MS.Trt_F
STX1B	0.90776	0.52942	0.298	0.3	1	HC_vs_MS.Trt_F
ZNF658	0.90802	0.62528	0.22	0.22	1	HC_vs_MS.Trt_F
UXS1	0.90803	-0.3313	0.254	0.25	1	HC_vs_MS.Trt_F
MRPL19	0.90816	-0.6763	0.283	0.27	1	HC_vs_MS.Trt_F
VPS33A	0.90944	-0.7331	0.876	0.88	1	HC_vs_MS.Trt_F
PSMD4	0.90971	-0.5043	0.694	0.68	1	HC_vs_MS.Trt_F
COQ10A	0.90985	0.77704	0.549	0.54	1	HC_vs_MS.Trt_F
TAF9	0.91012	-0.2896	0.399	0.39	1	HC_vs_MS.Trt_F
MRPL41	0.9104	-0.5603	0.182	0.18	1	HC_vs_MS.Trt_F
VDAC2	0.91045	-0.2784	0.283	0.27	1	HC_vs_MS.Trt_F
ZNRD1	0.91081	-0.2722	0.153	0.15	1	HC_vs_MS.Trt_F
MCU	0.91197	0.68915	0.257	0.27	1	HC_vs_MS.Trt_F
GOLGA3	0.91236	-0.4842	0.798	0.8	1	HC_vs_MS.Trt_F
MKRN3	0.91245	0.6996	0.587	0.6	1	HC_vs_MS.Trt_F
CAPN15	0.91251	1.0075	0.205	0.21	1	HC_vs_MS.Trt_F
RAB4A	0.91255	-0.7883	0.118	0.12	1	HC_vs_MS.Trt_F
ZNF625	0.91298	-0.307	0.289	0.28	1	HC_vs_MS.Trt_F
TRPT1	0.91425	0.32927	0.118	0.12	1	HC_vs_MS.Trt_F
MAD2L1BP	0.91503	-1.1248	0.191	0.18	1	HC_vs_MS.Trt_F
MARK4	0.91696	0.25223	0.578	0.56	1	HC_vs_MS.Trt_F
C15orf41	0.91722	-0.4305	0.645	0.6	1	HC_vs_MS.Trt_F
HTRA2	0.91734	-0.5524	0.139	0.13	1	HC_vs_MS.Trt_F
STRADB	0.91738	-0.5632	0.101	0.1	1	HC_vs_MS.Trt_F
MAPK1	0.91745	-0.4838	0.592	0.54	1	HC_vs_MS.Trt_F
TCEB2	0.91774	-0.5134	0.35	0.32	1	HC_vs_MS.Trt_F
ZFYVE26	0.91804	0.54415	0.876	0.87	1	HC_vs_MS.Trt_F
ZFAND2A	0.91823	-0.4004	0.121	0.12	1	HC_vs_MS.Trt_F



PHAX	0.91875	-0.2513	0.893	0.86	1	HC_vs_MS.Trt_F
OPA1	0.91879	-0.3545	0.156	0.16	1	HC_vs_MS.Trt_F
ZNF862	0.91883	-0.503	0.145	0.14	1	HC_vs_MS.Trt_F
COA5	0.91929	-0.5739	0.52	0.46	1	HC_vs_MS.Trt_F
EMC7	0.92023	-0.5908	0.22	0.21	1	HC_vs_MS.Trt_F
RAB4B	0.92035	-0.4101	0.384	0.35	1	HC_vs_MS.Trt_F
VEPH1	0.9207	0.36174	0.113	0.12	1	HC_vs_MS.Trt_F
STK11IP	0.9208	-0.2612	0.101	0.1	1	HC_vs_MS.Trt_F
IMPDH2	0.92105	-0.3597	0.225	0.22	1	HC_vs_MS.Trt_F
ADRM1	0.92116	-0.3216	0.295	0.27	1	HC_vs_MS.Trt_F
WDR7	0.92135	-1.4352	0.373	0.36	1	HC_vs_MS.Trt_F
ZNF224	0.92136	-0.4418	0.451	0.45	1	HC_vs_MS.Trt_F
SAMD3	0.92223	-0.2509	0.295	0.28	1	HC_vs_MS.Trt_F
TRAPPC4	0.92289	-0.4509	0.936	0.9	1	HC_vs_MS.Trt_F
ANKRD55	0.9233	-0.3844	0.182	0.17	1	HC_vs_MS.Trt_F
CEP128	0.92335	-0.3219	0.202	0.2	1	HC_vs_MS.Trt_F
HIST2H4B	0.92357	0.64055	0.176	0.17	1	HC_vs_MS.Trt_F
LINC00116	0.92385	-0.6275	0.176	0.17	1	HC_vs_MS.Trt_F
HELLS	0.92419	-0.5683	0.841	0.78	1	HC_vs_MS.Trt_F
MYC	0.92429	-0.8642	0.168	0.16	1	HC_vs_MS.Trt_F
ACTN1	0.92479	-1.4149	0.653	0.6	1	HC_vs_MS.Trt_F
PCGF1	0.92489	-0.3308	0.402	0.4	1	HC_vs_MS.Trt_F
OAZ2	0.92521	-0.6006	0.815	0.78	1	HC_vs_MS.Trt_F
RP11-458D2	0.92574	-0.4551	0.127	0.13	1	HC_vs_MS.Trt_F
XBP1	0.92656	-0.3259	0.188	0.18	1	HC_vs_MS.Trt_F
GLRA3	0.92778	0.27553	0.306	0.32	1	HC_vs_MS.Trt_F
ACRC	0.928	-0.6628	0.454	0.44	1	HC_vs_MS.Trt_F
TRIAP1	0.92811	-0.3753	0.11	0.1	1	HC_vs_MS.Trt_F
PDPN	0.92868	0.53994	0.514	0.5	1	HC_vs_MS.Trt_F
GID4	0.92942	0.30336	0.702	0.67	1	HC_vs_MS.Trt_F
GLT8D1	0.93022	-0.8604	0.312	0.3	1	HC_vs_MS.Trt_F
NSUN6	0.93034	-0.338	0.728	0.68	1	HC_vs_MS.Trt_F
SRGAP3	0.93038	1.18726	0.879	0.84	1	HC_vs_MS.Trt_F
SETD6	0.93045	0.31845	0.462	0.46	1	HC_vs_MS.Trt_F
DCAF12	0.93057	-0.4405	0.179	0.17	1	HC_vs_MS.Trt_F
ZFAT	0.93068	1.18924	0.338	0.33	1	HC_vs_MS.Trt_F
CEPT1	0.93105	-0.8201	0.361	0.34	1	HC_vs_MS.Trt_F
BABAM1	0.93108	-0.4669	0.63	0.62	1	HC_vs_MS.Trt_F
SART3	0.93132	-0.3797	0.185	0.18	1	HC_vs_MS.Trt_F
EDEM1	0.93167	-0.5364	0.335	0.32	1	HC_vs_MS.Trt_F

SYNJ2BP	0.93175	-0.2681	0.867	0.79	1	HC_vs_MS.Trt_F
SFR1	0.93226	0.40526	0.292	0.3	1	HC_vs_MS.Trt_F
TBC1D14	0.93239	-0.3357	0.185	0.18	1	HC_vs_MS.Trt_F
NUCB1	0.93289	-0.3211	0.283	0.27	1	HC_vs_MS.Trt_F
LLGL1	0.93334	0.71976	0.301	0.3	1	HC_vs_MS.Trt_F
ROCK2	0.93378	0.88839	0.471	0.46	1	HC_vs_MS.Trt_F
THAP11	0.93495	-0.5228	0.101	0.1	1	HC_vs_MS.Trt_F
EXT1	0.93499	0.68635	0.199	0.2	1	HC_vs_MS.Trt_F
TIMP2	0.93512	1.03805	0.202	0.21	1	HC_vs_MS.Trt_F
TP53INP1	0.93543	-0.429	0.355	0.35	1	HC_vs_MS.Trt_F
RRBP1	0.9356	0.52811	0.318	0.32	1	HC_vs_MS.Trt_F
SNAPIN	0.93561	0.30073	0.147	0.15	1	HC_vs_MS.Trt_F
GPAT4	0.93576	0.31836	0.783	0.73	1	HC_vs_MS.Trt_F
SSBP1	0.93636	-0.3063	0.699	0.69	1	HC_vs_MS.Trt_F
SNRPA	0.93688	-0.4835	0.298	0.28	1	HC_vs_MS.Trt_F
ATP10D	0.93712	0.5269	0.405	0.39	1	HC_vs_MS.Trt_F
SGCB	0.93727	-0.5234	0.315	0.3	1	HC_vs_MS.Trt_F
MCRIP1	0.93803	-0.3984	0.41	0.41	1	HC_vs_MS.Trt_F
ZC3H6	0.93831	-0.5929	0.85	0.8	1	HC_vs_MS.Trt_F
NDUFB4	0.93835	-0.7513	0.254	0.24	1	HC_vs_MS.Trt_F
CCT7	0.93841	-0.2762	0.26	0.26	1	HC_vs_MS.Trt_F
ZNF33A	0.93886	-0.504	0.584	0.55	1	HC_vs_MS.Trt_F
N4BP2L1	0.93887	-0.4829	0.653	0.65	1	HC_vs_MS.Trt_F
COMMD10	0.93901	-0.2662	0.341	0.32	1	HC_vs_MS.Trt_F
BIRC2	0.93924	-0.8417	0.202	0.19	1	HC_vs_MS.Trt_F
NPIP11	0.93943	-0.4553	0.555	0.52	1	HC_vs_MS.Trt_F
NECAP2	0.94073	-0.5431	0.483	0.46	1	HC_vs_MS.Trt_F
CNKSR1	0.94076	0.60786	0.176	0.17	1	HC_vs_MS.Trt_F
NDUFB5	0.94102	-0.3727	0.702	0.69	1	HC_vs_MS.Trt_F
SCAF11	0.9413	-0.6734	0.899	0.87	1	HC_vs_MS.Trt_F
U2AF1	0.94143	-0.3915	0.532	0.51	1	HC_vs_MS.Trt_F
FCHSD1	0.94156	-0.4155	0.327	0.3	1	HC_vs_MS.Trt_F
COQ3	0.94222	0.29558	0.251	0.25	1	HC_vs_MS.Trt_F
SRD5A3	0.9423	-0.8327	0.413	0.39	1	HC_vs_MS.Trt_F
CEBPZ	0.9423	-0.5816	0.246	0.24	1	HC_vs_MS.Trt_F
CUTC	0.94255	-0.2761	0.162	0.16	1	HC_vs_MS.Trt_F
TMBIM4	0.94281	-0.3449	0.853	0.82	1	HC_vs_MS.Trt_F
MTERF1	0.94315	-1.1049	0.254	0.24	1	HC_vs_MS.Trt_F
MZB1	0.94356	-0.4661	0.656	0.63	1	HC_vs_MS.Trt_F
CNGB1	0.94398	0.31554	0.338	0.33	1	HC_vs_MS.Trt_F

DAPP1	0.94458	-0.5734	0.251	0.25	1	HC_vs_MS.Trt_F
NR2C2	0.94461	-0.6128	0.656	0.62	1	HC_vs_MS.Trt_F
TMEM248	0.94503	-0.338	0.22	0.21	1	HC_vs_MS.Trt_F
ISOC1	0.94513	-0.5953	0.124	0.12	1	HC_vs_MS.Trt_F
OSTM1	0.94541	-0.4156	0.795	0.82	1	HC_vs_MS.Trt_F
PDE3B	0.94561	-0.6647	0.613	0.55	1	HC_vs_MS.Trt_F
RGS13	0.94589	-0.3415	0.442	0.4	1	HC_vs_MS.Trt_F
PAXBP1	0.94594	-0.9489	0.223	0.21	1	HC_vs_MS.Trt_F
SSR1	0.94635	-0.487	0.934	0.92	1	HC_vs_MS.Trt_F
LGALS4	0.94695	-0.5008	0.613	0.57	1	HC_vs_MS.Trt_F
DHFR	0.94704	-0.2923	0.639	0.61	1	HC_vs_MS.Trt_F
TPK1	0.94818	0.70634	0.396	0.39	1	HC_vs_MS.Trt_F
ANKRD16	0.94842	-0.8221	0.471	0.46	1	HC_vs_MS.Trt_F
PLOD1	0.94861	-1.2311	0.691	0.68	1	HC_vs_MS.Trt_F
SLC31A2	0.94869	-1.2542	0.13	0.13	1	HC_vs_MS.Trt_F
MRPL53	0.94876	-0.4378	0.133	0.13	1	HC_vs_MS.Trt_F
SMYD2	0.94887	-0.2785	0.156	0.16	1	HC_vs_MS.Trt_F
HAUS4	0.94899	-1.1871	0.156	0.15	1	HC_vs_MS.Trt_F
BOLA2	0.94902	-0.2539	0.145	0.14	1	HC_vs_MS.Trt_F
KIF1BP	0.94904	-0.465	0.711	0.72	1	HC_vs_MS.Trt_F
ASNS	0.94947	0.70169	0.283	0.28	1	HC_vs_MS.Trt_F
PAFAH1B2	0.9495	-0.7172	0.91	0.82	1	HC_vs_MS.Trt_F
HERPUD1	0.94981	-0.394	0.746	0.75	1	HC_vs_MS.Trt_F
GRPEL2	0.95081	-0.6161	0.275	0.27	1	HC_vs_MS.Trt_F
POC5	0.95123	-0.582	0.113	0.11	1	HC_vs_MS.Trt_F
COX17	0.95126	-0.3089	0.335	0.32	1	HC_vs_MS.Trt_F
RAE1	0.9522	-0.3124	0.139	0.13	1	HC_vs_MS.Trt_F
ACP1	0.95296	-0.2982	0.266	0.26	1	HC_vs_MS.Trt_F
TOPORS-AS1	0.95407	-0.6938	0.116	0.12	1	HC_vs_MS.Trt_F
DYX1C1	0.95482	-0.307	0.529	0.52	1	HC_vs_MS.Trt_F
ADTRP	0.95526	-0.2904	0.37	0.34	1	HC_vs_MS.Trt_F
ABCA5	0.95559	-0.6896	0.653	0.62	1	HC_vs_MS.Trt_F
KDELRL1	0.95585	-0.5046	0.266	0.25	1	HC_vs_MS.Trt_F
RANBP10	0.95602	0.2949	0.159	0.16	1	HC_vs_MS.Trt_F
FOXP1	0.95613	-0.269	0.89	0.86	1	HC_vs_MS.Trt_F
MZF1	0.9566	0.40328	0.133	0.13	1	HC_vs_MS.Trt_F
ZNF813	0.95687	-0.3151	0.763	0.77	1	HC_vs_MS.Trt_F
MAP2K1	0.95725	-0.5165	0.153	0.15	1	HC_vs_MS.Trt_F
PCID2	0.95733	-0.4384	0.361	0.35	1	HC_vs_MS.Trt_F
POLR2M	0.95832	-0.7379	0.165	0.16	1	HC_vs_MS.Trt_F

ZNF248	0.95902	0.29401	0.188	0.18	1	HC_vs_MS.Trt_F
UBR2	0.95936	0.28142	0.549	0.54	1	HC_vs_MS.Trt_F
ZNF654	0.95937	-0.8138	0.145	0.14	1	HC_vs_MS.Trt_F
SLC25A11	0.95957	-0.4826	0.194	0.18	1	HC_vs_MS.Trt_F
BOLA3	0.95987	-0.472	0.54	0.52	1	HC_vs_MS.Trt_F
MTFR1L	0.96001	-0.2964	0.578	0.57	1	HC_vs_MS.Trt_F
IFI30	0.96006	-0.3953	0.364	0.35	1	HC_vs_MS.Trt_F
HS3ST1	0.96017	-0.4363	0.338	0.33	1	HC_vs_MS.Trt_F
DR1	0.96044	-0.5253	0.827	0.8	1	HC_vs_MS.Trt_F
PPP2R3B	0.96099	0.40666	0.558	0.53	1	HC_vs_MS.Trt_F
PAFAH2	0.96106	-0.5723	0.566	0.54	1	HC_vs_MS.Trt_F
GALNT1	0.96284	-0.6477	0.101	0.1	1	HC_vs_MS.Trt_F
BARD1	0.96327	-0.501	0.159	0.15	1	HC_vs_MS.Trt_F
SETD3	0.9634	0.33132	0.121	0.12	1	HC_vs_MS.Trt_F
AGGF1	0.9636	-0.4483	0.165	0.16	1	HC_vs_MS.Trt_F
NR1H3	0.9639	1.12376	0.15	0.15	1	HC_vs_MS.Trt_F
HSPA14	0.96399	-0.4841	0.373	0.37	1	HC_vs_MS.Trt_F
FARP2	0.96441	-1.3568	0.376	0.35	1	HC_vs_MS.Trt_F
DHTKD1	0.96441	-0.5112	0.858	0.83	1	HC_vs_MS.Trt_F
CTC-487M2	0.96469	0.51579	0.91	0.94	1	HC_vs_MS.Trt_F
UQCR10	0.96498	-0.537	0.364	0.34	1	HC_vs_MS.Trt_F
SCRN2	0.96575	-1.076	0.136	0.13	1	HC_vs_MS.Trt_F
MOAP1	0.96577	-0.5525	0.413	0.39	1	HC_vs_MS.Trt_F
FAM124B	0.96634	-1.1365	0.118	0.12	1	HC_vs_MS.Trt_F
SMYD4	0.96672	-0.8193	0.855	0.81	1	HC_vs_MS.Trt_F
ANKRD18A	0.96699	0.55369	0.28	0.27	1	HC_vs_MS.Trt_F
DNAH7	0.96779	0.3233	0.694	0.67	1	HC_vs_MS.Trt_F
SEC61A2	0.96792	-0.7279	0.113	0.11	1	HC_vs_MS.Trt_F
GUCD1	0.96806	-0.9516	0.512	0.48	1	HC_vs_MS.Trt_F
ST20	0.96818	0.62886	0.254	0.25	1	HC_vs_MS.Trt_F
ETAA1	0.96835	-0.4956	0.15	0.15	1	HC_vs_MS.Trt_F
DERA	0.96877	-0.9728	0.113	0.11	1	HC_vs_MS.Trt_F
ATP2A3	0.96903	-0.284	0.338	0.33	1	HC_vs_MS.Trt_F
PIGA	0.96912	-0.3164	0.488	0.46	1	HC_vs_MS.Trt_F
DOCK6	0.96916	0.89011	0.552	0.57	1	HC_vs_MS.Trt_F
BTN2A2	0.97089	0.59185	0.101	0.1	1	HC_vs_MS.Trt_F
CEP120	0.97112	-0.6602	0.173	0.17	1	HC_vs_MS.Trt_F
CLTB	0.97148	0.42969	0.107	0.11	1	HC_vs_MS.Trt_F
SP110	0.97213	-0.3158	0.705	0.68	1	HC_vs_MS.Trt_F
WDR47	0.97287	-0.4957	0.231	0.23	1	HC_vs_MS.Trt_F

PRKRA	0.97318	-0.434	0.272	0.26	1	HC_vs_MS.Trt_F
CBFB	0.97326	-0.2962	0.182	0.17	1	HC_vs_MS.Trt_F
GORASP2	0.97357	-0.4944	0.228	0.22	1	HC_vs_MS.Trt_F
TXNDC9	0.97396	-0.5191	0.142	0.14	1	HC_vs_MS.Trt_F
RTEL1	0.97398	1.1277	0.116	0.12	1	HC_vs_MS.Trt_F
WNT10A	0.97431	0.72831	0.159	0.16	1	HC_vs_MS.Trt_F
CRNKL1	0.97479	-0.3888	0.116	0.11	1	HC_vs_MS.Trt_F
WDR83	0.9749	0.50799	0.607	0.58	1	HC_vs_MS.Trt_F
PALB2	0.97506	-1.0918	0.254	0.24	1	HC_vs_MS.Trt_F
ZNF622	0.97561	-0.3708	0.147	0.14	1	HC_vs_MS.Trt_F
RINT1	0.97686	-0.8074	0.569	0.55	1	HC_vs_MS.Trt_F
EXOC5	0.9769	-0.2828	0.454	0.44	1	HC_vs_MS.Trt_F
AGPS	0.97693	0.35687	0.162	0.16	1	HC_vs_MS.Trt_F
CEP135	0.97761	0.3288	0.824	0.8	1	HC_vs_MS.Trt_F
SEH1L	0.97787	-0.3126	0.922	0.91	1	HC_vs_MS.Trt_F
ZNF317	0.97788	-0.5511	0.139	0.13	1	HC_vs_MS.Trt_F
SPPL3	0.97803	0.62848	0.61	0.59	1	HC_vs_MS.Trt_F
MRPL36	0.97829	-0.9702	0.118	0.12	1	HC_vs_MS.Trt_F
RP11-599B1	0.97895	-0.2758	0.228	0.22	1	HC_vs_MS.Trt_F
SLC30A7	0.97923	-0.7219	0.734	0.68	1	HC_vs_MS.Trt_F
JOSD2	0.97924	-0.3098	0.11	0.11	1	HC_vs_MS.Trt_F
F2R	0.97952	-0.5655	0.578	0.56	1	HC_vs_MS.Trt_F
VTA1	0.98009	-0.8802	0.425	0.41	1	HC_vs_MS.Trt_F
RGS16	0.98015	0.39965	0.113	0.11	1	HC_vs_MS.Trt_F
UQCC2	0.98028	-0.6853	0.116	0.11	1	HC_vs_MS.Trt_F
NDUFAF1	0.98063	-0.271	0.454	0.45	1	HC_vs_MS.Trt_F
ZHX2	0.98067	-0.309	0.139	0.14	1	HC_vs_MS.Trt_F
C9orf64	0.98072	-0.2816	0.592	0.58	1	HC_vs_MS.Trt_F
NOG	0.98107	-1.242	0.139	0.13	1	HC_vs_MS.Trt_F
OTUD7A	0.98149	-0.5398	0.159	0.16	1	HC_vs_MS.Trt_F
PSMA5	0.98158	-0.3483	0.303	0.3	1	HC_vs_MS.Trt_F
CLU	0.98242	-0.437	0.561	0.55	1	HC_vs_MS.Trt_F
SNX3	0.98289	-0.4142	0.182	0.17	1	HC_vs_MS.Trt_F
PDCD6	0.98334	-0.5088	0.725	0.67	1	HC_vs_MS.Trt_F
MAMLD1	0.98361	-0.4984	0.194	0.19	1	HC_vs_MS.Trt_F
MRPS14	0.98405	-0.5553	0.176	0.17	1	HC_vs_MS.Trt_F
EPPK1	0.98432	0.2544	0.101	0.1	1	HC_vs_MS.Trt_F
ATG16L1	0.98438	-0.5101	0.179	0.17	1	HC_vs_MS.Trt_F
SHTN1	0.98475	-1.3596	0.118	0.12	1	HC_vs_MS.Trt_F
PRKCE	0.98479	0.98863	0.171	0.17	1	HC_vs_MS.Trt_F

MMACHC	0.98536	0.38122	0.916	0.91	1	HC_vs_MS.Trt_F
BSCL2	0.9855	0.466	0.202	0.2	1	HC_vs_MS.Trt_F
ZNF180	0.98599	-1.0478	0.355	0.35	1	HC_vs_MS.Trt_F
MTIF3	0.98723	-0.7356	0.24	0.22	1	HC_vs_MS.Trt_F
TLK1	0.98726	-0.4908	0.74	0.79	1	HC_vs_MS.Trt_F
GCM1	0.9874	-0.7443	0.616	0.58	1	HC_vs_MS.Trt_F
ARSK	0.98744	0.56991	0.604	0.59	1	HC_vs_MS.Trt_F
ZNF829	0.98768	-0.4211	0.896	0.88	1	HC_vs_MS.Trt_F
CHMP4A	0.98784	-0.6019	0.636	0.57	1	HC_vs_MS.Trt_F
EXOSC1	0.98804	0.37162	0.558	0.56	1	HC_vs_MS.Trt_F
ZNF69	0.98827	0.68977	0.454	0.45	1	HC_vs_MS.Trt_F
AP3S1	0.98913	-0.4627	0.413	0.39	1	HC_vs_MS.Trt_F
ZNF264	0.9893	-0.2719	0.957	0.95	1	HC_vs_MS.Trt_F
GF11B	0.98941	0.37285	0.581	0.58	1	HC_vs_MS.Trt_F
THAP1	0.9895	-1.0989	0.104	0.1	1	HC_vs_MS.Trt_F
ZNF517	0.98955	-0.3311	0.431	0.44	1	HC_vs_MS.Trt_F
MLST8	0.9897	0.78385	0.434	0.42	1	HC_vs_MS.Trt_F
EVI5L	0.99023	-0.3352	0.318	0.31	1	HC_vs_MS.Trt_F
FAM217B	0.99028	-0.3282	0.399	0.39	1	HC_vs_MS.Trt_F
UBE2Z	0.9904	-0.3441	0.286	0.29	1	HC_vs_MS.Trt_F
FAM200A	0.99052	1.29135	0.246	0.24	1	HC_vs_MS.Trt_F
GPR107	0.9907	-0.335	0.208	0.21	1	HC_vs_MS.Trt_F
EIF4B	0.99082	-0.3106	0.743	0.73	1	HC_vs_MS.Trt_F
TTI1	0.99122	-0.6904	0.249	0.23	1	HC_vs_MS.Trt_F
KLHDC3	0.99131	-0.4104	0.173	0.17	1	HC_vs_MS.Trt_F
DAPK3	0.99159	-0.4332	0.116	0.11	1	HC_vs_MS.Trt_F
ITIH4	0.99161	-0.5705	0.26	0.25	1	HC_vs_MS.Trt_F
TRMT61B	0.9918	-0.3226	0.133	0.13	1	HC_vs_MS.Trt_F
MSL3	0.99183	-0.9576	0.188	0.18	1	HC_vs_MS.Trt_F
ZSWIM7	0.99265	-0.5043	0.824	0.78	1	HC_vs_MS.Trt_F
XRN2	0.9937	-0.2962	0.231	0.23	1	HC_vs_MS.Trt_F
RP4-583P15	0.99424	0.43177	0.15	0.15	1	HC_vs_MS.Trt_F
TLR5	0.99486	0.66237	0.636	0.62	1	HC_vs_MS.Trt_F
ULK2	0.99549	-0.6516	0.725	0.73	1	HC_vs_MS.Trt_F
TCP1	0.99583	-0.5585	0.428	0.41	1	HC_vs_MS.Trt_F
LILRB5	0.99589	0.51748	0.379	0.37	1	HC_vs_MS.Trt_F
ZNF384	0.99593	-0.2603	0.147	0.14	1	HC_vs_MS.Trt_F
DEAF1	0.99744	0.60306	0.329	0.33	1	HC_vs_MS.Trt_F
RP11-2C24.9	0.99785	-0.6219	0.13	0.13	1	HC_vs_MS.Trt_F
PPP1R3E	0.99788	1.42894	0.246	0.25	1	HC_vs_MS.Trt_F

NQO1	0.99796	-0.5486	0.598	0.58	1	HC_vs_MS.Trt_F
USP28	0.99799	0.29461	0.41	0.39	1	HC_vs_MS.Trt_F
ZBTB11	0.99906	-0.5324	0.529	0.53	1	HC_vs_MS.Trt_F
GMFB	0.99938	-0.2543	0.124	0.12	1	HC_vs_MS.Trt_F
ZFP30	0.99946	-0.5154	0.844	0.84	1	HC_vs_MS.Trt_F
CEP126	0.99964	0.27453	0.783	0.73	1	HC_vs_MS.Trt_F
TUBE1	0.99981	-0.4368	0.514	0.51	1	HC_vs_MS.Trt_F
TAC4	2.84E-23	0.70161	0.722	0.49	4.53E-19	HC_vs_MS.Trt_B
MT-CO2	1.25E-22	-0.8549	0.981	0.98	1.99E-18	HC_vs_MS.Trt_B
SENP7	1.58E-21	0.42843	0.987	0.87	2.53E-17	HC_vs_MS.Trt_B
PPDPF	2.00E-21	1.01843	0.433	0.19	3.20E-17	HC_vs_MS.Trt_B
ANKRD30BL	2.19E-21	0.64247	0.584	0.31	3.50E-17	HC_vs_MS.Trt_B
FAM227A	1.17E-20	0.5069	0.909	0.74	1.87E-16	HC_vs_MS.Trt_B
RPL3	1.38E-20	-0.5348	0.977	1	2.21E-16	HC_vs_MS.Trt_B
SLC35E3	1.91E-19	0.32053	0.999	0.98	3.05E-15	HC_vs_MS.Trt_B
RASGRP3	3.24E-19	0.38254	0.991	0.96	5.18E-15	HC_vs_MS.Trt_B
SFT2D2	3.17E-18	0.32297	0.98	0.88	5.07E-14	HC_vs_MS.Trt_B
PTPN3	2.21E-17	0.29246	0.803	0.59	3.52E-13	HC_vs_MS.Trt_B
C4orf36	3.01E-17	0.47991	0.838	0.64	4.80E-13	HC_vs_MS.Trt_B
LRRC57	5.43E-17	0.26916	0.97	0.9	8.67E-13	HC_vs_MS.Trt_B
CYSLTR1	6.28E-17	0.43061	0.946	0.81	1.00E-12	HC_vs_MS.Trt_B
MGAT4C	7.38E-17	0.4914	0.777	0.58	1.18E-12	HC_vs_MS.Trt_B
MORC4	7.94E-17	0.3162	0.991	0.95	1.27E-12	HC_vs_MS.Trt_B
ITGB3BP	8.73E-17	0.51959	0.784	0.59	1.39E-12	HC_vs_MS.Trt_B
ZNF283	8.77E-17	0.37171	0.984	0.95	1.40E-12	HC_vs_MS.Trt_B
ACOT9	8.96E-17	1.04822	0.929	0.8	1.43E-12	HC_vs_MS.Trt_B
TMSB4X	1.59E-16	-0.359	0.993	0.99	2.54E-12	HC_vs_MS.Trt_B
SAMD12	2.74E-16	0.37605	0.972	0.87	4.37E-12	HC_vs_MS.Trt_B
C5AR2	3.16E-16	0.33969	0.941	0.85	5.05E-12	HC_vs_MS.Trt_B
CACNA1A	5.76E-16	0.32439	1	0.99	9.20E-12	HC_vs_MS.Trt_B
RGPD5	6.02E-16	0.68931	0.816	0.65	9.61E-12	HC_vs_MS.Trt_B
PBX1	6.05E-16	0.56354	0.891	0.73	9.66E-12	HC_vs_MS.Trt_B
PLPP2	6.09E-16	0.40308	0.891	0.75	9.72E-12	HC_vs_MS.Trt_B
LPP	7.05E-16	0.70811	0.971	0.87	1.13E-11	HC_vs_MS.Trt_B
GIGYF2	8.28E-16	0.58848	0.91	0.8	1.32E-11	HC_vs_MS.Trt_B
ZFP14	1.66E-15	0.77942	0.857	0.69	2.65E-11	HC_vs_MS.Trt_B
TMEM45A	1.71E-15	0.27303	0.996	0.95	2.72E-11	HC_vs_MS.Trt_B
RPS14	1.93E-15	-0.7435	0.959	0.95	3.08E-11	HC_vs_MS.Trt_B
NDUFS1	2.55E-15	0.36875	0.952	0.83	4.07E-11	HC_vs_MS.Trt_B
NUPL2	4.67E-15	0.42717	0.962	0.88	7.46E-11	HC_vs_MS.Trt_B

SRD5A1	5.37E-15	0.5226	0.701	0.47	8.58E-11	HC_vs_MS.Trt_B
STARD8	5.38E-15	0.48656	0.69	0.49	8.60E-11	HC_vs_MS.Trt_B
CHST12	5.79E-15	0.28461	0.99	0.96	9.25E-11	HC_vs_MS.Trt_B
ZNF844	6.55E-15	0.41406	0.904	0.8	1.05E-10	HC_vs_MS.Trt_B
ZNF445	1.09E-14	0.25168	0.978	0.91	1.74E-10	HC_vs_MS.Trt_B
C12orf50	1.16E-14	0.40759	0.893	0.77	1.86E-10	HC_vs_MS.Trt_B
C4orf32	1.55E-14	0.28303	0.986	0.94	2.48E-10	HC_vs_MS.Trt_B
ZNF675	1.68E-14	-0.6538	0.922	0.8	2.69E-10	HC_vs_MS.Trt_B
ABI2	1.69E-14	0.38419	0.857	0.69	2.69E-10	HC_vs_MS.Trt_B
CCDC125	2.12E-14	0.40569	0.936	0.8	3.39E-10	HC_vs_MS.Trt_B
AKT2	2.69E-14	0.59721	0.946	0.88	4.29E-10	HC_vs_MS.Trt_B
ZNF382	3.01E-14	0.48878	0.926	0.84	4.81E-10	HC_vs_MS.Trt_B
FLAD1	3.34E-14	0.3782	0.67	0.46	5.33E-10	HC_vs_MS.Trt_B
SLFN12L	3.36E-14	0.34118	0.835	0.66	5.37E-10	HC_vs_MS.Trt_B
EPN1	3.71E-14	0.42708	0.949	0.88	5.92E-10	HC_vs_MS.Trt_B
TMEM106B	4.04E-14	0.33969	0.888	0.73	6.45E-10	HC_vs_MS.Trt_B
CYP1A2	4.06E-14	0.43178	0.864	0.71	6.48E-10	HC_vs_MS.Trt_B
FTO	4.49E-14	0.29945	0.99	0.95	7.17E-10	HC_vs_MS.Trt_B
ITGA11	4.55E-14	0.47304	0.619	0.41	7.26E-10	HC_vs_MS.Trt_B
EEF2	4.70E-14	0.43864	0.894	0.77	7.51E-10	HC_vs_MS.Trt_B
WISP2	5.33E-14	0.44744	0.606	0.39	8.51E-10	HC_vs_MS.Trt_B
CAMK2G	5.42E-14	0.46275	0.641	0.4	8.65E-10	HC_vs_MS.Trt_B
REL	5.59E-14	0.45529	0.954	0.91	8.93E-10	HC_vs_MS.Trt_B
SULT1B1	6.62E-14	0.40282	0.959	0.85	1.06E-09	HC_vs_MS.Trt_B
NPIP4	8.21E-14	0.39806	0.951	0.85	1.31E-09	HC_vs_MS.Trt_B
NOS1	9.60E-14	0.36716	0.719	0.52	1.53E-09	HC_vs_MS.Trt_B
CATSPERG	1.02E-13	0.28272	0.893	0.77	1.63E-09	HC_vs_MS.Trt_B
TBC1D8B	1.45E-13	0.26694	0.957	0.81	2.32E-09	HC_vs_MS.Trt_B
LILRA2	1.69E-13	0.3843	0.787	0.62	2.69E-09	HC_vs_MS.Trt_B
CD151	1.79E-13	0.34866	0.91	0.77	2.86E-09	HC_vs_MS.Trt_B
KDM2A	2.02E-13	0.427	0.907	0.78	3.22E-09	HC_vs_MS.Trt_B
RAB12	2.11E-13	2.45134	0.362	0.2	3.37E-09	HC_vs_MS.Trt_B
UVSSA	2.44E-13	1.00119	0.746	0.54	3.89E-09	HC_vs_MS.Trt_B
GCNT3	2.60E-13	0.40893	0.877	0.74	4.15E-09	HC_vs_MS.Trt_B
FBXL18	2.77E-13	0.41215	0.984	0.92	4.42E-09	HC_vs_MS.Trt_B
IKZF3	2.92E-13	0.38345	0.972	0.86	4.66E-09	HC_vs_MS.Trt_B
SGK3	3.29E-13	0.28196	0.906	0.77	5.26E-09	HC_vs_MS.Trt_B
FAM131A	3.51E-13	0.68253	0.806	0.6	5.60E-09	HC_vs_MS.Trt_B
ZNF396	3.88E-13	0.4256	0.867	0.68	6.20E-09	HC_vs_MS.Trt_B
P3H1	3.94E-13	0.65601	0.945	0.83	6.30E-09	HC_vs_MS.Trt_B



DTWD2	4.13E-13	0.59684	0.743	0.56	6.59E-09	HC_vs_MS.Trt_B
ZNF785	4.13E-13	0.66234	0.906	0.77	6.59E-09	HC_vs_MS.Trt_B
CLPB	4.46E-13	0.33977	0.957	0.88	7.13E-09	HC_vs_MS.Trt_B
PRPF3	4.80E-13	0.55896	0.859	0.74	7.66E-09	HC_vs_MS.Trt_B
TTC5	5.35E-13	0.67542	0.601	0.41	8.55E-09	HC_vs_MS.Trt_B
CHFR	6.51E-13	0.32847	0.936	0.82	1.04E-08	HC_vs_MS.Trt_B
LGMN	6.85E-13	0.68621	0.958	0.9	1.09E-08	HC_vs_MS.Trt_B
CFAP54	7.22E-13	0.30469	0.939	0.8	1.15E-08	HC_vs_MS.Trt_B
C5AR1	7.41E-13	0.32733	0.959	0.85	1.18E-08	HC_vs_MS.Trt_B
LETMD1	7.43E-13	0.32523	0.838	0.67	1.19E-08	HC_vs_MS.Trt_B
AACS	7.67E-13	0.3909	0.986	0.93	1.23E-08	HC_vs_MS.Trt_B
FAM83F	9.08E-13	0.377	0.87	0.73	1.45E-08	HC_vs_MS.Trt_B
TMEM41B	9.69E-13	0.672	0.806	0.66	1.55E-08	HC_vs_MS.Trt_B
EP300	9.84E-13	0.31649	0.707	0.51	1.57E-08	HC_vs_MS.Trt_B
ZNF567	9.93E-13	0.45958	0.868	0.69	1.59E-08	HC_vs_MS.Trt_B
HELB	1.03E-12	0.50959	0.899	0.77	1.64E-08	HC_vs_MS.Trt_B
SLC25A16	1.14E-12	0.33514	0.957	0.89	1.82E-08	HC_vs_MS.Trt_B
RPL37A	1.18E-12	0.30932	0.817	0.6	1.89E-08	HC_vs_MS.Trt_B
MRI1	1.30E-12	0.65951	0.719	0.57	2.07E-08	HC_vs_MS.Trt_B
ASB18	1.73E-12	0.52574	0.567	0.38	2.77E-08	HC_vs_MS.Trt_B
FLYWCH1	1.75E-12	0.44186	0.787	0.58	2.79E-08	HC_vs_MS.Trt_B
PHLDB1	1.75E-12	0.34603	0.942	0.88	2.80E-08	HC_vs_MS.Trt_B
TRIM22	1.83E-12	0.3106	0.951	0.8	2.92E-08	HC_vs_MS.Trt_B
SMCHD1	1.85E-12	0.33481	0.778	0.58	2.95E-08	HC_vs_MS.Trt_B
ZNF329	1.85E-12	0.26326	0.716	0.56	2.96E-08	HC_vs_MS.Trt_B
TOR3A	2.05E-12	0.51416	0.828	0.72	3.27E-08	HC_vs_MS.Trt_B
MLLT6	2.81E-12	0.5214	0.91	0.82	4.48E-08	HC_vs_MS.Trt_B
NPLOC4	2.85E-12	0.34253	0.952	0.85	4.55E-08	HC_vs_MS.Trt_B
SHISA9	2.90E-12	0.31	0.925	0.83	4.64E-08	HC_vs_MS.Trt_B
MARVELD3	3.17E-12	0.31661	0.867	0.72	5.07E-08	HC_vs_MS.Trt_B
COQ4	3.18E-12	0.30155	0.894	0.76	5.07E-08	HC_vs_MS.Trt_B
MPV17L	3.35E-12	0.32396	0.975	0.93	5.36E-08	HC_vs_MS.Trt_B
PAK2	3.38E-12	0.30091	0.745	0.54	5.40E-08	HC_vs_MS.Trt_B
DSTYK	3.40E-12	0.79459	0.816	0.66	5.42E-08	HC_vs_MS.Trt_B
ZFP36L2	3.58E-12	0.50791	0.533	0.33	5.72E-08	HC_vs_MS.Trt_B
TMEM212	3.76E-12	0.31425	0.942	0.83	6.01E-08	HC_vs_MS.Trt_B
RNF115	3.86E-12	0.32852	0.964	0.87	6.17E-08	HC_vs_MS.Trt_B
QPRT	4.48E-12	0.33988	0.92	0.81	7.15E-08	HC_vs_MS.Trt_B
DAGLB	4.88E-12	0.37412	0.828	0.65	7.79E-08	HC_vs_MS.Trt_B
FAM122C	6.11E-12	0.33358	0.901	0.8	9.76E-08	HC_vs_MS.Trt_B

BAG6	6.25E-12	0.29383	0.622	0.44	9.99E-08	HC_vs_MS.Trt_B
IQCC	6.36E-12	-0.4099	0.655	0.43	1.02E-07	HC_vs_MS.Trt_B
CNKSR3	6.52E-12	0.29572	0.975	0.92	1.04E-07	HC_vs_MS.Trt_B
FAXDC2	6.59E-12	0.5812	0.839	0.71	1.05E-07	HC_vs_MS.Trt_B
NAE1	6.63E-12	0.27003	0.761	0.57	1.06E-07	HC_vs_MS.Trt_B
ALDH7A1	7.29E-12	0.33143	0.991	0.94	1.16E-07	HC_vs_MS.Trt_B
LRCH3	7.32E-12	0.51112	0.97	0.92	1.17E-07	HC_vs_MS.Trt_B
CEP112	7.71E-12	0.31935	0.933	0.83	1.23E-07	HC_vs_MS.Trt_B
SUPV3L1	8.04E-12	0.26465	0.688	0.49	1.28E-07	HC_vs_MS.Trt_B
ALG9	8.04E-12	0.51026	0.875	0.71	1.28E-07	HC_vs_MS.Trt_B
NUCB2	8.79E-12	0.28784	0.971	0.89	1.40E-07	HC_vs_MS.Trt_B
NUPR1	8.89E-12	0.27365	0.941	0.86	1.42E-07	HC_vs_MS.Trt_B
NARF	8.98E-12	0.32901	0.959	0.87	1.43E-07	HC_vs_MS.Trt_B
TXNDC15	8.98E-12	0.4881	0.687	0.51	1.43E-07	HC_vs_MS.Trt_B
FLRT2	9.38E-12	0.35452	0.92	0.85	1.50E-07	HC_vs_MS.Trt_B
ZNF26	1.00E-11	0.29471	0.996	0.95	1.60E-07	HC_vs_MS.Trt_B
CRLF3	1.01E-11	0.4532	0.933	0.78	1.61E-07	HC_vs_MS.Trt_B
FKBP14	1.01E-11	0.54696	0.629	0.44	1.62E-07	HC_vs_MS.Trt_B
FUT2	1.05E-11	0.41232	0.741	0.56	1.68E-07	HC_vs_MS.Trt_B
LYN	1.15E-11	0.29119	0.587	0.39	1.84E-07	HC_vs_MS.Trt_B
AP1S3	1.31E-11	0.36371	0.904	0.79	2.10E-07	HC_vs_MS.Trt_B
PSMA6	1.44E-11	0.27605	0.93	0.78	2.29E-07	HC_vs_MS.Trt_B
CORO7	1.49E-11	0.3442	0.858	0.7	2.38E-07	HC_vs_MS.Trt_B
C1orf56	1.57E-11	-0.8451	0.872	0.91	2.51E-07	HC_vs_MS.Trt_B
NPIP5	1.59E-11	0.30751	0.926	0.78	2.54E-07	HC_vs_MS.Trt_B
NCBP3	1.73E-11	0.38908	0.877	0.73	2.77E-07	HC_vs_MS.Trt_B
NDRG2	1.76E-11	0.27828	0.851	0.72	2.81E-07	HC_vs_MS.Trt_B
ATP10B	1.84E-11	0.41366	0.716	0.54	2.94E-07	HC_vs_MS.Trt_B
RPL7	1.97E-11	-0.4567	0.926	0.9	3.15E-07	HC_vs_MS.Trt_B
GTSE1	1.99E-11	0.29916	0.568	0.36	3.18E-07	HC_vs_MS.Trt_B
MYLK3	2.00E-11	0.27858	0.922	0.81	3.19E-07	HC_vs_MS.Trt_B
FECH	2.00E-11	0.5834	0.696	0.51	3.20E-07	HC_vs_MS.Trt_B
ARL17A	2.03E-11	0.76624	0.691	0.5	3.24E-07	HC_vs_MS.Trt_B
TMEM181	2.15E-11	0.30231	0.504	0.29	3.44E-07	HC_vs_MS.Trt_B
CNR2	2.22E-11	0.40606	0.799	0.65	3.55E-07	HC_vs_MS.Trt_B
OPA3	2.22E-11	0.51739	0.978	0.9	3.55E-07	HC_vs_MS.Trt_B
TMEM63A	2.52E-11	0.42117	0.784	0.6	4.03E-07	HC_vs_MS.Trt_B
SZT2	2.72E-11	0.5528	0.849	0.68	4.34E-07	HC_vs_MS.Trt_B
SWSAP1	2.90E-11	0.28038	0.72	0.56	4.63E-07	HC_vs_MS.Trt_B
FAM63B	2.91E-11	0.90374	0.796	0.62	4.65E-07	HC_vs_MS.Trt_B

PRELP	2.94E-11	0.25282	0.738	0.53	4.70E-07	HC_vs_MS.Trt_B
PLA2G7	3.06E-11	0.82743	0.594	0.41	4.89E-07	HC_vs_MS.Trt_B
EMC1	3.14E-11	0.5723	0.814	0.65	5.02E-07	HC_vs_MS.Trt_B
TTYH1	3.20E-11	-0.316	0.625	0.45	5.10E-07	HC_vs_MS.Trt_B
RGPD6	3.73E-11	0.4908	0.588	0.38	5.97E-07	HC_vs_MS.Trt_B
HOOK3	3.84E-11	0.55239	0.935	0.85	6.14E-07	HC_vs_MS.Trt_B
CLN5	3.92E-11	0.25877	0.962	0.86	6.26E-07	HC_vs_MS.Trt_B
CLSPN	3.97E-11	0.29409	0.854	0.72	6.34E-07	HC_vs_MS.Trt_B
MED28	4.10E-11	0.50825	0.855	0.74	6.55E-07	HC_vs_MS.Trt_B
PKNOX1	4.24E-11	0.3171	0.77	0.63	6.78E-07	HC_vs_MS.Trt_B
FFAR2	4.31E-11	0.28135	0.758	0.59	6.88E-07	HC_vs_MS.Trt_B
WTIP	4.35E-11	0.32256	0.964	0.9	6.95E-07	HC_vs_MS.Trt_B
SIGLEC10	4.41E-11	0.46871	0.623	0.44	7.05E-07	HC_vs_MS.Trt_B
C10orf11	4.56E-11	0.33189	0.959	0.9	7.29E-07	HC_vs_MS.Trt_B
KIFC3	4.74E-11	0.3274	0.67	0.47	7.57E-07	HC_vs_MS.Trt_B
RPL34	4.78E-11	-0.6912	0.958	0.94	7.63E-07	HC_vs_MS.Trt_B
HINFP	4.82E-11	0.47535	0.99	0.95	7.71E-07	HC_vs_MS.Trt_B
PCDHA4	4.93E-11	0.40003	0.904	0.79	7.87E-07	HC_vs_MS.Trt_B
ZNF891	5.02E-11	0.4102	0.958	0.88	8.01E-07	HC_vs_MS.Trt_B
TARSL2	5.05E-11	0.34928	0.97	0.89	8.06E-07	HC_vs_MS.Trt_B
FAM213A	5.05E-11	0.47431	0.807	0.64	8.06E-07	HC_vs_MS.Trt_B
STRBP	5.15E-11	0.53205	0.63	0.45	8.22E-07	HC_vs_MS.Trt_B
IRF1	5.34E-11	0.45566	0.888	0.79	8.53E-07	HC_vs_MS.Trt_B
P2RX5-TAX1	5.40E-11	0.40819	0.857	0.71	8.63E-07	HC_vs_MS.Trt_B
SIK2	5.95E-11	0.38443	0.684	0.53	9.50E-07	HC_vs_MS.Trt_B
CES3	6.15E-11	0.52121	0.309	0.14	9.82E-07	HC_vs_MS.Trt_B
TRDMT1	6.41E-11	0.37371	0.726	0.54	1.02E-06	HC_vs_MS.Trt_B
EIF1AY	6.49E-11	0.50705	0.609	0.45	1.04E-06	HC_vs_MS.Trt_B
LRRC37A3	6.68E-11	1.01862	0.528	0.36	1.07E-06	HC_vs_MS.Trt_B
ZNF829	6.88E-11	0.37001	0.877	0.76	1.10E-06	HC_vs_MS.Trt_B
ZNF37A	7.02E-11	0.38727	0.874	0.75	1.12E-06	HC_vs_MS.Trt_B
ATCAY	7.40E-11	0.31277	0.897	0.8	1.18E-06	HC_vs_MS.Trt_B
HFE	7.42E-11	0.36275	0.683	0.5	1.19E-06	HC_vs_MS.Trt_B
CHAF1B	7.61E-11	0.35715	0.932	0.8	1.22E-06	HC_vs_MS.Trt_B
PCDHB1	8.59E-11	0.34247	0.778	0.66	1.37E-06	HC_vs_MS.Trt_B
ZNF496	9.27E-11	0.26686	0.681	0.48	1.48E-06	HC_vs_MS.Trt_B
GTF2IRD2	9.31E-11	0.3442	0.954	0.86	1.49E-06	HC_vs_MS.Trt_B
CPAMD8	9.48E-11	0.33672	0.699	0.51	1.51E-06	HC_vs_MS.Trt_B
APBA3	9.68E-11	0.26877	0.746	0.56	1.55E-06	HC_vs_MS.Trt_B
TAOK1	9.74E-11	0.79119	0.906	0.81	1.56E-06	HC_vs_MS.Trt_B

C16orf87	9.90E-11	0.36758	0.761	0.63	1.58E-06	HC_vs_MS.Trt_B
SAR1A	9.93E-11	0.30197	0.709	0.54	1.59E-06	HC_vs_MS.Trt_B
PCSK1N	9.94E-11	0.43862	0.372	0.2	1.59E-06	HC_vs_MS.Trt_B
RPS19	1.00E-10	-0.6042	0.933	0.91	1.60E-06	HC_vs_MS.Trt_B
RHOH	1.02E-10	0.40501	0.861	0.72	1.63E-06	HC_vs_MS.Trt_B
SYT5	1.10E-10	0.3884	0.696	0.54	1.76E-06	HC_vs_MS.Trt_B
ZNF431	1.16E-10	0.31136	0.987	0.94	1.85E-06	HC_vs_MS.Trt_B
ANKLE2	1.18E-10	0.30513	0.984	0.95	1.88E-06	HC_vs_MS.Trt_B
ARHGAP8	1.26E-10	0.3244	0.741	0.55	2.01E-06	HC_vs_MS.Trt_B
TSPAN14	1.32E-10	0.27612	0.972	0.91	2.11E-06	HC_vs_MS.Trt_B
KLF3	1.34E-10	0.32788	0.639	0.46	2.15E-06	HC_vs_MS.Trt_B
DACT3	1.36E-10	0.26389	0.955	0.91	2.17E-06	HC_vs_MS.Trt_B
RBMS2	1.36E-10	0.38947	0.861	0.73	2.17E-06	HC_vs_MS.Trt_B
ZC3H12D	1.39E-10	0.35725	0.812	0.65	2.22E-06	HC_vs_MS.Trt_B
BCL11B	1.40E-10	0.41986	0.493	0.29	2.24E-06	HC_vs_MS.Trt_B
GGA2	1.43E-10	0.45851	0.658	0.48	2.28E-06	HC_vs_MS.Trt_B
LCTL	1.47E-10	0.3498	0.606	0.44	2.34E-06	HC_vs_MS.Trt_B
AP006285.1	1.47E-10	0.26907	0.791	0.63	2.35E-06	HC_vs_MS.Trt_B
EIF2AK2	1.52E-10	0.63583	0.825	0.68	2.43E-06	HC_vs_MS.Trt_B
MOCS3	1.52E-10	0.27521	0.822	0.69	2.43E-06	HC_vs_MS.Trt_B
ARPIN	1.59E-10	0.34151	0.87	0.76	2.53E-06	HC_vs_MS.Trt_B
ARID1B	1.64E-10	0.34458	0.946	0.86	2.63E-06	HC_vs_MS.Trt_B
EXPH5	1.65E-10	0.35482	0.7	0.56	2.64E-06	HC_vs_MS.Trt_B
ZNF200	1.75E-10	0.38928	0.774	0.63	2.79E-06	HC_vs_MS.Trt_B
SCAP	1.78E-10	0.54301	0.617	0.43	2.84E-06	HC_vs_MS.Trt_B
LRIG2	1.78E-10	0.28175	0.912	0.83	2.85E-06	HC_vs_MS.Trt_B
SH3GL1	1.81E-10	0.56933	0.759	0.63	2.89E-06	HC_vs_MS.Trt_B
CTC-487M23	1.82E-10	0.4206	0.917	0.85	2.91E-06	HC_vs_MS.Trt_B
LAIR1	1.86E-10	1.14377	0.857	0.77	2.97E-06	HC_vs_MS.Trt_B
FUT11	1.97E-10	1.11633	0.757	0.6	3.15E-06	HC_vs_MS.Trt_B
CCZ1B	2.00E-10	0.59833	0.712	0.53	3.19E-06	HC_vs_MS.Trt_B
SLC13A5	2.19E-10	0.34419	0.746	0.56	3.50E-06	HC_vs_MS.Trt_B
UBA1	2.25E-10	0.26727	0.762	0.61	3.60E-06	HC_vs_MS.Trt_B
SEC22C	2.40E-10	0.58876	0.691	0.52	3.84E-06	HC_vs_MS.Trt_B
MPRIP	2.44E-10	0.29134	0.936	0.83	3.90E-06	HC_vs_MS.Trt_B
DNAL1	2.46E-10	0.48696	0.919	0.82	3.93E-06	HC_vs_MS.Trt_B
ZKSCAN3	2.46E-10	0.69939	0.807	0.68	3.94E-06	HC_vs_MS.Trt_B
ZNF90	2.50E-10	0.37929	0.88	0.71	4.00E-06	HC_vs_MS.Trt_B
GPR141	2.56E-10	0.37569	0.509	0.31	4.09E-06	HC_vs_MS.Trt_B
SPN	2.66E-10	0.41583	0.98	0.93	4.25E-06	HC_vs_MS.Trt_B

EHMT1	2.70E-10	0.28046	0.941	0.83	4.31E-06	HC_vs_MS.Trt_B
QPCTL	2.74E-10	0.30275	0.742	0.6	4.38E-06	HC_vs_MS.Trt_B
GLTSCR2	2.92E-10	0.40086	0.849	0.73	4.66E-06	HC_vs_MS.Trt_B
GNL3L	3.03E-10	0.33597	0.928	0.82	4.84E-06	HC_vs_MS.Trt_B
EVI5	3.05E-10	0.39809	0.828	0.67	4.87E-06	HC_vs_MS.Trt_B
SHOX	3.24E-10	0.3164	0.839	0.72	5.17E-06	HC_vs_MS.Trt_B
HNRNPH1	3.29E-10	-0.7841	0.99	0.99	5.26E-06	HC_vs_MS.Trt_B
INTS1	3.30E-10	1.27456	0.413	0.24	5.27E-06	HC_vs_MS.Trt_B
GTPBP10	3.34E-10	-0.3083	0.787	0.65	5.33E-06	HC_vs_MS.Trt_B
MRPL3	3.37E-10	0.45245	0.548	0.38	5.38E-06	HC_vs_MS.Trt_B
POLD4	3.40E-10	0.25241	0.797	0.65	5.43E-06	HC_vs_MS.Trt_B
PHC3	3.42E-10	0.30144	0.958	0.88	5.46E-06	HC_vs_MS.Trt_B
DIP2A	3.49E-10	0.32394	0.826	0.66	5.58E-06	HC_vs_MS.Trt_B
TLDC1	3.55E-10	0.60361	0.762	0.59	5.67E-06	HC_vs_MS.Trt_B
TBC1D15	3.55E-10	0.67735	0.572	0.38	5.67E-06	HC_vs_MS.Trt_B
HACD3	3.65E-10	-0.261	0.784	0.58	5.84E-06	HC_vs_MS.Trt_B
ADGRE2	3.67E-10	0.44147	0.757	0.59	5.86E-06	HC_vs_MS.Trt_B
NDE1	3.69E-10	0.58033	0.717	0.53	5.89E-06	HC_vs_MS.Trt_B
GFPT1	3.77E-10	0.96528	0.706	0.55	6.02E-06	HC_vs_MS.Trt_B
KAZN	3.79E-10	0.35208	0.47	0.29	6.05E-06	HC_vs_MS.Trt_B
SCAI	3.90E-10	0.25611	0.832	0.72	6.23E-06	HC_vs_MS.Trt_B
TBC1D1	4.13E-10	0.35298	0.616	0.43	6.60E-06	HC_vs_MS.Trt_B
NT5C2	4.31E-10	0.55275	0.735	0.59	6.88E-06	HC_vs_MS.Trt_B
PPP2CA	4.31E-10	0.62455	0.691	0.56	6.89E-06	HC_vs_MS.Trt_B
CA5A	4.38E-10	0.27361	0.977	0.92	6.99E-06	HC_vs_MS.Trt_B
L3MBTL2	4.46E-10	0.47234	0.783	0.6	7.13E-06	HC_vs_MS.Trt_B
CDK13	4.53E-10	0.57912	0.825	0.73	7.23E-06	HC_vs_MS.Trt_B
ABL2	4.55E-10	0.43541	0.787	0.57	7.26E-06	HC_vs_MS.Trt_B
MED9	4.64E-10	0.39654	0.59	0.4	7.41E-06	HC_vs_MS.Trt_B
MED18	5.28E-10	0.52527	0.642	0.45	8.44E-06	HC_vs_MS.Trt_B
CXorf23	5.39E-10	0.52312	0.741	0.56	8.61E-06	HC_vs_MS.Trt_B
CTRC	5.51E-10	0.34409	0.688	0.54	8.80E-06	HC_vs_MS.Trt_B
SCRG1	5.68E-10	0.32593	0.714	0.57	9.07E-06	HC_vs_MS.Trt_B
DDB1	5.82E-10	0.4127	0.901	0.76	9.29E-06	HC_vs_MS.Trt_B
MT-ND4	6.41E-10	-0.5335	0.99	0.99	1.02E-05	HC_vs_MS.Trt_B
ACTA2	6.49E-10	0.58878	0.638	0.48	1.04E-05	HC_vs_MS.Trt_B
RNF44	6.63E-10	0.34583	0.37	0.22	1.06E-05	HC_vs_MS.Trt_B
GPR137C	6.72E-10	0.29761	0.599	0.43	1.07E-05	HC_vs_MS.Trt_B
TMEM138	6.87E-10	0.29431	0.855	0.73	1.10E-05	HC_vs_MS.Trt_B
CFLAR	6.91E-10	0.25078	1	0.99	1.10E-05	HC_vs_MS.Trt_B

PRDM7	6.97E-10	0.38277	0.509	0.34	1.11E-05	HC_vs_MS.Trt_B
CPM	7.03E-10	0.45952	0.803	0.64	1.12E-05	HC_vs_MS.Trt_B
ARSD	7.20E-10	0.45691	0.822	0.68	1.15E-05	HC_vs_MS.Trt_B
SMARCC2	7.22E-10	0.28978	0.884	0.73	1.15E-05	HC_vs_MS.Trt_B
MR1	7.29E-10	0.30098	0.913	0.78	1.16E-05	HC_vs_MS.Trt_B
CACNB4	7.41E-10	0.37622	0.858	0.74	1.18E-05	HC_vs_MS.Trt_B
ANKH	7.50E-10	0.25769	0.619	0.44	1.20E-05	HC_vs_MS.Trt_B
PAAF1	7.52E-10	0.27889	0.949	0.87	1.20E-05	HC_vs_MS.Trt_B
LIN28A	7.54E-10	0.26403	0.741	0.59	1.20E-05	HC_vs_MS.Trt_B
TINF2	8.09E-10	0.50607	0.83	0.69	1.29E-05	HC_vs_MS.Trt_B
NAIP	8.22E-10	0.8733	0.675	0.51	1.31E-05	HC_vs_MS.Trt_B
NFS1	8.32E-10	0.46009	0.886	0.78	1.33E-05	HC_vs_MS.Trt_B
MACC1	8.35E-10	0.41896	0.672	0.52	1.33E-05	HC_vs_MS.Trt_B
DDX6	8.40E-10	0.29901	0.972	0.93	1.34E-05	HC_vs_MS.Trt_B
SLFN5	8.43E-10	0.44594	0.88	0.76	1.35E-05	HC_vs_MS.Trt_B
SLC9A7	8.43E-10	0.41617	0.938	0.83	1.35E-05	HC_vs_MS.Trt_B
MSI2	8.54E-10	0.45544	0.83	0.72	1.36E-05	HC_vs_MS.Trt_B
IL6R	8.84E-10	0.32543	0.6	0.43	1.41E-05	HC_vs_MS.Trt_B
PCDHA10	8.90E-10	0.30418	0.538	0.36	1.42E-05	HC_vs_MS.Trt_B
TEX9	9.04E-10	0.27422	0.752	0.57	1.44E-05	HC_vs_MS.Trt_B
ZGRF1	9.06E-10	0.6413	0.755	0.59	1.45E-05	HC_vs_MS.Trt_B
WEE1	9.10E-10	0.38613	0.684	0.51	1.45E-05	HC_vs_MS.Trt_B
LRRC37B	9.26E-10	0.58399	0.619	0.44	1.48E-05	HC_vs_MS.Trt_B
GSDMD	9.66E-10	0.2686	0.794	0.62	1.54E-05	HC_vs_MS.Trt_B
C15orf59	9.75E-10	0.38553	0.654	0.5	1.56E-05	HC_vs_MS.Trt_B
ADAT1	1.01E-09	0.45798	0.671	0.53	1.61E-05	HC_vs_MS.Trt_B
KCNK6	1.02E-09	0.29898	0.959	0.88	1.64E-05	HC_vs_MS.Trt_B
AP4S1	1.04E-09	0.39958	0.93	0.85	1.66E-05	HC_vs_MS.Trt_B
CSF2RA	1.08E-09	0.26181	0.984	0.92	1.72E-05	HC_vs_MS.Trt_B
SUN3	1.10E-09	0.35144	0.387	0.22	1.76E-05	HC_vs_MS.Trt_B
PPARA	1.11E-09	0.47967	0.904	0.81	1.77E-05	HC_vs_MS.Trt_B
TF	1.11E-09	0.37677	0.888	0.8	1.78E-05	HC_vs_MS.Trt_B
ADAMTS4	1.12E-09	0.57733	0.896	0.76	1.79E-05	HC_vs_MS.Trt_B
TMEM170A	1.12E-09	0.80794	0.81	0.71	1.79E-05	HC_vs_MS.Trt_B
PLA2G15	1.13E-09	0.37665	0.78	0.63	1.81E-05	HC_vs_MS.Trt_B
CXorf38	1.14E-09	0.63979	0.836	0.71	1.82E-05	HC_vs_MS.Trt_B
ZNF169	1.14E-09	0.37762	0.832	0.7	1.82E-05	HC_vs_MS.Trt_B
EDRF1	1.15E-09	0.65402	0.626	0.44	1.84E-05	HC_vs_MS.Trt_B
TRAF3IP2	1.17E-09	0.78442	0.886	0.77	1.87E-05	HC_vs_MS.Trt_B
HCAR1	1.19E-09	0.33276	0.868	0.74	1.90E-05	HC_vs_MS.Trt_B

SLITRK2	1.20E-09	0.42809	0.335	0.17	1.91E-05	HC_vs_MS.Trt_B
FGD4	1.23E-09	0.32876	0.82	0.63	1.97E-05	HC_vs_MS.Trt_B
EREG	1.24E-09	-0.7385	0.761	0.6	1.98E-05	HC_vs_MS.Trt_B
RPS26	1.25E-09	-0.412	0.661	0.68	1.99E-05	HC_vs_MS.Trt_B
MYH11	1.25E-09	0.42805	0.917	0.85	2.00E-05	HC_vs_MS.Trt_B
NICN1	1.42E-09	0.55216	0.77	0.6	2.26E-05	HC_vs_MS.Trt_B
ATG7	1.56E-09	0.60292	0.561	0.36	2.50E-05	HC_vs_MS.Trt_B
RAD51C	1.57E-09	0.33665	0.909	0.79	2.51E-05	HC_vs_MS.Trt_B
GCSAML	1.59E-09	0.32593	0.328	0.17	2.54E-05	HC_vs_MS.Trt_B
TIAM2	1.59E-09	0.30243	0.799	0.64	2.54E-05	HC_vs_MS.Trt_B
IFT80	1.60E-09	0.49827	0.765	0.63	2.56E-05	HC_vs_MS.Trt_B
AP3S2	1.63E-09	0.32462	0.694	0.55	2.61E-05	HC_vs_MS.Trt_B
SUGT1	1.63E-09	0.49231	0.903	0.8	2.61E-05	HC_vs_MS.Trt_B
FBXL4	1.64E-09	1.05214	0.554	0.39	2.63E-05	HC_vs_MS.Trt_B
GADL1	1.66E-09	0.37092	0.622	0.46	2.65E-05	HC_vs_MS.Trt_B
RP11-47I22.1	1.74E-09	0.37394	0.596	0.42	2.78E-05	HC_vs_MS.Trt_B
PUS1	1.78E-09	0.53664	0.855	0.7	2.85E-05	HC_vs_MS.Trt_B
CERCAM	1.86E-09	0.28205	0.981	0.94	2.97E-05	HC_vs_MS.Trt_B
SLC35E1	1.87E-09	0.41183	0.975	0.91	2.98E-05	HC_vs_MS.Trt_B
SPATS2L	1.87E-09	0.51432	0.941	0.86	2.98E-05	HC_vs_MS.Trt_B
P2RX7	1.95E-09	0.56678	0.749	0.59	3.12E-05	HC_vs_MS.Trt_B
CTCFL	1.96E-09	0.27399	0.825	0.68	3.12E-05	HC_vs_MS.Trt_B
SPATA6L	2.02E-09	0.47499	0.781	0.63	3.22E-05	HC_vs_MS.Trt_B
CNOT1	2.03E-09	0.2756	0.806	0.64	3.24E-05	HC_vs_MS.Trt_B
PAX6	2.05E-09	0.71289	0.397	0.24	3.27E-05	HC_vs_MS.Trt_B
IPCEF1	2.07E-09	0.34061	0.53	0.37	3.31E-05	HC_vs_MS.Trt_B
ISG20L2	2.09E-09	0.26114	0.803	0.64	3.33E-05	HC_vs_MS.Trt_B
BRI3BP	2.09E-09	0.67615	0.846	0.69	3.34E-05	HC_vs_MS.Trt_B
HSD17B4	2.10E-09	0.26741	0.642	0.48	3.35E-05	HC_vs_MS.Trt_B
SSTR2	2.13E-09	0.27775	0.91	0.82	3.41E-05	HC_vs_MS.Trt_B
PTCD3	2.14E-09	0.32314	0.912	0.77	3.42E-05	HC_vs_MS.Trt_B
ZNF233	2.22E-09	0.51562	0.467	0.32	3.55E-05	HC_vs_MS.Trt_B
AC004824.1	2.23E-09	0.31228	0.416	0.25	3.57E-05	HC_vs_MS.Trt_B
TMEM213	2.32E-09	0.25626	0.816	0.67	3.71E-05	HC_vs_MS.Trt_B
DNASE1	2.37E-09	0.34115	0.9	0.8	3.78E-05	HC_vs_MS.Trt_B
RPS3A	2.39E-09	-0.3727	0.938	0.92	3.82E-05	HC_vs_MS.Trt_B
TADA2A	2.45E-09	0.7383	0.87	0.78	3.91E-05	HC_vs_MS.Trt_B
EML1	2.50E-09	0.31905	0.719	0.55	3.99E-05	HC_vs_MS.Trt_B
TCEANC2	2.70E-09	0.36426	0.881	0.75	4.32E-05	HC_vs_MS.Trt_B
ACP7	2.71E-09	0.37095	0.472	0.31	4.33E-05	HC_vs_MS.Trt_B

HIF3A	2.72E-09	0.31945	0.864	0.74	4.34E-05	HC_vs_MS.Trt_B
APOL6	2.76E-09	0.77095	0.843	0.73	4.41E-05	HC_vs_MS.Trt_B
LIMS1	2.79E-09	0.42171	0.884	0.78	4.45E-05	HC_vs_MS.Trt_B
WFDC1	2.89E-09	0.2812	0.79	0.65	4.62E-05	HC_vs_MS.Trt_B
DYNLT3	2.91E-09	0.5643	0.662	0.5	4.64E-05	HC_vs_MS.Trt_B
PCNX4	2.93E-09	0.36218	0.877	0.75	4.67E-05	HC_vs_MS.Trt_B
CDC5L	2.95E-09	0.39914	0.59	0.4	4.71E-05	HC_vs_MS.Trt_B
LPO	2.97E-09	0.53247	0.61	0.46	4.74E-05	HC_vs_MS.Trt_B
ANKS4B	3.00E-09	0.28091	0.628	0.45	4.79E-05	HC_vs_MS.Trt_B
PDS5A	3.00E-09	0.28649	0.754	0.59	4.79E-05	HC_vs_MS.Trt_B
PIGL	3.06E-09	0.29817	0.674	0.5	4.89E-05	HC_vs_MS.Trt_B
R3HDM4	3.18E-09	0.40631	0.555	0.36	5.08E-05	HC_vs_MS.Trt_B
TRIM66	3.19E-09	0.48861	0.493	0.32	5.10E-05	HC_vs_MS.Trt_B
FAM175A	3.31E-09	0.28901	0.852	0.71	5.29E-05	HC_vs_MS.Trt_B
MRPS33	3.33E-09	0.41266	0.916	0.83	5.32E-05	HC_vs_MS.Trt_B
HAUS2	3.37E-09	0.47167	0.794	0.67	5.38E-05	HC_vs_MS.Trt_B
PRR19	3.43E-09	0.33685	0.693	0.54	5.47E-05	HC_vs_MS.Trt_B
CYP4F8	3.51E-09	0.35003	0.771	0.63	5.61E-05	HC_vs_MS.Trt_B
IL17RA	3.55E-09	0.44716	0.652	0.5	5.66E-05	HC_vs_MS.Trt_B
ZNF385A	3.67E-09	0.32156	0.696	0.52	5.85E-05	HC_vs_MS.Trt_B
ATP5S	3.70E-09	0.44066	0.888	0.79	5.91E-05	HC_vs_MS.Trt_B
PCBD2	3.75E-09	0.47775	0.799	0.67	5.99E-05	HC_vs_MS.Trt_B
HTRA4	3.76E-09	0.39633	0.455	0.28	6.00E-05	HC_vs_MS.Trt_B
SYT12	3.80E-09	0.315	0.716	0.55	6.07E-05	HC_vs_MS.Trt_B
MMAB	3.83E-09	-0.251	0.664	0.47	6.11E-05	HC_vs_MS.Trt_B
FILIP1L	3.87E-09	1.02535	0.39	0.23	6.18E-05	HC_vs_MS.Trt_B
CYP2C19	4.08E-09	0.35651	0.719	0.56	6.52E-05	HC_vs_MS.Trt_B
CCNI	4.11E-09	0.28789	0.822	0.67	6.57E-05	HC_vs_MS.Trt_B
LRRC74B	4.15E-09	0.34298	0.748	0.59	6.63E-05	HC_vs_MS.Trt_B
WDR66	4.25E-09	0.28946	0.948	0.89	6.78E-05	HC_vs_MS.Trt_B
EFTUD2	4.44E-09	0.37188	0.836	0.7	7.09E-05	HC_vs_MS.Trt_B
KANSL1	4.57E-09	0.90522	0.707	0.56	7.29E-05	HC_vs_MS.Trt_B
KCNMB1	4.57E-09	0.28223	0.69	0.52	7.31E-05	HC_vs_MS.Trt_B
EIF4EBP2	4.58E-09	0.43931	0.628	0.45	7.31E-05	HC_vs_MS.Trt_B
CAPS2	4.60E-09	0.45366	0.452	0.29	7.34E-05	HC_vs_MS.Trt_B
INPP5B	4.62E-09	0.30383	0.942	0.86	7.38E-05	HC_vs_MS.Trt_B
GINS3	4.73E-09	0.34621	0.849	0.75	7.55E-05	HC_vs_MS.Trt_B
ZNF70	4.85E-09	0.3413	0.829	0.71	7.74E-05	HC_vs_MS.Trt_B
KLHL6	4.85E-09	0.62987	0.729	0.59	7.75E-05	HC_vs_MS.Trt_B
DHRX	4.94E-09	0.27842	0.725	0.58	7.90E-05	HC_vs_MS.Trt_B



RCL1	4.98E-09	0.6374	0.5	0.33	7.95E-05	HC_vs_MS.Trt_B
SEC63	5.07E-09	0.26228	0.636	0.46	8.09E-05	HC_vs_MS.Trt_B
DECR2	5.10E-09	0.58981	0.801	0.64	8.14E-05	HC_vs_MS.Trt_B
ZNFX1	5.18E-09	0.33062	0.814	0.65	8.28E-05	HC_vs_MS.Trt_B
SPC25	5.20E-09	0.47635	0.677	0.52	8.31E-05	HC_vs_MS.Trt_B
ZNF724	5.26E-09	0.54981	0.899	0.78	8.41E-05	HC_vs_MS.Trt_B
FMNL1	5.36E-09	0.61348	0.701	0.56	8.55E-05	HC_vs_MS.Trt_B
MATN2	5.40E-09	0.30479	0.58	0.41	8.62E-05	HC_vs_MS.Trt_B
PCDHGA8	5.41E-09	0.37904	0.596	0.46	8.65E-05	HC_vs_MS.Trt_B
BPTF	5.51E-09	0.29078	0.807	0.69	8.80E-05	HC_vs_MS.Trt_B
KIF1B	5.53E-09	0.3575	0.788	0.66	8.84E-05	HC_vs_MS.Trt_B
ARHGEF9	5.55E-09	0.32144	0.571	0.42	8.86E-05	HC_vs_MS.Trt_B
HKR1	5.61E-09	0.40313	0.967	0.9	8.96E-05	HC_vs_MS.Trt_B
DFFB	5.65E-09	0.33376	0.807	0.66	9.02E-05	HC_vs_MS.Trt_B
RGMA	5.94E-09	0.44222	0.652	0.49	9.48E-05	HC_vs_MS.Trt_B
HTR3B	5.95E-09	0.28338	0.632	0.48	9.51E-05	HC_vs_MS.Trt_B
ZNF805	6.06E-09	0.3376	0.739	0.6	9.69E-05	HC_vs_MS.Trt_B
OR52A1	6.09E-09	0.29754	0.749	0.63	9.73E-05	HC_vs_MS.Trt_B
RPL18A	6.47E-09	-0.4209	0.914	0.88	1.03E-04	HC_vs_MS.Trt_B
OLA1	6.51E-09	0.43077	0.455	0.28	1.04E-04	HC_vs_MS.Trt_B
SHCBP1	6.52E-09	0.42873	0.707	0.55	1.04E-04	HC_vs_MS.Trt_B
LYPD5	6.56E-09	0.33583	0.699	0.55	1.05E-04	HC_vs_MS.Trt_B
METTL8	7.01E-09	0.49037	0.916	0.82	1.12E-04	HC_vs_MS.Trt_B
SEMA3C	7.08E-09	0.42225	0.662	0.5	1.13E-04	HC_vs_MS.Trt_B
ZNF549	7.27E-09	0.51765	0.688	0.54	1.16E-04	HC_vs_MS.Trt_B
MXRA7	7.32E-09	0.66135	0.78	0.65	1.17E-04	HC_vs_MS.Trt_B
TSEN2	7.58E-09	0.38794	0.881	0.74	1.21E-04	HC_vs_MS.Trt_B
HACD2	7.67E-09	0.30894	0.939	0.83	1.23E-04	HC_vs_MS.Trt_B
AFF3	7.80E-09	0.6136	0.748	0.6	1.25E-04	HC_vs_MS.Trt_B
ALDH3B1	8.13E-09	0.27524	0.735	0.57	1.30E-04	HC_vs_MS.Trt_B
FBXO22	8.13E-09	-0.4456	0.765	0.62	1.30E-04	HC_vs_MS.Trt_B
DET1	8.31E-09	0.51787	0.536	0.36	1.33E-04	HC_vs_MS.Trt_B
ZNF141	8.47E-09	0.5057	0.968	0.92	1.35E-04	HC_vs_MS.Trt_B
ETFDH	8.50E-09	0.39498	0.714	0.56	1.36E-04	HC_vs_MS.Trt_B
POU5F2	8.54E-09	0.2562	0.678	0.51	1.36E-04	HC_vs_MS.Trt_B
SKA1	8.66E-09	0.34993	0.677	0.52	1.38E-04	HC_vs_MS.Trt_B
ADCY7	9.28E-09	0.41133	0.765	0.62	1.48E-04	HC_vs_MS.Trt_B
GMEB1	9.40E-09	0.31362	0.803	0.64	1.50E-04	HC_vs_MS.Trt_B
HIF1A	9.41E-09	0.55308	0.914	0.8	1.50E-04	HC_vs_MS.Trt_B
ZNF3	9.77E-09	0.41367	0.742	0.58	1.56E-04	HC_vs_MS.Trt_B

SS18	1.01E-08	0.63631	0.596	0.43	1.61E-04	HC_vs_MS.Trt_B
POU6F1	1.03E-08	0.79532	0.522	0.37	1.65E-04	HC_vs_MS.Trt_B
ZNF770	1.08E-08	1.0773	0.322	0.17	1.72E-04	HC_vs_MS.Trt_B
MECOM	1.11E-08	0.48736	0.378	0.21	0.000178	HC_vs_MS.Trt_B
MAVS	1.12E-08	0.53571	0.935	0.84	1.79E-04	HC_vs_MS.Trt_B
METTL6	1.17E-08	0.32573	0.878	0.78	1.88E-04	HC_vs_MS.Trt_B
ABCG8	1.18E-08	0.25993	0.614	0.46	1.88E-04	HC_vs_MS.Trt_B
ARHGEF39	1.19E-08	0.91844	0.648	0.5	1.89E-04	HC_vs_MS.Trt_B
PDDC1	1.20E-08	0.25851	0.941	0.86	1.91E-04	HC_vs_MS.Trt_B
CSTF1	1.20E-08	0.2829	0.771	0.65	1.91E-04	HC_vs_MS.Trt_B
ORAOV1	1.23E-08	0.83643	0.694	0.53	1.97E-04	HC_vs_MS.Trt_B
HM13	1.28E-08	0.45292	0.83	0.72	2.04E-04	HC_vs_MS.Trt_B
CYB561A3	1.31E-08	0.25447	0.981	0.93	2.09E-04	HC_vs_MS.Trt_B
PCSK5	1.32E-08	-0.3359	0.97	0.88	2.11E-04	HC_vs_MS.Trt_B
AC013461.1	1.35E-08	0.35714	0.81	0.67	2.16E-04	HC_vs_MS.Trt_B
MED24	1.36E-08	-0.2899	0.622	0.46	2.17E-04	HC_vs_MS.Trt_B
VASP	1.37E-08	0.91296	0.562	0.41	2.18E-04	HC_vs_MS.Trt_B
RAB3B	1.38E-08	0.28748	0.745	0.57	2.20E-04	HC_vs_MS.Trt_B
FRRS1L	1.41E-08	0.26831	0.865	0.76	2.26E-04	HC_vs_MS.Trt_B
FBXO40	1.44E-08	0.68769	0.328	0.18	2.30E-04	HC_vs_MS.Trt_B
CDKL5	1.47E-08	0.28551	0.932	0.82	2.35E-04	HC_vs_MS.Trt_B
WIPF2	1.48E-08	0.67098	0.772	0.62	2.37E-04	HC_vs_MS.Trt_B
SLC4A8	1.54E-08	-0.4494	0.88	0.78	2.46E-04	HC_vs_MS.Trt_B
6-Sep	1.55E-08	0.28028	0.777	0.64	2.48E-04	HC_vs_MS.Trt_B
ITGA3	1.57E-08	0.32482	0.754	0.6	2.50E-04	HC_vs_MS.Trt_B
DISP2	1.57E-08	0.29721	0.913	0.83	2.50E-04	HC_vs_MS.Trt_B
DIRAS2	1.62E-08	0.32571	0.787	0.66	2.58E-04	HC_vs_MS.Trt_B
RFTN2	1.62E-08	0.39395	0.68	0.55	0.000258	HC_vs_MS.Trt_B
PHF20L1	1.62E-08	0.67321	0.651	0.51	2.59E-04	HC_vs_MS.Trt_B
ZBTB3	1.63E-08	0.47935	0.793	0.66	2.60E-04	HC_vs_MS.Trt_B
DHFR2	1.72E-08	0.76331	0.59	0.42	2.75E-04	HC_vs_MS.Trt_B
MTAP	1.76E-08	0.39581	0.732	0.55	2.82E-04	HC_vs_MS.Trt_B
POLR3A	1.77E-08	0.30778	0.829	0.7	2.83E-04	HC_vs_MS.Trt_B
BAZ2A	1.78E-08	0.38516	0.665	0.5	2.84E-04	HC_vs_MS.Trt_B
LSM3	1.89E-08	-0.3179	0.588	0.42	3.02E-04	HC_vs_MS.Trt_B
HSPBAP1	1.92E-08	0.52712	0.5	0.33	3.06E-04	HC_vs_MS.Trt_B
PAPLN	1.93E-08	0.67332	0.764	0.62	3.07E-04	HC_vs_MS.Trt_B
RABGAP1L	2.00E-08	0.63791	0.891	0.78	3.19E-04	HC_vs_MS.Trt_B
C22orf39	2.01E-08	0.55479	0.688	0.5	3.20E-04	HC_vs_MS.Trt_B
PXMP4	2.10E-08	0.56964	0.816	0.74	3.35E-04	HC_vs_MS.Trt_B

CREG2	2.16E-08	0.49628	0.677	0.55	3.46E-04	HC_vs_MS.Trt_B
FKBP5	2.18E-08	0.47084	0.762	0.64	3.49E-04	HC_vs_MS.Trt_B
P3H4	2.22E-08	0.31187	0.896	0.76	3.55E-04	HC_vs_MS.Trt_B
C3orf62	2.23E-08	0.62686	0.758	0.6	3.56E-04	HC_vs_MS.Trt_B
VPS13B	2.23E-08	0.26382	0.735	0.57	3.56E-04	HC_vs_MS.Trt_B
DCLRE1C	2.23E-08	-0.7008	0.681	0.51	3.57E-04	HC_vs_MS.Trt_B
PTK2	2.24E-08	0.25168	0.948	0.83	3.57E-04	HC_vs_MS.Trt_B
C15orf57	2.25E-08	0.97982	0.772	0.66	3.60E-04	HC_vs_MS.Trt_B
HDAC4	2.27E-08	0.46162	0.559	0.38	3.63E-04	HC_vs_MS.Trt_B
ATM	2.29E-08	0.25042	0.952	0.9	3.66E-04	HC_vs_MS.Trt_B
RBM28	2.36E-08	0.5899	0.877	0.78	3.76E-04	HC_vs_MS.Trt_B
CBL	2.44E-08	0.54444	0.609	0.46	3.90E-04	HC_vs_MS.Trt_B
TMEM156	2.47E-08	-0.5291	0.768	0.62	3.95E-04	HC_vs_MS.Trt_B
MAGI2	2.58E-08	0.26046	0.787	0.61	4.12E-04	HC_vs_MS.Trt_B
TNKS	2.59E-08	0.60448	0.797	0.66	4.14E-04	HC_vs_MS.Trt_B
PLPP5	2.61E-08	0.54888	0.848	0.71	4.16E-04	HC_vs_MS.Trt_B
IMMP1L	2.64E-08	-0.4279	0.559	0.41	4.22E-04	HC_vs_MS.Trt_B
AARSD1	2.67E-08	0.72042	0.678	0.54	4.26E-04	HC_vs_MS.Trt_B
METTL9	2.71E-08	0.31273	0.601	0.43	4.32E-04	HC_vs_MS.Trt_B
NAV1	2.72E-08	0.81139	0.845	0.75	4.34E-04	HC_vs_MS.Trt_B
NHSL2	2.77E-08	-0.3533	0.606	0.44	4.42E-04	HC_vs_MS.Trt_B
TCTA	2.79E-08	0.28743	0.61	0.43	4.46E-04	HC_vs_MS.Trt_B
ZNF154	2.95E-08	0.43679	0.684	0.53	4.71E-04	HC_vs_MS.Trt_B
HAUS1	2.97E-08	0.44035	0.635	0.46	4.75E-04	HC_vs_MS.Trt_B
SNRNP70	3.00E-08	1.12505	0.299	0.16	4.79E-04	HC_vs_MS.Trt_B
AHSA1	3.02E-08	0.56109	0.541	0.39	4.82E-04	HC_vs_MS.Trt_B
KIAA2012	3.05E-08	0.36653	0.643	0.51	4.87E-04	HC_vs_MS.Trt_B
PLEKHB2	3.14E-08	0.55637	0.843	0.73	5.02E-04	HC_vs_MS.Trt_B
TRIM52	3.14E-08	-0.374	0.799	0.66	5.02E-04	HC_vs_MS.Trt_B
HACE1	3.24E-08	0.33236	0.655	0.48	5.17E-04	HC_vs_MS.Trt_B
TIMM17B	3.26E-08	-0.4032	0.73	0.58	5.20E-04	HC_vs_MS.Trt_B
SPACA6	3.36E-08	0.27311	0.87	0.8	5.37E-04	HC_vs_MS.Trt_B
AAMDC	3.37E-08	0.31123	0.899	0.83	5.38E-04	HC_vs_MS.Trt_B
MCM3AP	3.47E-08	0.46364	0.529	0.37	5.54E-04	HC_vs_MS.Trt_B
SMYD4	3.66E-08	0.5426	0.833	0.67	5.85E-04	HC_vs_MS.Trt_B
ZFP36	3.68E-08	0.68618	0.393	0.24	5.87E-04	HC_vs_MS.Trt_B
TCAF1	3.75E-08	0.54335	0.336	0.19	6.00E-04	HC_vs_MS.Trt_B
PNPT1	3.76E-08	0.60149	0.855	0.77	6.00E-04	HC_vs_MS.Trt_B
EYS	3.78E-08	0.37748	0.809	0.63	6.05E-04	HC_vs_MS.Trt_B
LUZP2	3.85E-08	0.25486	0.393	0.24	6.15E-04	HC_vs_MS.Trt_B

KAT6A	3.91E-08	0.66537	0.767	0.61	6.25E-04	HC_vs_MS.Trt_B
ADGRF1	4.19E-08	0.27522	0.775	0.62	6.70E-04	HC_vs_MS.Trt_B
KLHL36	4.31E-08	1.016	0.636	0.49	6.89E-04	HC_vs_MS.Trt_B
ZKSCAN5	4.38E-08	0.33838	0.562	0.4	7.00E-04	HC_vs_MS.Trt_B
TMEM67	4.38E-08	0.36601	0.884	0.8	7.00E-04	HC_vs_MS.Trt_B
ZNF160	4.42E-08	0.41415	0.593	0.42	7.05E-04	HC_vs_MS.Trt_B
LTBR	4.57E-08	0.28701	0.929	0.82	7.30E-04	HC_vs_MS.Trt_B
WBSCR22	4.67E-08	0.41066	0.726	0.58	7.45E-04	HC_vs_MS.Trt_B
AKAP7	4.68E-08	0.66517	0.5	0.35	7.47E-04	HC_vs_MS.Trt_B
MICAL2	4.75E-08	0.41752	0.822	0.68	7.59E-04	HC_vs_MS.Trt_B
SCML4	4.97E-08	0.37051	0.629	0.46	7.93E-04	HC_vs_MS.Trt_B
UBN2	4.98E-08	0.74142	0.606	0.46	7.96E-04	HC_vs_MS.Trt_B
SMARCAL1	5.00E-08	0.45188	0.706	0.56	7.98E-04	HC_vs_MS.Trt_B
ZNF623	5.02E-08	-0.2981	0.629	0.48	8.02E-04	HC_vs_MS.Trt_B
TGM2	5.02E-08	0.39763	0.552	0.4	8.02E-04	HC_vs_MS.Trt_B
FAM189B	5.17E-08	0.48923	0.69	0.56	8.26E-04	HC_vs_MS.Trt_B
CDH3	5.19E-08	0.33703	0.846	0.75	8.29E-04	HC_vs_MS.Trt_B
CYP2B6	5.26E-08	0.29904	0.607	0.46	8.40E-04	HC_vs_MS.Trt_B
PLEKHG2	5.29E-08	0.34401	0.819	0.71	8.45E-04	HC_vs_MS.Trt_B
TTC6	5.33E-08	0.34799	0.286	0.15	8.52E-04	HC_vs_MS.Trt_B
ZFYVE26	5.36E-08	0.47372	0.836	0.71	8.56E-04	HC_vs_MS.Trt_B
STARD10	5.43E-08	0.32332	0.825	0.67	8.68E-04	HC_vs_MS.Trt_B
ZNF778	5.47E-08	-1.0824	0.654	0.5	8.73E-04	HC_vs_MS.Trt_B
PTCHD1	5.53E-08	0.49803	0.703	0.57	8.84E-04	HC_vs_MS.Trt_B
PANK1	5.91E-08	0.27138	0.452	0.3	9.44E-04	HC_vs_MS.Trt_B
ABHD15	5.92E-08	1.1551	0.329	0.18	9.46E-04	HC_vs_MS.Trt_B
IRF9	5.96E-08	0.31762	0.891	0.76	9.52E-04	HC_vs_MS.Trt_B
CYP2C9	6.00E-08	0.25468	0.588	0.43	9.58E-04	HC_vs_MS.Trt_B
BET1	6.11E-08	0.43126	0.568	0.4	9.76E-04	HC_vs_MS.Trt_B
SPTSSA	6.18E-08	0.25419	0.401	0.24	9.88E-04	HC_vs_MS.Trt_B
SH3PXD2A	6.35E-08	-0.2802	0.314	0.17	0.001014	HC_vs_MS.Trt_B
ASB6	6.37E-08	0.8149	0.583	0.44	0.001018	HC_vs_MS.Trt_B
ARHGAP22	6.41E-08	0.25391	0.643	0.46	0.001023	HC_vs_MS.Trt_B
ZNF568	6.48E-08	0.42277	0.845	0.71	0.001035	HC_vs_MS.Trt_B
PARP9	6.52E-08	0.68835	0.388	0.24	0.001041	HC_vs_MS.Trt_B
SSH1	6.71E-08	0.55707	0.846	0.72	0.001071	HC_vs_MS.Trt_B
PARVB	6.72E-08	0.50655	0.677	0.55	0.001074	HC_vs_MS.Trt_B
C4BPB	6.93E-08	0.34072	0.78	0.65	0.001107	HC_vs_MS.Trt_B
ZNF620	7.11E-08	0.30967	0.716	0.57	0.001135	HC_vs_MS.Trt_B
SLC36A2	7.18E-08	0.38056	0.619	0.49	0.001147	HC_vs_MS.Trt_B

SLC37A3	7.24E-08	0.38864	0.936	0.85	0.001157	HC_vs_MS.Trt_B
TNIK	7.32E-08	1.00165	0.4	0.26	0.00117	HC_vs_MS.Trt_B
PRRG4	7.36E-08	0.32123	0.757	0.64	0.001176	HC_vs_MS.Trt_B
CALCOCO1	7.44E-08	0.57591	0.497	0.34	0.001188	HC_vs_MS.Trt_B
ZNF611	7.75E-08	0.42073	0.951	0.85	0.001238	HC_vs_MS.Trt_B
NWD1	7.78E-08	0.33957	0.487	0.34	0.001243	HC_vs_MS.Trt_B
CREBBP	7.81E-08	0.34538	0.564	0.4	0.001247	HC_vs_MS.Trt_B
DENND2C	7.96E-08	0.33355	0.751	0.61	0.001272	HC_vs_MS.Trt_B
ASNS	8.01E-08	0.73444	0.296	0.16	0.001279	HC_vs_MS.Trt_B
ARL17B	8.04E-08	0.26987	0.722	0.58	0.001284	HC_vs_MS.Trt_B
SNUPN	8.18E-08	0.31648	0.843	0.71	0.001306	HC_vs_MS.Trt_B
MT-ND4L	8.29E-08	-0.5242	0.984	0.99	0.001324	HC_vs_MS.Trt_B
IGSF9	8.41E-08	0.68689	0.304	0.17	0.001344	HC_vs_MS.Trt_B
WDR12	8.44E-08	-0.393	0.883	0.79	0.001348	HC_vs_MS.Trt_B
STPG1	8.47E-08	0.34293	0.755	0.63	0.001352	HC_vs_MS.Trt_B
POC1B	8.49E-08	0.49341	0.742	0.59	0.001356	HC_vs_MS.Trt_B
PPP5D1	8.91E-08	0.40403	0.729	0.6	0.001423	HC_vs_MS.Trt_B
ST6GAL1	8.97E-08	0.40158	0.462	0.31	0.001432	HC_vs_MS.Trt_B
TRIM25	9.02E-08	0.91851	0.33	0.19	0.001441	HC_vs_MS.Trt_B
SMAD4	9.25E-08	0.26331	0.491	0.31	0.001477	HC_vs_MS.Trt_B
DDX60L	9.26E-08	0.53774	0.714	0.56	0.001479	HC_vs_MS.Trt_B
ZNF28	9.27E-08	1.12834	0.777	0.63	0.001481	HC_vs_MS.Trt_B
C10orf67	9.61E-08	0.67109	0.28	0.15	0.001535	HC_vs_MS.Trt_B
PRKAG1	9.73E-08	0.33358	0.632	0.47	0.001554	HC_vs_MS.Trt_B
SLC25A44	9.73E-08	0.29029	0.674	0.49	0.001554	HC_vs_MS.Trt_B
RNF213	9.76E-08	0.27285	0.981	0.89	0.001559	HC_vs_MS.Trt_B
SCO1	9.87E-08	0.48064	0.775	0.66	0.001576	HC_vs_MS.Trt_B
PTPRK	9.93E-08	0.35385	0.443	0.3	0.001587	HC_vs_MS.Trt_B
PPP2R1B	1.03E-07	0.41095	0.409	0.27	0.001637	HC_vs_MS.Trt_B
CLN8	1.03E-07	0.52299	0.839	0.72	0.001638	HC_vs_MS.Trt_B
MOSPD2	1.03E-07	0.28083	0.309	0.18	0.001641	HC_vs_MS.Trt_B
LSM7	1.04E-07	-0.7008	0.675	0.49	0.001656	HC_vs_MS.Trt_B
PHLDB2	1.05E-07	-1.0063	0.51	0.37	0.001685	HC_vs_MS.Trt_B
RGS12	1.07E-07	0.90491	0.823	0.68	0.001708	HC_vs_MS.Trt_B
SLC43A2	1.09E-07	0.36633	0.786	0.63	0.001738	HC_vs_MS.Trt_B
ZNF483	1.10E-07	0.5361	0.826	0.7	0.00175	HC_vs_MS.Trt_B
RNGTT	1.10E-07	0.69841	0.394	0.26	0.001753	HC_vs_MS.Trt_B
CDK5RAP1	1.11E-07	0.77434	0.384	0.25	0.001766	HC_vs_MS.Trt_B
EIF4A2	1.11E-07	0.36201	0.554	0.4	0.001776	HC_vs_MS.Trt_B
SPTLC2	1.16E-07	0.84392	0.697	0.59	0.001846	HC_vs_MS.Trt_B

HERC1	1.18E-07	-0.2664	0.83	0.67	0.001888	HC_vs_MS.Trt_B
ZNF124	1.18E-07	0.57091	0.665	0.51	0.00189	HC_vs_MS.Trt_B
RICTOR	1.19E-07	0.25743	0.796	0.66	0.001899	HC_vs_MS.Trt_B
TSKU	1.20E-07	0.29202	0.488	0.32	0.001917	HC_vs_MS.Trt_B
PNLIPRP1	1.20E-07	0.25335	0.809	0.7	0.001921	HC_vs_MS.Trt_B
GCNT2	1.21E-07	0.65615	0.732	0.58	0.001934	HC_vs_MS.Trt_B
FBXO27	1.23E-07	0.27839	0.697	0.58	0.001968	HC_vs_MS.Trt_B
MARVELD2	1.23E-07	0.58121	0.59	0.48	0.001972	HC_vs_MS.Trt_B
SMARCA4	1.27E-07	-0.5363	0.79	0.66	0.002036	HC_vs_MS.Trt_B
TRIM65	1.29E-07	0.40207	0.684	0.53	0.002067	HC_vs_MS.Trt_B
KCNJ5	1.30E-07	0.49971	0.597	0.47	0.002081	HC_vs_MS.Trt_B
DDX46	1.31E-07	0.94756	0.52	0.39	0.002095	HC_vs_MS.Trt_B
CDC14B	1.32E-07	1.38676	0.322	0.18	0.002105	HC_vs_MS.Trt_B
SIDT1	1.33E-07	0.55051	0.781	0.65	0.002117	HC_vs_MS.Trt_B
ZCCHC8	1.35E-07	0.31168	0.813	0.69	0.002153	HC_vs_MS.Trt_B
SCUBE2	1.36E-07	0.34863	0.304	0.17	0.002166	HC_vs_MS.Trt_B
SRSF4	1.36E-07	0.37887	0.703	0.56	0.002179	HC_vs_MS.Trt_B
WHSC1	1.37E-07	0.34814	0.707	0.54	0.002188	HC_vs_MS.Trt_B
NRBP1	1.37E-07	0.39985	0.593	0.43	0.002191	HC_vs_MS.Trt_B
ZNF345	1.38E-07	0.27195	0.814	0.68	0.002204	HC_vs_MS.Trt_B
PCF11	1.39E-07	0.45774	0.519	0.36	0.002221	HC_vs_MS.Trt_B
PNPLA3	1.49E-07	0.33137	0.53	0.39	0.002387	HC_vs_MS.Trt_B
LIX1	1.50E-07	0.27872	0.387	0.24	0.002397	HC_vs_MS.Trt_B
SLC35A3	1.51E-07	0.78269	0.799	0.68	0.002415	HC_vs_MS.Trt_B
LRBA	1.52E-07	0.38026	0.477	0.33	0.002426	HC_vs_MS.Trt_B
SNX20	1.53E-07	0.37771	0.481	0.32	0.002447	HC_vs_MS.Trt_B
CALCOCO2	1.53E-07	-0.2812	0.988	0.95	0.002448	HC_vs_MS.Trt_B
CHGB	1.55E-07	0.68657	0.458	0.31	0.002474	HC_vs_MS.Trt_B
NEK5	1.61E-07	0.31703	0.852	0.71	0.00257	HC_vs_MS.Trt_B
INIP	1.63E-07	0.38821	0.681	0.55	0.002607	HC_vs_MS.Trt_B
OCLN	1.65E-07	0.39257	0.796	0.63	0.002633	HC_vs_MS.Trt_B
RASGRP1	1.68E-07	0.33527	0.354	0.22	0.002677	HC_vs_MS.Trt_B
SORT1	1.70E-07	0.60689	0.528	0.38	0.002721	HC_vs_MS.Trt_B
PIGB	1.71E-07	0.42509	0.775	0.65	0.002733	HC_vs_MS.Trt_B
MYADM	1.73E-07	0.2528	0.728	0.6	0.002758	HC_vs_MS.Trt_B
ATXN2	1.76E-07	0.61229	0.88	0.79	0.002808	HC_vs_MS.Trt_B
HECTD4	1.76E-07	0.32851	0.662	0.52	0.002819	HC_vs_MS.Trt_B
TAZ	1.80E-07	0.48436	0.543	0.38	0.002876	HC_vs_MS.Trt_B
ZNF546	1.82E-07	0.28468	0.893	0.8	0.002904	HC_vs_MS.Trt_B
BANP	1.84E-07	0.46475	0.658	0.52	0.002933	HC_vs_MS.Trt_B

PPARGC1B	1.85E-07	0.8597	0.694	0.56	0.002961	HC_vs_MS.Trt_B
NDUFAF5	1.86E-07	0.55188	0.538	0.38	0.00297	HC_vs_MS.Trt_B
CCDC81	1.91E-07	0.35153	0.486	0.34	0.003055	HC_vs_MS.Trt_B
HELLS	1.92E-07	0.32876	0.774	0.65	0.003066	HC_vs_MS.Trt_B
GNA11	1.92E-07	0.49262	0.53	0.39	0.003067	HC_vs_MS.Trt_B
TPH1	1.95E-07	-0.81	0.51	0.35	0.00311	HC_vs_MS.Trt_B
SH2D6	2.00E-07	0.39224	0.417	0.27	0.003197	HC_vs_MS.Trt_B
TTL5	2.01E-07	0.75011	0.632	0.5	0.003205	HC_vs_MS.Trt_B
AOAH	2.01E-07	-0.9112	0.386	0.24	0.00321	HC_vs_MS.Trt_B
AP5S1	2.02E-07	0.54888	0.864	0.75	0.00322	HC_vs_MS.Trt_B
NFE2L2	2.02E-07	0.39473	0.561	0.41	0.003227	HC_vs_MS.Trt_B
TMEM135	2.03E-07	-0.3079	0.768	0.62	0.003249	HC_vs_MS.Trt_B
SNIP1	2.10E-07	0.36982	0.659	0.53	0.003353	HC_vs_MS.Trt_B
COG8	2.16E-07	0.30405	0.629	0.48	0.003458	HC_vs_MS.Trt_B
AZIN2	2.17E-07	-0.8291	0.319	0.18	0.00346	HC_vs_MS.Trt_B
LILRB4	2.18E-07	0.37272	0.336	0.2	0.003487	HC_vs_MS.Trt_B
DDX10	2.20E-07	0.95906	0.612	0.48	0.003516	HC_vs_MS.Trt_B
ZNF566	2.22E-07	0.39631	0.861	0.75	0.003538	HC_vs_MS.Trt_B
TBC1D5	2.22E-07	0.25542	0.597	0.44	0.003546	HC_vs_MS.Trt_B
TBX6	2.24E-07	0.28551	0.47	0.33	0.003583	HC_vs_MS.Trt_B
UGGT2	2.26E-07	0.27119	0.803	0.65	0.003608	HC_vs_MS.Trt_B
AGO3	2.28E-07	0.5198	0.965	0.92	0.003638	HC_vs_MS.Trt_B
SIRT5	2.28E-07	0.43591	0.857	0.75	0.003641	HC_vs_MS.Trt_B
NELFA	2.29E-07	0.66665	0.786	0.66	0.003651	HC_vs_MS.Trt_B
C16orf70	2.32E-07	-0.355	0.661	0.51	0.003713	HC_vs_MS.Trt_B
MYO1B	2.36E-07	0.30237	0.393	0.25	0.003769	HC_vs_MS.Trt_B
STX7	2.39E-07	0.28864	0.72	0.58	0.003813	HC_vs_MS.Trt_B
AMN1	2.40E-07	0.25377	0.765	0.6	0.003828	HC_vs_MS.Trt_B
MAPT	2.41E-07	0.40988	0.677	0.51	0.003842	HC_vs_MS.Trt_B
USP46	2.41E-07	0.25393	0.717	0.56	0.003851	HC_vs_MS.Trt_B
TMEM189	2.43E-07	0.30287	0.829	0.69	0.003876	HC_vs_MS.Trt_B
KLLN	2.43E-07	0.36484	0.461	0.31	0.003886	HC_vs_MS.Trt_B
PROCR	2.46E-07	0.25764	0.839	0.73	0.003935	HC_vs_MS.Trt_B
HSD17B2	2.48E-07	0.4511	0.749	0.62	0.003955	HC_vs_MS.Trt_B
LARGE1	2.56E-07	0.31875	0.557	0.41	0.004094	HC_vs_MS.Trt_B
ACAP2	2.60E-07	0.31821	0.687	0.55	0.004161	HC_vs_MS.Trt_B
RNFT2	2.63E-07	0.34551	0.87	0.76	0.004194	HC_vs_MS.Trt_B
NUP107	2.65E-07	0.62014	0.741	0.6	0.00424	HC_vs_MS.Trt_B
ZNF347	2.66E-07	0.62125	0.91	0.82	0.00425	HC_vs_MS.Trt_B
ESCO2	2.69E-07	0.33641	0.665	0.56	0.004289	HC_vs_MS.Trt_B

FGFR1OP	2.73E-07	-0.3305	0.835	0.7	0.004355	HC_vs_MS.Trt_B
PIGX	2.73E-07	0.53397	0.43	0.3	0.004364	HC_vs_MS.Trt_B
ZFAND3	2.73E-07	0.83925	0.642	0.5	0.004368	HC_vs_MS.Trt_B
ELK3	2.74E-07	0.33967	0.393	0.24	0.004375	HC_vs_MS.Trt_B
SH3BP5	2.79E-07	0.37292	0.801	0.7	0.004454	HC_vs_MS.Trt_B
ZNF320	2.85E-07	0.32923	0.977	0.92	0.00455	HC_vs_MS.Trt_B
PNRC1	2.86E-07	0.77977	0.31	0.18	0.004561	HC_vs_MS.Trt_B
CLNK	2.88E-07	0.31398	0.626	0.49	0.004602	HC_vs_MS.Trt_B
SEC14L1	2.91E-07	0.88474	0.665	0.53	0.004653	HC_vs_MS.Trt_B
ASAP3	2.91E-07	0.29342	0.53	0.38	0.004655	HC_vs_MS.Trt_B
SPIB	2.92E-07	0.28821	0.822	0.75	0.004658	HC_vs_MS.Trt_B
PDPK1	2.94E-07	0.4829	0.599	0.45	0.004699	HC_vs_MS.Trt_B
STOML1	2.94E-07	0.31967	0.765	0.63	0.004701	HC_vs_MS.Trt_B
COX20	2.95E-07	-0.6146	0.652	0.48	0.004717	HC_vs_MS.Trt_B
DDX58	2.96E-07	0.51825	0.338	0.2	0.004729	HC_vs_MS.Trt_B
SLA2	2.98E-07	0.97076	0.522	0.38	0.004758	HC_vs_MS.Trt_B
BICDL2	2.99E-07	0.30222	0.296	0.16	0.004769	HC_vs_MS.Trt_B
HYOU1	3.02E-07	0.51586	0.475	0.31	0.004821	HC_vs_MS.Trt_B
BLZF1	3.03E-07	0.7909	0.441	0.31	0.004837	HC_vs_MS.Trt_B
GFOD2	3.06E-07	0.47498	0.886	0.81	0.004887	HC_vs_MS.Trt_B
CPA4	3.09E-07	0.29805	0.525	0.38	0.004941	HC_vs_MS.Trt_B
PTRF	3.14E-07	0.31371	0.352	0.21	0.00502	HC_vs_MS.Trt_B
USP37	3.15E-07	-0.3453	0.467	0.31	0.005034	HC_vs_MS.Trt_B
COQ5	3.15E-07	0.48026	0.864	0.69	0.005038	HC_vs_MS.Trt_B
NNT	3.19E-07	0.41562	0.638	0.5	0.005089	HC_vs_MS.Trt_B
KRAS	3.24E-07	0.42563	0.372	0.23	0.005173	HC_vs_MS.Trt_B
DMBX1	3.28E-07	0.34337	0.394	0.25	0.005231	HC_vs_MS.Trt_B
HEATR3	3.29E-07	1.07054	0.625	0.47	0.00526	HC_vs_MS.Trt_B
CHD1	3.39E-07	0.39724	0.468	0.33	0.005422	HC_vs_MS.Trt_B
ZNF525	3.40E-07	-1.5593	0.597	0.45	0.005427	HC_vs_MS.Trt_B
CAPZA2	3.44E-07	-0.5154	0.891	0.82	0.005499	HC_vs_MS.Trt_B
ARID3B	3.51E-07	0.53658	0.712	0.6	0.005602	HC_vs_MS.Trt_B
ZC3HAV1L	3.53E-07	0.46136	0.433	0.29	0.005632	HC_vs_MS.Trt_B
SRGAP3	3.57E-07	-0.3258	0.862	0.75	0.005703	HC_vs_MS.Trt_B
SRBD1	3.57E-07	-0.4233	0.355	0.22	0.005704	HC_vs_MS.Trt_B
RRM1	3.58E-07	0.39829	0.341	0.2	0.005724	HC_vs_MS.Trt_B
GRAMD2	3.63E-07	0.27262	0.617	0.48	0.005793	HC_vs_MS.Trt_B
SPNS1	3.69E-07	0.30294	0.787	0.67	0.005894	HC_vs_MS.Trt_B
PARN	3.75E-07	0.29025	0.714	0.61	0.005993	HC_vs_MS.Trt_B
WDR90	3.75E-07	0.25378	0.878	0.78	0.005997	HC_vs_MS.Trt_B



GTF2H2	3.78E-07	0.32441	0.884	0.82	0.006033	HC_vs_MS.Trt_B
HLA-DQB1	3.83E-07	0.5467	0.546	0.39	0.006113	HC_vs_MS.Trt_B
NAMPT	3.84E-07	0.9763	0.687	0.56	0.006138	HC_vs_MS.Trt_B
SDE2	3.86E-07	0.40556	0.657	0.53	0.006159	HC_vs_MS.Trt_B
DLST	3.94E-07	0.42102	0.888	0.79	0.006298	HC_vs_MS.Trt_B
SAG	3.98E-07	0.25428	0.942	0.92	0.006349	HC_vs_MS.Trt_B
SLC2A10	4.01E-07	0.36733	0.458	0.31	0.006398	HC_vs_MS.Trt_B
SLC27A1	4.02E-07	0.50311	0.797	0.69	0.006426	HC_vs_MS.Trt_B
SLC4A1	4.12E-07	0.33991	0.671	0.52	0.006579	HC_vs_MS.Trt_B
BMS1	4.13E-07	0.31182	0.536	0.39	0.006597	HC_vs_MS.Trt_B
PSPH	4.16E-07	0.39742	0.83	0.71	0.006649	HC_vs_MS.Trt_B
GNB4	4.23E-07	0.36305	0.791	0.68	0.006749	HC_vs_MS.Trt_B
CHPT1	4.26E-07	0.37259	0.609	0.46	0.006803	HC_vs_MS.Trt_B
GSTO2	4.32E-07	0.33038	0.858	0.72	0.006899	HC_vs_MS.Trt_B
CEP41	4.34E-07	0.26911	0.751	0.62	0.006926	HC_vs_MS.Trt_B
ZFPM2	4.36E-07	0.35834	0.417	0.28	0.006958	HC_vs_MS.Trt_B
ULK2	4.36E-07	0.49073	0.701	0.57	0.006972	HC_vs_MS.Trt_B
NFYC	4.37E-07	0.27358	0.572	0.42	0.006976	HC_vs_MS.Trt_B
GSK3B	4.38E-07	0.5114	0.712	0.57	0.007002	HC_vs_MS.Trt_B
KIAA0930	4.47E-07	0.44782	0.612	0.48	0.007134	HC_vs_MS.Trt_B
PRPF38A	4.56E-07	-0.4081	0.612	0.46	0.007291	HC_vs_MS.Trt_B
POM121C	4.60E-07	0.552	0.494	0.35	0.007346	HC_vs_MS.Trt_B
TAOK3	4.64E-07	0.35698	0.759	0.65	0.007408	HC_vs_MS.Trt_B
SLC25A15	4.69E-07	0.28071	0.672	0.53	0.007493	HC_vs_MS.Trt_B
TRAF6	4.70E-07	0.59887	0.712	0.56	0.007511	HC_vs_MS.Trt_B
OSBPL1A	4.76E-07	0.30992	0.736	0.59	0.007597	HC_vs_MS.Trt_B
CCZ1	4.78E-07	0.34132	0.72	0.56	0.00764	HC_vs_MS.Trt_B
SCHIP1	4.81E-07	0.39903	0.532	0.38	0.00769	HC_vs_MS.Trt_B
ELMO1	4.91E-07	0.33262	0.754	0.64	0.007845	HC_vs_MS.Trt_B
SLC25A34	4.93E-07	0.48056	0.622	0.47	0.007873	HC_vs_MS.Trt_B
HIVEP2	5.05E-07	0.39396	0.396	0.25	0.00806	HC_vs_MS.Trt_B
NABP1	5.09E-07	0.36646	0.757	0.64	0.008125	HC_vs_MS.Trt_B
APOBEC3G	5.17E-07	0.27481	0.77	0.65	0.008264	HC_vs_MS.Trt_B
JMJD7-PLA2	5.19E-07	-0.3091	0.386	0.25	0.008289	HC_vs_MS.Trt_B
DPPA4	5.20E-07	0.30762	0.852	0.76	0.008306	HC_vs_MS.Trt_B
TMEM107	5.20E-07	-0.4287	0.583	0.42	0.008313	HC_vs_MS.Trt_B
KIAA1841	5.21E-07	0.63814	0.846	0.75	0.008314	HC_vs_MS.Trt_B
NXPE3	5.37E-07	0.60548	0.907	0.82	0.008577	HC_vs_MS.Trt_B
UBXN7	5.38E-07	0.70498	0.787	0.65	0.008598	HC_vs_MS.Trt_B
MCM8	5.45E-07	0.51012	0.696	0.57	0.008711	HC_vs_MS.Trt_B

MAP7D3	5.49E-07	1.02713	0.577	0.43	0.008769	HC_vs_MS.Trt_B
SIN3B	5.50E-07	0.61767	0.754	0.62	0.00878	HC_vs_MS.Trt_B
LUZP1	5.56E-07	0.49686	0.478	0.34	0.008881	HC_vs_MS.Trt_B
GAB1	5.61E-07	0.33647	0.532	0.4	0.008961	HC_vs_MS.Trt_B
PRRC2A	5.65E-07	0.50414	0.757	0.65	0.00903	HC_vs_MS.Trt_B
USP22	5.67E-07	0.41813	0.83	0.7	0.009059	HC_vs_MS.Trt_B
ZNF556	5.68E-07	0.27502	0.939	0.86	0.009076	HC_vs_MS.Trt_B
OAZ2	5.73E-07	0.28475	0.755	0.63	0.009145	HC_vs_MS.Trt_B
PGBD2	5.75E-07	0.49187	0.301	0.16	0.009182	HC_vs_MS.Trt_B
PTRH1	6.02E-07	0.42355	0.736	0.6	0.009621	HC_vs_MS.Trt_B
C17orf62	6.14E-07	0.44872	0.719	0.6	0.009808	HC_vs_MS.Trt_B
DPH6	6.23E-07	0.59553	0.409	0.28	0.009949	HC_vs_MS.Trt_B
HELZ2	6.26E-07	1.3043	0.633	0.5	0.009995	HC_vs_MS.Trt_B
PDLIM5	6.33E-07	0.50591	0.872	0.77	0.010104	HC_vs_MS.Trt_B
HAP1	6.33E-07	0.31482	0.746	0.6	0.010109	HC_vs_MS.Trt_B
COPB2	6.37E-07	0.34404	0.896	0.82	0.010178	HC_vs_MS.Trt_B
TMEM184A	6.38E-07	-0.5039	0.419	0.27	0.010184	HC_vs_MS.Trt_B
FER	6.45E-07	1.18601	0.504	0.36	0.010306	HC_vs_MS.Trt_B
TAF1	6.49E-07	0.34806	0.799	0.68	0.010362	HC_vs_MS.Trt_B
DENND4A	6.61E-07	0.25493	0.388	0.25	0.010556	HC_vs_MS.Trt_B
TMEM127	6.76E-07	0.44903	0.691	0.57	0.010791	HC_vs_MS.Trt_B
SMPD3	6.77E-07	0.73022	0.696	0.53	0.010818	HC_vs_MS.Trt_B
TRAPPC8	6.83E-07	0.34699	0.672	0.51	0.010909	HC_vs_MS.Trt_B
SNTB2	6.83E-07	0.59282	0.774	0.6	0.010914	HC_vs_MS.Trt_B
SCLT1	6.85E-07	0.39986	0.614	0.47	0.01094	HC_vs_MS.Trt_B
OGFOD3	6.90E-07	0.97004	0.577	0.45	0.011013	HC_vs_MS.Trt_B
URB1	6.95E-07	0.73611	0.471	0.34	0.011097	HC_vs_MS.Trt_B
ZCCHC4	6.96E-07	0.5279	0.635	0.48	0.01112	HC_vs_MS.Trt_B
ZNF561	6.99E-07	0.2635	0.532	0.4	0.011166	HC_vs_MS.Trt_B
CCT6B	7.08E-07	0.68002	0.255	0.14	0.011313	HC_vs_MS.Trt_B
ARL10	7.14E-07	0.4902	0.849	0.78	0.011399	HC_vs_MS.Trt_B
RP11-77H9.1	7.27E-07	0.25875	0.497	0.36	0.011618	HC_vs_MS.Trt_B
HSP90AA1	7.36E-07	0.29303	0.614	0.51	0.011757	HC_vs_MS.Trt_B
ACSM2A	7.43E-07	0.39774	0.467	0.34	0.011864	HC_vs_MS.Trt_B
HBG2	7.55E-07	-1.3504	0.457	0.32	0.012057	HC_vs_MS.Trt_B
DNAJC18	7.55E-07	0.3442	0.826	0.74	0.012063	HC_vs_MS.Trt_B
HSD17B13	7.60E-07	0.44193	0.57	0.43	0.012141	HC_vs_MS.Trt_B
BICDL1	7.73E-07	-0.381	0.581	0.46	0.012345	HC_vs_MS.Trt_B
PANK3	7.79E-07	0.36143	0.429	0.29	0.012436	HC_vs_MS.Trt_B
ZNF773	7.82E-07	0.95666	0.571	0.46	0.012495	HC_vs_MS.Trt_B

MZT2A	7.84E-07	0.2835	0.786	0.66	0.012524	HC_vs_MS.Trt_B
PPP1CB	7.93E-07	-0.9573	0.636	0.72	0.012662	HC_vs_MS.Trt_B
TMEM44	7.93E-07	0.41836	0.59	0.45	0.01267	HC_vs_MS.Trt_B
CACNA1D	7.96E-07	0.68276	0.661	0.52	0.012713	HC_vs_MS.Trt_B
RABL2B	8.03E-07	0.37408	0.867	0.79	0.012827	HC_vs_MS.Trt_B
MAPK6	8.11E-07	0.61852	0.446	0.31	0.012947	HC_vs_MS.Trt_B
TNIP3	8.14E-07	0.31968	0.499	0.37	0.013008	HC_vs_MS.Trt_B
RNASEL	8.15E-07	0.6558	0.338	0.2	0.013014	HC_vs_MS.Trt_B
BCL7A	8.16E-07	0.42364	0.649	0.54	0.013037	HC_vs_MS.Trt_B
NR4A1	8.19E-07	0.4032	0.435	0.3	0.013084	HC_vs_MS.Trt_B
TRMT44	8.20E-07	0.51059	0.238	0.12	0.013091	HC_vs_MS.Trt_B
CTLA4	8.43E-07	0.6062	0.248	0.13	0.013471	HC_vs_MS.Trt_B
DUSP28	8.55E-07	0.4569	0.671	0.58	0.013663	HC_vs_MS.Trt_B
TMEM98	8.59E-07	0.31072	0.528	0.38	0.013723	HC_vs_MS.Trt_B
FAM57B	8.61E-07	0.29475	0.672	0.55	0.013759	HC_vs_MS.Trt_B
PAQR5	8.64E-07	0.25932	0.516	0.38	0.013794	HC_vs_MS.Trt_B
CPPED1	8.75E-07	-0.463	0.593	0.44	0.013984	HC_vs_MS.Trt_B
TIMELESS	8.90E-07	-0.3413	0.301	0.17	0.014213	HC_vs_MS.Trt_B
CABIN1	8.94E-07	0.95188	0.255	0.14	0.014285	HC_vs_MS.Trt_B
NIPAL1	9.04E-07	0.26605	0.41	0.28	0.014438	HC_vs_MS.Trt_B
MGA	9.07E-07	0.50609	0.858	0.75	0.014483	HC_vs_MS.Trt_B
TFIP11	9.12E-07	0.62171	0.507	0.35	0.014567	HC_vs_MS.Trt_B
BRIP1	9.13E-07	-0.4513	0.845	0.7	0.014585	HC_vs_MS.Trt_B
PEX1	9.28E-07	0.46687	0.67	0.55	0.014825	HC_vs_MS.Trt_B
JRK	9.39E-07	1.29376	0.433	0.29	0.014994	HC_vs_MS.Trt_B
RNF8	9.41E-07	-0.2537	0.496	0.36	0.015034	HC_vs_MS.Trt_B
TRPV3	9.48E-07	0.44745	0.596	0.46	0.015135	HC_vs_MS.Trt_B
KCNE3	9.54E-07	0.25835	0.525	0.38	0.015242	HC_vs_MS.Trt_B
GLYR1	9.62E-07	0.27296	0.391	0.24	0.01537	HC_vs_MS.Trt_B
MNT	9.64E-07	0.49971	0.623	0.5	0.015396	HC_vs_MS.Trt_B
TLR6	9.67E-07	1.27863	0.303	0.18	0.015444	HC_vs_MS.Trt_B
PNMA2	9.68E-07	0.35033	0.658	0.54	0.01547	HC_vs_MS.Trt_B
CHP2	9.79E-07	0.27559	0.407	0.26	0.015632	HC_vs_MS.Trt_B
NUB1	9.80E-07	0.36835	0.874	0.78	0.015649	HC_vs_MS.Trt_B
C12orf40	9.86E-07	0.76528	0.288	0.16	0.015743	HC_vs_MS.Trt_B
DENND1A	9.93E-07	0.32941	0.435	0.31	0.015868	HC_vs_MS.Trt_B
SCN3B	9.99E-07	0.35629	0.68	0.59	0.01595	HC_vs_MS.Trt_B
NRG4	1.01E-06	0.33089	0.667	0.54	0.016117	HC_vs_MS.Trt_B
ATG10	1.02E-06	0.30831	0.936	0.85	0.016255	HC_vs_MS.Trt_B
ACACB	1.03E-06	-0.5505	0.929	0.83	0.016532	HC_vs_MS.Trt_B

ANGEL2	1.04E-06	-0.3165	0.696	0.57	0.016595	HC_vs_MS.Trt_B
ZNF470	1.04E-06	0.41336	0.714	0.57	0.016616	HC_vs_MS.Trt_B
LSAMP	1.05E-06	0.29044	0.443	0.29	0.01672	HC_vs_MS.Trt_B
HSD3B7	1.05E-06	0.76421	0.432	0.29	0.016819	HC_vs_MS.Trt_B
ELAC2	1.10E-06	0.30039	0.674	0.52	0.017604	HC_vs_MS.Trt_B
ZNF670-ZNF	1.12E-06	0.29982	0.63	0.49	0.017867	HC_vs_MS.Trt_B
PPFIA1	1.13E-06	0.44278	0.657	0.52	0.018007	HC_vs_MS.Trt_B
KIAA1257	1.14E-06	0.37495	0.562	0.42	0.018137	HC_vs_MS.Trt_B
MED25	1.14E-06	0.6949	0.486	0.34	0.018177	HC_vs_MS.Trt_B
SPP2	1.14E-06	0.31458	0.691	0.57	0.018178	HC_vs_MS.Trt_B
MRPS28	1.14E-06	0.48329	0.596	0.45	0.018186	HC_vs_MS.Trt_B
PLEKHM1	1.15E-06	0.66863	0.816	0.66	0.018336	HC_vs_MS.Trt_B
BAG1	1.15E-06	0.44316	0.926	0.83	0.01837	HC_vs_MS.Trt_B
CRLS1	1.18E-06	0.50257	0.417	0.28	0.018828	HC_vs_MS.Trt_B
ZFR2	1.19E-06	0.35774	0.48	0.36	0.019015	HC_vs_MS.Trt_B
SOX6	1.21E-06	0.54912	0.429	0.29	0.019322	HC_vs_MS.Trt_B
C9orf64	1.22E-06	0.70156	0.596	0.44	0.019491	HC_vs_MS.Trt_B
WDTC1	1.22E-06	0.97991	0.359	0.23	0.01953	HC_vs_MS.Trt_B
MSRA	1.23E-06	0.48886	0.239	0.12	0.019655	HC_vs_MS.Trt_B
BUD31	1.24E-06	-0.4262	0.714	0.59	0.019853	HC_vs_MS.Trt_B
PPIL2	1.25E-06	0.61146	0.394	0.26	0.019949	HC_vs_MS.Trt_B
THG1L	1.25E-06	-0.4428	0.551	0.41	0.019954	HC_vs_MS.Trt_B
MYOM3	1.25E-06	0.44399	0.561	0.44	0.019964	HC_vs_MS.Trt_B
ACBD6	1.26E-06	0.44537	0.467	0.34	0.020166	HC_vs_MS.Trt_B
NR2C1	1.29E-06	0.49609	0.648	0.48	0.020649	HC_vs_MS.Trt_B
TMC8	1.30E-06	0.27853	0.748	0.65	0.020685	HC_vs_MS.Trt_B
DHTKD1	1.30E-06	0.39066	0.806	0.69	0.020694	HC_vs_MS.Trt_B
ZNF814	1.30E-06	0.41533	0.954	0.89	0.020808	HC_vs_MS.Trt_B
PXYLP1	1.31E-06	1.04055	0.5	0.35	0.020936	HC_vs_MS.Trt_B
ZNF7	1.31E-06	-0.2756	0.928	0.85	0.02098	HC_vs_MS.Trt_B
TEN1-CDK3	1.31E-06	-0.2876	0.52	0.38	0.020998	HC_vs_MS.Trt_B
SYNJ2	1.32E-06	0.2667	0.917	0.79	0.02103	HC_vs_MS.Trt_B
BEST1	1.34E-06	0.56674	0.806	0.71	0.021327	HC_vs_MS.Trt_B
TMEM199	1.35E-06	0.81292	0.578	0.44	0.02156	HC_vs_MS.Trt_B
LRRC2	1.35E-06	-0.4236	0.762	0.63	0.021581	HC_vs_MS.Trt_B
TRAF3	1.36E-06	0.46489	0.342	0.21	0.021726	HC_vs_MS.Trt_B
RAD17	1.39E-06	0.49874	0.496	0.36	0.022133	HC_vs_MS.Trt_B
PAQR8	1.39E-06	1.01551	0.51	0.38	0.022196	HC_vs_MS.Trt_B
ABC7-42404	1.40E-06	0.59044	0.707	0.59	0.022366	HC_vs_MS.Trt_B
SLC35A5	1.40E-06	-1.0132	0.436	0.3	0.022428	HC_vs_MS.Trt_B

NARFL	1.44E-06	0.38508	0.762	0.62	0.022981	HC_vs_MS.Trt_B
GALM	1.44E-06	-0.2849	0.561	0.42	0.023016	HC_vs_MS.Trt_B
GGCX	1.44E-06	0.80834	0.891	0.82	0.023059	HC_vs_MS.Trt_B
ZSCAN2	1.45E-06	0.45123	0.761	0.61	0.02314	HC_vs_MS.Trt_B
LETM2	1.45E-06	0.49068	0.667	0.54	0.023185	HC_vs_MS.Trt_B
FGD6	1.45E-06	1.09566	0.43	0.29	0.023223	HC_vs_MS.Trt_B
TARBP1	1.45E-06	-0.4335	0.412	0.27	0.023228	HC_vs_MS.Trt_B
ADD1	1.47E-06	0.28521	0.787	0.65	0.02354	HC_vs_MS.Trt_B
PCCB	1.48E-06	0.31887	0.628	0.48	0.0236	HC_vs_MS.Trt_B
ZNF615	1.52E-06	0.67224	0.47	0.33	0.024303	HC_vs_MS.Trt_B
PRDM2	1.52E-06	0.58015	0.426	0.29	0.024338	HC_vs_MS.Trt_B
MLKL	1.53E-06	0.30729	0.696	0.54	0.024461	HC_vs_MS.Trt_B
AEBP2	1.53E-06	-0.3895	0.696	0.53	0.024469	HC_vs_MS.Trt_B
NAGPA	1.53E-06	0.30988	0.638	0.51	0.02451	HC_vs_MS.Trt_B
VWA5B1	1.56E-06	0.3225	0.574	0.43	0.024916	HC_vs_MS.Trt_B
CAPRIN2	1.56E-06	0.53631	0.678	0.53	0.02493	HC_vs_MS.Trt_B
RHBDF2	1.58E-06	0.44618	0.919	0.84	0.025162	HC_vs_MS.Trt_B
RERE	1.58E-06	0.59985	0.393	0.25	0.025165	HC_vs_MS.Trt_B
RSPH10B	1.58E-06	0.38963	0.603	0.46	0.025233	HC_vs_MS.Trt_B
GALE	1.59E-06	-1.3843	0.323	0.19	0.025374	HC_vs_MS.Trt_B
CATSPER2	1.59E-06	0.57892	0.771	0.65	0.025428	HC_vs_MS.Trt_B
STMN1	1.59E-06	0.34728	0.691	0.6	0.025443	HC_vs_MS.Trt_B
INSR	1.62E-06	0.38239	0.462	0.31	0.025822	HC_vs_MS.Trt_B
CBX7	1.62E-06	0.40002	0.413	0.28	0.025874	HC_vs_MS.Trt_B
CSGALNACT	1.65E-06	0.2832	0.514	0.37	0.026422	HC_vs_MS.Trt_B
HYAL4	1.66E-06	0.36959	0.572	0.42	0.026573	HC_vs_MS.Trt_B
ADAR	1.68E-06	0.34156	0.796	0.74	0.026789	HC_vs_MS.Trt_B
SLC38A3	1.68E-06	0.32177	0.281	0.16	0.026823	HC_vs_MS.Trt_B
L2HGDH	1.68E-06	0.5282	0.807	0.73	0.026829	HC_vs_MS.Trt_B
RP11-435I1C	1.68E-06	0.44612	0.362	0.24	0.026841	HC_vs_MS.Trt_B
SIRT2	1.70E-06	0.31318	0.897	0.81	0.027186	HC_vs_MS.Trt_B
IRGQ	1.73E-06	0.43354	0.98	0.93	0.027639	HC_vs_MS.Trt_B
RSRP1	1.76E-06	0.38406	0.929	0.84	0.028125	HC_vs_MS.Trt_B
C1orf64	1.80E-06	0.27049	0.564	0.43	0.028734	HC_vs_MS.Trt_B
RALY	1.82E-06	0.45605	0.399	0.26	0.028999	HC_vs_MS.Trt_B
MRPS16	1.83E-06	0.38334	0.764	0.65	0.029201	HC_vs_MS.Trt_B
RAD51B	1.85E-06	0.69634	0.287	0.17	0.029584	HC_vs_MS.Trt_B
CCL16	1.85E-06	0.26531	0.607	0.47	0.029589	HC_vs_MS.Trt_B
NFATC2IP	1.86E-06	-0.2913	0.657	0.53	0.02965	HC_vs_MS.Trt_B
LIX1L	1.86E-06	0.46242	0.775	0.7	0.029707	HC_vs_MS.Trt_B

MRRF	1.87E-06	0.52841	0.625	0.51	0.029854	HC_vs_MS.Trt_B
SLC35E2	1.87E-06	0.4416	0.464	0.33	0.02989	HC_vs_MS.Trt_B
DIS3L2	1.87E-06	0.51608	0.478	0.33	0.029939	HC_vs_MS.Trt_B
RUFY3	1.91E-06	-0.3413	0.545	0.4	0.030533	HC_vs_MS.Trt_B
ANKUB1	1.92E-06	0.32704	0.413	0.29	0.030632	HC_vs_MS.Trt_B
DYM	1.93E-06	0.45487	0.701	0.55	0.030832	HC_vs_MS.Trt_B
TSC1	1.94E-06	0.2949	0.478	0.33	0.030985	HC_vs_MS.Trt_B
ZDHHC3	1.95E-06	0.36838	0.467	0.34	0.031081	HC_vs_MS.Trt_B
CLMN	1.95E-06	0.3223	0.63	0.49	0.03109	HC_vs_MS.Trt_B
HAGH	1.96E-06	0.36461	0.759	0.61	0.03134	HC_vs_MS.Trt_B
ACAA1	1.97E-06	0.28395	0.468	0.33	0.031388	HC_vs_MS.Trt_B
KIAA0319L	1.98E-06	0.51139	0.662	0.53	0.031634	HC_vs_MS.Trt_B
AP4E1	1.99E-06	-0.2778	0.397	0.26	0.03175	HC_vs_MS.Trt_B
COA7	1.99E-06	0.36893	0.871	0.78	0.031857	HC_vs_MS.Trt_B
PAK4	2.00E-06	0.28941	0.678	0.56	0.03192	HC_vs_MS.Trt_B
PKIB	2.01E-06	0.37018	0.7	0.6	0.032169	HC_vs_MS.Trt_B
CMBL	2.02E-06	0.3191	0.48	0.35	0.032302	HC_vs_MS.Trt_B
DNAJC21	2.02E-06	0.74536	0.381	0.26	0.03232	HC_vs_MS.Trt_B
FNBP4	2.03E-06	0.28175	0.481	0.33	0.03246	HC_vs_MS.Trt_B
TUSC3	2.06E-06	0.3965	0.41	0.29	0.032953	HC_vs_MS.Trt_B
PLK5	2.07E-06	0.53569	0.528	0.38	0.033059	HC_vs_MS.Trt_B
PLEKHA2	2.10E-06	0.31203	0.793	0.68	0.033496	HC_vs_MS.Trt_B
SLC3A1	2.11E-06	0.44845	0.684	0.54	0.033774	HC_vs_MS.Trt_B
ESYT2	2.15E-06	0.29708	0.543	0.41	0.034267	HC_vs_MS.Trt_B
COA1	2.16E-06	0.41942	0.759	0.64	0.034558	HC_vs_MS.Trt_B
TPP2	2.17E-06	0.56636	0.53	0.41	0.034706	HC_vs_MS.Trt_B
LAMP1	2.17E-06	0.63808	0.372	0.25	0.034731	HC_vs_MS.Trt_B
SSX5	2.19E-06	0.37898	0.199	0.09	0.034926	HC_vs_MS.Trt_B
EP400NL	2.22E-06	0.67537	0.723	0.63	0.035522	HC_vs_MS.Trt_B
H3F3B	2.24E-06	-0.55	0.781	0.79	0.035799	HC_vs_MS.Trt_B
GLTSCR1	2.26E-06	0.47465	0.581	0.48	0.036043	HC_vs_MS.Trt_B
ZNF225	2.28E-06	0.66985	0.768	0.68	0.036475	HC_vs_MS.Trt_B
CCR4	2.29E-06	0.68774	0.861	0.79	0.036515	HC_vs_MS.Trt_B
ZYG11B	2.30E-06	1.06857	0.704	0.61	0.036771	HC_vs_MS.Trt_B
CCDC13	2.32E-06	0.82472	0.32	0.19	0.037016	HC_vs_MS.Trt_B
PTPRM	2.33E-06	1.2688	0.203	0.1	0.037139	HC_vs_MS.Trt_B
ZNF839	2.36E-06	0.25202	0.719	0.57	0.037722	HC_vs_MS.Trt_B
OR6J1	2.37E-06	0.34343	0.68	0.55	0.037888	HC_vs_MS.Trt_B
LCMT2	2.37E-06	1.05658	0.654	0.54	0.037919	HC_vs_MS.Trt_B
CSAD	2.41E-06	0.33002	0.806	0.68	0.038543	HC_vs_MS.Trt_B

RAB40B	2.45E-06	-0.3695	0.448	0.32	0.039146	HC_vs_MS.Trt_B
RLIM	2.46E-06	0.30128	0.707	0.56	0.039268	HC_vs_MS.Trt_B
WDR11	2.46E-06	0.64031	0.62	0.5	0.039299	HC_vs_MS.Trt_B
GP2	2.48E-06	0.27756	0.504	0.37	0.039544	HC_vs_MS.Trt_B
LINC00854	2.48E-06	0.52268	0.635	0.51	0.039672	HC_vs_MS.Trt_B
ACSF2	2.50E-06	0.74111	0.47	0.34	0.039995	HC_vs_MS.Trt_B
ERAP1	2.51E-06	0.55016	0.584	0.45	0.040077	HC_vs_MS.Trt_B
CD55	2.51E-06	0.2696	0.487	0.35	0.040106	HC_vs_MS.Trt_B
CNOT4	2.52E-06	0.57556	0.686	0.55	0.040267	HC_vs_MS.Trt_B
TMEM186	2.56E-06	0.42819	0.51	0.37	0.040882	HC_vs_MS.Trt_B
LDHAL6A	2.59E-06	0.25393	0.349	0.23	0.041299	HC_vs_MS.Trt_B
FOPNL	2.59E-06	0.4841	0.594	0.45	0.041445	HC_vs_MS.Trt_B
RNF212	2.64E-06	0.65499	0.572	0.43	0.042186	HC_vs_MS.Trt_B
ZNF841	2.64E-06	0.81705	0.504	0.37	0.042227	HC_vs_MS.Trt_B
ONECUT3	2.67E-06	0.31562	0.436	0.31	0.042656	HC_vs_MS.Trt_B
NEXN	2.68E-06	0.43993	0.462	0.34	0.042873	HC_vs_MS.Trt_B
LIPT1	2.70E-06	0.31374	0.671	0.52	0.04306	HC_vs_MS.Trt_B
TCHP	2.71E-06	0.80479	0.512	0.38	0.043303	HC_vs_MS.Trt_B
TIGAR	2.72E-06	-0.3682	0.89	0.81	0.043443	HC_vs_MS.Trt_B
IGFBP2	2.72E-06	0.26426	0.574	0.45	0.043467	HC_vs_MS.Trt_B
LPIN3	2.72E-06	0.42092	0.432	0.3	0.043484	HC_vs_MS.Trt_B
FLI1	2.73E-06	0.28837	0.5	0.36	0.043607	HC_vs_MS.Trt_B
RPS6KL1	2.74E-06	0.27439	0.688	0.56	0.043728	HC_vs_MS.Trt_B
CHD7	2.76E-06	-0.3499	0.554	0.4	0.044055	HC_vs_MS.Trt_B
CHTOP	2.77E-06	0.29747	0.593	0.44	0.044185	HC_vs_MS.Trt_B
TNFRSF10A	2.78E-06	0.43661	0.567	0.46	0.04443	HC_vs_MS.Trt_B
NFIC	2.79E-06	-0.6143	0.412	0.28	0.044621	HC_vs_MS.Trt_B
PROM2	2.80E-06	0.30162	0.706	0.58	0.044713	HC_vs_MS.Trt_B
ARNT	2.80E-06	0.73389	0.757	0.63	0.044767	HC_vs_MS.Trt_B
CSNK1D	2.82E-06	0.366	0.936	0.86	0.045018	HC_vs_MS.Trt_B
CEP135	2.85E-06	0.48155	0.757	0.63	0.045539	HC_vs_MS.Trt_B
RPS2	2.92E-06	0.30312	0.606	0.47	0.04669	HC_vs_MS.Trt_B
DDX39B	2.93E-06	0.3627	0.691	0.56	0.046837	HC_vs_MS.Trt_B
COQ8A	2.96E-06	0.6901	0.633	0.5	0.047212	HC_vs_MS.Trt_B
MAP2K2	3.00E-06	-0.3426	0.704	0.55	0.047992	HC_vs_MS.Trt_B
AKAP5	3.11E-06	0.75409	0.625	0.52	0.049686	HC_vs_MS.Trt_B
PRSS27	3.11E-06	0.46356	0.755	0.64	0.049745	HC_vs_MS.Trt_B
KCNJ6	3.18E-06	0.93959	0.799	0.72	0.050845	HC_vs_MS.Trt_B
CPD	3.21E-06	0.25901	0.693	0.54	0.051241	HC_vs_MS.Trt_B
PNMAL1	3.22E-06	0.30746	0.428	0.3	0.051407	HC_vs_MS.Trt_B

IL21R	3.22E-06	0.42967	0.523	0.39	0.05151	HC_vs_MS.Trt_B
ZNF548	3.29E-06	0.43608	0.638	0.51	0.052517	HC_vs_MS.Trt_B
LDLRAD4	3.29E-06	0.47926	0.343	0.22	0.052611	HC_vs_MS.Trt_B
NUP50	3.32E-06	0.49157	0.649	0.54	0.052952	HC_vs_MS.Trt_B
MKL2	3.32E-06	0.39127	0.696	0.57	0.053008	HC_vs_MS.Trt_B
C21orf62	3.33E-06	0.33038	0.535	0.39	0.053215	HC_vs_MS.Trt_B
TALDO1	3.38E-06	0.25808	0.662	0.54	0.05392	HC_vs_MS.Trt_B
EFCAB5	3.38E-06	-0.3088	0.436	0.31	0.053963	HC_vs_MS.Trt_B
MAP3K9	3.45E-06	0.76129	0.448	0.33	0.055136	HC_vs_MS.Trt_B
KCNN2	3.49E-06	0.29893	0.255	0.14	0.055795	HC_vs_MS.Trt_B
GRSF1	3.58E-06	0.3773	0.73	0.62	0.05712	HC_vs_MS.Trt_B
BMP1	3.59E-06	-0.3526	0.535	0.38	0.057397	HC_vs_MS.Trt_B
RNF10	3.60E-06	0.31563	0.807	0.7	0.057511	HC_vs_MS.Trt_B
C2orf91	3.68E-06	0.27181	0.467	0.34	0.058842	HC_vs_MS.Trt_B
RCHY1	3.73E-06	0.82176	0.309	0.19	0.059553	HC_vs_MS.Trt_B
CERS4	3.73E-06	0.58254	0.613	0.48	0.059561	HC_vs_MS.Trt_B
ZNF442	3.74E-06	0.32986	0.717	0.57	0.059688	HC_vs_MS.Trt_B
SLC22A11	3.76E-06	0.25014	0.414	0.28	0.059979	HC_vs_MS.Trt_B
ST3GAL3	3.83E-06	0.63151	0.793	0.65	0.061174	HC_vs_MS.Trt_B
TSC2	3.86E-06	0.38923	0.684	0.53	0.061648	HC_vs_MS.Trt_B
GLB1L3	3.86E-06	0.36848	0.7	0.59	0.061736	HC_vs_MS.Trt_B
TMEM132A	3.87E-06	0.43063	0.384	0.25	0.061843	HC_vs_MS.Trt_B
HEMK1	3.90E-06	0.25214	0.951	0.87	0.062347	HC_vs_MS.Trt_B
CYB561D1	3.91E-06	0.58586	0.461	0.33	0.062495	HC_vs_MS.Trt_B
NEK4	3.96E-06	0.33402	0.767	0.61	0.063247	HC_vs_MS.Trt_B
HERC2	3.98E-06	0.46341	0.851	0.76	0.063526	HC_vs_MS.Trt_B
TMBIM1	3.99E-06	0.33441	0.588	0.44	0.063701	HC_vs_MS.Trt_B
C14orf159	4.03E-06	0.7636	0.638	0.53	0.064351	HC_vs_MS.Trt_B
CSNK1G1	4.03E-06	0.27812	0.564	0.42	0.064409	HC_vs_MS.Trt_B
RNF141	4.05E-06	0.40301	0.425	0.29	0.06472	HC_vs_MS.Trt_B
FITM2	4.06E-06	-0.4342	0.69	0.57	0.064898	HC_vs_MS.Trt_B
SMIM5	4.07E-06	0.33011	0.304	0.19	0.064949	HC_vs_MS.Trt_B
ARHGAP26	4.13E-06	0.29208	0.626	0.49	0.065941	HC_vs_MS.Trt_B
LRRC28	4.16E-06	0.8068	0.512	0.38	0.066395	HC_vs_MS.Trt_B
BRF1	4.16E-06	0.46707	0.565	0.44	0.066474	HC_vs_MS.Trt_B
CDK11A	4.18E-06	0.27791	0.413	0.28	0.066737	HC_vs_MS.Trt_B
TMEM25	4.21E-06	0.85362	0.394	0.25	0.067175	HC_vs_MS.Trt_B
ARL16	4.29E-06	0.41688	0.745	0.61	0.06851	HC_vs_MS.Trt_B
FGD5	4.41E-06	0.45145	0.525	0.38	0.07037	HC_vs_MS.Trt_B
GDAP2	4.41E-06	0.51106	0.684	0.55	0.070424	HC_vs_MS.Trt_B



PPP1R12B	4.43E-06	0.4081	0.696	0.57	0.070699	HC_vs_MS.Trt_B
CCND2	4.45E-06	0.62046	0.381	0.26	0.071052	HC_vs_MS.Trt_B
TFB1M	4.47E-06	0.43591	0.422	0.3	0.071355	HC_vs_MS.Trt_B
ACSS1	4.51E-06	1.19273	0.577	0.46	0.072097	HC_vs_MS.Trt_B
NAA15	4.56E-06	0.35064	0.739	0.63	0.072858	HC_vs_MS.Trt_B
GALNT10	4.57E-06	0.28159	0.53	0.4	0.072919	HC_vs_MS.Trt_B
NOTCH2	4.66E-06	0.75117	0.204	0.1	0.074477	HC_vs_MS.Trt_B
FBXW4	4.68E-06	0.47439	0.493	0.38	0.074785	HC_vs_MS.Trt_B
C5orf42	4.69E-06	-0.5987	0.51	0.39	0.074857	HC_vs_MS.Trt_B
CCT6A	4.80E-06	0.31282	0.47	0.33	0.076678	HC_vs_MS.Trt_B
RNF130	4.81E-06	-0.9169	0.633	0.49	0.076815	HC_vs_MS.Trt_B
PRKX	4.84E-06	0.35461	0.526	0.4	0.077295	HC_vs_MS.Trt_B
PAXIP1	4.86E-06	-0.8801	0.435	0.31	0.077578	HC_vs_MS.Trt_B
GCM1	4.90E-06	0.3506	0.49	0.37	0.07823	HC_vs_MS.Trt_B
PML	4.98E-06	0.42702	0.596	0.46	0.079519	HC_vs_MS.Trt_B
TRAPPC2	4.98E-06	-0.2728	0.917	0.83	0.079577	HC_vs_MS.Trt_B
PTGIS	5.01E-06	0.26498	0.667	0.58	0.080066	HC_vs_MS.Trt_B
CENPV	5.15E-06	0.41814	0.71	0.58	0.082187	HC_vs_MS.Trt_B
IQCG	5.15E-06	0.51573	0.748	0.65	0.082319	HC_vs_MS.Trt_B
EML6	5.21E-06	0.26064	0.578	0.46	0.083221	HC_vs_MS.Trt_B
NVL	5.22E-06	0.32408	0.8	0.66	0.083417	HC_vs_MS.Trt_B
ZNF589	5.23E-06	0.33004	0.459	0.33	0.083495	HC_vs_MS.Trt_B
EFCAB12	5.24E-06	0.30125	0.745	0.62	0.083728	HC_vs_MS.Trt_B
AKAP6	5.42E-06	0.39239	0.697	0.57	0.086535	HC_vs_MS.Trt_B
RNF19A	5.42E-06	0.29247	0.412	0.28	0.08654	HC_vs_MS.Trt_B
PABPC4	5.45E-06	0.33087	0.81	0.68	0.087112	HC_vs_MS.Trt_B
UHRF1BP1	5.46E-06	0.84915	0.549	0.43	0.087236	HC_vs_MS.Trt_B
KDELC2	5.64E-06	0.84532	0.554	0.44	0.090014	HC_vs_MS.Trt_B
KIAA1958	5.66E-06	0.55873	0.699	0.57	0.090426	HC_vs_MS.Trt_B
VEZT	5.73E-06	-0.6806	0.742	0.59	0.091485	HC_vs_MS.Trt_B
RPH3A	5.76E-06	0.25658	0.423	0.29	0.091945	HC_vs_MS.Trt_B
PHLPP2	5.77E-06	0.67251	0.8	0.66	0.09218	HC_vs_MS.Trt_B
SOX13	5.77E-06	0.2688	0.739	0.6	0.09218	HC_vs_MS.Trt_B
QSOX1	5.83E-06	0.80665	0.37	0.25	0.093119	HC_vs_MS.Trt_B
CTD-3088G3	5.88E-06	-0.482	0.51	0.37	0.093921	HC_vs_MS.Trt_B
BMP8B	5.88E-06	0.41152	0.403	0.28	0.093976	HC_vs_MS.Trt_B
SLC46A1	5.90E-06	0.48274	0.484	0.36	0.094213	HC_vs_MS.Trt_B
MYL6	5.94E-06	-0.6745	0.594	0.68	0.094886	HC_vs_MS.Trt_B
ST8SIA6	5.95E-06	0.7294	0.443	0.32	0.095044	HC_vs_MS.Trt_B
ZNF606	5.95E-06	0.40715	0.775	0.69	0.095106	HC_vs_MS.Trt_B

BORCS5	5.97E-06	0.6641	0.629	0.49	0.095337	HC_vs_MS.Trt_B
PPP5C	5.98E-06	0.40718	0.397	0.27	0.095589	HC_vs_MS.Trt_B
HDAC2	5.99E-06	-0.4334	0.713	0.56	0.095696	HC_vs_MS.Trt_B
MICU1	5.99E-06	0.32812	0.642	0.53	0.095745	HC_vs_MS.Trt_B
MOB1B	6.07E-06	0.4521	0.61	0.47	0.096899	HC_vs_MS.Trt_B
LRFN3	6.09E-06	0.34451	0.617	0.47	0.097268	HC_vs_MS.Trt_B
KCNJ15	6.14E-06	0.46615	0.588	0.49	0.098009	HC_vs_MS.Trt_B
RBM48	6.17E-06	-0.4222	0.755	0.61	0.098515	HC_vs_MS.Trt_B
SKIDA1	6.22E-06	0.26425	0.404	0.28	0.099417	HC_vs_MS.Trt_B
UBE2O	6.30E-06	0.38097	0.545	0.38	0.100556	HC_vs_MS.Trt_B
PIAS2	6.32E-06	0.34925	0.777	0.68	0.100883	HC_vs_MS.Trt_B
CCDC88B	6.32E-06	0.41186	0.759	0.63	0.100893	HC_vs_MS.Trt_B
NUP210	6.32E-06	0.255	0.52	0.38	0.100896	HC_vs_MS.Trt_B
NCKAP5L	6.32E-06	0.51936	0.593	0.46	0.1009	HC_vs_MS.Trt_B
MRPL30	6.32E-06	-0.3963	0.781	0.66	0.10094	HC_vs_MS.Trt_B
RPL10A	6.33E-06	-0.3733	0.851	0.82	0.101156	HC_vs_MS.Trt_B
ZNF557	6.34E-06	-0.4972	0.857	0.76	0.101327	HC_vs_MS.Trt_B
QRSL1	6.36E-06	-0.5385	0.555	0.41	0.101627	HC_vs_MS.Trt_B
ZC3H7A	6.37E-06	0.52456	0.383	0.26	0.101687	HC_vs_MS.Trt_B
AK7	6.44E-06	0.25714	0.793	0.69	0.102873	HC_vs_MS.Trt_B
ZNF583	6.52E-06	0.48118	0.803	0.71	0.104107	HC_vs_MS.Trt_B
TRIM24	6.52E-06	-0.2805	0.458	0.33	0.10411	HC_vs_MS.Trt_B
SLC38A6	6.52E-06	0.27065	0.643	0.5	0.104194	HC_vs_MS.Trt_B
ABCA6	6.54E-06	0.25001	0.63	0.5	0.104515	HC_vs_MS.Trt_B
SERINC3	6.55E-06	0.33069	0.661	0.54	0.104551	HC_vs_MS.Trt_B
NEB	6.58E-06	0.97854	0.532	0.4	0.105034	HC_vs_MS.Trt_B
SLC4A1AP	6.59E-06	-0.3138	0.761	0.67	0.10533	HC_vs_MS.Trt_B
SLC36A3	6.60E-06	0.29193	0.441	0.33	0.105438	HC_vs_MS.Trt_B
ATP8B1	6.62E-06	0.50197	0.265	0.15	0.105809	HC_vs_MS.Trt_B
SH2B1	6.63E-06	0.38192	0.57	0.46	0.105855	HC_vs_MS.Trt_B
HNRNPUL1	6.65E-06	0.63046	0.688	0.58	0.106234	HC_vs_MS.Trt_B
AGO2	6.69E-06	0.26057	0.413	0.29	0.106792	HC_vs_MS.Trt_B
C9orf66	6.75E-06	0.37985	0.574	0.44	0.107808	HC_vs_MS.Trt_B
LMLN	6.83E-06	-0.6926	0.435	0.3	0.109142	HC_vs_MS.Trt_B
NOM1	6.87E-06	0.60772	0.614	0.53	0.109674	HC_vs_MS.Trt_B
ATAD5	6.94E-06	-0.6757	0.601	0.43	0.110778	HC_vs_MS.Trt_B
TGFB1	7.00E-06	0.49643	0.316	0.2	0.111877	HC_vs_MS.Trt_B
RPF2	7.01E-06	0.58731	0.304	0.19	0.11199	HC_vs_MS.Trt_B
LEMD3	7.09E-06	0.49405	0.636	0.5	0.113224	HC_vs_MS.Trt_B
PTMA	7.16E-06	-0.3753	0.941	0.91	0.114289	HC_vs_MS.Trt_B

VPS13C	7.16E-06	0.29358	0.751	0.63	0.114435	HC_vs_MS.Trt_B
SIMC1	7.17E-06	0.78937	0.42	0.3	0.114482	HC_vs_MS.Trt_B
C2orf74	7.18E-06	0.30098	0.457	0.32	0.114659	HC_vs_MS.Trt_B
SURF6	7.23E-06	0.34946	0.517	0.38	0.115503	HC_vs_MS.Trt_B
GRAMD1A	7.28E-06	-0.352	0.716	0.54	0.116205	HC_vs_MS.Trt_B
DYDC1	7.34E-06	0.26731	0.584	0.45	0.117294	HC_vs_MS.Trt_B
SVIP	7.38E-06	0.33971	0.535	0.39	0.117939	HC_vs_MS.Trt_B
SLC2A3	7.40E-06	0.59648	0.732	0.63	0.118248	HC_vs_MS.Trt_B
ARL5A	7.42E-06	0.57554	0.187	0.09	0.118487	HC_vs_MS.Trt_B
TERF2IP	7.48E-06	0.66756	0.378	0.26	0.119425	HC_vs_MS.Trt_B
EMCN	7.52E-06	0.40711	0.438	0.31	0.12016	HC_vs_MS.Trt_B
CTDSPL	7.54E-06	0.3915	0.235	0.13	0.12038	HC_vs_MS.Trt_B
BPIFB1	7.55E-06	0.2645	0.507	0.37	0.120607	HC_vs_MS.Trt_B
RUVBL2	7.59E-06	-0.3135	0.854	0.72	0.121198	HC_vs_MS.Trt_B
EDC3	7.59E-06	0.38002	0.387	0.27	0.121201	HC_vs_MS.Trt_B
ATXN10	7.65E-06	0.29128	0.48	0.34	0.122126	HC_vs_MS.Trt_B
GPR85	7.80E-06	0.54682	0.388	0.27	0.124525	HC_vs_MS.Trt_B
DLG1	7.81E-06	0.38391	0.581	0.46	0.124771	HC_vs_MS.Trt_B
SIPA1L1	7.82E-06	0.8861	0.594	0.44	0.124873	HC_vs_MS.Trt_B
CSNK2A2	7.84E-06	0.64683	0.27	0.16	0.125189	HC_vs_MS.Trt_B
ZNF66	7.84E-06	-0.8421	0.648	0.49	0.125217	HC_vs_MS.Trt_B
POLQ	7.94E-06	0.26721	0.545	0.41	0.126876	HC_vs_MS.Trt_B
WDR91	7.95E-06	0.34286	0.477	0.36	0.126998	HC_vs_MS.Trt_B
MCOLN2	8.00E-06	-0.5478	0.446	0.32	0.127777	HC_vs_MS.Trt_B
NBPF9	8.00E-06	0.25974	0.709	0.58	0.127838	HC_vs_MS.Trt_B
XKR4	8.03E-06	0.32969	0.542	0.42	0.128266	HC_vs_MS.Trt_B
PLXDC1	8.09E-06	0.54245	0.729	0.62	0.12926	HC_vs_MS.Trt_B
REPS2	8.15E-06	0.26168	0.606	0.47	0.130238	HC_vs_MS.Trt_B
SUGP2	8.19E-06	-0.3746	0.709	0.59	0.130879	HC_vs_MS.Trt_B
C15orf52	8.19E-06	1.09025	0.414	0.29	0.130898	HC_vs_MS.Trt_B
LRRC58	8.21E-06	0.52646	0.716	0.6	0.131076	HC_vs_MS.Trt_B
ACSS3	8.21E-06	0.42771	0.267	0.16	0.131194	HC_vs_MS.Trt_B
HILPDA	8.28E-06	0.28994	0.593	0.47	0.132327	HC_vs_MS.Trt_B
SLC35B4	8.39E-06	0.27242	0.533	0.43	0.134089	HC_vs_MS.Trt_B
STIL	8.42E-06	-0.6833	0.607	0.5	0.134537	HC_vs_MS.Trt_B
SAMD4A	8.46E-06	0.48988	0.584	0.44	0.135088	HC_vs_MS.Trt_B
YTHDF3	8.51E-06	0.26964	0.642	0.51	0.135972	HC_vs_MS.Trt_B
P4HB	8.60E-06	0.35833	0.654	0.52	0.137307	HC_vs_MS.Trt_B
MYLK	8.61E-06	-0.6971	0.562	0.41	0.137531	HC_vs_MS.Trt_B
NME7	8.63E-06	0.45417	0.622	0.49	0.137846	HC_vs_MS.Trt_B

TCOF1	8.65E-06	-0.4037	0.79	0.64	0.138171	HC_vs_MS.Trt_B
IL1RAP	8.76E-06	0.25772	0.658	0.53	0.139851	HC_vs_MS.Trt_B
CHST5	8.76E-06	0.25472	0.457	0.34	0.139895	HC_vs_MS.Trt_B
BRD2	8.78E-06	0.58357	0.546	0.43	0.140193	HC_vs_MS.Trt_B
GANC	8.98E-06	0.32006	0.607	0.48	0.143374	HC_vs_MS.Trt_B
RPH3AL	9.00E-06	0.93043	0.32	0.21	0.143813	HC_vs_MS.Trt_B
POLM	9.20E-06	0.39826	0.533	0.4	0.146986	HC_vs_MS.Trt_B
KMT2E	9.23E-06	0.39617	0.767	0.65	0.147495	HC_vs_MS.Trt_B
PRICKLE3	9.24E-06	0.41542	0.51	0.38	0.147559	HC_vs_MS.Trt_B
ARSK	9.30E-06	-0.301	0.538	0.42	0.148492	HC_vs_MS.Trt_B
KATNAL1	9.39E-06	-0.6377	0.523	0.41	0.150056	HC_vs_MS.Trt_B
DDX52	9.41E-06	-0.3561	0.871	0.78	0.150232	HC_vs_MS.Trt_B
DHX30	9.44E-06	0.35774	0.639	0.52	0.150726	HC_vs_MS.Trt_B
GNG4	9.49E-06	0.37724	0.677	0.55	0.151562	HC_vs_MS.Trt_B
FBXO5	9.66E-06	-0.8961	0.401	0.27	0.154234	HC_vs_MS.Trt_B
DST	9.66E-06	0.34838	0.755	0.61	0.154288	HC_vs_MS.Trt_B
AP2A2	9.67E-06	0.32601	0.616	0.49	0.154466	HC_vs_MS.Trt_B
DMD	9.74E-06	0.34711	0.619	0.49	0.155609	HC_vs_MS.Trt_B
ATP2A2	9.89E-06	0.9769	0.694	0.63	0.158022	HC_vs_MS.Trt_B
WDR89	1.01E-05	0.55675	0.362	0.23	0.160774	HC_vs_MS.Trt_B
SCGB3A2	1.01E-05	0.3445	0.28	0.17	0.160829	HC_vs_MS.Trt_B
ANKRD45	1.01E-05	0.27094	0.543	0.43	0.161276	HC_vs_MS.Trt_B
GPBP1L1	1.02E-05	0.75168	0.458	0.34	0.16258	HC_vs_MS.Trt_B
TRAPPC12	1.02E-05	0.31578	0.599	0.46	0.162626	HC_vs_MS.Trt_B
CD6	1.02E-05	0.37504	0.641	0.51	0.163664	HC_vs_MS.Trt_B
NCAPH2	1.03E-05	0.70122	0.686	0.61	0.16411	HC_vs_MS.Trt_B
EIF2D	1.03E-05	-0.5313	0.716	0.57	0.164413	HC_vs_MS.Trt_B
CCDC25	1.04E-05	-0.5801	0.286	0.17	0.165586	HC_vs_MS.Trt_B
MOK	1.04E-05	0.27935	0.79	0.66	0.166113	HC_vs_MS.Trt_B
OAS1	1.06E-05	0.56401	0.503	0.41	0.168608	HC_vs_MS.Trt_B
PSMB2	1.06E-05	0.28827	0.733	0.6	0.168672	HC_vs_MS.Trt_B
MCOLN3	1.06E-05	0.25787	0.467	0.33	0.168723	HC_vs_MS.Trt_B
TMPO	1.06E-05	0.30317	0.535	0.41	0.16896	HC_vs_MS.Trt_B
NSUN4	1.06E-05	0.32183	0.755	0.63	0.169274	HC_vs_MS.Trt_B
ABHD12B	1.07E-05	0.44673	0.614	0.48	0.170262	HC_vs_MS.Trt_B
TRMT2B	1.07E-05	0.53997	0.625	0.49	0.170466	HC_vs_MS.Trt_B
FAM134C	1.07E-05	0.36768	0.604	0.48	0.170843	HC_vs_MS.Trt_B
TMEM231	1.08E-05	0.28014	0.709	0.58	0.172758	HC_vs_MS.Trt_B
POLL	1.09E-05	0.48324	0.404	0.28	0.17342	HC_vs_MS.Trt_B
ZNF429	1.11E-05	0.3757	0.903	0.82	0.176757	HC_vs_MS.Trt_B

EIF1AD	1.11E-05	-0.3192	0.693	0.57	0.177626	HC_vs_MS.Trt_B
WDR17	1.11E-05	0.37204	0.716	0.57	0.177733	HC_vs_MS.Trt_B
SIN3A	1.12E-05	0.26433	0.783	0.66	0.178738	HC_vs_MS.Trt_B
RAB5B	1.12E-05	0.40745	0.864	0.79	0.179079	HC_vs_MS.Trt_B
ZNF585B	1.12E-05	0.31127	0.723	0.6	0.179112	HC_vs_MS.Trt_B
KIF3B	1.14E-05	0.92048	0.438	0.33	0.181869	HC_vs_MS.Trt_B
PTGIR	1.15E-05	-0.3621	0.671	0.54	0.183732	HC_vs_MS.Trt_B
TRMT12	1.15E-05	0.36294	0.394	0.27	0.18398	HC_vs_MS.Trt_B
POTEC	1.15E-05	0.41331	0.406	0.28	0.183993	HC_vs_MS.Trt_B
GCLM	1.16E-05	0.49938	0.672	0.58	0.184637	HC_vs_MS.Trt_B
ACBD5	1.17E-05	-0.3168	0.467	0.34	0.186597	HC_vs_MS.Trt_B
NEDD9	1.18E-05	0.74007	0.467	0.33	0.187825	HC_vs_MS.Trt_B
IFRD1	1.18E-05	0.80514	0.387	0.26	0.188272	HC_vs_MS.Trt_B
NUP188	1.18E-05	0.52844	0.526	0.41	0.188555	HC_vs_MS.Trt_B
BCAS3	1.19E-05	0.40161	0.823	0.74	0.189769	HC_vs_MS.Trt_B
ATP6V1E1	1.20E-05	-0.2699	0.632	0.47	0.191423	HC_vs_MS.Trt_B
ZZEF1	1.21E-05	0.42552	0.501	0.36	0.19333	HC_vs_MS.Trt_B
SOAT1	1.21E-05	0.32511	0.7	0.61	0.193388	HC_vs_MS.Trt_B
TESC	1.22E-05	0.47758	0.232	0.13	0.194139	HC_vs_MS.Trt_B
CH507-9B2.1	1.22E-05	0.3106	0.403	0.28	0.194426	HC_vs_MS.Trt_B
FAM71D	1.22E-05	0.54279	0.12	0.05	0.195298	HC_vs_MS.Trt_B
ILF3	1.22E-05	0.28598	0.749	0.65	0.19531	HC_vs_MS.Trt_B
SIGLEC11	1.22E-05	0.32556	0.548	0.42	0.195469	HC_vs_MS.Trt_B
RFX3	1.23E-05	0.25691	0.194	0.1	0.196485	HC_vs_MS.Trt_B
RP11-166B2	1.24E-05	0.38469	0.507	0.38	0.198027	HC_vs_MS.Trt_B
CCDC171	1.25E-05	0.40193	0.462	0.34	0.199495	HC_vs_MS.Trt_B
EIF2AK1	1.26E-05	0.5262	0.454	0.33	0.201014	HC_vs_MS.Trt_B
EXOSC6	1.26E-05	-0.2961	0.901	0.82	0.201648	HC_vs_MS.Trt_B
TYK2	1.27E-05	0.29262	0.659	0.53	0.202563	HC_vs_MS.Trt_B
FOXRED2	1.29E-05	0.29407	0.529	0.4	0.206344	HC_vs_MS.Trt_B
FBXW12	1.29E-05	0.43211	0.323	0.21	0.206609	HC_vs_MS.Trt_B
SULT1C4	1.29E-05	0.37063	0.554	0.46	0.206757	HC_vs_MS.Trt_B
ANKRD54	1.30E-05	0.33709	0.693	0.56	0.207541	HC_vs_MS.Trt_B
CYTH1	1.31E-05	0.26955	0.578	0.46	0.210022	HC_vs_MS.Trt_B
PLCE1	1.32E-05	-0.2655	0.916	0.8	0.210698	HC_vs_MS.Trt_B
HEBP1	1.32E-05	1.00189	0.262	0.15	0.211564	HC_vs_MS.Trt_B
IRAK4	1.34E-05	-0.5861	0.594	0.47	0.214565	HC_vs_MS.Trt_B
ZNF215	1.36E-05	0.36914	0.397	0.28	0.217578	HC_vs_MS.Trt_B
GDF11	1.37E-05	0.26817	0.325	0.22	0.21921	HC_vs_MS.Trt_B
RUNDC3B	1.38E-05	0.43209	0.309	0.2	0.2197	HC_vs_MS.Trt_B

TFAP4	1.38E-05	0.31608	0.671	0.55	0.219887	HC_vs_MS.Trt_B
WBSCR17	1.38E-05	0.30045	0.314	0.2	0.220674	HC_vs_MS.Trt_B
KIAA0100	1.42E-05	0.57648	0.497	0.38	0.226584	HC_vs_MS.Trt_B
ZNF626	1.42E-05	-0.436	0.703	0.59	0.227088	HC_vs_MS.Trt_B
BTG2	1.43E-05	0.82726	0.178	0.09	0.228024	HC_vs_MS.Trt_B
XPO5	1.45E-05	0.38795	0.688	0.54	0.231183	HC_vs_MS.Trt_B
SLC16A7	1.46E-05	0.80109	0.628	0.51	0.232784	HC_vs_MS.Trt_B
GNAL	1.47E-05	-0.353	0.443	0.32	0.234383	HC_vs_MS.Trt_B
HAPLN4	1.47E-05	0.27289	0.417	0.29	0.234468	HC_vs_MS.Trt_B
RSPRY1	1.47E-05	-0.3076	0.335	0.22	0.235331	HC_vs_MS.Trt_B
PIK3C2A	1.47E-05	1.03873	0.386	0.27	0.235389	HC_vs_MS.Trt_B
CLUAP1	1.48E-05	-0.2609	0.825	0.68	0.235686	HC_vs_MS.Trt_B
HIBCH	1.51E-05	0.63056	0.245	0.14	0.240596	HC_vs_MS.Trt_B
RPTOR	1.51E-05	0.28476	0.378	0.25	0.241522	HC_vs_MS.Trt_B
CHD3	1.51E-05	0.38949	0.365	0.24	0.241979	HC_vs_MS.Trt_B
TBC1D4	1.53E-05	0.4027	0.354	0.24	0.243641	HC_vs_MS.Trt_B
DHX15	1.53E-05	-0.2956	0.514	0.38	0.244856	HC_vs_MS.Trt_B
DHX57	1.54E-05	-0.6017	0.555	0.41	0.245883	HC_vs_MS.Trt_B
ZNF543	1.54E-05	-0.4708	0.477	0.34	0.246091	HC_vs_MS.Trt_B
PPIL6	1.54E-05	0.29291	0.497	0.39	0.246682	HC_vs_MS.Trt_B
CDH6	1.56E-05	0.2623	0.506	0.39	0.248596	HC_vs_MS.Trt_B
PARVA	1.56E-05	0.30594	0.719	0.6	0.248761	HC_vs_MS.Trt_B
CECR1	1.57E-05	0.40667	0.486	0.36	0.250124	HC_vs_MS.Trt_B
TAPT1	1.57E-05	0.65928	0.684	0.56	0.251281	HC_vs_MS.Trt_B
DGAT2	1.58E-05	0.26616	0.306	0.2	0.252202	HC_vs_MS.Trt_B
CREBRF	1.58E-05	0.49213	0.768	0.63	0.252514	HC_vs_MS.Trt_B
TRANK1	1.60E-05	0.80539	0.246	0.14	0.255427	HC_vs_MS.Trt_B
SPATA4	1.63E-05	0.29071	0.587	0.49	0.261064	HC_vs_MS.Trt_B
ST8SIA1	1.64E-05	-0.3305	0.625	0.47	0.261425	HC_vs_MS.Trt_B
SOWAHC	1.64E-05	0.48965	0.42	0.31	0.261756	HC_vs_MS.Trt_B
DTX2	1.66E-05	0.54674	0.394	0.28	0.264532	HC_vs_MS.Trt_B
AGMAT	1.66E-05	0.26557	0.848	0.77	0.265126	HC_vs_MS.Trt_B
PTGES	1.67E-05	0.30559	0.481	0.36	0.267157	HC_vs_MS.Trt_B
CLEC2B	1.68E-05	0.45601	0.209	0.11	0.26763	HC_vs_MS.Trt_B
SMAGP	1.68E-05	0.37454	0.639	0.51	0.267639	HC_vs_MS.Trt_B
UVRAG	1.68E-05	0.43889	0.423	0.3	0.267991	HC_vs_MS.Trt_B
FNDC3A	1.69E-05	0.35987	0.484	0.37	0.269538	HC_vs_MS.Trt_B
MPI	1.69E-05	0.3728	0.513	0.38	0.270638	HC_vs_MS.Trt_B
MRPS17	1.72E-05	0.27152	0.845	0.77	0.274417	HC_vs_MS.Trt_B
DHDDS	1.73E-05	0.38508	0.543	0.41	0.276185	HC_vs_MS.Trt_B

GSDMB	1.74E-05	0.29659	0.862	0.76	0.277275	HC_vs_MS.Trt_B
RAB2B	1.75E-05	0.303	0.652	0.53	0.278842	HC_vs_MS.Trt_B
PLIN3	1.76E-05	-0.2518	0.519	0.36	0.280442	HC_vs_MS.Trt_B
KMT2D	1.78E-05	0.29782	0.855	0.74	0.284807	HC_vs_MS.Trt_B
AC013264.1	1.78E-05	0.52092	0.336	0.23	0.285014	HC_vs_MS.Trt_B
FBXO24	1.79E-05	0.37097	0.423	0.29	0.286621	HC_vs_MS.Trt_B
ALMS1	1.81E-05	1.13165	0.461	0.34	0.288474	HC_vs_MS.Trt_B
ZNF343	1.81E-05	1.62168	0.433	0.31	0.288998	HC_vs_MS.Trt_B
RGCC	1.83E-05	0.74061	0.18	0.09	0.292004	HC_vs_MS.Trt_B
RFC2	1.84E-05	-0.3893	0.736	0.58	0.293781	HC_vs_MS.Trt_B
PAPSS1	1.84E-05	0.4209	0.199	0.1	0.294077	HC_vs_MS.Trt_B
SDHD	1.85E-05	-0.2795	0.654	0.51	0.296027	HC_vs_MS.Trt_B
ZNF419	1.85E-05	-0.3555	0.758	0.66	0.296058	HC_vs_MS.Trt_B
MGP	1.87E-05	0.28845	0.523	0.42	0.298724	HC_vs_MS.Trt_B
AARS2	1.87E-05	1.4205	0.384	0.28	0.299368	HC_vs_MS.Trt_B
PPFIBP1	1.89E-05	0.41085	0.735	0.6	0.301761	HC_vs_MS.Trt_B
BEAN1	1.91E-05	-0.5996	0.422	0.29	0.305035	HC_vs_MS.Trt_B
ACTR3B	1.92E-05	1.16226	0.493	0.38	0.307379	HC_vs_MS.Trt_B
EGLN1	1.94E-05	1.05849	0.354	0.24	0.309803	HC_vs_MS.Trt_B
MB21D1	1.95E-05	0.28594	0.72	0.59	0.310742	HC_vs_MS.Trt_B
LRRC27	1.95E-05	0.25834	0.803	0.66	0.311278	HC_vs_MS.Trt_B
ZC3H12B	1.96E-05	0.57106	0.552	0.43	0.312436	HC_vs_MS.Trt_B
PTPRA	1.96E-05	0.98554	0.164	0.08	0.313459	HC_vs_MS.Trt_B
UGDH	1.97E-05	0.51565	0.528	0.42	0.314421	HC_vs_MS.Trt_B
NEK2	1.97E-05	0.30092	0.629	0.53	0.314493	HC_vs_MS.Trt_B
TBC1D7	1.98E-05	0.61347	0.513	0.39	0.315568	HC_vs_MS.Trt_B
ZNF587B	2.00E-05	0.29855	0.336	0.22	0.319056	HC_vs_MS.Trt_B
C16orf89	2.00E-05	0.29001	0.27	0.17	0.319304	HC_vs_MS.Trt_B
NOXO1	2.01E-05	0.35671	0.159	0.08	0.320917	HC_vs_MS.Trt_B
SPAG16	2.01E-05	-0.4353	0.441	0.31	0.321756	HC_vs_MS.Trt_B
SLC4A5	2.02E-05	0.28902	0.7	0.56	0.321983	HC_vs_MS.Trt_B
TRIM13	2.02E-05	0.35803	0.604	0.48	0.322039	HC_vs_MS.Trt_B
KDM4B	2.02E-05	0.60649	0.594	0.49	0.32218	HC_vs_MS.Trt_B
ZNF44	2.02E-05	-0.3971	0.535	0.4	0.322526	HC_vs_MS.Trt_B
SNX1	2.02E-05	0.39592	0.733	0.64	0.322727	HC_vs_MS.Trt_B
ERVW-1	2.05E-05	0.64506	0.365	0.25	0.327347	HC_vs_MS.Trt_B
TIMM23B	2.05E-05	0.6082	0.581	0.46	0.327742	HC_vs_MS.Trt_B
C22orf46	2.10E-05	0.72002	0.364	0.25	0.334756	HC_vs_MS.Trt_B
CXXC5	2.11E-05	0.81798	0.504	0.37	0.336471	HC_vs_MS.Trt_B
ZNF519	2.11E-05	0.28465	0.867	0.72	0.337188	HC_vs_MS.Trt_B

UBE2V2	2.14E-05	-0.5277	0.722	0.62	0.342154	HC_vs_MS.Trt_B
GPR157	2.15E-05	0.27325	0.786	0.68	0.3427	HC_vs_MS.Trt_B
NOL6	2.21E-05	0.83693	0.372	0.28	0.352963	HC_vs_MS.Trt_B
SREK1IP1	2.21E-05	0.461	0.41	0.29	0.353621	HC_vs_MS.Trt_B
PDZD7	2.22E-05	0.26144	0.483	0.34	0.354099	HC_vs_MS.Trt_B
FUCA2	2.25E-05	0.35192	0.296	0.18	0.358611	HC_vs_MS.Trt_B
PICK1	2.26E-05	-0.7386	0.429	0.32	0.360801	HC_vs_MS.Trt_B
IRAK3	2.27E-05	0.64534	0.413	0.28	0.361879	HC_vs_MS.Trt_B
CNDP2	2.29E-05	0.32547	0.684	0.55	0.365248	HC_vs_MS.Trt_B
APAF1	2.30E-05	0.30498	0.572	0.44	0.367131	HC_vs_MS.Trt_B
RNF220	2.33E-05	0.28416	0.641	0.53	0.3721	HC_vs_MS.Trt_B
GFI1B	2.35E-05	0.3919	0.541	0.43	0.375307	HC_vs_MS.Trt_B
SV2B	2.35E-05	0.65918	0.383	0.26	0.376004	HC_vs_MS.Trt_B
CLASP2	2.35E-05	0.70752	0.7	0.56	0.376148	HC_vs_MS.Trt_B
APPBP2	2.38E-05	0.36362	0.832	0.76	0.380719	HC_vs_MS.Trt_B
EID2B	2.40E-05	0.51254	0.523	0.41	0.382679	HC_vs_MS.Trt_B
UFD1L	2.42E-05	0.25449	0.761	0.66	0.386939	HC_vs_MS.Trt_B
ZNF843	2.44E-05	0.27618	0.693	0.59	0.388984	HC_vs_MS.Trt_B
SCRN3	2.44E-05	0.35003	0.426	0.29	0.389486	HC_vs_MS.Trt_B
CUL3	2.44E-05	-0.3044	0.412	0.29	0.390001	HC_vs_MS.Trt_B
AMPD3	2.44E-05	0.90253	0.43	0.32	0.390226	HC_vs_MS.Trt_B
JOSD1	2.47E-05	0.30185	0.533	0.4	0.394016	HC_vs_MS.Trt_B
FRMD4A	2.47E-05	0.40132	0.629	0.5	0.394381	HC_vs_MS.Trt_B
C21orf33	2.48E-05	0.39137	0.377	0.26	0.395399	HC_vs_MS.Trt_B
LHFPL5	2.48E-05	0.26651	0.528	0.4	0.395717	HC_vs_MS.Trt_B
OTUD3	2.49E-05	0.47513	0.5	0.38	0.398135	HC_vs_MS.Trt_B
C11orf31	2.51E-05	0.42367	0.507	0.4	0.400713	HC_vs_MS.Trt_B
OSBPL9	2.51E-05	0.28126	0.328	0.21	0.401516	HC_vs_MS.Trt_B
ZFP64	2.52E-05	0.39633	0.58	0.46	0.402085	HC_vs_MS.Trt_B
SREK1	2.52E-05	-0.2561	0.523	0.39	0.402193	HC_vs_MS.Trt_B
NFKBIZ	2.52E-05	0.67593	0.336	0.23	0.40317	HC_vs_MS.Trt_B
SRSF7	2.52E-05	0.324	0.384	0.28	0.403317	HC_vs_MS.Trt_B
MINK1	2.54E-05	0.47711	0.252	0.15	0.405175	HC_vs_MS.Trt_B
TNR	2.58E-05	0.3527	0.29	0.19	0.412231	HC_vs_MS.Trt_B
DDX11	2.59E-05	0.48218	0.414	0.3	0.41311	HC_vs_MS.Trt_B
FAM83H-AS	2.60E-05	0.2561	0.694	0.61	0.415985	HC_vs_MS.Trt_B
SP140L	2.62E-05	0.2611	0.757	0.62	0.418123	HC_vs_MS.Trt_B
TRAM2	2.62E-05	-0.338	0.248	0.14	0.419186	HC_vs_MS.Trt_B
WWC3	2.65E-05	-0.869	0.345	0.23	0.422539	HC_vs_MS.Trt_B
PAN2	2.67E-05	0.90184	0.322	0.21	0.426375	HC_vs_MS.Trt_B



FOXP3	2.67E-05	0.64458	0.457	0.35	0.426737	HC_vs_MS.Trt_B
NARS2	2.70E-05	0.69998	0.39	0.28	0.431023	HC_vs_MS.Trt_B
PIGS	2.70E-05	0.40648	0.48	0.37	0.43116	HC_vs_MS.Trt_B
NUBPL	2.71E-05	0.30021	0.752	0.6	0.433453	HC_vs_MS.Trt_B
ARHGAP5	2.73E-05	0.34885	0.497	0.36	0.436374	HC_vs_MS.Trt_B
COPS7B	2.74E-05	0.31156	0.783	0.69	0.437132	HC_vs_MS.Trt_B
TUBGCP2	2.75E-05	-0.3654	0.761	0.62	0.438744	HC_vs_MS.Trt_B
PDE3A	2.77E-05	0.27004	0.22	0.12	0.442091	HC_vs_MS.Trt_B
FILIP1	2.78E-05	0.35528	0.384	0.26	0.444563	HC_vs_MS.Trt_B
STRN	2.79E-05	0.32823	0.225	0.13	0.446015	HC_vs_MS.Trt_B
CDK10	2.82E-05	0.5481	0.91	0.8	0.45116	HC_vs_MS.Trt_B
FBXO45	2.83E-05	-0.3579	0.423	0.3	0.451905	HC_vs_MS.Trt_B
ZNF395	2.83E-05	0.26289	0.542	0.43	0.452744	HC_vs_MS.Trt_B
SPEF2	2.85E-05	0.50995	0.546	0.42	0.454895	HC_vs_MS.Trt_B
ARNTL2	2.85E-05	0.27705	0.614	0.53	0.455906	HC_vs_MS.Trt_B
CPQ	2.90E-05	-0.3818	0.357	0.24	0.463803	HC_vs_MS.Trt_B
SNX5	2.94E-05	0.43755	0.583	0.48	0.470024	HC_vs_MS.Trt_B
ZNF362	2.95E-05	1.48954	0.117	0.05	0.471311	HC_vs_MS.Trt_B
RASAL3	2.98E-05	0.97967	0.184	0.1	0.47543	HC_vs_MS.Trt_B
RAD50	2.98E-05	0.27379	0.184	0.09	0.475459	HC_vs_MS.Trt_B
AFDN	3.00E-05	0.88495	0.113	0.04	0.479	HC_vs_MS.Trt_B
ACSF3	3.00E-05	0.34825	0.799	0.68	0.479315	HC_vs_MS.Trt_B
ZNF74	3.02E-05	0.33588	0.433	0.32	0.48215	HC_vs_MS.Trt_B
SEMA5A	3.03E-05	0.26609	0.39	0.28	0.483526	HC_vs_MS.Trt_B
STRN4	3.05E-05	0.3143	0.483	0.37	0.486694	HC_vs_MS.Trt_B
NCR1	3.08E-05	0.57966	0.223	0.12	0.492765	HC_vs_MS.Trt_B
EFCAB13	3.11E-05	0.5059	0.32	0.21	0.496336	HC_vs_MS.Trt_B
DHX8	3.12E-05	0.33249	0.652	0.52	0.497825	HC_vs_MS.Trt_B
EIF4A1	3.16E-05	0.32813	0.491	0.38	0.504152	HC_vs_MS.Trt_B
QRICH1	3.17E-05	0.26008	0.539	0.41	0.505768	HC_vs_MS.Trt_B
MCL1	3.18E-05	0.36561	0.372	0.26	0.508633	HC_vs_MS.Trt_B
GPN3	3.23E-05	1.20868	0.374	0.27	0.515415	HC_vs_MS.Trt_B
PYROXD1	3.26E-05	0.83871	0.462	0.35	0.520735	HC_vs_MS.Trt_B
2-Mar	3.27E-05	0.4884	0.516	0.4	0.522747	HC_vs_MS.Trt_B
DPYD	3.28E-05	0.63022	0.471	0.36	0.523757	HC_vs_MS.Trt_B
QTRT2	3.28E-05	0.42272	0.787	0.66	0.524456	HC_vs_MS.Trt_B
GRB2	3.31E-05	0.41014	0.645	0.53	0.528706	HC_vs_MS.Trt_B
LILRA6	3.31E-05	0.27215	0.523	0.41	0.52945	HC_vs_MS.Trt_B
ITGB8	3.35E-05	-0.4504	0.758	0.64	0.535843	HC_vs_MS.Trt_B
YARS	3.38E-05	0.42089	0.803	0.75	0.539498	HC_vs_MS.Trt_B

AP4B1	3.42E-05	-0.3095	0.622	0.51	0.545567	HC_vs_MS.Trt_B
DCAF11	3.45E-05	0.90402	0.796	0.63	0.551327	HC_vs_MS.Trt_B
MICU2	3.45E-05	0.8475	0.438	0.34	0.551596	HC_vs_MS.Trt_B
RFT1	3.46E-05	0.42578	0.467	0.34	0.552464	HC_vs_MS.Trt_B
FADS3	3.59E-05	0.2731	0.625	0.5	0.573261	HC_vs_MS.Trt_B
MLH1	3.61E-05	1.32124	0.364	0.25	0.575873	HC_vs_MS.Trt_B
CDHR3	3.65E-05	0.38295	0.617	0.51	0.582955	HC_vs_MS.Trt_B
TSPAN32	3.67E-05	0.51976	0.274	0.17	0.586461	HC_vs_MS.Trt_B
MCAM	3.68E-05	0.27086	0.451	0.34	0.588358	HC_vs_MS.Trt_B
ZNF831	3.69E-05	0.39212	0.236	0.14	0.589307	HC_vs_MS.Trt_B
KRIT1	3.69E-05	0.3191	0.61	0.5	0.589441	HC_vs_MS.Trt_B
DMPK	3.73E-05	-0.3272	0.588	0.46	0.595349	HC_vs_MS.Trt_B
ZNF500	3.78E-05	-0.4364	0.613	0.47	0.603036	HC_vs_MS.Trt_B
FAM20B	3.78E-05	0.39125	0.565	0.42	0.60384	HC_vs_MS.Trt_B
MIER2	3.80E-05	0.50917	0.529	0.39	0.606472	HC_vs_MS.Trt_B
ANKHD1	3.80E-05	0.33262	0.43	0.32	0.606809	HC_vs_MS.Trt_B
ANKFY1	3.85E-05	0.47987	0.617	0.5	0.615079	HC_vs_MS.Trt_B
ATPAF1	3.89E-05	1.03266	0.235	0.14	0.620748	HC_vs_MS.Trt_B
FAM219B	3.91E-05	0.39462	0.477	0.35	0.624264	HC_vs_MS.Trt_B
ECHDC1	3.93E-05	-0.6438	0.797	0.69	0.62811	HC_vs_MS.Trt_B
MYEF2	3.95E-05	0.38462	0.451	0.33	0.630534	HC_vs_MS.Trt_B
CEP76	3.97E-05	0.58353	0.787	0.7	0.63369	HC_vs_MS.Trt_B
LIMK2	3.97E-05	0.67489	0.201	0.11	0.633985	HC_vs_MS.Trt_B
IPP	3.99E-05	0.2503	0.43	0.3	0.636972	HC_vs_MS.Trt_B
PAM	4.00E-05	0.87183	0.325	0.22	0.638815	HC_vs_MS.Trt_B
BMF	4.02E-05	0.35059	0.139	0.06	0.641532	HC_vs_MS.Trt_B
TRIM6	4.06E-05	0.28243	0.522	0.39	0.648379	HC_vs_MS.Trt_B
ADGRA3	4.08E-05	0.35974	0.393	0.29	0.651206	HC_vs_MS.Trt_B
LIMD1	4.09E-05	0.35554	0.813	0.7	0.653198	HC_vs_MS.Trt_B
HERPUD2	4.10E-05	0.37419	0.481	0.38	0.654177	HC_vs_MS.Trt_B
ZNF486	4.13E-05	0.54977	0.649	0.56	0.659564	HC_vs_MS.Trt_B
MTA3	4.16E-05	-0.3501	0.641	0.52	0.664319	HC_vs_MS.Trt_B
MED20	4.17E-05	-0.5323	0.314	0.2	0.665459	HC_vs_MS.Trt_B
CYBA	4.18E-05	0.5205	0.255	0.16	0.667179	HC_vs_MS.Trt_B
METTTL16	4.20E-05	0.29672	0.759	0.66	0.671314	HC_vs_MS.Trt_B
FOCAD	4.24E-05	0.47534	0.529	0.4	0.677496	HC_vs_MS.Trt_B
NDUFS4	4.25E-05	0.63184	0.267	0.17	0.678781	HC_vs_MS.Trt_B
TBCK	4.28E-05	0.30402	0.725	0.59	0.683371	HC_vs_MS.Trt_B
DDX18	4.29E-05	-0.2536	0.745	0.61	0.684997	HC_vs_MS.Trt_B
PACS1	4.31E-05	0.34851	0.817	0.74	0.687648	HC_vs_MS.Trt_B

TAP1	4.31E-05	0.43229	0.617	0.51	0.688271	HC_vs_MS.Trt_B
ITGB7	4.31E-05	0.52397	0.37	0.26	0.68875	HC_vs_MS.Trt_B
GRAP	4.32E-05	0.83025	0.204	0.12	0.690608	HC_vs_MS.Trt_B
GTF2IRD1	4.33E-05	0.28155	0.645	0.53	0.691665	HC_vs_MS.Trt_B
PGA3	4.35E-05	0.50892	0.291	0.19	0.695181	HC_vs_MS.Trt_B
ACTN1	4.38E-05	0.321	0.599	0.48	0.699805	HC_vs_MS.Trt_B
MAFF	4.39E-05	0.37988	0.642	0.52	0.700902	HC_vs_MS.Trt_B
EPT1	4.39E-05	0.28725	0.336	0.22	0.701602	HC_vs_MS.Trt_B
ADCK1	4.40E-05	0.72471	0.274	0.18	0.703051	HC_vs_MS.Trt_B
ZNF224	4.40E-05	0.75982	0.458	0.36	0.703504	HC_vs_MS.Trt_B
CEACAM8	4.41E-05	0.30048	0.504	0.41	0.704683	HC_vs_MS.Trt_B
B4GALT4	4.42E-05	0.56304	0.604	0.48	0.705826	HC_vs_MS.Trt_B
CHI3L1	4.51E-05	0.34204	0.314	0.21	0.721045	HC_vs_MS.Trt_B
FAM161A	4.52E-05	0.26442	0.614	0.51	0.72273	HC_vs_MS.Trt_B
CPSF4	4.56E-05	0.62855	0.357	0.24	0.728952	HC_vs_MS.Trt_B
TMEM45B	4.57E-05	0.32089	0.603	0.48	0.730123	HC_vs_MS.Trt_B
PRPF40A	4.59E-05	-0.3068	0.465	0.32	0.733548	HC_vs_MS.Trt_B
LRTOMT	4.62E-05	0.25473	0.803	0.73	0.737654	HC_vs_MS.Trt_B
HYPK	4.65E-05	0.32054	0.903	0.8	0.742842	HC_vs_MS.Trt_B
TRAF1	4.68E-05	0.46329	0.322	0.21	0.747334	HC_vs_MS.Trt_B
RRAGC	4.69E-05	0.69115	0.509	0.39	0.748769	HC_vs_MS.Trt_B
PAGR1	4.69E-05	0.45714	0.183	0.1	0.749139	HC_vs_MS.Trt_B
POM121	4.69E-05	0.36724	0.397	0.27	0.74921	HC_vs_MS.Trt_B
THSD4	4.71E-05	0.41617	0.362	0.25	0.75227	HC_vs_MS.Trt_B
NFATC2	4.75E-05	0.44249	0.178	0.09	0.758679	HC_vs_MS.Trt_B
HOXB2	4.76E-05	0.87557	0.123	0.05	0.760874	HC_vs_MS.Trt_B
PDCD6	4.77E-05	-0.2842	0.667	0.53	0.761983	HC_vs_MS.Trt_B
NUDCD2	4.77E-05	-0.2522	0.767	0.65	0.762386	HC_vs_MS.Trt_B
SLC50A1	4.83E-05	0.2616	0.745	0.66	0.771683	HC_vs_MS.Trt_B
IKZF2	4.89E-05	0.28646	0.357	0.25	0.780567	HC_vs_MS.Trt_B
BCAP29	4.90E-05	0.70964	0.374	0.25	0.782139	HC_vs_MS.Trt_B
OTUB1	4.97E-05	-0.3275	0.929	0.8	0.794286	HC_vs_MS.Trt_B
NATD1	4.98E-05	0.63754	0.481	0.37	0.794913	HC_vs_MS.Trt_B
MCUR1	5.03E-05	0.48193	0.786	0.69	0.804226	HC_vs_MS.Trt_B
NUP43	5.04E-05	-0.2997	0.843	0.72	0.80475	HC_vs_MS.Trt_B
HPS1	5.07E-05	0.30405	0.6	0.45	0.809553	HC_vs_MS.Trt_B
VENTX	5.08E-05	0.26697	0.403	0.29	0.81122	HC_vs_MS.Trt_B
GALNS	5.15E-05	0.60222	0.542	0.42	0.822945	HC_vs_MS.Trt_B
DDX25	5.16E-05	0.33732	0.654	0.54	0.823773	HC_vs_MS.Trt_B
EVC	5.21E-05	1.01548	0.242	0.15	0.83224	HC_vs_MS.Trt_B

PPARD	5.23E-05	0.38068	0.529	0.41	0.834998	HC_vs_MS.Trt_B
OPN3	5.25E-05	0.71067	0.294	0.19	0.838745	HC_vs_MS.Trt_B
NSUN2	5.27E-05	0.47088	0.659	0.53	0.842331	HC_vs_MS.Trt_B
ASGR1	5.28E-05	0.30399	0.455	0.35	0.843771	HC_vs_MS.Trt_B
NXF1	5.29E-05	0.46159	0.559	0.43	0.844341	HC_vs_MS.Trt_B
ZNF845	5.29E-05	0.41658	0.645	0.51	0.845146	HC_vs_MS.Trt_B
HUNK	5.36E-05	0.26184	0.419	0.31	0.856702	HC_vs_MS.Trt_B
KLHL33	5.37E-05	0.25402	0.497	0.39	0.857134	HC_vs_MS.Trt_B
PALM	5.40E-05	0.26196	0.535	0.44	0.861987	HC_vs_MS.Trt_B
STAM2	5.40E-05	0.52949	0.532	0.42	0.863075	HC_vs_MS.Trt_B
FOXJ2	5.42E-05	0.53505	0.449	0.33	0.865046	HC_vs_MS.Trt_B
COL1A1	5.43E-05	0.40026	0.497	0.39	0.868053	HC_vs_MS.Trt_B
DCDC1	5.45E-05	0.38492	0.48	0.37	0.869902	HC_vs_MS.Trt_B
UROS	5.46E-05	0.6877	0.457	0.34	0.872107	HC_vs_MS.Trt_B
HSD17B12	5.53E-05	0.34017	0.475	0.35	0.883746	HC_vs_MS.Trt_B
GPA33	5.55E-05	0.73928	0.146	0.07	0.885773	HC_vs_MS.Trt_B
GTF2E2	5.61E-05	0.61023	0.588	0.46	0.895506	HC_vs_MS.Trt_B
PHGDH	5.68E-05	0.28755	0.241	0.14	0.907843	HC_vs_MS.Trt_B
PTPRS	5.80E-05	0.32676	0.509	0.39	0.926203	HC_vs_MS.Trt_B
SLC35G1	5.80E-05	0.61331	0.146	0.07	0.926975	HC_vs_MS.Trt_B
TNFSF14	5.83E-05	0.57039	0.606	0.49	0.930761	HC_vs_MS.Trt_B
ZNF430	5.84E-05	-0.4071	0.923	0.83	0.933332	HC_vs_MS.Trt_B
DNAJC7	5.86E-05	0.27423	0.977	0.95	0.935676	HC_vs_MS.Trt_B
NT5C3B	5.87E-05	0.46834	0.616	0.51	0.938155	HC_vs_MS.Trt_B
CLU	5.91E-05	0.4264	0.464	0.36	0.944626	HC_vs_MS.Trt_B
TRIP13	5.92E-05	0.36244	0.543	0.44	0.945732	HC_vs_MS.Trt_B
RBM33	5.97E-05	0.31938	0.29	0.19	0.954335	HC_vs_MS.Trt_B
GNL2	5.99E-05	0.64818	0.63	0.53	0.956996	HC_vs_MS.Trt_B
DDX19B	6.02E-05	-0.7254	0.432	0.31	0.961962	HC_vs_MS.Trt_B
NDUFA9	6.03E-05	-0.5052	0.868	0.73	0.962446	HC_vs_MS.Trt_B
LSM8	6.04E-05	-0.4742	0.861	0.75	0.965084	HC_vs_MS.Trt_B
CCDC141	6.06E-05	0.26725	0.622	0.51	0.968007	HC_vs_MS.Trt_B
PLK3	6.09E-05	0.45568	0.683	0.58	0.972745	HC_vs_MS.Trt_B
C10orf76	6.12E-05	0.45839	0.333	0.22	0.978141	HC_vs_MS.Trt_B
TAB2	6.23E-05	-0.5006	0.584	0.44	0.994819	HC_vs_MS.Trt_B
KIF23	6.26E-05	0.29657	0.523	0.39	1	HC_vs_MS.Trt_B
PNPLA4	6.28E-05	-0.8686	0.284	0.18	1	HC_vs_MS.Trt_B
GTF3C2	6.34E-05	0.46115	0.532	0.41	1	HC_vs_MS.Trt_B
FUK	6.38E-05	0.32611	0.542	0.43	1	HC_vs_MS.Trt_B
CCNY	6.39E-05	0.31254	0.441	0.33	1	HC_vs_MS.Trt_B

HYLS1	6.39E-05	1.15696	0.39	0.28	1	HC_vs_MS.Trt_B
FSD1	6.39E-05	0.25687	0.39	0.28	1	HC_vs_MS.Trt_B
TUBGCP4	6.41E-05	0.62126	0.784	0.7	1	HC_vs_MS.Trt_B
CREB1	6.44E-05	0.45945	0.643	0.55	1	HC_vs_MS.Trt_B
LRFN1	6.44E-05	0.93387	0.142	0.07	1	HC_vs_MS.Trt_B
SEMA4C	6.48E-05	-0.5898	0.762	0.64	1	HC_vs_MS.Trt_B
CDKL1	6.51E-05	-0.4399	0.704	0.59	1	HC_vs_MS.Trt_B
FAM53C	6.51E-05	0.42187	0.786	0.68	1	HC_vs_MS.Trt_B
CYP4F11	6.58E-05	0.39161	0.367	0.28	1	HC_vs_MS.Trt_B
MAP4K2	6.63E-05	0.57145	0.642	0.56	1	HC_vs_MS.Trt_B
BEND6	6.67E-05	0.38501	0.197	0.11	1	HC_vs_MS.Trt_B
PUM2	6.80E-05	0.76205	0.33	0.23	1	HC_vs_MS.Trt_B
TATDN1	6.85E-05	0.32775	0.664	0.59	1	HC_vs_MS.Trt_B
CDON	6.87E-05	0.37382	0.458	0.35	1	HC_vs_MS.Trt_B
UTRN	6.88E-05	0.28867	0.546	0.44	1	HC_vs_MS.Trt_B
GAN	6.90E-05	-0.3191	0.812	0.74	1	HC_vs_MS.Trt_B
NEURL1	6.90E-05	0.25573	0.3	0.2	1	HC_vs_MS.Trt_B
TBC1D24	6.94E-05	-0.285	0.706	0.6	1	HC_vs_MS.Trt_B
ATP8B2	6.95E-05	0.51765	0.807	0.71	1	HC_vs_MS.Trt_B
KIAA1549	6.96E-05	0.25376	0.381	0.27	1	HC_vs_MS.Trt_B
FAM78A	6.96E-05	0.45176	0.365	0.26	1	HC_vs_MS.Trt_B
TRIM5	6.97E-05	0.64156	0.468	0.36	1	HC_vs_MS.Trt_B
LCLAT1	6.98E-05	0.25539	0.812	0.68	1	HC_vs_MS.Trt_B
DRC3	7.00E-05	0.4416	0.591	0.49	1	HC_vs_MS.Trt_B
ZMAT1	7.01E-05	0.91284	0.341	0.24	1	HC_vs_MS.Trt_B
RBBP9	7.04E-05	0.96854	0.33	0.23	1	HC_vs_MS.Trt_B
DMAP1	7.05E-05	-0.3006	0.441	0.31	1	HC_vs_MS.Trt_B
CCDC14	7.09E-05	-0.3281	0.228	0.13	1	HC_vs_MS.Trt_B
SCN1A	7.22E-05	0.32565	0.372	0.26	1	HC_vs_MS.Trt_B
SLC24A1	7.37E-05	-0.3768	0.468	0.34	1	HC_vs_MS.Trt_B
CCDC124	7.37E-05	0.26991	0.486	0.37	1	HC_vs_MS.Trt_B
SPTLC1	7.41E-05	-0.6268	0.723	0.6	1	HC_vs_MS.Trt_B
PLEKHD1	7.42E-05	0.32499	0.706	0.61	1	HC_vs_MS.Trt_B
MUC20	7.46E-05	0.61761	0.536	0.41	1	HC_vs_MS.Trt_B
LCN12	7.50E-05	0.34728	0.274	0.18	1	HC_vs_MS.Trt_B
MAP3K10	7.55E-05	0.54424	0.354	0.24	1	HC_vs_MS.Trt_B
RC3H1	7.73E-05	0.26233	0.438	0.35	1	HC_vs_MS.Trt_B
NAGK	7.74E-05	0.55065	0.733	0.65	1	HC_vs_MS.Trt_B
CD40LG	7.75E-05	0.51766	0.22	0.13	1	HC_vs_MS.Trt_B
APOL1	7.82E-05	0.63391	0.7	0.59	1	HC_vs_MS.Trt_B

ALS2	7.86E-05	0.34593	0.435	0.31	1	HC_vs_MS.Trt_B
GPLD1	7.87E-05	0.93827	0.684	0.63	1	HC_vs_MS.Trt_B
HOPX	7.92E-05	-0.2707	0.817	0.69	1	HC_vs_MS.Trt_B
RAD9B	7.92E-05	-0.4373	0.391	0.29	1	HC_vs_MS.Trt_B
AFAP1	7.97E-05	-0.3149	0.391	0.28	1	HC_vs_MS.Trt_B
STRA6	7.98E-05	0.29022	0.548	0.45	1	HC_vs_MS.Trt_B
PKHD1L1	8.02E-05	0.36859	0.446	0.33	1	HC_vs_MS.Trt_B
PHLPP1	8.05E-05	0.36154	0.719	0.6	1	HC_vs_MS.Trt_B
ICE2	8.06E-05	-0.3605	0.829	0.77	1	HC_vs_MS.Trt_B
MPP7	8.09E-05	0.76991	0.255	0.16	1	HC_vs_MS.Trt_B
CCNF	8.09E-05	0.47726	0.439	0.34	1	HC_vs_MS.Trt_B
TGFB111	8.16E-05	0.80854	0.258	0.17	1	HC_vs_MS.Trt_B
BCKDHB	8.31E-05	-0.5422	0.584	0.48	1	HC_vs_MS.Trt_B
GAB3	8.35E-05	-0.449	0.346	0.23	1	HC_vs_MS.Trt_B
CCDC9	8.40E-05	0.36477	0.265	0.17	1	HC_vs_MS.Trt_B
ZDHC13	8.46E-05	-0.6456	0.739	0.6	1	HC_vs_MS.Trt_B
ADSL	8.49E-05	0.31422	0.872	0.77	1	HC_vs_MS.Trt_B
ADAMTSL5	8.52E-05	0.28903	0.291	0.19	1	HC_vs_MS.Trt_B
HAPLN3	8.57E-05	0.40678	0.196	0.11	1	HC_vs_MS.Trt_B
C2orf88	8.59E-05	0.64549	0.345	0.24	1	HC_vs_MS.Trt_B
NCALD	8.60E-05	0.3436	0.699	0.61	1	HC_vs_MS.Trt_B
RBM14	8.65E-05	0.55128	0.223	0.14	1	HC_vs_MS.Trt_B
APOOL	8.65E-05	-0.3518	0.771	0.65	1	HC_vs_MS.Trt_B
LDB1	8.67E-05	0.46755	0.142	0.07	1	HC_vs_MS.Trt_B
HSP90AB1	8.83E-05	0.25847	0.532	0.41	1	HC_vs_MS.Trt_B
KRBA2	8.90E-05	0.33162	0.37	0.26	1	HC_vs_MS.Trt_B
PCBP3	8.95E-05	0.56219	0.459	0.34	1	HC_vs_MS.Trt_B
IFT88	8.98E-05	-0.9138	0.549	0.43	1	HC_vs_MS.Trt_B
FUT10	9.07E-05	-0.4448	0.358	0.28	1	HC_vs_MS.Trt_B
CRTC2	9.12E-05	0.41238	0.387	0.27	1	HC_vs_MS.Trt_B
KLK2	9.19E-05	0.35399	0.341	0.24	1	HC_vs_MS.Trt_B
ATP1A3	9.22E-05	0.88479	0.361	0.26	1	HC_vs_MS.Trt_B
WAC	9.22E-05	0.38193	0.445	0.33	1	HC_vs_MS.Trt_B
JUND	9.29E-05	0.30834	0.162	0.09	1	HC_vs_MS.Trt_B
DYNLL1	9.31E-05	0.504	0.31	0.22	1	HC_vs_MS.Trt_B
CDK19	9.37E-05	0.68754	0.313	0.21	1	HC_vs_MS.Trt_B
PPP3CC	9.48E-05	0.58763	0.207	0.12	1	HC_vs_MS.Trt_B
SHMT2	9.50E-05	0.30825	0.304	0.2	1	HC_vs_MS.Trt_B
GRK4	9.58E-05	0.71586	0.565	0.49	1	HC_vs_MS.Trt_B
ZNF726	9.61E-05	-0.2899	0.858	0.74	1	HC_vs_MS.Trt_B

AGPAT5	9.61E-05	0.70019	0.141	0.07	1	HC_vs_MS.Trt_B
RIF1	9.63E-05	0.4101	0.591	0.45	1	HC_vs_MS.Trt_B
INHBE	9.83E-05	0.30709	0.364	0.26	1	HC_vs_MS.Trt_B
OCEL1	9.87E-05	0.62872	0.517	0.41	1	HC_vs_MS.Trt_B
DBP	9.88E-05	0.31604	0.661	0.54	1	HC_vs_MS.Trt_B
SIAE	9.89E-05	0.4557	0.599	0.49	1	HC_vs_MS.Trt_B
SMC5	9.93E-05	0.35825	0.386	0.28	1	HC_vs_MS.Trt_B
EXOSC2	9.93E-05	-0.4844	0.751	0.63	1	HC_vs_MS.Trt_B
TIAL1	1.00E-04	-0.388	0.862	0.74	1	HC_vs_MS.Trt_B
ROCK2	1.01E-04	0.56098	0.439	0.34	1	HC_vs_MS.Trt_B
SLC44A1	1.01E-04	0.93812	0.628	0.57	1	HC_vs_MS.Trt_B
DIAPH2	1.01E-04	0.40346	0.304	0.2	1	HC_vs_MS.Trt_B
ATP5H	1.01E-04	-0.6159	0.738	0.64	1	HC_vs_MS.Trt_B
BAZ1A	1.01E-04	-0.2695	0.374	0.26	1	HC_vs_MS.Trt_B
PIGR	1.02E-04	0.26678	0.557	0.45	1	HC_vs_MS.Trt_B
RPAP1	1.03E-04	0.38833	0.803	0.69	1	HC_vs_MS.Trt_B
LNPK	1.03E-04	-0.3782	0.519	0.41	1	HC_vs_MS.Trt_B
JAM2	1.03E-04	0.2654	0.5	0.41	1	HC_vs_MS.Trt_B
FBXO31	1.03E-04	0.91323	0.3	0.2	1	HC_vs_MS.Trt_B
OR52I1	1.03E-04	0.48272	0.458	0.34	1	HC_vs_MS.Trt_B
TRPV1	1.05E-04	1.05423	0.401	0.29	1	HC_vs_MS.Trt_B
CEP95	1.05E-04	-0.4368	0.426	0.29	1	HC_vs_MS.Trt_B
PCDHGA1	1.05E-04	-0.3645	0.317	0.21	1	HC_vs_MS.Trt_B
HSPA1B	1.06E-04	0.55935	0.201	0.12	1	HC_vs_MS.Trt_B
MT-ND5	1.06E-04	-0.5359	0.849	0.85	1	HC_vs_MS.Trt_B
EFNA5	1.06E-04	0.44391	0.378	0.28	1	HC_vs_MS.Trt_B
ATF7IP2	1.06E-04	0.29423	0.535	0.42	1	HC_vs_MS.Trt_B
ZNF879	1.07E-04	0.4017	0.312	0.21	1	HC_vs_MS.Trt_B
N4BP2L1	1.07E-04	-0.3642	0.561	0.44	1	HC_vs_MS.Trt_B
LGALS9	1.07E-04	0.31266	0.299	0.2	1	HC_vs_MS.Trt_B
DCAF13	1.08E-04	-0.3607	0.625	0.5	1	HC_vs_MS.Trt_B
APBB2	1.09E-04	0.34662	0.317	0.22	1	HC_vs_MS.Trt_B
DHX37	1.09E-04	0.30382	0.455	0.35	1	HC_vs_MS.Trt_B
DHRS1	1.10E-04	0.30055	0.628	0.51	1	HC_vs_MS.Trt_B
PANK2	1.12E-04	1.43898	0.517	0.42	1	HC_vs_MS.Trt_B
NUP85	1.12E-04	0.63628	0.475	0.36	1	HC_vs_MS.Trt_B
AC025335.1	1.12E-04	0.25858	0.613	0.49	1	HC_vs_MS.Trt_B
TMEM184C	1.12E-04	0.35422	0.533	0.41	1	HC_vs_MS.Trt_B
CDCA3	1.14E-04	0.63184	0.57	0.46	1	HC_vs_MS.Trt_B
ZNF619	1.15E-04	0.75967	0.716	0.61	1	HC_vs_MS.Trt_B

FUT6	1.15E-04	0.64527	0.404	0.29	1	HC_vs_MS.Trt_B
CAPZA1	1.16E-04	-0.668	0.757	0.81	1	HC_vs_MS.Trt_B
PEX13	1.17E-04	0.45782	0.762	0.69	1	HC_vs_MS.Trt_B
SNTG1	1.17E-04	0.2702	0.532	0.43	1	HC_vs_MS.Trt_B
SIPA1L3	1.18E-04	0.28651	0.619	0.5	1	HC_vs_MS.Trt_B
ALG13	1.19E-04	0.37069	0.284	0.19	1	HC_vs_MS.Trt_B
TFR2	1.20E-04	-0.3918	0.696	0.58	1	HC_vs_MS.Trt_B
UBA3	1.21E-04	0.2737	0.446	0.33	1	HC_vs_MS.Trt_B
PPAN	1.21E-04	0.60249	0.368	0.27	1	HC_vs_MS.Trt_B
CTH	1.22E-04	0.41918	0.626	0.51	1	HC_vs_MS.Trt_B
ENTPD7	1.23E-04	0.3774	0.345	0.24	1	HC_vs_MS.Trt_B
NAA30	1.23E-04	0.33673	0.443	0.34	1	HC_vs_MS.Trt_B
HUS1	1.23E-04	-0.3123	0.475	0.37	1	HC_vs_MS.Trt_B
ADRA1A	1.23E-04	0.25376	0.593	0.49	1	HC_vs_MS.Trt_B
PLCD4	1.24E-04	0.67747	0.286	0.19	1	HC_vs_MS.Trt_B
GAL3ST4	1.25E-04	1.43192	0.449	0.35	1	HC_vs_MS.Trt_B
FAH	1.26E-04	0.34522	0.141	0.07	1	HC_vs_MS.Trt_B
ITFG2	1.27E-04	0.25764	0.309	0.21	1	HC_vs_MS.Trt_B
TRMT5	1.28E-04	1.09497	0.165	0.09	1	HC_vs_MS.Trt_B
RENBP	1.28E-04	0.31466	0.82	0.71	1	HC_vs_MS.Trt_B
ZMYND8	1.28E-04	-0.3919	0.33	0.22	1	HC_vs_MS.Trt_B
CRTAP	1.29E-04	0.41145	0.522	0.43	1	HC_vs_MS.Trt_B
MMP24-AS1	1.29E-04	0.40168	0.725	0.61	1	HC_vs_MS.Trt_B
MRPS21	1.29E-04	-0.3254	0.554	0.42	1	HC_vs_MS.Trt_B
ANKRD30B	1.31E-04	0.40086	0.496	0.39	1	HC_vs_MS.Trt_B
MAP2K7	1.31E-04	0.29445	0.609	0.51	1	HC_vs_MS.Trt_B
GJB4	1.32E-04	0.2848	0.651	0.55	1	HC_vs_MS.Trt_B
PLS1	1.32E-04	0.49848	0.283	0.19	1	HC_vs_MS.Trt_B
TMX3	1.32E-04	-0.2567	0.417	0.3	1	HC_vs_MS.Trt_B
SH3BP1	1.33E-04	0.73658	0.109	0.05	1	HC_vs_MS.Trt_B
RAPGEF6	1.33E-04	0.43336	0.536	0.44	1	HC_vs_MS.Trt_B
CHRNA7	1.34E-04	0.29021	0.794	0.7	1	HC_vs_MS.Trt_B
LARP4	1.34E-04	0.615	0.358	0.25	1	HC_vs_MS.Trt_B
CHDH	1.35E-04	0.34464	0.472	0.37	1	HC_vs_MS.Trt_B
SF3A1	1.37E-04	0.53919	0.349	0.26	1	HC_vs_MS.Trt_B
1-Mar	1.37E-04	0.42601	0.583	0.47	1	HC_vs_MS.Trt_B
MSANTD1	1.37E-04	-0.7334	0.441	0.35	1	HC_vs_MS.Trt_B
SHQ1	1.38E-04	-0.3398	0.69	0.58	1	HC_vs_MS.Trt_B
GOT2	1.39E-04	0.29701	0.836	0.76	1	HC_vs_MS.Trt_B
DMXL1	1.39E-04	0.43672	0.171	0.09	1	HC_vs_MS.Trt_B



PIP5KL1	1.40E-04	0.33664	0.454	0.35	1	HC_vs_MS.Trt_B
GSTT1	1.40E-04	-1.0212	0.723	0.58	1	HC_vs_MS.Trt_B
BCAS1	1.41E-04	0.97715	0.345	0.25	1	HC_vs_MS.Trt_B
BTBD1	1.41E-04	0.4005	0.572	0.47	1	HC_vs_MS.Trt_B
PARPBP	1.41E-04	-0.6905	0.37	0.26	1	HC_vs_MS.Trt_B
ABCD4	1.41E-04	-0.2711	0.79	0.67	1	HC_vs_MS.Trt_B
WDR59	1.42E-04	-0.2822	0.954	0.85	1	HC_vs_MS.Trt_B
CP	1.42E-04	1.06034	0.148	0.08	1	HC_vs_MS.Trt_B
APBB1	1.42E-04	0.32765	0.238	0.15	1	HC_vs_MS.Trt_B
NRAS	1.43E-04	0.91589	0.304	0.21	1	HC_vs_MS.Trt_B
GID4	1.44E-04	0.47832	0.675	0.54	1	HC_vs_MS.Trt_B
SLC26A11	1.45E-04	0.31149	0.654	0.54	1	HC_vs_MS.Trt_B
KCNMB4	1.45E-04	0.64002	0.293	0.2	1	HC_vs_MS.Trt_B
CCDC113	1.46E-04	0.29792	0.639	0.54	1	HC_vs_MS.Trt_B
AL022397.1	1.46E-04	0.36418	0.238	0.15	1	HC_vs_MS.Trt_B
ERGIC2	1.47E-04	-0.4301	0.471	0.35	1	HC_vs_MS.Trt_B
ZFYVE16	1.47E-04	-0.4041	0.883	0.83	1	HC_vs_MS.Trt_B
DDOST	1.47E-04	0.29497	0.545	0.44	1	HC_vs_MS.Trt_B
MPP6	1.48E-04	0.74644	0.278	0.19	1	HC_vs_MS.Trt_B
PLA2G5	1.49E-04	0.28625	0.233	0.15	1	HC_vs_MS.Trt_B
TMEM134	1.50E-04	-0.3451	0.891	0.79	1	HC_vs_MS.Trt_B
CFP	1.50E-04	-0.6045	0.357	0.26	1	HC_vs_MS.Trt_B
KIAA2013	1.51E-04	-0.3475	0.307	0.21	1	HC_vs_MS.Trt_B
IKBIP	1.53E-04	0.59574	0.439	0.33	1	HC_vs_MS.Trt_B
TRAPPC11	1.54E-04	0.34361	0.413	0.31	1	HC_vs_MS.Trt_B
SERTAD1	1.55E-04	0.82517	0.339	0.23	1	HC_vs_MS.Trt_B
HSPA9	1.55E-04	0.54133	0.407	0.3	1	HC_vs_MS.Trt_B
MTIF2	1.56E-04	1.95277	0.41	0.32	1	HC_vs_MS.Trt_B
TPMT	1.56E-04	-0.428	0.726	0.61	1	HC_vs_MS.Trt_B
SVEP1	1.57E-04	0.31505	0.21	0.12	1	HC_vs_MS.Trt_B
ACTR3C	1.57E-04	0.78115	0.523	0.42	1	HC_vs_MS.Trt_B
VOPP1	1.58E-04	0.35341	0.326	0.23	1	HC_vs_MS.Trt_B
PHTF2	1.59E-04	0.38708	0.345	0.25	1	HC_vs_MS.Trt_B
ZNF781	1.59E-04	0.96068	0.291	0.19	1	HC_vs_MS.Trt_B
DAAM2	1.59E-04	0.26377	0.381	0.28	1	HC_vs_MS.Trt_B
METTL12	1.60E-04	0.6225	0.613	0.49	1	HC_vs_MS.Trt_B
GYG1	1.60E-04	0.37027	0.542	0.43	1	HC_vs_MS.Trt_B
TMEM2	1.62E-04	-0.2622	0.584	0.47	1	HC_vs_MS.Trt_B
NPIP3	1.64E-04	-0.266	0.668	0.52	1	HC_vs_MS.Trt_B
ATP6V0A1	1.64E-04	0.97626	0.828	0.73	1	HC_vs_MS.Trt_B

PSMA2	1.65E-04	-0.3342	0.554	0.44	1	HC_vs_MS.Trt_B
GTF3C5	1.66E-04	0.98076	0.301	0.21	1	HC_vs_MS.Trt_B
GIT1	1.66E-04	0.81717	0.209	0.13	1	HC_vs_MS.Trt_B
MAD2L1	1.67E-04	-0.2802	0.435	0.33	1	HC_vs_MS.Trt_B
LAT2	1.67E-04	0.25811	0.854	0.77	1	HC_vs_MS.Trt_B
C20orf196	1.68E-04	0.59145	0.355	0.24	1	HC_vs_MS.Trt_B
CENPM	1.68E-04	-0.4817	0.3	0.19	1	HC_vs_MS.Trt_B
SARM1	1.68E-04	-0.2568	0.443	0.32	1	HC_vs_MS.Trt_B
POGK	1.68E-04	1.22936	0.265	0.18	1	HC_vs_MS.Trt_B
POU5F1	1.71E-04	0.38017	0.478	0.39	1	HC_vs_MS.Trt_B
EML2	1.72E-04	0.59294	0.7	0.58	1	HC_vs_MS.Trt_B
ZBTB25	1.72E-04	-0.3428	0.955	0.89	1	HC_vs_MS.Trt_B
NFASC	1.73E-04	-0.3483	0.584	0.48	1	HC_vs_MS.Trt_B
SETD1B	1.75E-04	0.85747	0.201	0.12	1	HC_vs_MS.Trt_B
MFSD13A	1.77E-04	0.38859	0.712	0.58	1	HC_vs_MS.Trt_B
TMEM68	1.77E-04	0.28864	0.871	0.8	1	HC_vs_MS.Trt_B
CORIN	1.77E-04	0.27358	0.574	0.47	1	HC_vs_MS.Trt_B
SERPINB6	1.77E-04	-0.3902	0.484	0.37	1	HC_vs_MS.Trt_B
SLC25A43	1.77E-04	0.40665	0.241	0.15	1	HC_vs_MS.Trt_B
PTCH1	1.78E-04	0.39908	0.606	0.47	1	HC_vs_MS.Trt_B
GFOD1	1.79E-04	0.43018	0.593	0.5	1	HC_vs_MS.Trt_B
ERO1A	1.79E-04	-0.251	0.867	0.79	1	HC_vs_MS.Trt_B
KDM5D	1.81E-04	1.91143	0.316	0.22	1	HC_vs_MS.Trt_B
EIF2A	1.82E-04	-0.3036	0.597	0.47	1	HC_vs_MS.Trt_B
MPHOSPH9	1.82E-04	0.28217	0.806	0.75	1	HC_vs_MS.Trt_B
PCYT1B	1.83E-04	0.29445	0.483	0.4	1	HC_vs_MS.Trt_B
CBX1	1.85E-04	0.52267	0.272	0.18	1	HC_vs_MS.Trt_B
LMBR1	1.86E-04	0.38261	0.507	0.39	1	HC_vs_MS.Trt_B
NBPF19	1.87E-04	0.30757	0.446	0.34	1	HC_vs_MS.Trt_B
PKD2L2	1.87E-04	0.26738	0.687	0.56	1	HC_vs_MS.Trt_B
FBXL5	1.87E-04	0.32424	0.301	0.21	1	HC_vs_MS.Trt_B
OR7D2	1.87E-04	0.45025	0.249	0.16	1	HC_vs_MS.Trt_B
TMCO3	1.89E-04	0.43804	0.716	0.58	1	HC_vs_MS.Trt_B
PSMD13	1.89E-04	-0.3401	0.52	0.38	1	HC_vs_MS.Trt_B
ENDOV	1.90E-04	0.51477	0.577	0.48	1	HC_vs_MS.Trt_B
NAT10	1.90E-04	0.25338	0.354	0.25	1	HC_vs_MS.Trt_B
DPH1	1.90E-04	0.35623	0.855	0.8	1	HC_vs_MS.Trt_B
LYL1	1.91E-04	0.43764	0.397	0.29	1	HC_vs_MS.Trt_B
MAPK3	1.95E-04	0.26787	0.794	0.69	1	HC_vs_MS.Trt_B
XPNPEP1	1.95E-04	0.38879	0.287	0.19	1	HC_vs_MS.Trt_B

CPT1A	1.96E-04	0.40375	0.629	0.55	1	HC_vs_MS.Trt_B
NIT1	1.96E-04	0.33887	0.604	0.47	1	HC_vs_MS.Trt_B
TMEM33	1.98E-04	-0.4806	0.87	0.8	1	HC_vs_MS.Trt_B
SCYL3	1.99E-04	0.33435	0.659	0.58	1	HC_vs_MS.Trt_B
SLK	1.99E-04	0.36475	0.196	0.12	1	HC_vs_MS.Trt_B
TLN1	2.01E-04	0.36142	0.575	0.48	1	HC_vs_MS.Trt_B
BTF3L4	2.03E-04	0.56032	0.429	0.34	1	HC_vs_MS.Trt_B
NUP133	2.03E-04	0.62729	0.499	0.39	1	HC_vs_MS.Trt_B
PHLDA1	2.04E-04	0.5759	0.459	0.36	1	HC_vs_MS.Trt_B
PMS2	2.07E-04	0.26109	0.662	0.56	1	HC_vs_MS.Trt_B
SLC30A6	2.07E-04	-0.4506	0.607	0.5	1	HC_vs_MS.Trt_B
HOMER2	2.08E-04	-0.9314	0.552	0.46	1	HC_vs_MS.Trt_B
ATP7B	2.09E-04	0.70655	0.2	0.12	1	HC_vs_MS.Trt_B
PTK2B	2.10E-04	0.4759	0.393	0.29	1	HC_vs_MS.Trt_B
NRF1	2.10E-04	0.44663	0.29	0.2	1	HC_vs_MS.Trt_B
IRGM	2.13E-04	0.47808	0.396	0.29	1	HC_vs_MS.Trt_B
FAM186A	2.13E-04	0.31708	0.407	0.3	1	HC_vs_MS.Trt_B
RP11-849H4	2.15E-04	0.27317	0.596	0.48	1	HC_vs_MS.Trt_B
EME2	2.16E-04	0.68276	0.286	0.19	1	HC_vs_MS.Trt_B
RPS6KA6	2.16E-04	0.32761	0.552	0.46	1	HC_vs_MS.Trt_B
ZAP70	2.18E-04	0.36765	0.464	0.36	1	HC_vs_MS.Trt_B
GP6	2.19E-04	0.64504	0.459	0.35	1	HC_vs_MS.Trt_B
GNB2	2.19E-04	0.47199	0.491	0.38	1	HC_vs_MS.Trt_B
BTBD11	2.19E-04	0.43013	0.457	0.34	1	HC_vs_MS.Trt_B
RBM43	2.19E-04	0.66232	0.59	0.48	1	HC_vs_MS.Trt_B
BFAR	2.20E-04	0.73893	0.53	0.43	1	HC_vs_MS.Trt_B
MME	2.20E-04	0.33111	0.439	0.33	1	HC_vs_MS.Trt_B
SIKE1	2.22E-04	0.56759	0.394	0.29	1	HC_vs_MS.Trt_B
STAG3	2.24E-04	0.96943	0.18	0.1	1	HC_vs_MS.Trt_B
FAM110C	2.24E-04	0.86617	0.242	0.16	1	HC_vs_MS.Trt_B
STIM1	2.25E-04	0.27984	0.523	0.41	1	HC_vs_MS.Trt_B
WNT7A	2.26E-04	1.58461	0.103	0.04	1	HC_vs_MS.Trt_B
CNPPD1	2.26E-04	0.29809	0.293	0.2	1	HC_vs_MS.Trt_B
ZBTB24	2.27E-04	0.32005	0.341	0.25	1	HC_vs_MS.Trt_B
FEZ2	2.27E-04	0.75218	0.446	0.34	1	HC_vs_MS.Trt_B
ZNF266	2.28E-04	0.4364	0.335	0.24	1	HC_vs_MS.Trt_B
KCTD1	2.28E-04	0.27949	0.572	0.48	1	HC_vs_MS.Trt_B
MAST4	2.28E-04	0.36171	0.591	0.48	1	HC_vs_MS.Trt_B
TUBGCP3	2.28E-04	0.59841	0.167	0.09	1	HC_vs_MS.Trt_B
TNRC6A	2.29E-04	0.26126	0.764	0.7	1	HC_vs_MS.Trt_B

CATSPERB	2.30E-04	0.4004	0.622	0.51	1	HC_vs_MS.Trt_B
CHML	2.31E-04	0.54617	0.235	0.15	1	HC_vs_MS.Trt_B
USE1	2.32E-04	0.26003	0.852	0.77	1	HC_vs_MS.Trt_B
NDUFA11	2.33E-04	-0.3748	0.594	0.45	1	HC_vs_MS.Trt_B
SNF8	2.34E-04	-0.2592	0.826	0.73	1	HC_vs_MS.Trt_B
KMT5B	2.38E-04	1.11812	0.294	0.21	1	HC_vs_MS.Trt_B
ELP4	2.40E-04	-0.3542	0.529	0.44	1	HC_vs_MS.Trt_B
TMEM219	2.42E-04	0.32254	0.236	0.15	1	HC_vs_MS.Trt_B
NDUFS7	2.44E-04	-0.3928	0.725	0.59	1	HC_vs_MS.Trt_B
IFNGR2	2.44E-04	0.28503	0.31	0.23	1	HC_vs_MS.Trt_B
SEC24D	2.45E-04	0.45428	0.484	0.38	1	HC_vs_MS.Trt_B
FCRL1	2.49E-04	1.17498	0.249	0.16	1	HC_vs_MS.Trt_B
TRAPPC3	2.50E-04	0.35921	0.372	0.28	1	HC_vs_MS.Trt_B
ZDHHC4	2.52E-04	0.36966	0.401	0.29	1	HC_vs_MS.Trt_B
GOLGA2	2.52E-04	0.49828	0.636	0.5	1	HC_vs_MS.Trt_B
ZNF835	2.54E-04	0.34258	0.558	0.45	1	HC_vs_MS.Trt_B
SGTA	2.55E-04	0.39393	0.506	0.4	1	HC_vs_MS.Trt_B
NF1	2.55E-04	0.26683	0.723	0.62	1	HC_vs_MS.Trt_B
MIEF1	2.59E-04	-0.3013	0.465	0.35	1	HC_vs_MS.Trt_B
USP10	2.61E-04	0.43343	0.243	0.16	1	HC_vs_MS.Trt_B
ADAMTS17	2.61E-04	-0.7978	0.194	0.12	1	HC_vs_MS.Trt_B
ZNF681	2.63E-04	-0.3481	0.649	0.55	1	HC_vs_MS.Trt_B
FAS	2.63E-04	0.35143	0.348	0.24	1	HC_vs_MS.Trt_B
SLC47A2	2.63E-04	-0.3159	0.233	0.15	1	HC_vs_MS.Trt_B
MYOM1	2.64E-04	0.43624	0.264	0.17	1	HC_vs_MS.Trt_B
WAS	2.64E-04	0.82488	0.278	0.19	1	HC_vs_MS.Trt_B
CD7	2.65E-04	0.96178	0.242	0.16	1	HC_vs_MS.Trt_B
CWF19L2	2.71E-04	0.28675	0.316	0.22	1	HC_vs_MS.Trt_B
CLCN5	2.72E-04	0.35658	0.28	0.18	1	HC_vs_MS.Trt_B
SEL1L	2.72E-04	0.9471	0.193	0.12	1	HC_vs_MS.Trt_B
ZNF425	2.73E-04	0.35041	0.393	0.29	1	HC_vs_MS.Trt_B
GPR132	2.73E-04	0.5492	0.372	0.27	1	HC_vs_MS.Trt_B
HES2	2.73E-04	0.25181	0.587	0.51	1	HC_vs_MS.Trt_B
SRSF1	2.74E-04	0.34103	0.496	0.41	1	HC_vs_MS.Trt_B
PARP12	2.78E-04	0.3886	0.245	0.16	1	HC_vs_MS.Trt_B
ATP6V1H	2.78E-04	0.71292	0.371	0.27	1	HC_vs_MS.Trt_B
NUCKS1	2.79E-04	-0.2573	0.496	0.39	1	HC_vs_MS.Trt_B
GPSM3	2.80E-04	0.26948	0.454	0.35	1	HC_vs_MS.Trt_B
LMF2	2.81E-04	0.42034	0.213	0.13	1	HC_vs_MS.Trt_B
PIM1	2.82E-04	0.37463	0.384	0.28	1	HC_vs_MS.Trt_B

ZBTB37	2.83E-04	0.49987	0.664	0.55	1	HC_vs_MS.Trt_B
ABHD6	2.84E-04	-0.4756	0.461	0.34	1	HC_vs_MS.Trt_B
DNAJA1	2.85E-04	0.25295	0.286	0.19	1	HC_vs_MS.Trt_B
TBRG4	2.85E-04	0.78673	0.391	0.29	1	HC_vs_MS.Trt_B
SETD5	2.87E-04	0.39958	0.496	0.39	1	HC_vs_MS.Trt_B
MDH1	2.90E-04	-0.3559	0.609	0.49	1	HC_vs_MS.Trt_B
SLC25A53	2.90E-04	-0.5412	0.425	0.32	1	HC_vs_MS.Trt_B
FUT9	2.90E-04	0.26692	0.368	0.28	1	HC_vs_MS.Trt_B
RP11-226E2	2.90E-04	-0.5873	0.635	0.52	1	HC_vs_MS.Trt_B
ZNF213	2.91E-04	0.80713	0.455	0.33	1	HC_vs_MS.Trt_B
ZNF720	2.92E-04	-0.2667	0.497	0.38	1	HC_vs_MS.Trt_B
C1orf27	2.94E-04	1.39708	0.155	0.08	1	HC_vs_MS.Trt_B
RSL1D1	2.95E-04	-0.3149	0.846	0.73	1	HC_vs_MS.Trt_B
RALGAPA2	2.97E-04	0.81241	0.149	0.08	1	HC_vs_MS.Trt_B
RSRC1	2.98E-04	-0.555	0.739	0.6	1	HC_vs_MS.Trt_B
DEPDC4	2.99E-04	0.40158	0.438	0.34	1	HC_vs_MS.Trt_B
CTD-2192J10	3.01E-04	0.898	0.454	0.35	1	HC_vs_MS.Trt_B
FBXL17	3.05E-04	0.47937	0.243	0.16	1	HC_vs_MS.Trt_B
NSMCE3	3.05E-04	1.1357	0.319	0.22	1	HC_vs_MS.Trt_B
MBP	3.06E-04	0.40504	0.384	0.28	1	HC_vs_MS.Trt_B
CES4A	3.08E-04	0.36001	0.507	0.42	1	HC_vs_MS.Trt_B
ZNF284	3.10E-04	-0.8712	0.558	0.43	1	HC_vs_MS.Trt_B
IL1R1	3.11E-04	0.72823	0.317	0.22	1	HC_vs_MS.Trt_B
SPON2	3.13E-04	0.64771	0.383	0.28	1	HC_vs_MS.Trt_B
LRRC69	3.13E-04	0.33512	0.575	0.47	1	HC_vs_MS.Trt_B
USP38	3.15E-04	0.44587	0.312	0.22	1	HC_vs_MS.Trt_B
RBM7	3.15E-04	-0.3907	0.674	0.6	1	HC_vs_MS.Trt_B
KIAA1755	3.15E-04	0.37909	0.194	0.12	1	HC_vs_MS.Trt_B
MAPK1IP1L	3.15E-04	-0.2579	0.799	0.68	1	HC_vs_MS.Trt_B
TBC1D2B	3.16E-04	1.18352	0.294	0.21	1	HC_vs_MS.Trt_B
SARDH	3.17E-04	0.58806	0.388	0.29	1	HC_vs_MS.Trt_B
BCL7B	3.19E-04	0.41313	0.455	0.37	1	HC_vs_MS.Trt_B
TECRL	3.21E-04	0.27275	0.217	0.13	1	HC_vs_MS.Trt_B
RABIF	3.21E-04	0.87989	0.364	0.26	1	HC_vs_MS.Trt_B
GUSB	3.23E-04	-0.2511	0.681	0.58	1	HC_vs_MS.Trt_B
CDC42EP3	3.25E-04	0.26841	0.461	0.35	1	HC_vs_MS.Trt_B
ELAVL1	3.27E-04	0.36976	0.961	0.92	1	HC_vs_MS.Trt_B
RP11-9J18.1	3.27E-04	0.26928	0.262	0.17	1	HC_vs_MS.Trt_B
ZNF696	3.27E-04	-0.2829	0.316	0.22	1	HC_vs_MS.Trt_B
GBP2	3.29E-04	0.39318	0.416	0.32	1	HC_vs_MS.Trt_B

CTB-133G6.	3.35E-04	0.42841	0.268	0.18	1	HC_vs_MS.Trt_B
C1GALT1	3.36E-04	0.27736	0.564	0.47	1	HC_vs_MS.Trt_B
CD93	3.38E-04	0.50337	0.196	0.12	1	HC_vs_MS.Trt_B
U2AF1L4	3.38E-04	-0.2609	0.786	0.69	1	HC_vs_MS.Trt_B
UBFD1	3.38E-04	0.59154	0.367	0.26	1	HC_vs_MS.Trt_B
DNAJC14	3.40E-04	0.32047	0.599	0.5	1	HC_vs_MS.Trt_B
FBXL8	3.41E-04	0.48978	0.539	0.45	1	HC_vs_MS.Trt_B
XAB2	3.47E-04	0.69689	0.228	0.14	1	HC_vs_MS.Trt_B
EPHX2	3.48E-04	0.66891	0.294	0.21	1	HC_vs_MS.Trt_B
KCNK3	3.51E-04	0.35242	0.609	0.49	1	HC_vs_MS.Trt_B
PTPN12	3.52E-04	0.43261	0.717	0.63	1	HC_vs_MS.Trt_B
ANGPT2	3.53E-04	0.45954	0.726	0.65	1	HC_vs_MS.Trt_B
WDR76	3.53E-04	0.26009	0.658	0.55	1	HC_vs_MS.Trt_B
U2AF1L5	3.54E-04	-0.2572	0.632	0.51	1	HC_vs_MS.Trt_B
QSOX2	3.57E-04	-0.7588	0.158	0.09	1	HC_vs_MS.Trt_B
RCCD1	3.57E-04	0.26309	0.178	0.1	1	HC_vs_MS.Trt_B
TAF11	3.57E-04	0.62468	0.483	0.35	1	HC_vs_MS.Trt_B
MED11	3.58E-04	-0.3163	0.691	0.6	1	HC_vs_MS.Trt_B
FAM105A	3.60E-04	-0.2782	0.275	0.18	1	HC_vs_MS.Trt_B
WDR41	3.60E-04	-0.3354	0.422	0.32	1	HC_vs_MS.Trt_B
PDE4D	3.60E-04	0.49547	0.304	0.22	1	HC_vs_MS.Trt_B
GSTM2	3.61E-04	-0.3594	0.39	0.28	1	HC_vs_MS.Trt_B
ZCCHC7	3.61E-04	0.28535	0.312	0.22	1	HC_vs_MS.Trt_B
C8orf33	3.63E-04	0.96709	0.206	0.12	1	HC_vs_MS.Trt_B
SUPT5H	3.63E-04	0.34993	0.425	0.32	1	HC_vs_MS.Trt_B
TNFRSF14	3.65E-04	0.28038	0.32	0.22	1	HC_vs_MS.Trt_B
SPECC1L-AD	3.69E-04	0.58515	0.187	0.11	1	HC_vs_MS.Trt_B
CCDC120	3.70E-04	0.6161	0.464	0.36	1	HC_vs_MS.Trt_B
HMGCR	3.70E-04	-0.4782	0.68	0.57	1	HC_vs_MS.Trt_B
TIMM17A	3.72E-04	-0.3171	0.89	0.8	1	HC_vs_MS.Trt_B
MFSD8	3.73E-04	0.37982	0.377	0.29	1	HC_vs_MS.Trt_B
WTAP	3.75E-04	-0.6287	0.593	0.66	1	HC_vs_MS.Trt_B
IGBP1	3.78E-04	0.58034	0.213	0.13	1	HC_vs_MS.Trt_B
CCDC117	3.78E-04	-0.7049	0.299	0.21	1	HC_vs_MS.Trt_B
LIN54	3.78E-04	0.68618	0.548	0.44	1	HC_vs_MS.Trt_B
ESR2	3.79E-04	0.40075	0.542	0.42	1	HC_vs_MS.Trt_B
HERC5	3.79E-04	0.48473	0.21	0.13	1	HC_vs_MS.Trt_B
PSMD3	3.82E-04	0.31464	0.51	0.39	1	HC_vs_MS.Trt_B
PDZK1	3.84E-04	0.42261	0.299	0.21	1	HC_vs_MS.Trt_B
NBEAL1	3.86E-04	0.46787	0.87	0.78	1	HC_vs_MS.Trt_B

C9orf85	3.87E-04	-0.3396	0.865	0.8	1	HC_vs_MS.Trt_B
NDRG3	3.87E-04	0.32513	0.374	0.28	1	HC_vs_MS.Trt_B
ZNF783	3.88E-04	0.59785	0.442	0.34	1	HC_vs_MS.Trt_B
MYO10	3.89E-04	0.41412	0.667	0.59	1	HC_vs_MS.Trt_B
SEMA4F	3.90E-04	0.65993	0.486	0.4	1	HC_vs_MS.Trt_B
IL17RE	3.90E-04	0.25198	0.259	0.17	1	HC_vs_MS.Trt_B
TEX10	3.93E-04	-0.4351	0.465	0.35	1	HC_vs_MS.Trt_B
TMEM39B	3.94E-04	0.50707	0.17	0.1	1	HC_vs_MS.Trt_B
ABO	3.94E-04	0.4201	0.362	0.27	1	HC_vs_MS.Trt_B
RP11-1070B	3.94E-04	0.26704	0.186	0.11	1	HC_vs_MS.Trt_B
RRP1	3.94E-04	-0.8036	0.638	0.54	1	HC_vs_MS.Trt_B
PIP5K1A	3.94E-04	0.47301	0.493	0.39	1	HC_vs_MS.Trt_B
POLR1A	3.96E-04	-0.4075	0.672	0.56	1	HC_vs_MS.Trt_B
SLC44A2	3.97E-04	0.27976	0.722	0.64	1	HC_vs_MS.Trt_B
EPB41L4A	3.98E-04	-0.522	0.561	0.46	1	HC_vs_MS.Trt_B
MARS	3.99E-04	0.39568	0.381	0.29	1	HC_vs_MS.Trt_B
ADAL	4.01E-04	-0.3713	0.414	0.3	1	HC_vs_MS.Trt_B
HHLA3	4.01E-04	0.63139	0.343	0.25	1	HC_vs_MS.Trt_B
PHF7	4.02E-04	0.46467	0.459	0.35	1	HC_vs_MS.Trt_B
DDX3X	4.03E-04	-0.3104	0.329	0.22	1	HC_vs_MS.Trt_B
CALM3	4.04E-04	0.32034	0.43	0.34	1	HC_vs_MS.Trt_B
SNX22	4.04E-04	0.44616	0.803	0.66	1	HC_vs_MS.Trt_B
ATF2	4.05E-04	0.35935	0.213	0.14	1	HC_vs_MS.Trt_B
CRELD2	4.06E-04	0.28177	0.574	0.47	1	HC_vs_MS.Trt_B
PRRG3	4.08E-04	1.0817	0.597	0.51	1	HC_vs_MS.Trt_B
NTRK1	4.10E-04	0.54787	0.109	0.05	1	HC_vs_MS.Trt_B
SPCS3	4.11E-04	0.25553	0.491	0.39	1	HC_vs_MS.Trt_B
ADI1	4.14E-04	-0.3804	0.735	0.65	1	HC_vs_MS.Trt_B
POMK	4.14E-04	0.52934	0.536	0.43	1	HC_vs_MS.Trt_B
GPR83	4.16E-04	-0.5469	0.458	0.36	1	HC_vs_MS.Trt_B
ACACA	4.17E-04	0.79793	0.59	0.46	1	HC_vs_MS.Trt_B
FUBP1	4.19E-04	0.3522	0.362	0.27	1	HC_vs_MS.Trt_B
NUDT15	4.21E-04	0.47381	0.545	0.44	1	HC_vs_MS.Trt_B
UHRF2	4.22E-04	0.67008	0.251	0.17	1	HC_vs_MS.Trt_B
NDUFS3	4.25E-04	-0.5806	0.554	0.43	1	HC_vs_MS.Trt_B
C2orf50	4.34E-04	0.39255	0.351	0.26	1	HC_vs_MS.Trt_B
GNPNAT1	4.34E-04	-0.3084	0.513	0.4	1	HC_vs_MS.Trt_B
LZTS1	4.37E-04	0.32881	0.325	0.23	1	HC_vs_MS.Trt_B
BPNT1	4.39E-04	0.38821	0.659	0.57	1	HC_vs_MS.Trt_B
ARSG	4.39E-04	-0.2687	0.894	0.85	1	HC_vs_MS.Trt_B

CADPS	4.40E-04	0.34294	0.33	0.24	1	HC_vs_MS.Trt_B
AK5	4.40E-04	1.06369	0.142	0.07	1	HC_vs_MS.Trt_B
GLDN	4.42E-04	0.31217	0.206	0.13	1	HC_vs_MS.Trt_B
MYO5A	4.43E-04	0.3064	0.755	0.65	1	HC_vs_MS.Trt_B
CTD-2207O2	4.44E-04	0.7868	0.167	0.1	1	HC_vs_MS.Trt_B
TMEM5	4.44E-04	-0.3758	0.497	0.39	1	HC_vs_MS.Trt_B
MTHFR	4.47E-04	-0.2671	0.809	0.7	1	HC_vs_MS.Trt_B
MTHFD2L	4.47E-04	0.25776	0.497	0.39	1	HC_vs_MS.Trt_B
WDFY2	4.49E-04	0.73236	0.558	0.47	1	HC_vs_MS.Trt_B
CD38	4.50E-04	0.63956	0.335	0.25	1	HC_vs_MS.Trt_B
PSEN1	4.51E-04	-0.4502	0.68	0.58	1	HC_vs_MS.Trt_B
C16orf54	4.52E-04	-0.8031	0.761	0.73	1	HC_vs_MS.Trt_B
ANAPC4	4.53E-04	0.56241	0.262	0.18	1	HC_vs_MS.Trt_B
PCGF6	4.59E-04	-0.3004	0.701	0.59	1	HC_vs_MS.Trt_B
TXNL4A	4.60E-04	-0.5667	0.471	0.38	1	HC_vs_MS.Trt_B
ETV3	4.63E-04	0.48286	0.12	0.06	1	HC_vs_MS.Trt_B
METRNL	4.68E-04	-0.4827	0.12	0.06	1	HC_vs_MS.Trt_B
PQLC1	4.70E-04	0.28263	0.448	0.34	1	HC_vs_MS.Trt_B
ABHD18	4.72E-04	0.26891	0.833	0.73	1	HC_vs_MS.Trt_B
GABRE	4.74E-04	0.3444	0.206	0.13	1	HC_vs_MS.Trt_B
BTBD19	4.76E-04	-0.2891	0.726	0.63	1	HC_vs_MS.Trt_B
MCF2L	4.79E-04	0.49735	0.303	0.21	1	HC_vs_MS.Trt_B
AIFM2	4.80E-04	-0.8014	0.354	0.26	1	HC_vs_MS.Trt_B
BUB1B	4.84E-04	0.32765	0.378	0.3	1	HC_vs_MS.Trt_B
ARHGEF6	4.86E-04	0.37742	0.339	0.25	1	HC_vs_MS.Trt_B
ERCC4	4.88E-04	-0.2743	0.858	0.79	1	HC_vs_MS.Trt_B
SLC7A11	4.88E-04	0.27549	0.449	0.37	1	HC_vs_MS.Trt_B
HLTF	4.90E-04	-0.3526	0.513	0.4	1	HC_vs_MS.Trt_B
RTF1	4.94E-04	-0.3146	0.557	0.45	1	HC_vs_MS.Trt_B
FAM179A	4.95E-04	-0.5843	0.772	0.68	1	HC_vs_MS.Trt_B
CTTNBP2NL	4.95E-04	0.43894	0.441	0.34	1	HC_vs_MS.Trt_B
WDR1	4.96E-04	0.25196	0.377	0.28	1	HC_vs_MS.Trt_B
CDC14A	4.96E-04	-0.3193	0.229	0.14	1	HC_vs_MS.Trt_B
GTF2H2C	4.97E-04	0.49608	0.439	0.35	1	HC_vs_MS.Trt_B
NEIL1	4.97E-04	0.35157	0.757	0.65	1	HC_vs_MS.Trt_B
UBE2W	4.98E-04	-0.258	0.626	0.5	1	HC_vs_MS.Trt_B
GNG7	4.98E-04	0.29559	0.394	0.29	1	HC_vs_MS.Trt_B
GLCE	5.04E-04	0.96073	0.141	0.07	1	HC_vs_MS.Trt_B
SGK1	5.07E-04	0.3745	0.371	0.27	1	HC_vs_MS.Trt_B
C1orf216	5.10E-04	-0.386	0.81	0.68	1	HC_vs_MS.Trt_B



GMIP	5.11E-04	0.30763	0.254	0.17	1	HC_vs_MS.Trt_B
RPL6	5.18E-04	-0.262	0.962	0.92	1	HC_vs_MS.Trt_B
PCSK2	5.18E-04	0.31005	0.28	0.19	1	HC_vs_MS.Trt_B
FBXO16	5.18E-04	0.28833	0.262	0.18	1	HC_vs_MS.Trt_B
NDUFA2	5.19E-04	-0.4069	0.445	0.33	1	HC_vs_MS.Trt_B
TAB3	5.19E-04	-0.3839	0.674	0.56	1	HC_vs_MS.Trt_B
CLASP1	5.20E-04	0.27425	0.241	0.16	1	HC_vs_MS.Trt_B
TTC37	5.20E-04	0.47695	0.372	0.27	1	HC_vs_MS.Trt_B
ZNF12	5.22E-04	1.50487	0.329	0.24	1	HC_vs_MS.Trt_B
CARHSP1	5.25E-04	0.68741	0.632	0.54	1	HC_vs_MS.Trt_B
ZEB2	5.26E-04	-0.7558	0.6	0.51	1	HC_vs_MS.Trt_B
SOX5	5.27E-04	0.28371	0.174	0.1	1	HC_vs_MS.Trt_B
SMAP1	5.27E-04	0.38905	0.18	0.11	1	HC_vs_MS.Trt_B
KCTD21	5.28E-04	-0.4194	0.416	0.32	1	HC_vs_MS.Trt_B
PEX11A	5.29E-04	-0.3751	0.552	0.45	1	HC_vs_MS.Trt_B
AMBRA1	5.30E-04	0.7425	0.201	0.12	1	HC_vs_MS.Trt_B
NEBL	5.31E-04	0.352	0.287	0.2	1	HC_vs_MS.Trt_B
NMNAT1	5.33E-04	0.30854	0.977	0.94	1	HC_vs_MS.Trt_B
VPS36	5.35E-04	0.32769	0.28	0.19	1	HC_vs_MS.Trt_B
SHMT1	5.36E-04	-0.3143	0.367	0.27	1	HC_vs_MS.Trt_B
TGIF2	5.36E-04	0.67902	0.343	0.26	1	HC_vs_MS.Trt_B
SRSF12	5.38E-04	0.41587	0.297	0.21	1	HC_vs_MS.Trt_B
IL23R	5.40E-04	0.70066	0.343	0.25	1	HC_vs_MS.Trt_B
ZNF627	5.40E-04	-0.3144	0.568	0.45	1	HC_vs_MS.Trt_B
TLR3	5.43E-04	0.31672	0.286	0.21	1	HC_vs_MS.Trt_B
ERI2	5.47E-04	0.35991	0.148	0.08	1	HC_vs_MS.Trt_B
MS4A2	5.49E-04	0.52006	0.555	0.49	1	HC_vs_MS.Trt_B
RNF14	5.50E-04	-0.6578	0.603	0.48	1	HC_vs_MS.Trt_B
LMCD1	5.50E-04	-0.2889	0.284	0.19	1	HC_vs_MS.Trt_B
TRIOBP	5.57E-04	-0.4756	0.397	0.29	1	HC_vs_MS.Trt_B
COPS4	5.61E-04	-0.2836	0.468	0.35	1	HC_vs_MS.Trt_B
ZNF45	5.63E-04	-1.0582	0.284	0.19	1	HC_vs_MS.Trt_B
ATP2C1	5.66E-04	0.47934	0.152	0.09	1	HC_vs_MS.Trt_B
PDCD7	5.66E-04	0.4689	0.438	0.34	1	HC_vs_MS.Trt_B
PITPNM2	5.67E-04	0.30982	0.422	0.32	1	HC_vs_MS.Trt_B
ARHGAP11A	5.67E-04	0.53227	0.37	0.28	1	HC_vs_MS.Trt_B
SNX29	5.69E-04	0.29574	0.77	0.73	1	HC_vs_MS.Trt_B
BLOC1S2	5.70E-04	-0.3522	0.522	0.42	1	HC_vs_MS.Trt_B
VEZF1	5.75E-04	0.34626	0.201	0.12	1	HC_vs_MS.Trt_B
ZNRF1	5.75E-04	0.61561	0.274	0.19	1	HC_vs_MS.Trt_B

RP11-235E1	5.76E-04	0.44842	0.265	0.19	1	HC_vs_MS.Trt_B
SHC1	5.86E-04	0.27599	0.63	0.55	1	HC_vs_MS.Trt_B
SP140	5.89E-04	0.5377	0.212	0.13	1	HC_vs_MS.Trt_B
C15orf61	5.93E-04	-0.3288	0.58	0.45	1	HC_vs_MS.Trt_B
POLR3D	5.99E-04	0.49256	0.4	0.3	1	HC_vs_MS.Trt_B
ATP6V1A	6.00E-04	0.49226	0.472	0.38	1	HC_vs_MS.Trt_B
ETV4	6.01E-04	0.47083	0.101	0.05	1	HC_vs_MS.Trt_B
OSBPL2	6.04E-04	-0.2915	0.475	0.38	1	HC_vs_MS.Trt_B
TSC22D2	6.09E-04	0.44107	0.372	0.29	1	HC_vs_MS.Trt_B
KIAA1468	6.15E-04	-0.525	0.316	0.23	1	HC_vs_MS.Trt_B
C2orf49	6.16E-04	-0.4361	0.425	0.32	1	HC_vs_MS.Trt_B
ZMYM1	6.18E-04	0.51984	0.549	0.45	1	HC_vs_MS.Trt_B
TATDN3	6.19E-04	0.38567	0.775	0.7	1	HC_vs_MS.Trt_B
TOP3A	6.24E-04	0.45316	0.817	0.73	1	HC_vs_MS.Trt_B
RALGAPB	6.27E-04	0.54147	0.277	0.19	1	HC_vs_MS.Trt_B
PYCR2	6.28E-04	0.31974	0.614	0.53	1	HC_vs_MS.Trt_B
TTC39A	6.31E-04	0.30888	0.333	0.24	1	HC_vs_MS.Trt_B
ZNF514	6.34E-04	0.36486	0.597	0.48	1	HC_vs_MS.Trt_B
NUP58	6.34E-04	0.55805	0.332	0.24	1	HC_vs_MS.Trt_B
APCDD1	6.41E-04	0.26238	0.372	0.29	1	HC_vs_MS.Trt_B
9-Mar	6.44E-04	-0.3063	0.554	0.46	1	HC_vs_MS.Trt_B
FANCL	6.48E-04	0.69465	0.12	0.06	1	HC_vs_MS.Trt_B
HNRNPL	6.50E-04	-0.3972	0.745	0.74	1	HC_vs_MS.Trt_B
SERPINF1	6.51E-04	0.32022	0.752	0.65	1	HC_vs_MS.Trt_B
TXNL4B	6.54E-04	0.49292	0.354	0.26	1	HC_vs_MS.Trt_B
TTC14	6.56E-04	-0.2809	0.399	0.29	1	HC_vs_MS.Trt_B
SCARB2	6.56E-04	0.26318	0.3	0.21	1	HC_vs_MS.Trt_B
DGKD	6.60E-04	0.5787	0.604	0.53	1	HC_vs_MS.Trt_B
KIAA0586	6.62E-04	-0.2662	0.796	0.71	1	HC_vs_MS.Trt_B
ASZ1	6.67E-04	0.28695	0.454	0.36	1	HC_vs_MS.Trt_B
TUBA1C	6.69E-04	0.34796	0.588	0.48	1	HC_vs_MS.Trt_B
FBXO25	6.70E-04	0.41789	0.358	0.26	1	HC_vs_MS.Trt_B
CES2	6.77E-04	0.32805	0.316	0.22	1	HC_vs_MS.Trt_B
WAPL	6.83E-04	0.39876	0.452	0.36	1	HC_vs_MS.Trt_B
ZNF880	6.86E-04	-0.3769	0.47	0.37	1	HC_vs_MS.Trt_B
TTC16	6.87E-04	-0.5247	0.561	0.44	1	HC_vs_MS.Trt_B
ZNF764	6.88E-04	0.68622	0.32	0.24	1	HC_vs_MS.Trt_B
NOL12	6.93E-04	-0.2928	0.483	0.37	1	HC_vs_MS.Trt_B
MLANA	7.14E-04	0.25103	0.394	0.3	1	HC_vs_MS.Trt_B
ZNF260	7.24E-04	0.42604	0.506	0.4	1	HC_vs_MS.Trt_B

MORN4	7.25E-04	0.35741	0.532	0.43	1	HC_vs_MS.Trt_B
RP11-449H3	7.26E-04	0.72122	0.255	0.17	1	HC_vs_MS.Trt_B
FAM92A1	7.26E-04	0.5129	0.323	0.24	1	HC_vs_MS.Trt_B
TMEM220	7.31E-04	0.396	0.532	0.45	1	HC_vs_MS.Trt_B
SYT11	7.35E-04	-0.5145	0.616	0.49	1	HC_vs_MS.Trt_B
CEP164	7.40E-04	0.71578	0.157	0.09	1	HC_vs_MS.Trt_B
ZSCAN10	7.44E-04	0.37945	0.352	0.26	1	HC_vs_MS.Trt_B
KIAA1551	7.45E-04	0.2675	0.497	0.41	1	HC_vs_MS.Trt_B
GMPPB	7.49E-04	0.89475	0.41	0.32	1	HC_vs_MS.Trt_B
HMBOX1	7.53E-04	0.29013	0.497	0.39	1	HC_vs_MS.Trt_B
METTL15	7.55E-04	0.71944	0.377	0.29	1	HC_vs_MS.Trt_B
ARHGAP17	7.56E-04	0.33482	0.558	0.47	1	HC_vs_MS.Trt_B
RNF157	7.67E-04	-0.6233	0.607	0.5	1	HC_vs_MS.Trt_B
SP3	7.67E-04	0.32801	0.559	0.44	1	HC_vs_MS.Trt_B
SLC7A9	7.67E-04	0.34278	0.403	0.32	1	HC_vs_MS.Trt_B
ALG1	7.69E-04	-0.5102	0.613	0.49	1	HC_vs_MS.Trt_B
LAX1	7.70E-04	0.47963	0.467	0.38	1	HC_vs_MS.Trt_B
PON2	7.71E-04	1.03736	0.42	0.33	1	HC_vs_MS.Trt_B
PUS7	7.73E-04	0.82188	0.333	0.24	1	HC_vs_MS.Trt_B
GREB1	7.74E-04	0.27978	0.836	0.74	1	HC_vs_MS.Trt_B
TP63	7.75E-04	0.36508	0.39	0.3	1	HC_vs_MS.Trt_B
SLC25A26	7.76E-04	-0.3343	0.625	0.54	1	HC_vs_MS.Trt_B
MARK4	7.82E-04	0.29754	0.58	0.48	1	HC_vs_MS.Trt_B
RASA4B	7.84E-04	0.38915	0.436	0.34	1	HC_vs_MS.Trt_B
PRKCQ	7.85E-04	0.32127	0.354	0.26	1	HC_vs_MS.Trt_B
MTHFD2	7.87E-04	-0.4882	0.625	0.53	1	HC_vs_MS.Trt_B
CBLB	7.87E-04	0.29697	0.355	0.26	1	HC_vs_MS.Trt_B
SAXO2	7.90E-04	-0.309	0.226	0.15	1	HC_vs_MS.Trt_B
NMRAL1	7.91E-04	-0.3852	0.496	0.37	1	HC_vs_MS.Trt_B
NCOA4	7.92E-04	0.69193	0.204	0.13	1	HC_vs_MS.Trt_B
GATA3	7.93E-04	0.42942	0.246	0.17	1	HC_vs_MS.Trt_B
NPAP1	7.93E-04	0.27087	0.465	0.38	1	HC_vs_MS.Trt_B
TTPAL	7.94E-04	-0.2763	0.791	0.69	1	HC_vs_MS.Trt_B
SLC25A19	7.95E-04	0.52291	0.397	0.31	1	HC_vs_MS.Trt_B
ZBED1	7.96E-04	0.51185	0.477	0.38	1	HC_vs_MS.Trt_B
PLD1	7.96E-04	0.74796	0.491	0.39	1	HC_vs_MS.Trt_B
VPS52	8.03E-04	0.63208	0.159	0.09	1	HC_vs_MS.Trt_B
HSBP1	8.06E-04	-0.6348	0.599	0.5	1	HC_vs_MS.Trt_B
IMPAD1	8.08E-04	0.4412	0.472	0.37	1	HC_vs_MS.Trt_B
ZDHHC17	8.14E-04	0.31066	0.345	0.26	1	HC_vs_MS.Trt_B

CLDN12	8.15E-04	0.28244	0.374	0.28	1	HC_vs_MS.Trt_B
FLT4	8.19E-04	1.24513	0.104	0.05	1	HC_vs_MS.Trt_B
FLCN	8.20E-04	0.59763	0.859	0.8	1	HC_vs_MS.Trt_B
KSR1	8.23E-04	0.44195	0.286	0.2	1	HC_vs_MS.Trt_B
SMCR8	8.25E-04	-0.5418	0.294	0.2	1	HC_vs_MS.Trt_B
ZNF528	8.27E-04	0.67688	0.574	0.47	1	HC_vs_MS.Trt_B
ILKAP	8.30E-04	-0.2574	0.588	0.46	1	HC_vs_MS.Trt_B
ZNF687	8.35E-04	0.55409	0.593	0.5	1	HC_vs_MS.Trt_B
SLC41A3	8.36E-04	0.40573	0.286	0.2	1	HC_vs_MS.Trt_B
GALK1	8.39E-04	0.56634	0.297	0.22	1	HC_vs_MS.Trt_B
NUDT19	8.44E-04	-0.6489	0.87	0.77	1	HC_vs_MS.Trt_B
DDX55	8.45E-04	0.49555	0.641	0.57	1	HC_vs_MS.Trt_B
ZNF133	8.47E-04	0.86068	0.449	0.34	1	HC_vs_MS.Trt_B
CCM2	8.53E-04	0.26321	0.649	0.56	1	HC_vs_MS.Trt_B
ANKRD22	8.55E-04	0.40329	0.125	0.07	1	HC_vs_MS.Trt_B
APOBEC3F	8.56E-04	-0.433	0.861	0.8	1	HC_vs_MS.Trt_B
PLEKHG4	8.58E-04	0.6293	0.184	0.11	1	HC_vs_MS.Trt_B
NLGN4Y	8.60E-04	0.38549	0.355	0.26	1	HC_vs_MS.Trt_B
VHL	8.61E-04	0.33579	0.749	0.65	1	HC_vs_MS.Trt_B
CARS2	8.62E-04	0.41537	0.758	0.65	1	HC_vs_MS.Trt_B
ABLIM3	8.65E-04	-0.6063	0.051	0.1	1	HC_vs_MS.Trt_B
PARP4	8.66E-04	0.30783	0.271	0.19	1	HC_vs_MS.Trt_B
HYAL1	8.66E-04	0.332	0.355	0.27	1	HC_vs_MS.Trt_B
PAIP2B	8.72E-04	0.27476	0.225	0.15	1	HC_vs_MS.Trt_B
WDR19	8.79E-04	0.33433	0.512	0.42	1	HC_vs_MS.Trt_B
ACSS2	8.81E-04	1.5672	0.549	0.47	1	HC_vs_MS.Trt_B
ATAD2B	8.83E-04	0.37739	0.628	0.55	1	HC_vs_MS.Trt_B
SYT15	8.84E-04	0.41149	0.5	0.42	1	HC_vs_MS.Trt_B
TMEM175	8.88E-04	0.41788	0.301	0.22	1	HC_vs_MS.Trt_B
AREL1	8.88E-04	0.41919	0.446	0.35	1	HC_vs_MS.Trt_B
SAMD15	8.89E-04	0.25339	0.323	0.23	1	HC_vs_MS.Trt_B
TWSG1	8.90E-04	0.59031	0.371	0.28	1	HC_vs_MS.Trt_B
IL5RA	9.04E-04	1.334	0.252	0.17	1	HC_vs_MS.Trt_B
TTBK2	9.06E-04	-0.8377	0.493	0.4	1	HC_vs_MS.Trt_B
CCL5	9.10E-04	-0.4579	0.89	0.8	1	HC_vs_MS.Trt_B
HDAC9	9.19E-04	0.73053	0.459	0.37	1	HC_vs_MS.Trt_B
IRF2	9.26E-04	0.39566	0.332	0.24	1	HC_vs_MS.Trt_B
PRKCI	9.37E-04	0.49443	0.319	0.22	1	HC_vs_MS.Trt_B
MBTPS1	9.38E-04	0.27057	0.517	0.41	1	HC_vs_MS.Trt_B
NAPEPLD	9.40E-04	0.63839	0.32	0.23	1	HC_vs_MS.Trt_B

AMMECR1L	9.42E-04	-0.2771	0.204	0.13	1	HC_vs_MS.Trt_B
RNF214	9.43E-04	0.28318	0.223	0.15	1	HC_vs_MS.Trt_B
TERB2	9.48E-04	0.25864	0.32	0.23	1	HC_vs_MS.Trt_B
TAL1	9.49E-04	0.25949	0.212	0.14	1	HC_vs_MS.Trt_B
WWC1	9.49E-04	-0.2508	0.307	0.22	1	HC_vs_MS.Trt_B
MESDC2	9.59E-04	-0.2976	0.532	0.44	1	HC_vs_MS.Trt_B
PABPC1L	9.62E-04	1.48962	0.284	0.2	1	HC_vs_MS.Trt_B
ZNF398	9.63E-04	0.81796	0.148	0.08	1	HC_vs_MS.Trt_B
RABL6	9.68E-04	-0.3833	0.509	0.42	1	HC_vs_MS.Trt_B
TBC1D8	9.68E-04	0.33621	0.425	0.31	1	HC_vs_MS.Trt_B
CPT2	9.76E-04	-0.5631	0.746	0.63	1	HC_vs_MS.Trt_B
ZNF674	9.78E-04	0.25742	0.904	0.8	1	HC_vs_MS.Trt_B
MAPK13	9.79E-04	-0.295	0.638	0.53	1	HC_vs_MS.Trt_B
CSMD2	9.94E-04	0.31943	0.345	0.26	1	HC_vs_MS.Trt_B
ANO10	9.98E-04	0.36193	0.568	0.45	1	HC_vs_MS.Trt_B
ACLY	0.001	0.4802	0.181	0.11	1	HC_vs_MS.Trt_B
MTG2	0.00101	0.44395	0.775	0.71	1	HC_vs_MS.Trt_B
KLHL5	0.00101	-0.2648	0.419	0.33	1	HC_vs_MS.Trt_B
ICMT	0.00101	-0.3059	0.609	0.53	1	HC_vs_MS.Trt_B
FAM161B	0.00102	-0.3906	0.348	0.26	1	HC_vs_MS.Trt_B
HECW2	0.00102	0.40079	0.403	0.32	1	HC_vs_MS.Trt_B
ZNF551	0.00102	1.18384	0.513	0.4	1	HC_vs_MS.Trt_B
SLX4IP	0.00103	-0.495	0.471	0.38	1	HC_vs_MS.Trt_B
MRS2	0.00103	0.41073	0.764	0.71	1	HC_vs_MS.Trt_B
RFX2	0.00104	0.53304	0.477	0.4	1	HC_vs_MS.Trt_B
EXOSC7	0.00104	-0.423	0.446	0.35	1	HC_vs_MS.Trt_B
HDAC3	0.00105	0.98717	0.117	0.06	1	HC_vs_MS.Trt_B
CAPN15	0.00105	0.5617	0.207	0.13	1	HC_vs_MS.Trt_B
PPP2R2D	0.00106	-1.1857	0.622	0.53	1	HC_vs_MS.Trt_B
ZNF540	0.00106	-1.1032	0.428	0.34	1	HC_vs_MS.Trt_B
C1orf127	0.00106	0.4099	0.272	0.2	1	HC_vs_MS.Trt_B
PSMD4	0.00107	-0.4244	0.642	0.54	1	HC_vs_MS.Trt_B
NDUFC2	0.00107	-0.3351	0.562	0.46	1	HC_vs_MS.Trt_B
QKI	0.00107	0.58757	0.386	0.29	1	HC_vs_MS.Trt_B
CDC27	0.00108	-0.2935	0.438	0.34	1	HC_vs_MS.Trt_B
IVD	0.00108	0.48617	0.9	0.85	1	HC_vs_MS.Trt_B
NADK	0.00109	0.27197	0.287	0.2	1	HC_vs_MS.Trt_B
CCDC159	0.00109	-0.4389	0.765	0.68	1	HC_vs_MS.Trt_B
GBP3	0.00109	0.64012	0.194	0.12	1	HC_vs_MS.Trt_B
PSPC1	0.00109	0.30933	0.309	0.22	1	HC_vs_MS.Trt_B

TVP23A	0.0011	0.47435	0.454	0.36	1	HC_vs_MS.Trt_B
SUV39H2	0.0011	0.53359	0.407	0.31	1	HC_vs_MS.Trt_B
IQCE	0.0011	0.54222	0.406	0.29	1	HC_vs_MS.Trt_B
TMEM108	0.0011	0.83244	0.332	0.24	1	HC_vs_MS.Trt_B
GALNT6	0.00111	0.2533	0.655	0.56	1	HC_vs_MS.Trt_B
B3GALNT2	0.00111	-0.4425	0.619	0.53	1	HC_vs_MS.Trt_B
ANKDD1A	0.00112	-0.2784	0.522	0.43	1	HC_vs_MS.Trt_B
SMG5	0.00112	0.42934	0.149	0.09	1	HC_vs_MS.Trt_B
PCCA	0.00112	0.32541	0.568	0.47	1	HC_vs_MS.Trt_B
PTPN9	0.00113	0.75696	0.32	0.23	1	HC_vs_MS.Trt_B
WWP1	0.00113	-0.3665	0.432	0.32	1	HC_vs_MS.Trt_B
ZNF564	0.00114	-0.5681	0.629	0.52	1	HC_vs_MS.Trt_B
TECPR2	0.00115	0.43107	0.345	0.25	1	HC_vs_MS.Trt_B
TBC1D9B	0.00115	0.48031	0.457	0.35	1	HC_vs_MS.Trt_B
LAPTM4B	0.00116	-1.0218	0.194	0.12	1	HC_vs_MS.Trt_B
VPS4B	0.00116	-0.4566	0.742	0.62	1	HC_vs_MS.Trt_B
CA14	0.00116	0.26933	0.572	0.46	1	HC_vs_MS.Trt_B
AP3M1	0.00118	0.76092	0.484	0.41	1	HC_vs_MS.Trt_B
LAMTOR3	0.00118	-0.4321	0.325	0.23	1	HC_vs_MS.Trt_B
CDH26	0.00119	0.72459	0.159	0.1	1	HC_vs_MS.Trt_B
NOP14	0.00119	0.5336	0.413	0.31	1	HC_vs_MS.Trt_B
DNAJB12	0.0012	0.76403	0.12	0.06	1	HC_vs_MS.Trt_B
HIKESHI	0.0012	-0.4608	0.43	0.31	1	HC_vs_MS.Trt_B
ST7L	0.00121	0.26498	0.468	0.38	1	HC_vs_MS.Trt_B
TTC21B	0.00121	0.97393	0.359	0.26	1	HC_vs_MS.Trt_B
FBXO9	0.00122	-0.485	0.752	0.67	1	HC_vs_MS.Trt_B
KDM4C	0.00123	0.35787	0.291	0.21	1	HC_vs_MS.Trt_B
TBC1D32	0.00123	-0.356	0.449	0.35	1	HC_vs_MS.Trt_B
NFKB2	0.00123	0.3782	0.341	0.26	1	HC_vs_MS.Trt_B
RHNO1	0.00123	0.42164	0.613	0.54	1	HC_vs_MS.Trt_B
MTHFD1L	0.00125	-0.6757	0.125	0.07	1	HC_vs_MS.Trt_B
HJURP	0.00125	0.35976	0.37	0.28	1	HC_vs_MS.Trt_B
DNHD1	0.00125	0.93434	0.316	0.24	1	HC_vs_MS.Trt_B
UFM1	0.00126	0.34994	0.326	0.24	1	HC_vs_MS.Trt_B
FKBP9	0.00127	-0.866	0.445	0.34	1	HC_vs_MS.Trt_B
DZIP3	0.00128	-0.6008	0.257	0.17	1	HC_vs_MS.Trt_B
CDK6	0.00128	0.61206	0.145	0.08	1	HC_vs_MS.Trt_B
ZBP1	0.00129	0.32073	0.567	0.46	1	HC_vs_MS.Trt_B
F2R	0.00129	-0.5523	0.525	0.44	1	HC_vs_MS.Trt_B
IMMT	0.0013	-0.7424	0.443	0.34	1	HC_vs_MS.Trt_B

SNX30	0.0013	-0.4755	0.435	0.34	1	HC_vs_MS.Trt_B
SGSM2	0.00132	0.33114	0.264	0.19	1	HC_vs_MS.Trt_B
PLA2G12A	0.00133	-0.5171	0.57	0.47	1	HC_vs_MS.Trt_B
IER2	0.00134	0.25535	0.309	0.23	1	HC_vs_MS.Trt_B
CHTF8	0.00135	0.25075	0.217	0.14	1	HC_vs_MS.Trt_B
ALDH6A1	0.00135	-0.5937	0.796	0.73	1	HC_vs_MS.Trt_B
AMZ2	0.00137	-0.3488	0.523	0.41	1	HC_vs_MS.Trt_B
LGR6	0.00139	0.26243	0.178	0.11	1	HC_vs_MS.Trt_B
USP14	0.0014	0.41862	0.575	0.47	1	HC_vs_MS.Trt_B
CRCP	0.0014	-0.2702	0.862	0.76	1	HC_vs_MS.Trt_B
PSMC1	0.00141	-0.518	0.42	0.32	1	HC_vs_MS.Trt_B
PARP10	0.00141	0.37694	0.157	0.09	1	HC_vs_MS.Trt_B
FAT1	0.00141	0.3202	0.284	0.2	1	HC_vs_MS.Trt_B
L3MBTL3	0.00141	1.02035	0.164	0.1	1	HC_vs_MS.Trt_B
ALDH1L2	0.00142	0.45591	0.232	0.16	1	HC_vs_MS.Trt_B
ARV1	0.00142	-1.0771	0.232	0.16	1	HC_vs_MS.Trt_B
ERI1	0.00143	0.25549	0.365	0.27	1	HC_vs_MS.Trt_B
TJAP1	0.00143	-0.7964	0.346	0.25	1	HC_vs_MS.Trt_B
MED22	0.00144	0.29629	0.506	0.42	1	HC_vs_MS.Trt_B
MAF1	0.00144	0.35236	0.193	0.12	1	HC_vs_MS.Trt_B
ARRB2	0.00146	0.27661	0.771	0.66	1	HC_vs_MS.Trt_B
DDX51	0.00147	0.6337	0.645	0.55	1	HC_vs_MS.Trt_B
RABGEF1	0.00147	0.6689	0.297	0.21	1	HC_vs_MS.Trt_B
FAM156A	0.00148	0.42771	0.165	0.1	1	HC_vs_MS.Trt_B
KLHL2	0.00148	0.3868	0.323	0.24	1	HC_vs_MS.Trt_B
FAM149A	0.00148	0.36446	0.306	0.22	1	HC_vs_MS.Trt_B
SRRM1	0.00149	-0.4148	0.868	0.75	1	HC_vs_MS.Trt_B
CBWD2	0.00149	0.42695	0.414	0.33	1	HC_vs_MS.Trt_B
VRTN	0.0015	-0.5578	0.155	0.09	1	HC_vs_MS.Trt_B
XPR1	0.0015	0.2951	0.299	0.21	1	HC_vs_MS.Trt_B
ATG14	0.00151	0.3479	0.654	0.57	1	HC_vs_MS.Trt_B
SEC23IP	0.00151	-0.4018	0.412	0.32	1	HC_vs_MS.Trt_B
PRR4	0.00152	0.28561	0.216	0.14	1	HC_vs_MS.Trt_B
ARHGEF38	0.00152	0.31449	0.361	0.28	1	HC_vs_MS.Trt_B
PRODH	0.00153	0.74921	0.386	0.29	1	HC_vs_MS.Trt_B
SLC39A3	0.00153	-0.2713	0.581	0.5	1	HC_vs_MS.Trt_B
PPM1B	0.00154	0.47409	0.388	0.3	1	HC_vs_MS.Trt_B
CDH8	0.00154	0.28669	0.477	0.39	1	HC_vs_MS.Trt_B
SGPP2	0.00154	-0.358	0.332	0.25	1	HC_vs_MS.Trt_B
CLCN6	0.00154	0.90261	0.496	0.41	1	HC_vs_MS.Trt_B

ARRDC3	0.00154	-0.6504	0.464	0.54	1	HC_vs_MS.Trt_B
NBEAL2	0.00155	0.62762	0.206	0.14	1	HC_vs_MS.Trt_B
NKD1	0.00156	0.50372	0.394	0.29	1	HC_vs_MS.Trt_B
TROAP	0.00156	0.25834	0.438	0.34	1	HC_vs_MS.Trt_B
ACAN	0.00157	0.97556	0.268	0.19	1	HC_vs_MS.Trt_B
KDM6B	0.00159	0.7127	0.161	0.1	1	HC_vs_MS.Trt_B
GPCPD1	0.00159	-0.2705	0.293	0.2	1	HC_vs_MS.Trt_B
TRAF3IP1	0.00159	0.47256	0.371	0.29	1	HC_vs_MS.Trt_B
DCBLD1	0.00159	-0.3847	0.504	0.41	1	HC_vs_MS.Trt_B
POLH	0.00159	-0.6554	0.541	0.44	1	HC_vs_MS.Trt_B
FAM3A	0.00159	0.27452	0.752	0.64	1	HC_vs_MS.Trt_B
CCNC	0.00159	-0.3952	0.604	0.49	1	HC_vs_MS.Trt_B
SPATA7	0.0016	0.27926	0.313	0.23	1	HC_vs_MS.Trt_B
PRKRIP1	0.00161	0.88926	0.13	0.07	1	HC_vs_MS.Trt_B
BRCA2	0.00161	-0.6447	0.358	0.27	1	HC_vs_MS.Trt_B
TUBA1B	0.00162	0.31946	0.284	0.2	1	HC_vs_MS.Trt_B
RABGAP1	0.00164	0.75757	0.381	0.29	1	HC_vs_MS.Trt_B
ZNF677	0.00164	0.62395	0.794	0.74	1	HC_vs_MS.Trt_B
ZNF69	0.00164	0.25272	0.452	0.37	1	HC_vs_MS.Trt_B
MUM1	0.00165	0.32429	0.599	0.48	1	HC_vs_MS.Trt_B
PHF20	0.00166	-0.3827	0.478	0.38	1	HC_vs_MS.Trt_B
XPO6	0.00166	0.48384	0.312	0.23	1	HC_vs_MS.Trt_B
MED4	0.00166	-0.4123	0.646	0.56	1	HC_vs_MS.Trt_B
COMMD9	0.00166	0.26397	0.446	0.36	1	HC_vs_MS.Trt_B
MTR	0.00167	0.28098	0.478	0.41	1	HC_vs_MS.Trt_B
FKBP8	0.00167	1.11191	0.196	0.13	1	HC_vs_MS.Trt_B
TRIM2	0.00171	0.66869	0.23	0.16	1	HC_vs_MS.Trt_B
UPF3A	0.00171	-0.3754	0.712	0.62	1	HC_vs_MS.Trt_B
MAN1B1	0.00171	0.40338	0.354	0.26	1	HC_vs_MS.Trt_B
BACH2	0.00173	0.53437	0.242	0.17	1	HC_vs_MS.Trt_B
F2RL1	0.00173	1.13994	0.191	0.12	1	HC_vs_MS.Trt_B
BRD8	0.00174	-0.4562	0.735	0.65	1	HC_vs_MS.Trt_B
TFAM	0.00174	0.38894	0.312	0.24	1	HC_vs_MS.Trt_B
RALGDS	0.00175	0.25416	0.345	0.26	1	HC_vs_MS.Trt_B
CITED2	0.00175	0.83945	0.139	0.08	1	HC_vs_MS.Trt_B
FAM118A	0.00177	0.64738	0.52	0.45	1	HC_vs_MS.Trt_B
SCAMP3	0.00177	0.40872	0.209	0.14	1	HC_vs_MS.Trt_B
CD3E	0.00178	0.307	0.683	0.62	1	HC_vs_MS.Trt_B
FHOD1	0.00178	0.58013	0.135	0.08	1	HC_vs_MS.Trt_B
RHPN2	0.00178	0.35099	0.548	0.48	1	HC_vs_MS.Trt_B



ALDH1B1	0.00179	0.30726	0.591	0.5	1	HC_vs_MS.Trt_B
RP11-80H18	0.00179	0.72194	0.267	0.19	1	HC_vs_MS.Trt_B
EPS8	0.0018	0.30916	0.391	0.3	1	HC_vs_MS.Trt_B
IFI44L	0.00183	1.36453	0.2	0.13	1	HC_vs_MS.Trt_B
SLX4	0.00184	-0.4715	0.443	0.36	1	HC_vs_MS.Trt_B
TEX35	0.00185	0.26485	0.312	0.24	1	HC_vs_MS.Trt_B
GMPPA	0.00188	-0.3477	0.236	0.16	1	HC_vs_MS.Trt_B
SMIM10L1	0.00192	0.76822	0.165	0.1	1	HC_vs_MS.Trt_B
MIS18BP1	0.00194	-0.4179	0.586	0.48	1	HC_vs_MS.Trt_B
SLC23A3	0.00194	0.34227	0.41	0.31	1	HC_vs_MS.Trt_B
MYO9A	0.00194	0.58953	0.323	0.24	1	HC_vs_MS.Trt_B
CENPC	0.00194	-0.3342	0.567	0.47	1	HC_vs_MS.Trt_B
B4GALT5	0.00195	0.98765	0.251	0.18	1	HC_vs_MS.Trt_B
ZNHIT6	0.00195	0.92236	0.393	0.29	1	HC_vs_MS.Trt_B
CNTROB	0.00195	0.78784	0.177	0.11	1	HC_vs_MS.Trt_B
DPYSL5	0.00196	0.30664	0.591	0.53	1	HC_vs_MS.Trt_B
OBFC1	0.00197	0.28845	0.255	0.18	1	HC_vs_MS.Trt_B
NSD1	0.00197	0.28676	0.645	0.55	1	HC_vs_MS.Trt_B
HPSE	0.00198	-0.5112	0.617	0.53	1	HC_vs_MS.Trt_B
PAK3	0.00198	0.29144	0.384	0.3	1	HC_vs_MS.Trt_B
KAT8	0.00199	0.59823	0.145	0.09	1	HC_vs_MS.Trt_B
PBX2	0.00199	0.77981	0.12	0.07	1	HC_vs_MS.Trt_B
PCTP	0.00199	-0.7087	0.391	0.31	1	HC_vs_MS.Trt_B
RPS19BP1	0.002	-0.2698	0.433	0.34	1	HC_vs_MS.Trt_B
ERVK3-1	0.002	0.41059	0.274	0.2	1	HC_vs_MS.Trt_B
ZNF280D	0.002	0.85613	0.214	0.15	1	HC_vs_MS.Trt_B
PWWP2A	0.002	0.30505	0.165	0.1	1	HC_vs_MS.Trt_B
SFN	0.00201	0.28979	0.271	0.2	1	HC_vs_MS.Trt_B
LBHD1	0.00201	1.0368	0.477	0.38	1	HC_vs_MS.Trt_B
SFXN3	0.00201	0.7302	0.323	0.24	1	HC_vs_MS.Trt_B
SLU7	0.00201	-0.4932	0.368	0.27	1	HC_vs_MS.Trt_B
MAGIX	0.00202	0.67869	0.465	0.39	1	HC_vs_MS.Trt_B
ELOVL7	0.00203	0.34896	0.319	0.24	1	HC_vs_MS.Trt_B
CDNF	0.00205	-1.38	0.184	0.12	1	HC_vs_MS.Trt_B
TRIM68	0.00205	-0.5048	0.509	0.41	1	HC_vs_MS.Trt_B
GPRC5A	0.00205	0.31556	0.613	0.51	1	HC_vs_MS.Trt_B
ZNF682	0.00205	0.51004	0.37	0.28	1	HC_vs_MS.Trt_B
C2orf69	0.00205	0.29673	0.239	0.16	1	HC_vs_MS.Trt_B
LRCH4	0.00206	0.63727	0.5	0.42	1	HC_vs_MS.Trt_B
ATAD1	0.00206	0.25883	0.143	0.08	1	HC_vs_MS.Trt_B

ACVR2B	0.00208	0.97107	0.383	0.3	1	HC_vs_MS.Trt_B
TAF1A	0.00209	0.87368	0.394	0.31	1	HC_vs_MS.Trt_B
GCAT	0.00209	-0.6142	0.223	0.15	1	HC_vs_MS.Trt_B
ADAP2	0.0021	-0.3944	0.172	0.11	1	HC_vs_MS.Trt_B
AMDHD1	0.00211	0.97733	0.196	0.13	1	HC_vs_MS.Trt_B
MORC3	0.00211	-0.2649	0.486	0.4	1	HC_vs_MS.Trt_B
BUB3	0.00213	-0.344	0.616	0.5	1	HC_vs_MS.Trt_B
PBXIP1	0.00215	0.28479	0.539	0.47	1	HC_vs_MS.Trt_B
RPUSD3	0.00215	-0.4062	0.777	0.7	1	HC_vs_MS.Trt_B
KALRN	0.00215	0.85797	0.3	0.22	1	HC_vs_MS.Trt_B
FBL	0.00217	0.33696	0.426	0.34	1	HC_vs_MS.Trt_B
SERPINH1	0.00218	1.23505	0.304	0.22	1	HC_vs_MS.Trt_B
ZNF439	0.00218	-0.8879	0.616	0.55	1	HC_vs_MS.Trt_B
ZNF644	0.00218	0.55202	0.194	0.13	1	HC_vs_MS.Trt_B
GPRIN3	0.00219	0.31016	0.428	0.35	1	HC_vs_MS.Trt_B
NOC2L	0.0022	-0.3481	0.716	0.63	1	HC_vs_MS.Trt_B
8-Mar	0.0022	-0.4592	0.387	0.29	1	HC_vs_MS.Trt_B
CCNYL1	0.0022	0.55276	0.359	0.27	1	HC_vs_MS.Trt_B
IL6ST	0.0022	0.45563	0.367	0.29	1	HC_vs_MS.Trt_B
RSAD2	0.00221	0.88421	0.326	0.25	1	HC_vs_MS.Trt_B
SLIT1	0.00221	0.32874	0.236	0.17	1	HC_vs_MS.Trt_B
GSTM3	0.00222	0.62746	0.506	0.39	1	HC_vs_MS.Trt_B
DBR1	0.00222	-0.2793	0.749	0.65	1	HC_vs_MS.Trt_B
XPO1	0.00223	-0.2815	0.916	0.87	1	HC_vs_MS.Trt_B
HIST1H2BG	0.00223	0.87354	0.472	0.4	1	HC_vs_MS.Trt_B
LRPAP1	0.00225	-0.4312	0.868	0.77	1	HC_vs_MS.Trt_B
ITPK1	0.00225	-0.255	0.555	0.46	1	HC_vs_MS.Trt_B
C5	0.00226	0.68754	0.4	0.32	1	HC_vs_MS.Trt_B
URM1	0.00226	0.83569	0.138	0.08	1	HC_vs_MS.Trt_B
VASH2	0.00227	0.27735	0.745	0.64	1	HC_vs_MS.Trt_B
ZNF280C	0.00227	0.64889	0.252	0.18	1	HC_vs_MS.Trt_B
KCTD20	0.00227	0.27234	0.616	0.57	1	HC_vs_MS.Trt_B
COL6A3	0.00228	0.76433	0.452	0.36	1	HC_vs_MS.Trt_B
AC004381.6	0.00228	0.45687	0.196	0.12	1	HC_vs_MS.Trt_B
ZNF485	0.00229	0.28878	0.186	0.12	1	HC_vs_MS.Trt_B
ZKSCAN7	0.00229	0.2776	0.599	0.52	1	HC_vs_MS.Trt_B
RAB37	0.0023	0.30473	0.38	0.3	1	HC_vs_MS.Trt_B
C3orf70	0.0023	0.2549	0.699	0.66	1	HC_vs_MS.Trt_B
SSB	0.0023	-0.3918	0.749	0.64	1	HC_vs_MS.Trt_B
ZNF75A	0.00231	-0.5091	0.72	0.61	1	HC_vs_MS.Trt_B

PCED1A	0.00231	0.37781	0.136	0.08	1	HC_vs_MS.Trt_B
ANTXR1	0.00232	0.32957	0.204	0.13	1	HC_vs_MS.Trt_B
C11orf24	0.00233	1.13074	0.246	0.17	1	HC_vs_MS.Trt_B
YIF1B	0.00235	-0.4494	0.583	0.5	1	HC_vs_MS.Trt_B
GPR35	0.00235	0.566	0.28	0.2	1	HC_vs_MS.Trt_B
VNN3	0.00235	-0.2818	0.358	0.26	1	HC_vs_MS.Trt_B
ZFAND4	0.00235	0.81749	0.396	0.3	1	HC_vs_MS.Trt_B
GCLC	0.00237	0.42241	0.497	0.41	1	HC_vs_MS.Trt_B
CHSY1	0.00238	0.70207	0.257	0.18	1	HC_vs_MS.Trt_B
ZNF763	0.00239	1.1379	0.172	0.11	1	HC_vs_MS.Trt_B
SLC16A12	0.0024	0.28067	0.397	0.32	1	HC_vs_MS.Trt_B
GPC2	0.00241	0.42568	0.397	0.33	1	HC_vs_MS.Trt_B
SKA2	0.00242	-0.4002	0.551	0.44	1	HC_vs_MS.Trt_B
UTP23	0.00242	0.29414	0.499	0.42	1	HC_vs_MS.Trt_B
VAC14	0.00242	0.5857	0.104	0.05	1	HC_vs_MS.Trt_B
PYCR1	0.00243	-0.8431	0.406	0.31	1	HC_vs_MS.Trt_B
D2HGDH	0.00243	0.66791	0.439	0.35	1	HC_vs_MS.Trt_B
LA16c-431H	0.00245	0.35351	0.493	0.42	1	HC_vs_MS.Trt_B
ACY1	0.00246	-0.5041	0.58	0.47	1	HC_vs_MS.Trt_B
RNF215	0.00247	0.4184	0.432	0.34	1	HC_vs_MS.Trt_B
NPTN	0.00249	0.432	0.248	0.17	1	HC_vs_MS.Trt_B
ABHD2	0.0025	-0.3182	0.622	0.52	1	HC_vs_MS.Trt_B
ENTPD3	0.0025	0.27744	0.33	0.24	1	HC_vs_MS.Trt_B
GPR137	0.00251	0.63888	0.207	0.14	1	HC_vs_MS.Trt_B
RAD23B	0.00251	-0.3067	0.439	0.34	1	HC_vs_MS.Trt_B
CHST14	0.00251	1.17577	0.225	0.16	1	HC_vs_MS.Trt_B
TLK1	0.00253	-0.2632	0.729	0.63	1	HC_vs_MS.Trt_B
KLHL32	0.00255	0.78087	0.101	0.05	1	HC_vs_MS.Trt_B
CA12	0.00255	0.67369	0.265	0.19	1	HC_vs_MS.Trt_B
STARD4	0.00256	1.24726	0.143	0.09	1	HC_vs_MS.Trt_B
CARF	0.00257	-0.4552	0.486	0.4	1	HC_vs_MS.Trt_B
COX15	0.00257	-0.4747	0.548	0.46	1	HC_vs_MS.Trt_B
PROSC	0.00259	0.29781	0.414	0.33	1	HC_vs_MS.Trt_B
SUN1	0.0026	0.27974	0.593	0.52	1	HC_vs_MS.Trt_B
TGFBR2	0.0026	1.09581	0.162	0.1	1	HC_vs_MS.Trt_B
SARNP	0.0026	-0.2622	0.559	0.44	1	HC_vs_MS.Trt_B
PTPN4	0.00261	-0.3441	0.588	0.47	1	HC_vs_MS.Trt_B
PPRC1	0.00262	0.5381	0.113	0.06	1	HC_vs_MS.Trt_B
C11orf21	0.00262	0.71914	0.138	0.08	1	HC_vs_MS.Trt_B
ELF3	0.00262	0.38867	0.545	0.44	1	HC_vs_MS.Trt_B

BCL9L	0.00263	0.42471	0.17	0.11	1	HC_vs_MS.Trt_B
TTC34	0.00263	0.45411	0.193	0.12	1	HC_vs_MS.Trt_B
GRAMD1C	0.00263	0.45943	0.184	0.12	1	HC_vs_MS.Trt_B
SKAP2	0.00263	0.98704	0.184	0.12	1	HC_vs_MS.Trt_B
STMN3	0.00264	0.33115	0.225	0.16	1	HC_vs_MS.Trt_B
FAM101B	0.00265	-0.3754	0.246	0.17	1	HC_vs_MS.Trt_B
C1orf131	0.00265	-0.2882	0.575	0.49	1	HC_vs_MS.Trt_B
MRPS26	0.00265	0.36465	0.122	0.07	1	HC_vs_MS.Trt_B
CPSF7	0.00265	0.57665	0.212	0.15	1	HC_vs_MS.Trt_B
MCM9	0.00265	-0.2653	0.314	0.23	1	HC_vs_MS.Trt_B
STAT5A	0.00267	0.36359	0.17	0.11	1	HC_vs_MS.Trt_B
CMTR2	0.00267	0.50392	0.257	0.18	1	HC_vs_MS.Trt_B
AQP3	0.00267	0.38555	0.262	0.19	1	HC_vs_MS.Trt_B
PSMA4	0.00269	-0.319	0.349	0.26	1	HC_vs_MS.Trt_B
BRK1	0.00269	0.26146	0.242	0.17	1	HC_vs_MS.Trt_B
COQ6	0.0027	0.49476	0.761	0.67	1	HC_vs_MS.Trt_B
GDPD5	0.0027	1.28278	0.267	0.2	1	HC_vs_MS.Trt_B
SLC39A14	0.00271	0.58729	0.396	0.31	1	HC_vs_MS.Trt_B
C19orf48	0.00273	1.00472	0.364	0.28	1	HC_vs_MS.Trt_B
ZNF526	0.00273	-0.3662	0.459	0.37	1	HC_vs_MS.Trt_B
SEPN1	0.00275	0.28605	0.351	0.28	1	HC_vs_MS.Trt_B
SULF1	0.00276	0.42961	0.174	0.11	1	HC_vs_MS.Trt_B
RASGEF1B	0.00278	0.2889	0.672	0.61	1	HC_vs_MS.Trt_B
CDC40	0.00278	0.35721	0.532	0.45	1	HC_vs_MS.Trt_B
STAT1	0.0028	0.40026	0.42	0.35	1	HC_vs_MS.Trt_B
ACER1	0.00281	0.54641	0.438	0.33	1	HC_vs_MS.Trt_B
PPP3R1	0.00281	0.75449	0.158	0.1	1	HC_vs_MS.Trt_B
USP28	0.00282	0.55454	0.352	0.27	1	HC_vs_MS.Trt_B
RABL2A	0.00283	0.29745	0.488	0.42	1	HC_vs_MS.Trt_B
ORC3	0.00284	0.50509	0.158	0.1	1	HC_vs_MS.Trt_B
ERC1	0.00284	0.34149	0.861	0.82	1	HC_vs_MS.Trt_B
ZNF699	0.00284	-0.2774	0.251	0.18	1	HC_vs_MS.Trt_B
LAPTM4A	0.00285	0.39045	0.158	0.1	1	HC_vs_MS.Trt_B
FARSB	0.00285	-0.4778	0.594	0.52	1	HC_vs_MS.Trt_B
UBXN8	0.00286	1.3199	0.177	0.12	1	HC_vs_MS.Trt_B
TMEM183A	0.00287	0.53557	0.183	0.12	1	HC_vs_MS.Trt_B
ZNF135	0.00288	0.42751	0.432	0.34	1	HC_vs_MS.Trt_B
MTMR3	0.00289	0.39452	0.249	0.18	1	HC_vs_MS.Trt_B
LARS2	0.0029	0.61235	0.478	0.4	1	HC_vs_MS.Trt_B
COMMD1	0.00291	-0.2596	0.536	0.42	1	HC_vs_MS.Trt_B

PROX2	0.00292	0.88347	0.123	0.07	1	HC_vs_MS.Trt_B
AARS	0.00292	0.38665	0.426	0.34	1	HC_vs_MS.Trt_B
ZNF786	0.00294	-0.4611	0.406	0.32	1	HC_vs_MS.Trt_B
PARK2	0.00294	0.41348	0.604	0.53	1	HC_vs_MS.Trt_B
FAM227B	0.00296	0.53058	0.387	0.31	1	HC_vs_MS.Trt_B
EXD1	0.00298	0.29714	0.472	0.4	1	HC_vs_MS.Trt_B
PLEKHA7	0.00298	-0.9154	0.184	0.12	1	HC_vs_MS.Trt_B
SFMBT1	0.00302	-0.4606	0.549	0.48	1	HC_vs_MS.Trt_B
PDZD2	0.00303	0.4728	0.668	0.62	1	HC_vs_MS.Trt_B
OGFOD1	0.00303	-0.7335	0.596	0.53	1	HC_vs_MS.Trt_B
PIEZO1	0.00303	0.33226	0.31	0.24	1	HC_vs_MS.Trt_B
FCRL2	0.00306	0.2873	0.619	0.52	1	HC_vs_MS.Trt_B
TADA3	0.00308	0.46967	0.52	0.44	1	HC_vs_MS.Trt_B
MELK	0.00309	0.27719	0.504	0.42	1	HC_vs_MS.Trt_B
NPIPB8	0.00314	0.27525	0.123	0.07	1	HC_vs_MS.Trt_B
PHRF1	0.00317	0.73962	0.142	0.09	1	HC_vs_MS.Trt_B
RP11-619A1	0.00321	0.2539	0.545	0.45	1	HC_vs_MS.Trt_B
LHFPL2	0.00324	0.92949	0.29	0.21	1	HC_vs_MS.Trt_B
GSN	0.00324	0.52179	0.554	0.45	1	HC_vs_MS.Trt_B
TXLNA	0.00325	0.25672	0.277	0.2	1	HC_vs_MS.Trt_B
FGFR4	0.00329	0.29441	0.393	0.31	1	HC_vs_MS.Trt_B
C14orf119	0.0033	-0.2819	0.533	0.43	1	HC_vs_MS.Trt_B
NPL	0.00331	-0.3868	0.223	0.15	1	HC_vs_MS.Trt_B
MRPL10	0.00332	-0.2517	0.4	0.3	1	HC_vs_MS.Trt_B
PNPLA8	0.00332	0.4014	0.333	0.26	1	HC_vs_MS.Trt_B
ICK	0.00333	-0.7141	0.207	0.14	1	HC_vs_MS.Trt_B
MTMR14	0.00334	-0.3075	0.571	0.45	1	HC_vs_MS.Trt_B
NR4A2	0.00335	0.32072	0.146	0.09	1	HC_vs_MS.Trt_B
PPAT	0.00336	0.25203	0.271	0.2	1	HC_vs_MS.Trt_B
SLC2A6	0.00337	0.33121	0.262	0.19	1	HC_vs_MS.Trt_B
TANC1	0.00339	0.52623	0.339	0.26	1	HC_vs_MS.Trt_B
RNF144A	0.00342	0.40443	0.196	0.13	1	HC_vs_MS.Trt_B
ZSCAN22	0.00342	0.31297	0.399	0.33	1	HC_vs_MS.Trt_B
TAS2R4	0.00345	0.43844	0.341	0.26	1	HC_vs_MS.Trt_B
DOCK6	0.00346	-0.299	0.546	0.45	1	HC_vs_MS.Trt_B
FGF9	0.00346	0.60467	0.13	0.08	1	HC_vs_MS.Trt_B
MFSD4B	0.00347	0.42685	0.626	0.56	1	HC_vs_MS.Trt_B
POR	0.00347	0.40191	0.301	0.23	1	HC_vs_MS.Trt_B
FADS2	0.00348	0.54014	0.486	0.4	1	HC_vs_MS.Trt_B
BRWD1	0.00349	-0.467	0.813	0.68	1	HC_vs_MS.Trt_B

PKN1	0.00349	0.26251	0.803	0.69	1	HC_vs_MS.Trt_B
CACUL1	0.00349	-0.4925	0.664	0.56	1	HC_vs_MS.Trt_B
FBXO34	0.0035	0.71484	0.113	0.06	1	HC_vs_MS.Trt_B
LDHC	0.00351	0.35699	0.184	0.12	1	HC_vs_MS.Trt_B
STXBP6	0.00351	0.2873	0.161	0.1	1	HC_vs_MS.Trt_B
AGO1	0.00353	0.5173	0.439	0.35	1	HC_vs_MS.Trt_B
CSNK2A1	0.00355	0.26555	0.654	0.56	1	HC_vs_MS.Trt_B
RABGGTB	0.00356	0.34423	0.235	0.17	1	HC_vs_MS.Trt_B
TMEM222	0.00356	0.82698	0.132	0.08	1	HC_vs_MS.Trt_B
MAP3K4	0.00357	1.23007	0.183	0.12	1	HC_vs_MS.Trt_B
TMEM132B	0.00361	0.60187	0.267	0.19	1	HC_vs_MS.Trt_B
ANKRD52	0.00362	0.43079	0.174	0.11	1	HC_vs_MS.Trt_B
PFKFB3	0.00363	0.35724	0.23	0.16	1	HC_vs_MS.Trt_B
MICALL1	0.00365	0.29522	0.462	0.37	1	HC_vs_MS.Trt_B
HSDL2	0.00366	0.71522	0.142	0.09	1	HC_vs_MS.Trt_B
MRPL2	0.00368	-0.4901	0.262	0.18	1	HC_vs_MS.Trt_B
GTSF1	0.00369	0.41941	0.219	0.15	1	HC_vs_MS.Trt_B
MAB21L3	0.00369	0.35742	0.362	0.28	1	HC_vs_MS.Trt_B
ZSCAN18	0.00369	0.29797	0.662	0.58	1	HC_vs_MS.Trt_B
WWOX	0.0037	0.60088	0.236	0.17	1	HC_vs_MS.Trt_B
CHIC2	0.00374	0.54393	0.171	0.11	1	HC_vs_MS.Trt_B
ZNF391	0.00376	0.34591	0.184	0.12	1	HC_vs_MS.Trt_B
COPS6	0.00377	-0.5858	0.671	0.54	1	HC_vs_MS.Trt_B
GIN1	0.00378	-0.8285	0.326	0.24	1	HC_vs_MS.Trt_B
CWC25	0.00378	0.69933	0.333	0.26	1	HC_vs_MS.Trt_B
ACVR1	0.00379	-0.5653	0.193	0.13	1	HC_vs_MS.Trt_B
KRT15	0.00384	0.36427	0.417	0.34	1	HC_vs_MS.Trt_B
LEO1	0.00387	0.83897	0.548	0.49	1	HC_vs_MS.Trt_B
CCDC163	0.0039	0.61342	0.538	0.45	1	HC_vs_MS.Trt_B
C11orf57	0.00393	-0.4416	0.768	0.68	1	HC_vs_MS.Trt_B
JMJD7	0.00393	0.49094	0.145	0.09	1	HC_vs_MS.Trt_B
SLC22A25	0.00393	0.30103	0.313	0.24	1	HC_vs_MS.Trt_B
MTA1	0.00394	0.4635	0.403	0.32	1	HC_vs_MS.Trt_B
GPHN	0.00399	0.29559	0.387	0.31	1	HC_vs_MS.Trt_B
GGNBP2	0.00403	-0.35	0.681	0.6	1	HC_vs_MS.Trt_B
PATL2	0.00403	0.46345	0.358	0.28	1	HC_vs_MS.Trt_B
SLC39A4	0.00404	-0.3332	0.386	0.3	1	HC_vs_MS.Trt_B
MSS51	0.00404	0.2589	0.536	0.45	1	HC_vs_MS.Trt_B
DPH5	0.00405	-0.3617	0.343	0.26	1	HC_vs_MS.Trt_B
COLEC11	0.00406	0.94947	0.367	0.28	1	HC_vs_MS.Trt_B

SFMBT2	0.00409	0.84699	0.293	0.22	1	HC_vs_MS.Trt_B
MEF2A	0.0041	0.90771	0.443	0.36	1	HC_vs_MS.Trt_B
TACR2	0.0041	-0.3579	0.129	0.08	1	HC_vs_MS.Trt_B
TMEM260	0.00411	0.41767	0.4	0.33	1	HC_vs_MS.Trt_B
PPP4R1	0.00412	0.29553	0.238	0.17	1	HC_vs_MS.Trt_B
TMEM64	0.00413	0.37975	0.358	0.28	1	HC_vs_MS.Trt_B
C2orf54	0.00413	0.3029	0.114	0.07	1	HC_vs_MS.Trt_B
ASUN	0.00413	0.69784	0.109	0.06	1	HC_vs_MS.Trt_B
STXBP4	0.00413	0.61559	0.483	0.38	1	HC_vs_MS.Trt_B
MAN2B1	0.00414	0.37744	0.57	0.48	1	HC_vs_MS.Trt_B
SLC12A7	0.00418	0.76804	0.138	0.08	1	HC_vs_MS.Trt_B
WDR13	0.00418	-0.4298	0.814	0.73	1	HC_vs_MS.Trt_B
IL4R	0.00421	0.36308	0.425	0.34	1	HC_vs_MS.Trt_B
NBPF12	0.00421	0.88939	0.312	0.24	1	HC_vs_MS.Trt_B
ETF1	0.00421	-0.4237	0.283	0.2	1	HC_vs_MS.Trt_B
ABHD14A	0.00421	0.33461	0.457	0.4	1	HC_vs_MS.Trt_B
TMEM185A	0.00422	-0.4835	0.483	0.39	1	HC_vs_MS.Trt_B
ARFGEF2	0.00427	0.35011	0.458	0.38	1	HC_vs_MS.Trt_B
ACTR6	0.00427	-0.574	0.513	0.41	1	HC_vs_MS.Trt_B
SHF	0.00428	0.32094	0.336	0.27	1	HC_vs_MS.Trt_B
SLC30A8	0.00429	0.39751	0.401	0.32	1	HC_vs_MS.Trt_B
G6PC2	0.0043	0.29369	0.272	0.2	1	HC_vs_MS.Trt_B
ATG2B	0.00431	0.69121	0.296	0.23	1	HC_vs_MS.Trt_B
WDR82	0.00433	0.42357	0.384	0.31	1	HC_vs_MS.Trt_B
POMZP3	0.00434	-0.3719	0.435	0.34	1	HC_vs_MS.Trt_B
CLTA	0.00434	0.29392	0.575	0.5	1	HC_vs_MS.Trt_B
SCAPER	0.00435	0.49846	0.239	0.17	1	HC_vs_MS.Trt_B
SPHK2	0.00435	0.26602	0.293	0.22	1	HC_vs_MS.Trt_B
PHKB	0.00436	-0.3762	0.745	0.62	1	HC_vs_MS.Trt_B
DPH3	0.00436	1.00564	0.238	0.17	1	HC_vs_MS.Trt_B
VARS2	0.00438	1.43033	0.471	0.39	1	HC_vs_MS.Trt_B
SRSF8	0.00441	-0.2888	0.568	0.5	1	HC_vs_MS.Trt_B
SKIL	0.00442	0.70492	0.277	0.2	1	HC_vs_MS.Trt_B
APPL2	0.00444	0.51038	0.348	0.27	1	HC_vs_MS.Trt_B
HTT	0.00449	0.30956	0.236	0.16	1	HC_vs_MS.Trt_B
STK17A	0.00449	0.32357	0.274	0.2	1	HC_vs_MS.Trt_B
C1orf162	0.00449	0.5774	0.11	0.06	1	HC_vs_MS.Trt_B
ZNF84	0.00449	-0.3774	0.284	0.21	1	HC_vs_MS.Trt_B
TTC33	0.00451	-0.399	0.228	0.16	1	HC_vs_MS.Trt_B
DDX47	0.00451	-0.7227	0.507	0.41	1	HC_vs_MS.Trt_B

ST3GAL6	0.00452	0.38396	0.31	0.23	1	HC_vs_MS.Trt_B
NECAP1	0.00454	0.2634	0.436	0.35	1	HC_vs_MS.Trt_B
ASPSCR1	0.00456	0.86025	0.613	0.56	1	HC_vs_MS.Trt_B
SET	0.00456	-0.5971	0.888	0.85	1	HC_vs_MS.Trt_B
ADGRG1	0.00464	-0.3078	0.654	0.58	1	HC_vs_MS.Trt_B
HEBP2	0.00464	-1.1199	0.377	0.29	1	HC_vs_MS.Trt_B
HMGNA4	0.00467	0.28822	0.241	0.18	1	HC_vs_MS.Trt_B
BRE	0.00468	0.30309	0.2	0.14	1	HC_vs_MS.Trt_B
GULP1	0.00468	0.32843	0.42	0.35	1	HC_vs_MS.Trt_B
SLC35G2	0.00469	-1.0332	0.162	0.11	1	HC_vs_MS.Trt_B
CTSA	0.0047	0.34445	0.659	0.56	1	HC_vs_MS.Trt_B
IGF2R	0.00471	-0.2868	0.401	0.34	1	HC_vs_MS.Trt_B
HAUS5	0.00473	-0.5582	0.422	0.32	1	HC_vs_MS.Trt_B
HLX	0.00475	0.39655	0.193	0.13	1	HC_vs_MS.Trt_B
BTLA	0.00476	1.31592	0.154	0.1	1	HC_vs_MS.Trt_B
ADAM15	0.00477	0.51139	0.361	0.29	1	HC_vs_MS.Trt_B
TRIM11	0.00479	0.43095	0.507	0.43	1	HC_vs_MS.Trt_B
STAG2	0.00479	-0.3922	0.765	0.67	1	HC_vs_MS.Trt_B
WIZ	0.00481	0.51126	0.287	0.22	1	HC_vs_MS.Trt_B
RP11-722G7	0.00481	0.40291	0.438	0.36	1	HC_vs_MS.Trt_B
DHRS11	0.00481	-0.4635	0.283	0.21	1	HC_vs_MS.Trt_B
DNAJB13	0.00482	0.42263	0.364	0.28	1	HC_vs_MS.Trt_B
FDFT1	0.00484	0.26595	0.296	0.22	1	HC_vs_MS.Trt_B
WDR36	0.00484	0.49214	0.142	0.09	1	HC_vs_MS.Trt_B
TANC2	0.00484	0.59515	0.257	0.18	1	HC_vs_MS.Trt_B
ARRDC1	0.00485	0.52535	0.235	0.17	1	HC_vs_MS.Trt_B
ESPL1	0.00487	0.25897	0.68	0.58	1	HC_vs_MS.Trt_B
FASTKD1	0.00488	0.38799	0.23	0.16	1	HC_vs_MS.Trt_B
AR	0.00493	0.46973	0.222	0.16	1	HC_vs_MS.Trt_B
SDR42E1	0.00493	0.81509	0.386	0.31	1	HC_vs_MS.Trt_B
COX6C	0.00499	-0.2833	0.467	0.37	1	HC_vs_MS.Trt_B
RNF135	0.00502	0.54143	0.248	0.17	1	HC_vs_MS.Trt_B
AP003419.1	0.00502	0.44797	0.155	0.1	1	HC_vs_MS.Trt_B
CACNB2	0.00503	0.3411	0.449	0.37	1	HC_vs_MS.Trt_B
ABCF2	0.00505	0.58309	0.226	0.16	1	HC_vs_MS.Trt_B
ZNF441	0.00506	0.66693	0.174	0.11	1	HC_vs_MS.Trt_B
THRA	0.00507	0.47711	0.142	0.09	1	HC_vs_MS.Trt_B
CHI3L2	0.00508	0.52207	0.201	0.14	1	HC_vs_MS.Trt_B
KIAA0430	0.00509	0.27862	0.28	0.21	1	HC_vs_MS.Trt_B
ZNF701	0.00509	0.32646	0.436	0.38	1	HC_vs_MS.Trt_B



NBPF20	0.00512	0.35368	0.317	0.24	1	HC_vs_MS.Trt_B
C10orf54	0.00512	0.28794	0.355	0.28	1	HC_vs_MS.Trt_B
CECR5	0.00514	0.41757	0.175	0.12	1	HC_vs_MS.Trt_B
LOXL2	0.00515	0.31167	0.71	0.63	1	HC_vs_MS.Trt_B
CYHR1	0.00518	0.42581	0.268	0.21	1	HC_vs_MS.Trt_B
TRPC4AP	0.00521	0.3564	0.264	0.19	1	HC_vs_MS.Trt_B
WDR5B	0.00521	0.52704	0.183	0.12	1	HC_vs_MS.Trt_B
UNC45B	0.00522	0.81314	0.12	0.07	1	HC_vs_MS.Trt_B
NME4	0.00524	0.97277	0.116	0.07	1	HC_vs_MS.Trt_B
CFTR	0.00524	0.2595	0.264	0.19	1	HC_vs_MS.Trt_B
CBY1	0.00524	0.53143	0.188	0.13	1	HC_vs_MS.Trt_B
STARD7	0.00527	0.30918	0.499	0.43	1	HC_vs_MS.Trt_B
HERC6	0.00528	0.83969	0.306	0.24	1	HC_vs_MS.Trt_B
FAM111A	0.00529	0.2525	0.474	0.4	1	HC_vs_MS.Trt_B
CREB3L2	0.00529	0.30626	0.445	0.39	1	HC_vs_MS.Trt_B
SLC25A42	0.00531	-0.765	0.538	0.47	1	HC_vs_MS.Trt_B
AAED1	0.00531	-0.8303	0.78	0.69	1	HC_vs_MS.Trt_B
SLC13A4	0.00534	0.37351	0.345	0.27	1	HC_vs_MS.Trt_B
UTY	0.00537	1.1482	0.422	0.35	1	HC_vs_MS.Trt_B
PRNP	0.00541	0.45674	0.187	0.13	1	HC_vs_MS.Trt_B
GCNT1	0.00545	0.55138	0.249	0.18	1	HC_vs_MS.Trt_B
GNA13	0.00548	0.63919	0.132	0.08	1	HC_vs_MS.Trt_B
LETM1	0.00548	-0.2697	0.828	0.76	1	HC_vs_MS.Trt_B
ATP5B	0.00548	0.27207	0.325	0.25	1	HC_vs_MS.Trt_B
TNKS2	0.00549	0.33463	0.259	0.19	1	HC_vs_MS.Trt_B
CHMP7	0.0055	0.35172	0.51	0.45	1	HC_vs_MS.Trt_B
CASP3	0.00551	0.84741	0.12	0.07	1	HC_vs_MS.Trt_B
DROSHA	0.00553	0.28638	0.332	0.26	1	HC_vs_MS.Trt_B
TIPIN	0.00554	0.26259	0.562	0.48	1	HC_vs_MS.Trt_B
UPK3B	0.00554	0.41212	0.113	0.07	1	HC_vs_MS.Trt_B
RPS15	0.00558	-0.3247	0.928	0.86	1	HC_vs_MS.Trt_B
IPO7	0.00558	-0.501	0.4	0.32	1	HC_vs_MS.Trt_B
KLHL11	0.00563	0.58388	0.475	0.41	1	HC_vs_MS.Trt_B
TPO	0.00565	0.61171	0.228	0.16	1	HC_vs_MS.Trt_B
IMPG2	0.00567	0.25376	0.291	0.22	1	HC_vs_MS.Trt_B
3-Mar	0.00568	0.92305	0.326	0.26	1	HC_vs_MS.Trt_B
SREBF2	0.00568	0.55862	0.138	0.09	1	HC_vs_MS.Trt_B
ANKRD40	0.00569	-0.453	0.746	0.66	1	HC_vs_MS.Trt_B
RBBP7	0.00571	-0.2738	0.701	0.63	1	HC_vs_MS.Trt_B
MOV10	0.00575	0.30433	0.449	0.36	1	HC_vs_MS.Trt_B

SMUG1	0.00579	-0.4422	0.686	0.58	1	HC_vs_MS.Trt_B
FAM208A	0.00581	-0.4357	0.736	0.65	1	HC_vs_MS.Trt_B
THAP5	0.00583	-0.6204	0.87	0.8	1	HC_vs_MS.Trt_B
USP45	0.00586	0.77402	0.172	0.12	1	HC_vs_MS.Trt_B
MAPKAP1	0.00586	-0.2699	0.362	0.28	1	HC_vs_MS.Trt_B
RUNDC1	0.00591	0.25253	0.701	0.63	1	HC_vs_MS.Trt_B
PDGFA	0.00592	0.6321	0.501	0.46	1	HC_vs_MS.Trt_B
CHRNB1	0.00595	-0.5542	0.584	0.48	1	HC_vs_MS.Trt_B
TEX2	0.00596	0.62576	0.632	0.57	1	HC_vs_MS.Trt_B
OLFML1	0.006	0.63196	0.225	0.17	1	HC_vs_MS.Trt_B
APH1A	0.006	0.34956	0.181	0.12	1	HC_vs_MS.Trt_B
TPRG1L	0.00601	-0.9657	0.242	0.18	1	HC_vs_MS.Trt_B
NOS3	0.00601	0.54569	0.362	0.29	1	HC_vs_MS.Trt_B
ACRC	0.00604	0.94959	0.423	0.34	1	HC_vs_MS.Trt_B
USP25	0.00605	-0.2992	0.449	0.36	1	HC_vs_MS.Trt_B
C1orf52	0.00605	0.62979	0.283	0.22	1	HC_vs_MS.Trt_B
UHRF1BP1L	0.00615	-0.4788	0.323	0.24	1	HC_vs_MS.Trt_B
NQO1	0.00616	0.48478	0.517	0.46	1	HC_vs_MS.Trt_B
IRF4	0.00617	0.30316	0.259	0.19	1	HC_vs_MS.Trt_B
PHC1	0.00617	0.58585	0.12	0.07	1	HC_vs_MS.Trt_B
PINK1	0.00619	0.41207	0.268	0.19	1	HC_vs_MS.Trt_B
ZNF248	0.0062	0.27363	0.149	0.1	1	HC_vs_MS.Trt_B
MTA2	0.00622	-0.3908	0.249	0.32	1	HC_vs_MS.Trt_B
GABARAPL2	0.00624	-0.2781	0.443	0.37	1	HC_vs_MS.Trt_B
FAM160A1	0.00624	-0.8178	0.187	0.13	1	HC_vs_MS.Trt_B
PPIAL4G	0.00624	-0.3425	0.619	0.56	1	HC_vs_MS.Trt_B
IQCB1	0.0063	0.40038	0.11	0.06	1	HC_vs_MS.Trt_B
ERGIC3	0.00633	-0.5628	0.803	0.7	1	HC_vs_MS.Trt_B
GRK7	0.00635	-0.2936	0.329	0.26	1	HC_vs_MS.Trt_B
MBD4	0.00635	0.40352	0.249	0.18	1	HC_vs_MS.Trt_B
MTF1	0.00635	-0.2602	0.267	0.2	1	HC_vs_MS.Trt_B
ZBTB7A	0.00635	0.49839	0.12	0.07	1	HC_vs_MS.Trt_B
CD300LD	0.00637	0.25887	0.362	0.28	1	HC_vs_MS.Trt_B
SLC16A4	0.0064	0.30333	0.662	0.58	1	HC_vs_MS.Trt_B
FGGY	0.00643	0.64452	0.394	0.32	1	HC_vs_MS.Trt_B
VWA7	0.00643	0.26275	0.313	0.24	1	HC_vs_MS.Trt_B
SLC2A8	0.00645	0.38082	0.259	0.2	1	HC_vs_MS.Trt_B
CCDC170	0.00646	-0.2957	0.377	0.31	1	HC_vs_MS.Trt_B
FAM91A1	0.00646	1.36738	0.299	0.23	1	HC_vs_MS.Trt_B
PIM2	0.00647	0.26155	0.77	0.73	1	HC_vs_MS.Trt_B

EXO1	0.00652	0.27849	0.164	0.11	1	HC_vs_MS.Trt_B
UST	0.00653	-0.7491	0.272	0.2	1	HC_vs_MS.Trt_B
STRC	0.00655	-0.8177	0.503	0.43	1	HC_vs_MS.Trt_B
DERL1	0.00656	-0.2625	0.468	0.38	1	HC_vs_MS.Trt_B
PLEKHG3	0.00659	0.31928	0.396	0.33	1	HC_vs_MS.Trt_B
LGSN	0.00662	0.28131	0.452	0.38	1	HC_vs_MS.Trt_B
GNS	0.00662	1.05374	0.739	0.7	1	HC_vs_MS.Trt_B
PQLC2	0.00664	-0.2911	0.396	0.32	1	HC_vs_MS.Trt_B
CLDN4	0.00667	0.69224	0.543	0.45	1	HC_vs_MS.Trt_B
CDH9	0.00667	0.28924	0.12	0.07	1	HC_vs_MS.Trt_B
ALOX15	0.00669	0.28206	0.145	0.09	1	HC_vs_MS.Trt_B
MRPS15	0.00671	-0.3558	0.49	0.42	1	HC_vs_MS.Trt_B
TUBA4A	0.00674	0.2878	0.22	0.16	1	HC_vs_MS.Trt_B
ARFGEF1	0.00687	-0.5137	0.628	0.53	1	HC_vs_MS.Trt_B
CCDC36	0.00691	-0.7494	0.333	0.25	1	HC_vs_MS.Trt_B
TRIM27	0.00692	-0.316	0.384	0.31	1	HC_vs_MS.Trt_B
DCAKD	0.00692	0.44998	0.39	0.31	1	HC_vs_MS.Trt_B
MYBBP1A	0.00693	0.5253	0.143	0.09	1	HC_vs_MS.Trt_B
PACS2	0.00694	0.48817	0.246	0.19	1	HC_vs_MS.Trt_B
C6orf163	0.00699	0.41722	0.452	0.36	1	HC_vs_MS.Trt_B
KIAA1033	0.00705	0.28707	0.281	0.21	1	HC_vs_MS.Trt_B
ZNF197	0.00708	0.59631	0.467	0.39	1	HC_vs_MS.Trt_B
NIN	0.00708	0.33236	0.212	0.15	1	HC_vs_MS.Trt_B
RRP1B	0.00708	0.44375	0.199	0.14	1	HC_vs_MS.Trt_B
WNT10A	0.00711	0.74349	0.126	0.08	1	HC_vs_MS.Trt_B
ACBD4	0.00718	0.38033	0.317	0.25	1	HC_vs_MS.Trt_B
FAM50A	0.00718	0.39085	0.114	0.07	1	HC_vs_MS.Trt_B
HSD17B1	0.00719	-0.3944	0.725	0.62	1	HC_vs_MS.Trt_B
ETFA	0.0072	-0.2855	0.643	0.55	1	HC_vs_MS.Trt_B
BZW2	0.00721	0.43676	0.133	0.08	1	HC_vs_MS.Trt_B
USP49	0.00721	0.41123	0.694	0.6	1	HC_vs_MS.Trt_B
TMX4	0.00725	0.27598	0.535	0.48	1	HC_vs_MS.Trt_B
GALNT16	0.00726	0.34409	0.552	0.48	1	HC_vs_MS.Trt_B
APBB3	0.00727	0.36591	0.123	0.07	1	HC_vs_MS.Trt_B
ARF6	0.00728	-0.6434	0.535	0.61	1	HC_vs_MS.Trt_B
CTD-3105H1	0.00729	0.3482	0.293	0.22	1	HC_vs_MS.Trt_B
KBTBD6	0.00737	1.02137	0.325	0.25	1	HC_vs_MS.Trt_B
AC006449.1	0.00739	0.37737	0.116	0.07	1	HC_vs_MS.Trt_B
C14orf80	0.00742	-0.9389	0.262	0.2	1	HC_vs_MS.Trt_B
H2AFV	0.00745	-0.4969	0.603	0.51	1	HC_vs_MS.Trt_B

KIAA1143	0.00745	0.52853	0.491	0.43	1	HC_vs_MS.Trt_B
CNOT3	0.00747	0.99037	0.123	0.07	1	HC_vs_MS.Trt_B
ZNF846	0.00749	0.52914	0.446	0.36	1	HC_vs_MS.Trt_B
PLA2G4B	0.00752	-0.6222	0.448	0.38	1	HC_vs_MS.Trt_B
ATE1	0.00756	0.5611	0.286	0.22	1	HC_vs_MS.Trt_B
GM2A	0.0076	0.70955	0.528	0.46	1	HC_vs_MS.Trt_B
MAP1S	0.00762	0.42155	0.581	0.52	1	HC_vs_MS.Trt_B
MYSM1	0.00765	0.26777	0.206	0.15	1	HC_vs_MS.Trt_B
PAPOLG	0.00769	-0.2775	0.733	0.65	1	HC_vs_MS.Trt_B
SYNGR2	0.0077	-0.4821	0.555	0.46	1	HC_vs_MS.Trt_B
GTPBP3	0.00771	-0.4746	0.632	0.57	1	HC_vs_MS.Trt_B
SATB1	0.00772	0.38144	0.239	0.18	1	HC_vs_MS.Trt_B
SERAC1	0.00775	0.38968	0.442	0.36	1	HC_vs_MS.Trt_B
RP5-994D16	0.0078	0.91248	0.462	0.39	1	HC_vs_MS.Trt_B
INPP5E	0.00781	0.3949	0.27	0.2	1	HC_vs_MS.Trt_B
CASC10	0.00787	-0.4452	0.372	0.3	1	HC_vs_MS.Trt_B
ZMYM4	0.00795	-0.4098	0.126	0.08	1	HC_vs_MS.Trt_B
TRIM34	0.00797	-0.3104	0.314	0.25	1	HC_vs_MS.Trt_B
CCDC90B	0.00798	-0.2537	0.957	0.87	1	HC_vs_MS.Trt_B
CAMKK2	0.00798	0.84029	0.465	0.4	1	HC_vs_MS.Trt_B
TMEM267	0.00799	0.77632	0.286	0.22	1	HC_vs_MS.Trt_B
COX19	0.008	0.25599	0.601	0.5	1	HC_vs_MS.Trt_B
COMMD2	0.00804	0.3257	0.329	0.26	1	HC_vs_MS.Trt_B
RFTN1	0.00805	0.46971	0.346	0.28	1	HC_vs_MS.Trt_B
GNLY	0.00806	0.73852	0.226	0.17	1	HC_vs_MS.Trt_B
SLC25A4	0.00808	-0.79	0.272	0.21	1	HC_vs_MS.Trt_B
KTN1	0.0081	-0.5212	0.571	0.45	1	HC_vs_MS.Trt_B
UBAP1L	0.00811	0.65482	0.355	0.29	1	HC_vs_MS.Trt_B
VN1R1	0.00815	0.26345	0.154	0.1	1	HC_vs_MS.Trt_B
TLL2	0.00816	0.29915	0.316	0.25	1	HC_vs_MS.Trt_B
KIAA0368	0.00816	0.36069	0.212	0.15	1	HC_vs_MS.Trt_B
AURKA	0.00818	-1.1878	0.286	0.23	1	HC_vs_MS.Trt_B
BLOC1S5	0.00821	-0.2708	0.636	0.52	1	HC_vs_MS.Trt_B
FIS1	0.00822	0.30275	0.235	0.17	1	HC_vs_MS.Trt_B
YARS2	0.00823	-0.3924	0.377	0.28	1	HC_vs_MS.Trt_B
DPP9	0.00824	0.25185	0.649	0.58	1	HC_vs_MS.Trt_B
OLAH	0.00825	0.28126	0.432	0.37	1	HC_vs_MS.Trt_B
USB1	0.00829	0.49937	0.119	0.07	1	HC_vs_MS.Trt_B
ECHDC3	0.00837	0.77916	0.109	0.06	1	HC_vs_MS.Trt_B
SENP8	0.00839	-0.2573	0.445	0.39	1	HC_vs_MS.Trt_B

MYH14	0.00841	0.306	0.201	0.15	1	HC_vs_MS.Trt_B
SLC6A6	0.00844	0.57752	0.148	0.1	1	HC_vs_MS.Trt_B
LXN	0.00846	-0.4101	0.168	0.11	1	HC_vs_MS.Trt_B
RAI1	0.00848	0.37647	0.209	0.15	1	HC_vs_MS.Trt_B
RECQL5	0.00848	0.3197	0.196	0.14	1	HC_vs_MS.Trt_B
METTL21B	0.00851	0.63171	0.448	0.38	1	HC_vs_MS.Trt_B
IQCK	0.00854	0.55018	0.19	0.13	1	HC_vs_MS.Trt_B
DEPDC1B	0.00855	-0.6965	0.206	0.15	1	HC_vs_MS.Trt_B
SLC1A2	0.0086	0.56264	0.329	0.26	1	HC_vs_MS.Trt_B
ANKRD16	0.00861	0.40245	0.429	0.35	1	HC_vs_MS.Trt_B
ASB8	0.00865	0.28185	0.648	0.61	1	HC_vs_MS.Trt_B
JADE2	0.0087	0.36405	0.155	0.1	1	HC_vs_MS.Trt_B
ZHX1	0.00872	0.47659	0.548	0.49	1	HC_vs_MS.Trt_B
DEAF1	0.00873	0.49946	0.296	0.22	1	HC_vs_MS.Trt_B
SP1	0.00873	0.78397	0.168	0.12	1	HC_vs_MS.Trt_B
SMN1	0.00876	-0.2736	0.383	0.3	1	HC_vs_MS.Trt_B
VAMP3	0.00878	0.27159	0.278	0.21	1	HC_vs_MS.Trt_B
ELOVL6	0.00879	0.34276	0.274	0.21	1	HC_vs_MS.Trt_B
CENPF	0.00884	0.59376	0.343	0.26	1	HC_vs_MS.Trt_B
UPP1	0.00886	-0.3286	0.636	0.53	1	HC_vs_MS.Trt_B
POLDIP3	0.00891	0.3671	0.119	0.07	1	HC_vs_MS.Trt_B
CCDC102B	0.00891	0.59157	0.157	0.1	1	HC_vs_MS.Trt_B
TTC31	0.00891	0.26908	0.206	0.15	1	HC_vs_MS.Trt_B
TRIM37	0.00891	0.73188	0.17	0.11	1	HC_vs_MS.Trt_B
PAK6	0.00895	0.52447	0.155	0.1	1	HC_vs_MS.Trt_B
MDN1	0.00902	0.25723	0.241	0.18	1	HC_vs_MS.Trt_B
FOXM1	0.00914	0.67077	0.686	0.61	1	HC_vs_MS.Trt_B
ZCCHC10	0.00914	-0.6671	0.586	0.49	1	HC_vs_MS.Trt_B
LIPC	0.0092	0.95078	0.306	0.24	1	HC_vs_MS.Trt_B
PSTPIP1	0.0093	-0.3857	0.414	0.33	1	HC_vs_MS.Trt_B
CISD2	0.00932	0.73043	0.439	0.35	1	HC_vs_MS.Trt_B
CCDC66	0.00935	-0.6155	0.601	0.51	1	HC_vs_MS.Trt_B
P2RY10	0.00937	0.29188	0.309	0.23	1	HC_vs_MS.Trt_B
OR5A2	0.00939	0.28174	0.219	0.16	1	HC_vs_MS.Trt_B
N4BP2	0.00945	-0.7469	0.332	0.26	1	HC_vs_MS.Trt_B
TOR4A	0.00947	-0.6649	0.187	0.13	1	HC_vs_MS.Trt_B
ATXN7	0.00953	0.41107	0.497	0.42	1	HC_vs_MS.Trt_B
CDK17	0.00954	0.37879	0.172	0.12	1	HC_vs_MS.Trt_B
DDX43	0.00955	0.90749	0.168	0.11	1	HC_vs_MS.Trt_B
AC138645.2	0.00957	0.31988	0.112	0.07	1	HC_vs_MS.Trt_B

AKR1C1	0.00957	0.29497	0.229	0.17	1	HC_vs_MS.Trt_B
GAREM2	0.00964	0.25336	0.499	0.4	1	HC_vs_MS.Trt_B
KLRK1	0.00966	-1.1062	0.643	0.58	1	HC_vs_MS.Trt_B
STAT2	0.00969	0.25715	0.883	0.84	1	HC_vs_MS.Trt_B
NHEJ1	0.0097	1.7771	0.161	0.11	1	HC_vs_MS.Trt_B
CTSW	0.0097	-0.6966	0.622	0.53	1	HC_vs_MS.Trt_B
ERCC3	0.00972	-0.6929	0.361	0.29	1	HC_vs_MS.Trt_B
AKT1	0.00975	-0.4341	0.203	0.14	1	HC_vs_MS.Trt_B
PROSER1	0.00976	0.59885	0.171	0.12	1	HC_vs_MS.Trt_B
ALKBH2	0.00979	0.54979	0.307	0.24	1	HC_vs_MS.Trt_B
ATN1	0.0098	0.41576	0.17	0.12	1	HC_vs_MS.Trt_B
TRAPPC2B	0.00985	-0.4244	0.328	0.26	1	HC_vs_MS.Trt_B
SART3	0.00987	0.74842	0.138	0.09	1	HC_vs_MS.Trt_B
MYB	0.00989	0.87035	0.28	0.21	1	HC_vs_MS.Trt_B
TPRG1	0.0099	0.39193	0.18	0.12	1	HC_vs_MS.Trt_B
DYNLRB1	0.0099	0.31005	0.177	0.12	1	HC_vs_MS.Trt_B
SV2C	0.00998	0.5144	0.53	0.44	1	HC_vs_MS.Trt_B
ZSCAN32	0.01	-0.6941	0.235	0.17	1	HC_vs_MS.Trt_B
APEH	0.01001	0.31256	0.19	0.13	1	HC_vs_MS.Trt_B
NFKBIA	0.01002	0.37102	0.243	0.18	1	HC_vs_MS.Trt_B
NDST4	0.01002	0.43811	0.109	0.06	1	HC_vs_MS.Trt_B
E2F8	0.01002	0.49351	0.133	0.09	1	HC_vs_MS.Trt_B
ZBTB16	0.01004	-0.7081	0.372	0.3	1	HC_vs_MS.Trt_B
DENND6A	0.01005	0.3284	0.559	0.48	1	HC_vs_MS.Trt_B
MTX2	0.01017	0.35999	0.191	0.14	1	HC_vs_MS.Trt_B
MRPS12	0.01019	-0.4805	0.371	0.3	1	HC_vs_MS.Trt_B
SHPK	0.01033	-0.7927	0.401	0.32	1	HC_vs_MS.Trt_B
PKIG	0.01033	-0.2748	0.626	0.52	1	HC_vs_MS.Trt_B
ZNF335	0.0104	0.30336	0.31	0.25	1	HC_vs_MS.Trt_B
HEXIM1	0.01046	0.40842	0.193	0.14	1	HC_vs_MS.Trt_B
SLC9A4	0.01047	0.26035	0.483	0.41	1	HC_vs_MS.Trt_B
WNK3	0.0105	-0.9881	0.288	0.22	1	HC_vs_MS.Trt_B
QRICH2	0.01055	0.70222	0.174	0.12	1	HC_vs_MS.Trt_B
RMI1	0.01057	-0.3359	0.242	0.18	1	HC_vs_MS.Trt_B
GTF2E1	0.01058	-0.7507	0.254	0.19	1	HC_vs_MS.Trt_B
AGBL2	0.01058	-0.3441	0.299	0.22	1	HC_vs_MS.Trt_B
SETMAR	0.0106	0.59404	0.314	0.25	1	HC_vs_MS.Trt_B
TCFL5	0.01061	0.69581	0.468	0.42	1	HC_vs_MS.Trt_B
CDCP1	0.01062	0.91602	0.43	0.37	1	HC_vs_MS.Trt_B
ANKRD6	0.01066	0.87542	0.165	0.11	1	HC_vs_MS.Trt_B

PIK3AP1	0.01067	-0.9277	0.122	0.08	1	HC_vs_MS.Trt_B
ATP8A1	0.01073	0.64028	0.161	0.11	1	HC_vs_MS.Trt_B
AGFG2	0.01076	0.27058	0.336	0.27	1	HC_vs_MS.Trt_B
SRL	0.01077	0.2877	0.346	0.29	1	HC_vs_MS.Trt_B
SPECC1L	0.01077	0.3122	0.136	0.09	1	HC_vs_MS.Trt_B
FOXO3	0.01079	0.40032	0.365	0.29	1	HC_vs_MS.Trt_B
C19orf44	0.01083	-0.4659	0.332	0.26	1	HC_vs_MS.Trt_B
ARMC8	0.01087	0.26202	0.472	0.4	1	HC_vs_MS.Trt_B
PPP4R3A	0.01093	0.37955	0.204	0.15	1	HC_vs_MS.Trt_B
NPRL3	0.01095	0.34721	0.299	0.23	1	HC_vs_MS.Trt_B
SLC15A2	0.01097	-0.4054	0.486	0.39	1	HC_vs_MS.Trt_B
C2CD5	0.01103	0.38646	0.165	0.11	1	HC_vs_MS.Trt_B
BMPR2	0.01103	0.41232	0.445	0.36	1	HC_vs_MS.Trt_B
PLCG1	0.01109	0.27271	0.364	0.29	1	HC_vs_MS.Trt_B
CPT1B	0.01111	0.9326	0.171	0.12	1	HC_vs_MS.Trt_B
CARNS1	0.01113	0.30424	0.197	0.14	1	HC_vs_MS.Trt_B
ARFIP1	0.01116	-0.472	0.212	0.15	1	HC_vs_MS.Trt_B
CARD14	0.01123	0.31032	0.762	0.69	1	HC_vs_MS.Trt_B
GRAMD3	0.01132	-0.4588	0.69	0.62	1	HC_vs_MS.Trt_B
IFT46	0.01134	0.67905	0.206	0.15	1	HC_vs_MS.Trt_B
AIG1	0.01135	0.35794	0.545	0.45	1	HC_vs_MS.Trt_B
SMC6	0.01157	-0.4144	0.464	0.39	1	HC_vs_MS.Trt_B
MRPL20	0.01162	-0.2863	0.509	0.44	1	HC_vs_MS.Trt_B
TRRAP	0.01163	0.55018	0.158	0.11	1	HC_vs_MS.Trt_B
RBM18	0.01163	0.3125	0.312	0.24	1	HC_vs_MS.Trt_B
USP13	0.01168	0.69858	0.259	0.2	1	HC_vs_MS.Trt_B
ARHGEF28	0.01173	0.27033	0.165	0.11	1	HC_vs_MS.Trt_B
NBAS	0.01173	-0.3027	0.213	0.15	1	HC_vs_MS.Trt_B
B3GAT3	0.01174	-0.4544	0.532	0.42	1	HC_vs_MS.Trt_B
TAF1B	0.0118	-0.288	0.464	0.38	1	HC_vs_MS.Trt_B
C6orf25	0.01185	0.53519	0.436	0.37	1	HC_vs_MS.Trt_B
PTK6	0.01188	0.66371	0.332	0.27	1	HC_vs_MS.Trt_B
ZBTB40	0.01192	0.5399	0.365	0.29	1	HC_vs_MS.Trt_B
SEPSECS	0.01192	0.54649	0.758	0.68	1	HC_vs_MS.Trt_B
NOP56	0.01193	-0.5682	0.4	0.32	1	HC_vs_MS.Trt_B
ZNF614	0.01195	0.95171	0.252	0.19	1	HC_vs_MS.Trt_B
ZNF257	0.01195	-0.4294	0.536	0.45	1	HC_vs_MS.Trt_B
E2F5	0.01196	0.72704	0.332	0.28	1	HC_vs_MS.Trt_B
LRWD1	0.01207	-0.2504	0.541	0.48	1	HC_vs_MS.Trt_B
PRIM2	0.01207	0.27183	0.436	0.36	1	HC_vs_MS.Trt_B

KCTD3	0.01212	0.32075	0.301	0.25	1	HC_vs_MS.Trt_B
PCDHGB6	0.01213	0.38658	0.352	0.29	1	HC_vs_MS.Trt_B
PLEKHM3	0.01223	0.67577	0.545	0.48	1	HC_vs_MS.Trt_B
ZC3H11A	0.01226	0.32213	0.204	0.15	1	HC_vs_MS.Trt_B
RDH11	0.01226	-0.2647	0.52	0.44	1	HC_vs_MS.Trt_B
GRAP2	0.01236	0.36993	0.268	0.21	1	HC_vs_MS.Trt_B
NDUFA12	0.01236	-0.933	0.168	0.22	1	HC_vs_MS.Trt_B
MPC2	0.01238	-0.4738	0.428	0.36	1	HC_vs_MS.Trt_B
ERLIN2	0.0124	0.29108	0.358	0.29	1	HC_vs_MS.Trt_B
CERKL	0.0124	-0.4516	0.354	0.28	1	HC_vs_MS.Trt_B
GYS1	0.01246	0.26822	0.139	0.09	1	HC_vs_MS.Trt_B
PVR	0.01259	-0.4811	0.454	0.39	1	HC_vs_MS.Trt_B
GCKR	0.0126	0.44641	0.139	0.09	1	HC_vs_MS.Trt_B
CD40	0.01261	0.2738	0.143	0.09	1	HC_vs_MS.Trt_B
RASGRP2	0.01265	0.28236	0.384	0.32	1	HC_vs_MS.Trt_B
LIN7C	0.0127	0.38903	0.297	0.24	1	HC_vs_MS.Trt_B
PSTK	0.01271	-0.4863	0.338	0.26	1	HC_vs_MS.Trt_B
CMPK1	0.01279	0.33613	0.232	0.17	1	HC_vs_MS.Trt_B
SDSL	0.0128	0.48928	0.328	0.26	1	HC_vs_MS.Trt_B
SPA17	0.01282	0.55061	0.212	0.15	1	HC_vs_MS.Trt_B
ODF2	0.01284	0.45158	0.461	0.4	1	HC_vs_MS.Trt_B
ANKRD20A3	0.01285	0.36845	0.112	0.07	1	HC_vs_MS.Trt_B
VAPA	0.01307	-0.3315	0.732	0.64	1	HC_vs_MS.Trt_B
CHAMP1	0.01308	0.52842	0.581	0.52	1	HC_vs_MS.Trt_B
TANGO2	0.01321	0.33761	0.841	0.77	1	HC_vs_MS.Trt_B
ZNF599	0.01325	-0.3502	0.565	0.46	1	HC_vs_MS.Trt_B
IFT74	0.01326	-0.2781	0.375	0.31	1	HC_vs_MS.Trt_B
AGGF1	0.0134	0.65834	0.123	0.08	1	HC_vs_MS.Trt_B
DERL2	0.01343	-0.3705	0.268	0.2	1	HC_vs_MS.Trt_B
PIGBOS1	0.01347	-0.4534	0.558	0.5	1	HC_vs_MS.Trt_B
RGS14	0.01348	0.28629	0.194	0.14	1	HC_vs_MS.Trt_B
SLC14A1	0.01349	-0.2732	0.484	0.4	1	HC_vs_MS.Trt_B
KIF9	0.01353	0.45005	0.106	0.06	1	HC_vs_MS.Trt_B
ZNF563	0.01358	0.62388	0.516	0.42	1	HC_vs_MS.Trt_B
MIS12	0.01363	-0.3287	0.291	0.22	1	HC_vs_MS.Trt_B
RUFY2	0.01363	0.35081	0.507	0.42	1	HC_vs_MS.Trt_B
NRIP2	0.01365	0.74289	0.336	0.27	1	HC_vs_MS.Trt_B
NEIL3	0.01369	0.57224	0.259	0.2	1	HC_vs_MS.Trt_B
BAG2	0.01372	0.42784	0.23	0.17	1	HC_vs_MS.Trt_B
RASSF1	0.01377	1.03209	0.155	0.11	1	HC_vs_MS.Trt_B



PET100	0.01379	-0.4397	0.623	0.53	1	HC_vs_MS.Trt_B
RAB26	0.0138	-0.2618	0.132	0.09	1	HC_vs_MS.Trt_B
PIGA	0.01382	-0.6467	0.39	0.32	1	HC_vs_MS.Trt_B
AIRE	0.01385	0.30542	0.217	0.16	1	HC_vs_MS.Trt_B
SH3GLB1	0.01387	0.28043	0.439	0.39	1	HC_vs_MS.Trt_B
HAVCR2	0.01393	-0.3222	0.514	0.43	1	HC_vs_MS.Trt_B
HSPB9	0.01398	0.59014	0.203	0.15	1	HC_vs_MS.Trt_B
TMSB15B	0.01398	0.6414	0.288	0.22	1	HC_vs_MS.Trt_B
C1orf146	0.01407	0.35657	0.165	0.11	1	HC_vs_MS.Trt_B
CNNM2	0.0141	0.47317	0.264	0.21	1	HC_vs_MS.Trt_B
CC2D2A	0.01415	0.31419	0.241	0.18	1	HC_vs_MS.Trt_B
KLHL9	0.01418	-0.6166	0.343	0.28	1	HC_vs_MS.Trt_B
PES1	0.01432	0.57854	0.104	0.06	1	HC_vs_MS.Trt_B
AGBL1	0.01433	0.28773	0.339	0.28	1	HC_vs_MS.Trt_B
LST1	0.01434	-0.3457	0.245	0.18	1	HC_vs_MS.Trt_B
IGHMBP2	0.01442	1.09075	0.349	0.29	1	HC_vs_MS.Trt_B
TGDS	0.01454	-0.3432	0.107	0.07	1	HC_vs_MS.Trt_B
TMEM159	0.01456	0.38061	0.607	0.56	1	HC_vs_MS.Trt_B
RNF170	0.0146	-0.3046	0.546	0.47	1	HC_vs_MS.Trt_B
TJP2	0.01464	0.52426	0.339	0.28	1	HC_vs_MS.Trt_B
POLA2	0.01467	0.37293	0.597	0.53	1	HC_vs_MS.Trt_B
RAC1	0.01468	0.25507	0.151	0.1	1	HC_vs_MS.Trt_B
JUNB	0.01468	0.28021	0.354	0.29	1	HC_vs_MS.Trt_B
CNIH3	0.01469	0.40082	0.171	0.12	1	HC_vs_MS.Trt_B
BBS1	0.01474	0.31215	0.577	0.5	1	HC_vs_MS.Trt_B
PDE8A	0.01481	0.72887	0.397	0.33	1	HC_vs_MS.Trt_B
SORBS1	0.01483	0.43192	0.219	0.16	1	HC_vs_MS.Trt_B
SNAP47	0.01486	0.41707	0.12	0.08	1	HC_vs_MS.Trt_B
SLC39A9	0.01487	0.91007	0.174	0.12	1	HC_vs_MS.Trt_B
GPR89B	0.01492	0.2885	0.314	0.25	1	HC_vs_MS.Trt_B
MRPL19	0.01497	0.58237	0.243	0.19	1	HC_vs_MS.Trt_B
RAP1GAP2	0.01501	0.47885	0.191	0.14	1	HC_vs_MS.Trt_B
FUNDC2	0.01529	-0.6192	0.451	0.39	1	HC_vs_MS.Trt_B
FMR1	0.01542	0.89578	0.103	0.06	1	HC_vs_MS.Trt_B
VPS13A	0.01544	-0.3948	0.287	0.22	1	HC_vs_MS.Trt_B
MITF	0.01544	0.36338	0.139	0.09	1	HC_vs_MS.Trt_B
C2CD2L	0.01546	0.59598	0.409	0.36	1	HC_vs_MS.Trt_B
TMUB2	0.01549	-0.3264	0.813	0.74	1	HC_vs_MS.Trt_B
AP3S1	0.0155	-0.2538	0.319	0.26	1	HC_vs_MS.Trt_B
CASP9	0.01551	-0.6813	0.328	0.26	1	HC_vs_MS.Trt_B

TACO1	0.01552	0.59901	0.37	0.31	1	HC_vs_MS.Trt_B
ZNF530	0.01556	0.69488	0.483	0.41	1	HC_vs_MS.Trt_B
PNP	0.01557	0.65822	0.316	0.24	1	HC_vs_MS.Trt_B
MLYCD	0.0156	0.32984	0.357	0.29	1	HC_vs_MS.Trt_B
DOPEY1	0.01562	0.38927	0.288	0.22	1	HC_vs_MS.Trt_B
FERMT2	0.01576	0.2515	0.452	0.39	1	HC_vs_MS.Trt_B
YES1	0.01583	-0.3987	0.358	0.29	1	HC_vs_MS.Trt_B
FGF11	0.01589	0.39649	0.21	0.15	1	HC_vs_MS.Trt_B
FBXO32	0.01601	0.55022	0.145	0.1	1	HC_vs_MS.Trt_B
MFSD9	0.01604	0.4912	0.488	0.42	1	HC_vs_MS.Trt_B
RPS6KA1	0.01604	0.37218	0.174	0.12	1	HC_vs_MS.Trt_B
NUDT6	0.01609	-0.6228	0.475	0.39	1	HC_vs_MS.Trt_B
TTC38	0.01611	1.13657	0.429	0.36	1	HC_vs_MS.Trt_B
SIK3	0.01613	1.07361	0.243	0.19	1	HC_vs_MS.Trt_B
CCDC126	0.0162	-0.6115	0.116	0.07	1	HC_vs_MS.Trt_B
NBPF1	0.01628	0.80376	0.229	0.17	1	HC_vs_MS.Trt_B
ZNF672	0.01632	-0.2863	0.236	0.17	1	HC_vs_MS.Trt_B
SSU72	0.01655	-0.2915	0.89	0.82	1	HC_vs_MS.Trt_B
THBS1	0.01661	0.45992	0.209	0.16	1	HC_vs_MS.Trt_B
LCA5L	0.01678	0.37106	0.342	0.28	1	HC_vs_MS.Trt_B
GRWD1	0.0168	0.32247	0.457	0.38	1	HC_vs_MS.Trt_B
EVI5L	0.01685	0.42292	0.268	0.21	1	HC_vs_MS.Trt_B
FAM188B	0.01686	0.41451	0.165	0.11	1	HC_vs_MS.Trt_B
ZNF287	0.01689	0.32445	0.365	0.31	1	HC_vs_MS.Trt_B
UQCRB	0.0169	-0.562	0.677	0.58	1	HC_vs_MS.Trt_B
OAS2	0.0169	0.33209	0.213	0.16	1	HC_vs_MS.Trt_B
MASP1	0.017	0.28623	0.238	0.19	1	HC_vs_MS.Trt_B
COX7A2	0.017	-0.6436	0.719	0.63	1	HC_vs_MS.Trt_B
ZNF789	0.01702	-0.2751	0.728	0.65	1	HC_vs_MS.Trt_B
FAM192A	0.01714	-0.3405	0.417	0.34	1	HC_vs_MS.Trt_B
ARHGAP19	0.01715	-0.8489	0.27	0.21	1	HC_vs_MS.Trt_B
DENND2D	0.01717	0.32379	0.384	0.32	1	HC_vs_MS.Trt_B
LAMC3	0.0173	-0.7488	0.264	0.2	1	HC_vs_MS.Trt_B
ANKRD17	0.01732	0.48415	0.251	0.19	1	HC_vs_MS.Trt_B
PKD2	0.01736	0.87098	0.183	0.13	1	HC_vs_MS.Trt_B
FAM185A	0.01737	0.3292	0.103	0.06	1	HC_vs_MS.Trt_B
CCP110	0.0174	0.98975	0.481	0.43	1	HC_vs_MS.Trt_B
LAMP3	0.01742	0.92481	0.394	0.34	1	HC_vs_MS.Trt_B
UBE3D	0.01745	-0.8177	0.528	0.44	1	HC_vs_MS.Trt_B
SIAH3	0.01749	0.25142	0.125	0.08	1	HC_vs_MS.Trt_B

MRPL35	0.01753	0.25404	0.106	0.07	1	HC_vs_MS.Trt_B
KDM5C	0.01767	0.50305	0.37	0.3	1	HC_vs_MS.Trt_B
GPR174	0.01772	0.4024	0.154	0.11	1	HC_vs_MS.Trt_B
KDEL1R1	0.01772	0.65546	0.243	0.19	1	HC_vs_MS.Trt_B
GBP1	0.01773	0.41375	0.229	0.17	1	HC_vs_MS.Trt_B
RCC1	0.01779	0.27924	0.159	0.11	1	HC_vs_MS.Trt_B
MRPL34	0.01783	-0.332	0.329	0.26	1	HC_vs_MS.Trt_B
DAZAP1	0.01807	0.4611	0.17	0.12	1	HC_vs_MS.Trt_B
EXD2	0.01811	1.0966	0.181	0.13	1	HC_vs_MS.Trt_B
PLEKHG5	0.01811	0.43643	0.165	0.12	1	HC_vs_MS.Trt_B
ZNF230	0.01813	0.86275	0.568	0.51	1	HC_vs_MS.Trt_B
ZNF678	0.0182	1.33179	0.172	0.12	1	HC_vs_MS.Trt_B
ATF6	0.0182	0.32543	0.209	0.16	1	HC_vs_MS.Trt_B
SPPL2B	0.01822	0.66945	0.368	0.31	1	HC_vs_MS.Trt_B
ENTPD6	0.01828	0.74036	0.12	0.08	1	HC_vs_MS.Trt_B
PRR13	0.01829	-0.3991	0.781	0.68	1	HC_vs_MS.Trt_B
NTPCR	0.01833	-0.3542	0.391	0.33	1	HC_vs_MS.Trt_B
DPY30	0.01847	-0.282	0.377	0.3	1	HC_vs_MS.Trt_B
FBXL22	0.01847	0.38762	0.103	0.06	1	HC_vs_MS.Trt_B
PGF	0.01852	-0.261	0.238	0.19	1	HC_vs_MS.Trt_B
BAG5	0.01853	-0.2689	0.323	0.26	1	HC_vs_MS.Trt_B
CDKN2AIPNI	0.01854	-0.4472	0.51	0.41	1	HC_vs_MS.Trt_B
GPM6A	0.01857	0.31873	0.28	0.22	1	HC_vs_MS.Trt_B
RAB8B	0.01866	0.7026	0.178	0.13	1	HC_vs_MS.Trt_B
GLOD4	0.01867	-0.4189	0.612	0.53	1	HC_vs_MS.Trt_B
IRF7	0.01878	0.90689	0.112	0.07	1	HC_vs_MS.Trt_B
URGCP	0.01883	-0.5243	0.459	0.39	1	HC_vs_MS.Trt_B
FANCC	0.01889	0.95818	0.264	0.21	1	HC_vs_MS.Trt_B
U2AF1	0.01894	-0.6025	0.535	0.44	1	HC_vs_MS.Trt_B
TCTN2	0.01898	-0.3522	0.73	0.62	1	HC_vs_MS.Trt_B
SMAD3	0.01917	0.53481	0.139	0.09	1	HC_vs_MS.Trt_B
JMJD1C	0.01919	0.27	0.22	0.17	1	HC_vs_MS.Trt_B
ZNF107	0.01919	0.37642	0.41	0.36	1	HC_vs_MS.Trt_B
ZNF594	0.0192	-1.0913	0.419	0.35	1	HC_vs_MS.Trt_B
DUSP4	0.01924	0.28943	0.164	0.11	1	HC_vs_MS.Trt_B
MTUS1	0.01927	0.55302	0.339	0.27	1	HC_vs_MS.Trt_B
ZNF592	0.01933	0.49346	0.167	0.12	1	HC_vs_MS.Trt_B
GLB1L2	0.0194	-0.5694	0.341	0.27	1	HC_vs_MS.Trt_B
ANKRD7	0.01945	0.4615	0.171	0.12	1	HC_vs_MS.Trt_B
BIRC2	0.01948	0.69614	0.133	0.09	1	HC_vs_MS.Trt_B

LRR47	0.01965	0.3297	0.281	0.22	1	HC_vs_MS.Trt_B
SMARCC1	0.01981	0.38349	0.423	0.36	1	HC_vs_MS.Trt_B
USP42	0.01984	0.25837	0.449	0.39	1	HC_vs_MS.Trt_B
NLE1	0.01994	0.9654	0.214	0.17	1	HC_vs_MS.Trt_B
ANKRD9	0.01998	0.46602	0.47	0.41	1	HC_vs_MS.Trt_B
SMARCD1	0.01999	0.50359	0.132	0.09	1	HC_vs_MS.Trt_B
OAZ3	0.01999	-0.7537	0.38	0.31	1	HC_vs_MS.Trt_B
TOP3B	0.02013	0.5208	0.133	0.09	1	HC_vs_MS.Trt_B
SUB1	0.02026	-0.3501	0.551	0.45	1	HC_vs_MS.Trt_B
RALGPS2	0.02039	-0.581	0.354	0.3	1	HC_vs_MS.Trt_B
CCDC97	0.02043	0.34714	0.126	0.08	1	HC_vs_MS.Trt_B
KLHL8	0.02044	-0.3258	0.599	0.51	1	HC_vs_MS.Trt_B
SNX3	0.02052	-0.381	0.158	0.11	1	HC_vs_MS.Trt_B
UBB	0.02071	-0.4754	0.503	0.54	1	HC_vs_MS.Trt_B
POMGNT1	0.02081	0.67543	0.662	0.61	1	HC_vs_MS.Trt_B
GABRA6	0.02087	-0.2509	0.067	0.11	1	HC_vs_MS.Trt_B
OCIAD2	0.02107	-0.6436	0.626	0.54	1	HC_vs_MS.Trt_B
USP7	0.02113	-0.3298	0.304	0.24	1	HC_vs_MS.Trt_B
TMEM106A	0.02117	-0.4499	0.677	0.6	1	HC_vs_MS.Trt_B
ZBTB38	0.02125	-0.2524	0.535	0.47	1	HC_vs_MS.Trt_B
ATP10A	0.02129	0.38782	0.101	0.06	1	HC_vs_MS.Trt_B
ZNF688	0.0213	-0.9712	0.529	0.48	1	HC_vs_MS.Trt_B
KLHDC10	0.02146	-0.3624	0.387	0.31	1	HC_vs_MS.Trt_B
DDX56	0.02148	0.27967	0.217	0.17	1	HC_vs_MS.Trt_B
APIP	0.02148	0.53991	0.455	0.41	1	HC_vs_MS.Trt_B
AHR	0.02157	0.53955	0.607	0.55	1	HC_vs_MS.Trt_B
CCDC137	0.02161	-0.7638	0.225	0.17	1	HC_vs_MS.Trt_B
FAM210B	0.02164	0.31198	0.31	0.25	1	HC_vs_MS.Trt_B
CCDC22	0.02165	0.42253	0.129	0.09	1	HC_vs_MS.Trt_B
ARL13B	0.02167	0.39209	0.187	0.14	1	HC_vs_MS.Trt_B
GDI1	0.02193	0.57604	0.274	0.22	1	HC_vs_MS.Trt_B
CTPS1	0.0221	-0.6146	0.609	0.55	1	HC_vs_MS.Trt_B
ZNF610	0.02211	0.40846	0.362	0.31	1	HC_vs_MS.Trt_B
GSE1	0.02214	0.612	0.338	0.28	1	HC_vs_MS.Trt_B
XKR8	0.02216	1.19785	0.17	0.12	1	HC_vs_MS.Trt_B
TOR1A	0.0222	-0.5602	0.68	0.58	1	HC_vs_MS.Trt_B
ZNF497	0.0223	1.48243	0.268	0.21	1	HC_vs_MS.Trt_B
TBC1D31	0.02246	0.26629	0.597	0.52	1	HC_vs_MS.Trt_B
TMEM42	0.02251	-0.4048	0.113	0.07	1	HC_vs_MS.Trt_B
POLR1C	0.02254	0.52426	0.412	0.36	1	HC_vs_MS.Trt_B

PODXL	0.02264	0.29783	0.193	0.15	1	HC_vs_MS.Trt_B
CXorf21	0.02265	1.01641	0.286	0.23	1	HC_vs_MS.Trt_B
PTER	0.02267	0.54723	0.152	0.11	1	HC_vs_MS.Trt_B
DUSP18	0.02273	0.28659	0.586	0.54	1	HC_vs_MS.Trt_B
PGGHG	0.02278	0.6005	0.146	0.1	1	HC_vs_MS.Trt_B
FAR2	0.02287	0.5624	0.186	0.14	1	HC_vs_MS.Trt_B
KLRC1	0.02288	0.36725	0.291	0.23	1	HC_vs_MS.Trt_B
CPNE2	0.02296	-0.7463	0.372	0.31	1	HC_vs_MS.Trt_B
CLIP4	0.02303	1.02568	0.125	0.09	1	HC_vs_MS.Trt_B
FSBP	0.02306	0.89219	0.314	0.26	1	HC_vs_MS.Trt_B
FAM160B1	0.02308	0.37751	0.191	0.14	1	HC_vs_MS.Trt_B
CXXC1	0.02316	0.50735	0.149	0.11	1	HC_vs_MS.Trt_B
INTS4	0.02322	0.45064	0.341	0.28	1	HC_vs_MS.Trt_B
TNFRSF10B	0.0233	0.72603	0.404	0.34	1	HC_vs_MS.Trt_B
ZNF280B	0.02332	-0.5215	0.116	0.08	1	HC_vs_MS.Trt_B
PTBP2	0.02334	-0.5098	0.562	0.47	1	HC_vs_MS.Trt_B
GTPBP2	0.02346	-0.34	0.516	0.46	1	HC_vs_MS.Trt_B
RIPK1	0.02349	0.74581	0.167	0.12	1	HC_vs_MS.Trt_B
C12orf43	0.02355	-0.2963	0.843	0.77	1	HC_vs_MS.Trt_B
DCP1A	0.02357	0.42535	0.355	0.29	1	HC_vs_MS.Trt_B
C8orf76	0.02376	-0.3068	0.572	0.5	1	HC_vs_MS.Trt_B
JKAMP	0.0238	-0.4733	0.745	0.68	1	HC_vs_MS.Trt_B
GSK3A	0.0239	0.75551	0.328	0.27	1	HC_vs_MS.Trt_B
ANKRD42	0.02398	0.28078	0.384	0.33	1	HC_vs_MS.Trt_B
HEMGN	0.02401	-0.3607	0.117	0.08	1	HC_vs_MS.Trt_B
SEC24C	0.02402	0.56926	0.22	0.17	1	HC_vs_MS.Trt_B
RTTN	0.02412	0.70557	0.239	0.19	1	HC_vs_MS.Trt_B
STK24	0.02419	-0.3693	0.254	0.2	1	HC_vs_MS.Trt_B
METTL10	0.02423	-0.2588	0.317	0.25	1	HC_vs_MS.Trt_B
PI4KB	0.02424	0.60327	0.167	0.12	1	HC_vs_MS.Trt_B
TMEM185B	0.02426	1.01378	0.332	0.27	1	HC_vs_MS.Trt_B
TK2	0.02427	0.25718	0.126	0.09	1	HC_vs_MS.Trt_B
ECT2L	0.02438	0.29119	0.277	0.22	1	HC_vs_MS.Trt_B
COMMD10	0.02438	-0.5509	0.275	0.22	1	HC_vs_MS.Trt_B
MRPS18B	0.02441	-0.5023	0.661	0.58	1	HC_vs_MS.Trt_B
TMEM248	0.02441	0.37447	0.168	0.12	1	HC_vs_MS.Trt_B
ATP6VOC	0.02445	0.35483	0.213	0.16	1	HC_vs_MS.Trt_B
RAB11A	0.02452	-0.4974	0.626	0.56	1	HC_vs_MS.Trt_B
NOLC1	0.02456	0.37581	0.103	0.07	1	HC_vs_MS.Trt_B
NMI	0.0246	-0.5021	0.274	0.22	1	HC_vs_MS.Trt_B

ZNF33B	0.02462	0.37669	0.497	0.4	1	HC_vs_MS.Trt_B
LZTR1	0.02467	1.13482	0.248	0.2	1	HC_vs_MS.Trt_B
PHYH	0.02467	0.34679	0.165	0.12	1	HC_vs_MS.Trt_B
BRMS1	0.0247	0.49925	0.141	0.1	1	HC_vs_MS.Trt_B
TMA7	0.02473	-0.7578	0.516	0.53	1	HC_vs_MS.Trt_B
RADIL	0.02477	0.33252	0.281	0.23	1	HC_vs_MS.Trt_B
SSPO	0.02497	0.97647	0.123	0.08	1	HC_vs_MS.Trt_B
ZDHHC7	0.02501	0.72999	0.17	0.12	1	HC_vs_MS.Trt_B
FRMD8	0.02503	0.31984	0.565	0.5	1	HC_vs_MS.Trt_B
POTEI	0.02504	0.3953	0.19	0.14	1	HC_vs_MS.Trt_B
APEX2	0.02514	0.43452	0.307	0.25	1	HC_vs_MS.Trt_B
MYO9B	0.02517	0.46657	0.22	0.17	1	HC_vs_MS.Trt_B
NUP54	0.02523	0.39952	0.18	0.13	1	HC_vs_MS.Trt_B
VPS41	0.02527	0.59557	0.452	0.41	1	HC_vs_MS.Trt_B
DNAH6	0.02532	0.49916	0.168	0.12	1	HC_vs_MS.Trt_B
RASGRF2	0.02534	0.40889	0.165	0.12	1	HC_vs_MS.Trt_B
USF1	0.02536	0.49659	0.146	0.1	1	HC_vs_MS.Trt_B
YWHAH	0.02544	-0.279	0.125	0.08	1	HC_vs_MS.Trt_B
SELENBP1	0.02545	0.32789	0.275	0.22	1	HC_vs_MS.Trt_B
ING1	0.02548	-0.6119	0.543	0.5	1	HC_vs_MS.Trt_B
ESD	0.02552	0.5191	0.114	0.08	1	HC_vs_MS.Trt_B
AMMECR1	0.02552	0.62654	0.132	0.09	1	HC_vs_MS.Trt_B
ARFGAP1	0.02562	0.47301	0.133	0.09	1	HC_vs_MS.Trt_B
SEMA4B	0.02566	0.27665	0.397	0.34	1	HC_vs_MS.Trt_B
WDR70	0.02571	0.36792	0.264	0.21	1	HC_vs_MS.Trt_B
SNTG2	0.02573	0.25057	0.219	0.17	1	HC_vs_MS.Trt_B
SOCS7	0.02575	0.641	0.349	0.29	1	HC_vs_MS.Trt_B
STX3	0.02577	0.35127	0.377	0.34	1	HC_vs_MS.Trt_B
PSMB4	0.02592	-0.4985	0.278	0.34	1	HC_vs_MS.Trt_B
STON2	0.02595	0.45461	0.258	0.21	1	HC_vs_MS.Trt_B
TXNL1	0.02601	0.36301	0.629	0.56	1	HC_vs_MS.Trt_B
CDK7	0.02606	0.71245	0.135	0.09	1	HC_vs_MS.Trt_B
C8orf59	0.02607	-0.2916	0.348	0.28	1	HC_vs_MS.Trt_B
CLDN15	0.02608	0.45641	0.394	0.33	1	HC_vs_MS.Trt_B
ESF1	0.02609	0.2941	0.136	0.09	1	HC_vs_MS.Trt_B
TRIP12	0.0262	-0.3726	0.458	0.38	1	HC_vs_MS.Trt_B
RELA	0.02624	0.25746	0.154	0.11	1	HC_vs_MS.Trt_B
RALGPS1	0.02629	-0.5042	0.38	0.3	1	HC_vs_MS.Trt_B
ZSCAN12	0.02635	0.31902	0.42	0.36	1	HC_vs_MS.Trt_B
RP4-635E18	0.02641	-0.8235	0.212	0.26	1	HC_vs_MS.Trt_B

NR1D1	0.02641	0.56473	0.11	0.07	1	HC_vs_MS.Trt_B
SMC4	0.02644	-0.61	0.449	0.36	1	HC_vs_MS.Trt_B
NDUFS8	0.02667	-0.2554	0.767	0.74	1	HC_vs_MS.Trt_B
ARMC6	0.02667	-0.4046	0.303	0.24	1	HC_vs_MS.Trt_B
SBF1	0.02668	0.3404	0.2	0.15	1	HC_vs_MS.Trt_B
JAKMIP2	0.02668	0.39469	0.352	0.31	1	HC_vs_MS.Trt_B
FOXRED1	0.02669	0.5495	0.507	0.43	1	HC_vs_MS.Trt_B
SLC12A4	0.02673	1.30485	0.19	0.14	1	HC_vs_MS.Trt_B
TFRC	0.02674	-0.2899	0.574	0.49	1	HC_vs_MS.Trt_B
BRD3	0.02681	-0.2791	0.168	0.12	1	HC_vs_MS.Trt_B
DTNB	0.0269	0.61574	0.154	0.11	1	HC_vs_MS.Trt_B
TRERF1	0.02692	0.28606	0.183	0.14	1	HC_vs_MS.Trt_B
DIP2B	0.02698	0.33294	0.359	0.31	1	HC_vs_MS.Trt_B
RLF	0.02743	0.27804	0.168	0.12	1	HC_vs_MS.Trt_B
TRIM58	0.02746	0.3712	0.564	0.51	1	HC_vs_MS.Trt_B
UNC13A	0.02753	0.49648	0.261	0.21	1	HC_vs_MS.Trt_B
LPAR2	0.02761	0.65836	0.11	0.07	1	HC_vs_MS.Trt_B
MAPK8	0.02775	-0.3479	0.393	0.33	1	HC_vs_MS.Trt_B
SLC6A16	0.02775	0.71392	0.243	0.19	1	HC_vs_MS.Trt_B
ZNF527	0.02785	0.25446	0.933	0.87	1	HC_vs_MS.Trt_B
LIG3	0.02789	1.13738	0.33	0.28	1	HC_vs_MS.Trt_B
ZNF664	0.02791	-0.2881	0.233	0.18	1	HC_vs_MS.Trt_B
EML3	0.02792	0.32084	0.216	0.16	1	HC_vs_MS.Trt_B
ZNF134	0.02793	-0.3984	0.174	0.13	1	HC_vs_MS.Trt_B
COX5B	0.02796	-0.6009	0.759	0.68	1	HC_vs_MS.Trt_B
PRKG2	0.0281	0.26922	0.391	0.31	1	HC_vs_MS.Trt_B
DNA2	0.02816	0.29385	0.217	0.17	1	HC_vs_MS.Trt_B
HACL1	0.02829	0.66844	0.125	0.09	1	HC_vs_MS.Trt_B
IGF1R	0.02831	0.50661	0.354	0.3	1	HC_vs_MS.Trt_B
RAB17	0.02833	0.25411	0.23	0.18	1	HC_vs_MS.Trt_B
DUSP10	0.02856	0.67168	0.141	0.1	1	HC_vs_MS.Trt_B
PSIP1	0.0286	-0.2532	0.758	0.69	1	HC_vs_MS.Trt_B
RP4-583P15	0.02865	-0.2562	0.283	0.22	1	HC_vs_MS.Trt_B
LRRC8B	0.02888	0.36803	0.409	0.35	1	HC_vs_MS.Trt_B
MCMDC2	0.02904	-0.4727	0.419	0.36	1	HC_vs_MS.Trt_B
PREB	0.02915	0.78699	0.116	0.08	1	HC_vs_MS.Trt_B
ZNF221	0.0292	0.36516	0.245	0.19	1	HC_vs_MS.Trt_B
RWDD2A	0.02922	0.44723	0.416	0.35	1	HC_vs_MS.Trt_B
USP36	0.02933	0.64322	0.239	0.19	1	HC_vs_MS.Trt_B
B4GALT3	0.02943	0.46502	0.157	0.11	1	HC_vs_MS.Trt_B

NCAPG2	0.02944	-2.4333	0.159	0.2	1	HC_vs_MS.Trt_B
KNSTRN	0.02947	0.37708	0.475	0.41	1	HC_vs_MS.Trt_B
PIK3CG	0.0295	0.47057	0.238	0.18	1	HC_vs_MS.Trt_B
TONSL	0.02962	0.33235	0.597	0.54	1	HC_vs_MS.Trt_B
DUS3L	0.02991	0.25109	0.123	0.08	1	HC_vs_MS.Trt_B
SETDB1	0.02993	0.33983	0.517	0.47	1	HC_vs_MS.Trt_B
ZFHX3	0.02994	0.85062	0.143	0.1	1	HC_vs_MS.Trt_B
L3HYPDH	0.02996	-0.3225	0.194	0.14	1	HC_vs_MS.Trt_B
NUMBL	0.02999	0.43932	0.51	0.47	1	HC_vs_MS.Trt_B
FBXO6	0.03027	0.42894	0.617	0.55	1	HC_vs_MS.Trt_B
RAP1B	0.0304	-0.6194	0.993	0.96	1	HC_vs_MS.Trt_B
CALD1	0.03046	0.27115	0.191	0.14	1	HC_vs_MS.Trt_B
MMRN2	0.03064	-0.8282	0.152	0.11	1	HC_vs_MS.Trt_B
EXD3	0.03096	0.31487	0.43	0.37	1	HC_vs_MS.Trt_B
GMFG	0.03132	-0.3482	0.772	0.63	1	HC_vs_MS.Trt_B
EPHA4	0.03151	-0.6652	0.184	0.13	1	HC_vs_MS.Trt_B
ZNF428	0.03164	0.25067	0.157	0.11	1	HC_vs_MS.Trt_B
DUSP3	0.03165	0.43088	0.732	0.72	1	HC_vs_MS.Trt_B
FASTKD5	0.03181	-0.5928	0.077	0.11	1	HC_vs_MS.Trt_B
HABP4	0.03184	-0.5442	0.104	0.07	1	HC_vs_MS.Trt_B
ZNF71	0.03207	0.47206	0.204	0.16	1	HC_vs_MS.Trt_B
SLC9A8	0.03214	0.41866	0.175	0.13	1	HC_vs_MS.Trt_B
SSFA2	0.03219	-0.2895	0.119	0.08	1	HC_vs_MS.Trt_B
FAM173B	0.0322	-0.6204	0.172	0.13	1	HC_vs_MS.Trt_B
LRRC1	0.0323	0.52219	0.258	0.21	1	HC_vs_MS.Trt_B
SORD	0.0323	0.73014	0.142	0.1	1	HC_vs_MS.Trt_B
TXNDC12	0.03246	0.47457	0.152	0.11	1	HC_vs_MS.Trt_B
ZNF700	0.03254	0.78726	0.148	0.11	1	HC_vs_MS.Trt_B
ZNF749	0.03264	0.96865	0.38	0.34	1	HC_vs_MS.Trt_B
PRKCZ	0.03268	0.88696	0.239	0.19	1	HC_vs_MS.Trt_B
ZNF736	0.03285	0.71729	0.47	0.42	1	HC_vs_MS.Trt_B
ZNF432	0.03291	0.83517	0.552	0.48	1	HC_vs_MS.Trt_B
ZNF721	0.03292	0.59931	0.296	0.25	1	HC_vs_MS.Trt_B
ZMYM2	0.03294	-0.3575	0.351	0.29	1	HC_vs_MS.Trt_B
PPM1L	0.03294	0.98791	0.236	0.19	1	HC_vs_MS.Trt_B
FAM210A	0.03304	-0.361	0.257	0.21	1	HC_vs_MS.Trt_B
KCTD10	0.03322	0.45777	0.371	0.31	1	HC_vs_MS.Trt_B
PRRG1	0.03323	0.38765	0.174	0.13	1	HC_vs_MS.Trt_B
MRPL49	0.03326	-0.4199	0.455	0.39	1	HC_vs_MS.Trt_B
AKR1B1	0.03336	-0.3627	0.733	0.67	1	HC_vs_MS.Trt_B



ZNF354A	0.03344	0.36918	0.18	0.14	1	HC_vs_MS.Trt_B
CHST11	0.03349	0.29976	0.152	0.11	1	HC_vs_MS.Trt_B
FAM214A	0.03352	-0.3581	0.193	0.14	1	HC_vs_MS.Trt_B
WRN	0.03363	0.62906	0.432	0.38	1	HC_vs_MS.Trt_B
LPAR6	0.03363	-0.2583	0.396	0.34	1	HC_vs_MS.Trt_B
UBA5	0.03365	-0.4735	0.142	0.1	1	HC_vs_MS.Trt_B
EEF1E1	0.03384	-0.3478	0.52	0.47	1	HC_vs_MS.Trt_B
DNPEP	0.03387	0.56374	0.448	0.4	1	HC_vs_MS.Trt_B
CMC1	0.03399	-0.5128	0.161	0.12	1	HC_vs_MS.Trt_B
MAT2A	0.03409	0.58647	0.126	0.09	1	HC_vs_MS.Trt_B
ZNF552	0.03421	-0.6077	0.399	0.33	1	HC_vs_MS.Trt_B
PLD6	0.03442	0.45716	0.435	0.38	1	HC_vs_MS.Trt_B
SIGMAR1	0.03448	0.36281	0.184	0.14	1	HC_vs_MS.Trt_B
LRP1	0.03466	0.33152	0.216	0.17	1	HC_vs_MS.Trt_B
PAM16	0.03482	0.59656	0.181	0.14	1	HC_vs_MS.Trt_B
USP30	0.03482	-0.4813	0.267	0.21	1	HC_vs_MS.Trt_B
DIABLO	0.03485	-0.3481	0.674	0.59	1	HC_vs_MS.Trt_B
HSPH1	0.03494	0.57719	0.165	0.12	1	HC_vs_MS.Trt_B
ZNF517	0.035	0.56923	0.375	0.33	1	HC_vs_MS.Trt_B
ANO8	0.03513	0.46771	0.133	0.09	1	HC_vs_MS.Trt_B
CCDC138	0.03514	-0.5912	0.157	0.11	1	HC_vs_MS.Trt_B
STXBP2	0.03522	0.36115	0.252	0.21	1	HC_vs_MS.Trt_B
EFR3A	0.03528	0.78519	0.135	0.1	1	HC_vs_MS.Trt_B
DDX60	0.03537	0.33893	0.123	0.09	1	HC_vs_MS.Trt_B
ZNF740	0.0354	0.36028	0.142	0.1	1	HC_vs_MS.Trt_B
AKAP2	0.03555	0.32875	0.254	0.2	1	HC_vs_MS.Trt_B
FAM149B1	0.03558	-0.7496	0.178	0.13	1	HC_vs_MS.Trt_B
RP11-327P2	0.03565	0.40194	0.116	0.08	1	HC_vs_MS.Trt_B
KIF27	0.03568	-0.6177	0.303	0.24	1	HC_vs_MS.Trt_B
RRN3	0.03599	0.4858	0.245	0.2	1	HC_vs_MS.Trt_B
PGS1	0.0361	0.34112	0.57	0.51	1	HC_vs_MS.Trt_B
STARD5	0.03611	0.34799	0.114	0.08	1	HC_vs_MS.Trt_B
DLEC1	0.03615	0.43166	0.429	0.38	1	HC_vs_MS.Trt_B
TAF4	0.03629	0.2633	0.123	0.08	1	HC_vs_MS.Trt_B
SCYL2	0.03629	0.80789	0.11	0.07	1	HC_vs_MS.Trt_B
CASP4	0.0365	-0.5199	0.336	0.26	1	HC_vs_MS.Trt_B
ANP32A	0.03653	0.33395	0.274	0.23	1	HC_vs_MS.Trt_B
TESMIN	0.03672	0.30982	0.629	0.55	1	HC_vs_MS.Trt_B
STX10	0.03685	0.58188	0.12	0.08	1	HC_vs_MS.Trt_B
NDUFAF1	0.03701	-0.2512	0.365	0.31	1	HC_vs_MS.Trt_B

SUPT16H	0.03705	-0.2714	0.678	0.63	1	HC_vs_MS.Trt_B
EDA	0.03706	0.62411	0.33	0.27	1	HC_vs_MS.Trt_B
FO538757.1	0.03717	0.54259	0.162	0.12	1	HC_vs_MS.Trt_B
TAPBPL	0.03725	0.26228	0.2	0.16	1	HC_vs_MS.Trt_B
PCGF3	0.03729	0.42739	0.229	0.18	1	HC_vs_MS.Trt_B
KCNMB3	0.03735	-0.6132	0.367	0.3	1	HC_vs_MS.Trt_B
MYOZ3	0.03744	0.5592	0.243	0.2	1	HC_vs_MS.Trt_B
EPB41L2	0.03753	0.53034	0.112	0.07	1	HC_vs_MS.Trt_B
RGS1	0.03769	0.55768	0.129	0.09	1	HC_vs_MS.Trt_B
ZNF812P	0.03782	0.45242	0.109	0.07	1	HC_vs_MS.Trt_B
MGLL	0.03803	0.30693	0.319	0.27	1	HC_vs_MS.Trt_B
BANK1	0.03858	-0.8276	0.168	0.12	1	HC_vs_MS.Trt_B
ARFIP2	0.03874	0.6607	0.432	0.37	1	HC_vs_MS.Trt_B
GMDS	0.03883	0.28293	0.112	0.08	1	HC_vs_MS.Trt_B
ST3GAL5	0.03932	-0.8643	0.284	0.23	1	HC_vs_MS.Trt_B
CAMLG	0.03944	-0.4838	0.442	0.35	1	HC_vs_MS.Trt_B
PTPN23	0.03959	0.43192	0.142	0.1	1	HC_vs_MS.Trt_B
POU2F1	0.03995	0.40323	0.419	0.35	1	HC_vs_MS.Trt_B
ZBTB4	0.03999	0.57077	0.126	0.09	1	HC_vs_MS.Trt_B
EIF4E2	0.03999	-0.5271	0.322	0.26	1	HC_vs_MS.Trt_B
PNPLA1	0.04029	0.37374	0.309	0.25	1	HC_vs_MS.Trt_B
PSMC4	0.04036	-0.4518	0.457	0.39	1	HC_vs_MS.Trt_B
C1orf159	0.04059	0.57172	0.114	0.08	1	HC_vs_MS.Trt_B
MED1	0.0408	0.86476	0.307	0.27	1	HC_vs_MS.Trt_B
SMAD5	0.04083	0.3954	0.441	0.37	1	HC_vs_MS.Trt_B
RIPK2	0.04091	1.30303	0.161	0.12	1	HC_vs_MS.Trt_B
NKIRAS1	0.04092	1.20775	0.239	0.2	1	HC_vs_MS.Trt_B
ZFP2	0.04109	1.0484	0.19	0.14	1	HC_vs_MS.Trt_B
SH2B3	0.04109	0.44301	0.142	0.1	1	HC_vs_MS.Trt_B
C21orf2	0.04147	0.31664	0.123	0.09	1	HC_vs_MS.Trt_B
DPP8	0.04148	0.28514	0.357	0.29	1	HC_vs_MS.Trt_B
RNF138	0.04199	0.30963	0.145	0.11	1	HC_vs_MS.Trt_B
EML5	0.0421	1.23494	0.223	0.17	1	HC_vs_MS.Trt_B
LILRB3	0.04211	0.77811	0.123	0.09	1	HC_vs_MS.Trt_B
IDH1	0.04211	0.48252	0.191	0.15	1	HC_vs_MS.Trt_B
DSTN	0.04212	-0.7894	0.494	0.43	1	HC_vs_MS.Trt_B
TNFRSF13C	0.04225	-0.2843	0.62	0.54	1	HC_vs_MS.Trt_B
HIGD2A	0.04249	-0.2542	0.239	0.19	1	HC_vs_MS.Trt_B
SH2D3C	0.0425	0.45488	0.2	0.16	1	HC_vs_MS.Trt_B
RBM10	0.04255	0.39261	0.175	0.13	1	HC_vs_MS.Trt_B

SPRYD3	0.04261	0.41661	0.136	0.1	1	HC_vs_MS.Trt_B
DFNA5	0.04263	0.38125	0.12	0.08	1	HC_vs_MS.Trt_B
TIRAP	0.04268	1.17605	0.401	0.36	1	HC_vs_MS.Trt_B
C3orf49	0.04277	-0.3331	0.31	0.26	1	HC_vs_MS.Trt_B
CCDC152	0.04281	0.73813	0.197	0.16	1	HC_vs_MS.Trt_B
NCDN	0.04291	0.46882	0.216	0.17	1	HC_vs_MS.Trt_B
ABC13-4748	0.04296	0.30299	0.117	0.08	1	HC_vs_MS.Trt_B
THEM4	0.04302	-0.3175	0.796	0.72	1	HC_vs_MS.Trt_B
EIF2S3	0.04304	-0.3223	0.954	0.94	1	HC_vs_MS.Trt_B
PTBP1	0.04307	0.42863	0.209	0.16	1	HC_vs_MS.Trt_B
TMEM35B	0.04311	-0.307	0.152	0.11	1	HC_vs_MS.Trt_B
DGCR8	0.04327	1.24055	0.116	0.08	1	HC_vs_MS.Trt_B
USP31	0.04328	-0.3509	0.135	0.09	1	HC_vs_MS.Trt_B
ZNF292	0.04343	-0.3509	0.814	0.73	1	HC_vs_MS.Trt_B
MRE11A	0.04356	-0.6934	0.675	0.6	1	HC_vs_MS.Trt_B
PRSS53	0.04363	0.33844	0.162	0.12	1	HC_vs_MS.Trt_B
INPP5F	0.04393	0.54646	0.307	0.25	1	HC_vs_MS.Trt_B
NAF1	0.04404	0.40253	0.409	0.33	1	HC_vs_MS.Trt_B
MBD6	0.04406	0.39327	0.199	0.15	1	HC_vs_MS.Trt_B
MRPL57	0.04411	-0.5535	0.672	0.63	1	HC_vs_MS.Trt_B
RAB14	0.04417	0.44897	0.201	0.16	1	HC_vs_MS.Trt_B
RASSF3	0.04419	-0.6053	0.642	0.65	1	HC_vs_MS.Trt_B
MIB2	0.04436	1.14817	0.177	0.14	1	HC_vs_MS.Trt_B
TTC3	0.04437	-0.2875	0.7	0.65	1	HC_vs_MS.Trt_B
BRD7	0.04446	-0.9518	0.522	0.45	1	HC_vs_MS.Trt_B
KHDRBS1	0.04462	0.28673	0.183	0.14	1	HC_vs_MS.Trt_B
RGP1	0.04467	0.58326	0.123	0.09	1	HC_vs_MS.Trt_B
TRIM61	0.04471	0.39601	0.214	0.17	1	HC_vs_MS.Trt_B
PDCD4	0.04494	-0.536	0.6	0.5	1	HC_vs_MS.Trt_B
NT5DC1	0.04546	-0.3705	0.194	0.15	1	HC_vs_MS.Trt_B
SEC61A1	0.04558	0.26418	0.299	0.25	1	HC_vs_MS.Trt_B
PITRM1	0.04561	0.27622	0.172	0.13	1	HC_vs_MS.Trt_B
FGF23	0.04583	1.65287	0.828	0.79	1	HC_vs_MS.Trt_B
ARHGAP21	0.04604	0.73273	0.296	0.25	1	HC_vs_MS.Trt_B
PTOV1	0.04612	0.49372	0.133	0.1	1	HC_vs_MS.Trt_B
IKBKAP	0.04614	0.50274	0.216	0.17	1	HC_vs_MS.Trt_B
ITCH	0.04651	-0.2705	0.47	0.41	1	HC_vs_MS.Trt_B
BDH2	0.04672	0.42907	0.183	0.14	1	HC_vs_MS.Trt_B
GOLGB1	0.04672	-0.4689	0.509	0.44	1	HC_vs_MS.Trt_B
UBASH3B	0.04691	-0.2586	0.38	0.33	1	HC_vs_MS.Trt_B

DENND6B	0.04692	0.28166	0.259	0.22	1	HC_vs_MS.Trt_B
UTP18	0.04712	0.45196	0.157	0.12	1	HC_vs_MS.Trt_B
ZDHHC2	0.04724	-0.5517	0.106	0.14	1	HC_vs_MS.Trt_B
SOS1	0.04738	0.64713	0.157	0.12	1	HC_vs_MS.Trt_B
DCUN1D5	0.04765	0.57306	0.425	0.37	1	HC_vs_MS.Trt_B
CMTR1	0.04778	0.8117	0.159	0.12	1	HC_vs_MS.Trt_B
ITGB5	0.04787	0.33158	0.328	0.28	1	HC_vs_MS.Trt_B
ZNF267	0.04815	-0.3242	0.117	0.08	1	HC_vs_MS.Trt_B
YPEL2	0.04819	0.28728	0.186	0.14	1	HC_vs_MS.Trt_B
SBNO2	0.04827	0.56789	0.175	0.13	1	HC_vs_MS.Trt_B
IL15	0.04886	0.26806	0.357	0.31	1	HC_vs_MS.Trt_B
ZNF669	0.04896	0.77352	0.514	0.47	1	HC_vs_MS.Trt_B
EMC8	0.04904	0.92553	0.132	0.1	1	HC_vs_MS.Trt_B
MFSD4A	0.0491	-0.8292	0.475	0.42	1	HC_vs_MS.Trt_B
HDAC10	0.04917	0.62339	0.123	0.09	1	HC_vs_MS.Trt_B
ANXA2R	0.04944	-0.3765	0.178	0.13	1	HC_vs_MS.Trt_B
HPCAL1	0.04958	-0.4192	0.357	0.31	1	HC_vs_MS.Trt_B
YDJC	0.04973	-0.3802	0.116	0.08	1	HC_vs_MS.Trt_B
KDM3B	0.04982	0.45549	0.381	0.32	1	HC_vs_MS.Trt_B
FBXO21	0.05003	0.46214	0.152	0.11	1	HC_vs_MS.Trt_B
RIT1	0.05009	-0.5935	0.388	0.33	1	HC_vs_MS.Trt_B
CIPC	0.05011	-0.5803	0.37	0.32	1	HC_vs_MS.Trt_B
APPL1	0.05014	-0.29	0.414	0.36	1	HC_vs_MS.Trt_B
NEPRO	0.05015	0.47156	0.194	0.15	1	HC_vs_MS.Trt_B
RAB43	0.05022	-0.2883	0.204	0.16	1	HC_vs_MS.Trt_B
VAV3	0.05025	-0.5259	0.551	0.49	1	HC_vs_MS.Trt_B
LSM6	0.05048	0.46896	0.13	0.09	1	HC_vs_MS.Trt_B
DHX33	0.05051	0.60472	0.317	0.27	1	HC_vs_MS.Trt_B
SAP30BP	0.05058	0.31309	0.206	0.16	1	HC_vs_MS.Trt_B
ZNF417	0.05062	0.5587	0.693	0.65	1	HC_vs_MS.Trt_B
TMPRSS3	0.05108	-0.3294	0.342	0.29	1	HC_vs_MS.Trt_B
OTUD4	0.05113	-0.2543	0.597	0.56	1	HC_vs_MS.Trt_B
RETSAT	0.05114	-0.5747	0.122	0.09	1	HC_vs_MS.Trt_B
ERLEC1	0.05117	-0.9591	0.358	0.29	1	HC_vs_MS.Trt_B
MAATS1	0.05136	0.52013	0.2	0.16	1	HC_vs_MS.Trt_B
PPCS	0.05165	-0.6309	0.322	0.26	1	HC_vs_MS.Trt_B
FRS3	0.05165	-1.2449	0.32	0.27	1	HC_vs_MS.Trt_B
SHFM1	0.05201	-0.333	0.881	0.85	1	HC_vs_MS.Trt_B
FAM200B	0.05229	-0.2697	0.38	0.31	1	HC_vs_MS.Trt_B
DBNDD1	0.05239	0.57574	0.165	0.12	1	HC_vs_MS.Trt_B

TEKT2	0.05258	0.49733	0.117	0.08	1	HC_vs_MS.Trt_B
STK39	0.05258	-0.402	0.103	0.07	1	HC_vs_MS.Trt_B
SAYSD1	0.05276	-0.6587	0.17	0.13	1	HC_vs_MS.Trt_B
BTN3A3	0.05281	0.27421	0.223	0.18	1	HC_vs_MS.Trt_B
GDI2	0.05301	-0.2903	0.386	0.32	1	HC_vs_MS.Trt_B
PIGW	0.05318	1.28471	0.459	0.41	1	HC_vs_MS.Trt_B
INVS	0.05339	0.51133	0.135	0.1	1	HC_vs_MS.Trt_B
ADTRP	0.05346	-0.3999	0.323	0.27	1	HC_vs_MS.Trt_B
ARHGAP11B	0.05346	0.39279	0.204	0.16	1	HC_vs_MS.Trt_B
PIPOX	0.0535	-0.2624	0.507	0.45	1	HC_vs_MS.Trt_B
MRPS22	0.05351	0.29535	0.47	0.43	1	HC_vs_MS.Trt_B
ACSL4	0.05358	0.56524	0.145	0.11	1	HC_vs_MS.Trt_B
MLF1	0.05359	-0.526	0.293	0.25	1	HC_vs_MS.Trt_B
FAM102B	0.05362	0.57747	0.171	0.13	1	HC_vs_MS.Trt_B
SEC22B	0.05388	-0.4151	0.801	0.74	1	HC_vs_MS.Trt_B
ELAC1	0.05412	0.49159	0.439	0.39	1	HC_vs_MS.Trt_B
COG3	0.05416	0.4024	0.168	0.13	1	HC_vs_MS.Trt_B
BAK1	0.05426	0.89255	0.103	0.07	1	HC_vs_MS.Trt_B
API5	0.05439	-0.2858	0.235	0.19	1	HC_vs_MS.Trt_B
COASY	0.05455	0.83221	0.404	0.36	1	HC_vs_MS.Trt_B
DLD	0.05456	-0.716	0.141	0.1	1	HC_vs_MS.Trt_B
GPR37L1	0.05474	0.51681	0.32	0.27	1	HC_vs_MS.Trt_B
ACTG2	0.05502	0.75663	0.241	0.2	1	HC_vs_MS.Trt_B
LPIN2	0.0552	-0.3948	0.125	0.09	1	HC_vs_MS.Trt_B
NIFK	0.05534	-0.5381	0.522	0.45	1	HC_vs_MS.Trt_B
IL13RA1	0.05544	-0.3233	0.239	0.2	1	HC_vs_MS.Trt_B
AP2A1	0.05557	0.82966	0.697	0.63	1	HC_vs_MS.Trt_B
RNF167	0.05572	0.27381	0.27	0.22	1	HC_vs_MS.Trt_B
SRM	0.05579	-0.4427	0.123	0.09	1	HC_vs_MS.Trt_B
PAN3	0.05591	-0.9229	0.757	0.77	1	HC_vs_MS.Trt_B
GRTP1	0.05598	0.50633	0.506	0.46	1	HC_vs_MS.Trt_B
PEX11G	0.05605	0.35899	0.126	0.09	1	HC_vs_MS.Trt_B
C6orf106	0.05642	-0.3618	0.126	0.09	1	HC_vs_MS.Trt_B
SIPA1	0.05652	0.46231	0.533	0.48	1	HC_vs_MS.Trt_B
MAPRE1	0.05675	0.27418	0.155	0.12	1	HC_vs_MS.Trt_B
NRROS	0.05679	1.11379	0.101	0.07	1	HC_vs_MS.Trt_B
COA4	0.05703	-0.4446	0.275	0.22	1	HC_vs_MS.Trt_B
PHACTR2	0.05727	-0.6834	0.481	0.41	1	HC_vs_MS.Trt_B
RNF38	0.05732	0.38405	0.181	0.14	1	HC_vs_MS.Trt_B
ADCY9	0.05732	-0.6571	0.261	0.21	1	HC_vs_MS.Trt_B

MVB12B	0.05763	1.00989	0.109	0.08	1	HC_vs_MS.Trt_B
MTMR12	0.05787	0.43308	0.401	0.35	1	HC_vs_MS.Trt_B
DYNC1I2	0.05801	0.55478	0.174	0.14	1	HC_vs_MS.Trt_B
RAB35	0.05802	0.38204	0.116	0.08	1	HC_vs_MS.Trt_B
RBM42	0.05809	0.36097	0.172	0.13	1	HC_vs_MS.Trt_B
C20orf194	0.05809	-0.5137	0.225	0.18	1	HC_vs_MS.Trt_B
ZNF142	0.05828	0.29607	0.101	0.07	1	HC_vs_MS.Trt_B
TAF3	0.05829	0.28024	0.151	0.11	1	HC_vs_MS.Trt_B
NR2C2	0.05841	-0.3196	0.604	0.52	1	HC_vs_MS.Trt_B
CXCR6	0.05848	0.60089	0.128	0.09	1	HC_vs_MS.Trt_B
TAF12	0.05865	-0.2976	0.128	0.09	1	HC_vs_MS.Trt_B
CTD-2331H1	0.05888	0.7281	0.186	0.14	1	HC_vs_MS.Trt_B
ACP6	0.05893	0.26117	0.549	0.46	1	HC_vs_MS.Trt_B
TMEM259	0.05904	0.65393	0.113	0.08	1	HC_vs_MS.Trt_B
STAM	0.0592	-0.3632	0.371	0.31	1	HC_vs_MS.Trt_B
PFKP	0.05923	0.37211	0.259	0.22	1	HC_vs_MS.Trt_B
CTC-454I21.	0.0593	0.31761	0.199	0.16	1	HC_vs_MS.Trt_B
KNG1	0.05942	-0.7735	0.187	0.14	1	HC_vs_MS.Trt_B
LAMTOR4	0.05975	-0.3782	0.441	0.38	1	HC_vs_MS.Trt_B
ARPC2	0.05988	-0.4086	0.965	0.93	1	HC_vs_MS.Trt_B
SESN1	0.05995	0.3328	0.19	0.15	1	HC_vs_MS.Trt_B
KCTD9	0.06025	1.08646	0.183	0.15	1	HC_vs_MS.Trt_B
ACADM	0.06049	-0.2571	0.18	0.14	1	HC_vs_MS.Trt_B
TAOK2	0.06067	0.4681	0.103	0.07	1	HC_vs_MS.Trt_B
HPRT1	0.06105	0.47286	0.12	0.09	1	HC_vs_MS.Trt_B
SMARCA5	0.06109	-0.3169	0.328	0.27	1	HC_vs_MS.Trt_B
TP53I13	0.06121	0.38891	0.116	0.08	1	HC_vs_MS.Trt_B
ERMN	0.06156	-0.93	0.172	0.13	1	HC_vs_MS.Trt_B
MGAT5	0.06158	-0.4995	0.143	0.11	1	HC_vs_MS.Trt_B
SLC20A1	0.0618	0.7722	0.142	0.11	1	HC_vs_MS.Trt_B
ZNF341	0.06184	-0.7213	0.371	0.31	1	HC_vs_MS.Trt_B
FBXO3	0.06207	0.39094	0.291	0.25	1	HC_vs_MS.Trt_B
PRR29	0.06281	0.51089	0.171	0.14	1	HC_vs_MS.Trt_B
SULT1A3	0.06307	-0.3142	0.606	0.55	1	HC_vs_MS.Trt_B
NDUFAF7	0.06307	1.03714	0.37	0.33	1	HC_vs_MS.Trt_B
ZFP41	0.06345	-0.2767	0.104	0.07	1	HC_vs_MS.Trt_B
PSMC3	0.06348	-0.4728	0.103	0.14	1	HC_vs_MS.Trt_B
PDPR	0.06354	0.31514	0.364	0.31	1	HC_vs_MS.Trt_B
RABAC1	0.06391	-0.5195	0.17	0.21	1	HC_vs_MS.Trt_B
PPM1A	0.06402	0.59509	0.146	0.11	1	HC_vs_MS.Trt_B

SYTL2	0.06414	-0.275	0.736	0.74	1	HC_vs_MS.Trt_B
LRRC34	0.06466	-0.4222	0.559	0.5	1	HC_vs_MS.Trt_B
ARL1	0.06494	0.4096	0.346	0.29	1	HC_vs_MS.Trt_B
TPRKB	0.06498	-0.3403	0.468	0.4	1	HC_vs_MS.Trt_B
RBM3	0.06502	-0.3417	0.803	0.72	1	HC_vs_MS.Trt_B
TMPRSS7	0.06511	0.30136	0.257	0.21	1	HC_vs_MS.Trt_B
E2F4	0.06522	0.78727	0.122	0.09	1	HC_vs_MS.Trt_B
MOSPD1	0.0653	-0.7611	0.178	0.14	1	HC_vs_MS.Trt_B
SLC1A5	0.06534	0.80525	0.152	0.12	1	HC_vs_MS.Trt_B
IWS1	0.06545	0.35882	0.128	0.09	1	HC_vs_MS.Trt_B
SRPK1	0.06555	-0.5566	0.132	0.17	1	HC_vs_MS.Trt_B
ZSCAN20	0.06556	0.73378	0.238	0.2	1	HC_vs_MS.Trt_B
ANKRD13C	0.06573	0.2544	0.167	0.13	1	HC_vs_MS.Trt_B
ZNF254	0.06578	0.4972	0.397	0.35	1	HC_vs_MS.Trt_B
JMJD4	0.0658	0.72642	0.242	0.2	1	HC_vs_MS.Trt_B
S1PR4	0.06601	0.32546	0.161	0.12	1	HC_vs_MS.Trt_B
GGPS1	0.06617	-0.3915	0.378	0.32	1	HC_vs_MS.Trt_B
TCEAL3	0.06617	-0.2888	0.11	0.08	1	HC_vs_MS.Trt_B
FANCF	0.06631	0.46077	0.236	0.2	1	HC_vs_MS.Trt_B
TMEM97	0.06631	0.67391	0.23	0.19	1	HC_vs_MS.Trt_B
CYB5B	0.06677	-0.5205	0.449	0.39	1	HC_vs_MS.Trt_B
ZFP82	0.06684	0.46641	0.649	0.6	1	HC_vs_MS.Trt_B
MYL6B	0.06722	-0.6198	0.506	0.46	1	HC_vs_MS.Trt_B
GEMIN7	0.06748	-0.4006	0.213	0.17	1	HC_vs_MS.Trt_B
INPP4A	0.06788	0.34776	0.33	0.28	1	HC_vs_MS.Trt_B
KDM6A	0.06811	0.3647	0.242	0.2	1	HC_vs_MS.Trt_B
SMARCE1	0.06825	-0.7051	0.435	0.37	1	HC_vs_MS.Trt_B
NPIP9	0.06828	0.40683	0.114	0.08	1	HC_vs_MS.Trt_B
PPIG	0.06832	-0.3278	0.312	0.25	1	HC_vs_MS.Trt_B
SSNA1	0.06834	0.35805	0.129	0.1	1	HC_vs_MS.Trt_B
PLEKHG4B	0.06839	0.25671	0.386	0.33	1	HC_vs_MS.Trt_B
KIF13A	0.06855	-0.6172	0.27	0.22	1	HC_vs_MS.Trt_B
NCAPD2	0.06877	-0.4058	0.403	0.34	1	HC_vs_MS.Trt_B
ERCC6L	0.06891	1.51302	0.117	0.08	1	HC_vs_MS.Trt_B
MAZ	0.0692	0.32771	0.138	0.1	1	HC_vs_MS.Trt_B
DNAH9	0.0692	0.28273	0.436	0.39	1	HC_vs_MS.Trt_B
MYO7A	0.0693	0.26056	0.278	0.23	1	HC_vs_MS.Trt_B
IFNLR1	0.06973	0.35662	0.109	0.08	1	HC_vs_MS.Trt_B
MTSS1	0.0699	-0.9944	0.583	0.49	1	HC_vs_MS.Trt_B
ZNF316	0.07021	-0.5489	0.461	0.43	1	HC_vs_MS.Trt_B

GMMPR2	0.07034	0.42588	0.107	0.08	1	HC_vs_MS.Trt_B
LIPT2	0.07084	0.31141	0.123	0.09	1	HC_vs_MS.Trt_B
CRIPAK	0.07119	0.31691	0.21	0.17	1	HC_vs_MS.Trt_B
OST4	0.0719	-0.3081	0.388	0.32	1	HC_vs_MS.Trt_B
SYNGAP1	0.07237	0.49779	0.136	0.1	1	HC_vs_MS.Trt_B
CCR6	0.07262	-0.7673	0.307	0.26	1	HC_vs_MS.Trt_B
MFSD11	0.07277	-0.3004	0.429	0.38	1	HC_vs_MS.Trt_B
AXIN1	0.07302	-0.5361	0.107	0.07	1	HC_vs_MS.Trt_B
CPEB4	0.07324	1.0726	0.116	0.09	1	HC_vs_MS.Trt_B
FARSA	0.07337	0.29218	0.125	0.09	1	HC_vs_MS.Trt_B
CHMP2A	0.0738	0.3976	0.106	0.08	1	HC_vs_MS.Trt_B
EIF3E	0.07416	-0.4906	0.539	0.46	1	HC_vs_MS.Trt_B
MAML1	0.07423	0.44527	0.13	0.1	1	HC_vs_MS.Trt_B
GPD1L	0.07435	-0.7851	0.112	0.08	1	HC_vs_MS.Trt_B
TMEM87B	0.07443	0.68005	0.109	0.08	1	HC_vs_MS.Trt_B
EPHX1	0.07517	-0.3085	0.107	0.07	1	HC_vs_MS.Trt_B
ZNF76	0.07525	0.5702	0.143	0.11	1	HC_vs_MS.Trt_B
PSMG4	0.07555	-0.2869	0.728	0.69	1	HC_vs_MS.Trt_B
HNRNPAB	0.07589	0.61944	0.128	0.1	1	HC_vs_MS.Trt_B
DNAJC28	0.07595	0.46129	0.374	0.33	1	HC_vs_MS.Trt_B
IARS2	0.07643	0.46963	0.117	0.09	1	HC_vs_MS.Trt_B
TP53BP2	0.0766	0.56001	0.135	0.1	1	HC_vs_MS.Trt_B
HID1	0.07662	-1.039	0.136	0.1	1	HC_vs_MS.Trt_B
MCEE	0.07668	-0.4172	0.129	0.1	1	HC_vs_MS.Trt_B
SLFN11	0.07703	0.67684	0.251	0.21	1	HC_vs_MS.Trt_B
C19orf12	0.07727	0.62956	0.335	0.31	1	HC_vs_MS.Trt_B
ZNF460	0.07742	0.75459	0.174	0.14	1	HC_vs_MS.Trt_B
CHCHD3	0.07758	0.25961	0.148	0.11	1	HC_vs_MS.Trt_B
TMEM140	0.07828	0.64357	0.178	0.14	1	HC_vs_MS.Trt_B
CTD-2192J10	0.07872	-1.1554	0.133	0.17	1	HC_vs_MS.Trt_B
ANKRD23	0.07885	-0.265	0.116	0.08	1	HC_vs_MS.Trt_B
MCU	0.07885	-0.4971	0.246	0.2	1	HC_vs_MS.Trt_B
FNIP2	0.07892	0.28808	0.296	0.25	1	HC_vs_MS.Trt_B
CCNT1	0.07901	0.3584	0.116	0.09	1	HC_vs_MS.Trt_B
TDRD3	0.07965	-0.3825	0.519	0.47	1	HC_vs_MS.Trt_B
CGRRF1	0.07966	-0.7075	0.257	0.22	1	HC_vs_MS.Trt_B
SH3BGRL	0.07966	-0.2543	0.328	0.27	1	HC_vs_MS.Trt_B
ITGB1BP1	0.07985	0.48835	0.141	0.11	1	HC_vs_MS.Trt_B
CNIH1	0.08018	-0.5197	0.132	0.1	1	HC_vs_MS.Trt_B
CASZ1	0.08036	0.56168	0.193	0.16	1	HC_vs_MS.Trt_B



CEP162	0.08045	-0.7529	0.138	0.1	1	HC_vs_MS.Trt_B
LLGL1	0.08048	1.06291	0.258	0.21	1	HC_vs_MS.Trt_B
AASDHPPT	0.08075	0.42903	0.123	0.09	1	HC_vs_MS.Trt_B
ARID2	0.08081	-0.3308	0.688	0.61	1	HC_vs_MS.Trt_B
HINT3	0.08118	0.2821	0.296	0.25	1	HC_vs_MS.Trt_B
BCDIN3D	0.08121	0.40394	0.316	0.28	1	HC_vs_MS.Trt_B
ATXN7L3B	0.08138	0.47396	0.162	0.13	1	HC_vs_MS.Trt_B
FAM32A	0.08202	-0.3189	0.436	0.38	1	HC_vs_MS.Trt_B
PFKFB2	0.08229	0.36	0.2	0.16	1	HC_vs_MS.Trt_B
SLC25A3	0.08261	-0.3866	0.929	0.83	1	HC_vs_MS.Trt_B
UBALD2	0.08268	-0.5164	0.116	0.08	1	HC_vs_MS.Trt_B
OASL	0.08273	0.35717	0.177	0.14	1	HC_vs_MS.Trt_B
SLC9A1	0.08282	0.74463	0.204	0.17	1	HC_vs_MS.Trt_B
SRP54	0.08289	-0.4394	0.168	0.13	1	HC_vs_MS.Trt_B
C14orf1	0.08291	-0.6905	0.259	0.21	1	HC_vs_MS.Trt_B
LRRC8D	0.08299	-0.3508	0.148	0.11	1	HC_vs_MS.Trt_B
BABAM1	0.08341	-0.2614	0.607	0.54	1	HC_vs_MS.Trt_B
ABCB8	0.08372	0.35678	0.533	0.51	1	HC_vs_MS.Trt_B
RP11-793H1	0.08375	0.31684	0.257	0.22	1	HC_vs_MS.Trt_B
TM9SF1	0.08467	0.3172	0.232	0.19	1	HC_vs_MS.Trt_B
DNAJC19	0.08506	-0.2756	0.228	0.19	1	HC_vs_MS.Trt_B
AHRR	0.08538	-0.4809	0.113	0.08	1	HC_vs_MS.Trt_B
MRPL40	0.08567	-0.268	0.394	0.34	1	HC_vs_MS.Trt_B
GANAB	0.08587	0.56108	0.43	0.41	1	HC_vs_MS.Trt_B
DCTN3	0.08623	-0.591	0.361	0.31	1	HC_vs_MS.Trt_B
CC2D2B	0.08646	0.48123	0.125	0.09	1	HC_vs_MS.Trt_B
MKRN2OS	0.08652	0.32072	0.187	0.15	1	HC_vs_MS.Trt_B
ENPP3	0.08658	0.38551	0.13	0.1	1	HC_vs_MS.Trt_B
STT3A	0.08662	-0.4667	0.591	0.52	1	HC_vs_MS.Trt_B
ACVR2A	0.08669	-0.5049	0.225	0.18	1	HC_vs_MS.Trt_B
BCR	0.08696	-0.7568	0.261	0.22	1	HC_vs_MS.Trt_B
PAQR7	0.08739	0.31874	0.486	0.46	1	HC_vs_MS.Trt_B
USP40	0.0874	0.27022	0.404	0.34	1	HC_vs_MS.Trt_B
ADAMTSL4	0.08755	-0.3598	0.236	0.2	1	HC_vs_MS.Trt_B
RHBDD1	0.08776	0.30385	0.317	0.28	1	HC_vs_MS.Trt_B
ARF3	0.0881	0.31536	0.159	0.13	1	HC_vs_MS.Trt_B
AP5Z1	0.08818	0.31127	0.143	0.11	1	HC_vs_MS.Trt_B
EBLN2	0.08828	0.74831	0.114	0.09	1	HC_vs_MS.Trt_B
TUFT1	0.08834	0.29599	0.349	0.31	1	HC_vs_MS.Trt_B
TCEAL4	0.08857	0.28551	0.12	0.09	1	HC_vs_MS.Trt_B

RPS7	0.08863	0.45259	0.439	0.41	1	HC_vs_MS.Trt_B
HMGA1	0.08882	0.26786	0.177	0.14	1	HC_vs_MS.Trt_B
BRD9	0.0889	-0.2713	0.146	0.11	1	HC_vs_MS.Trt_B
HDDC2	0.08894	0.26239	0.116	0.09	1	HC_vs_MS.Trt_B
BNC2	0.0892	-0.4842	0.128	0.09	1	HC_vs_MS.Trt_B
CRY2	0.08951	-0.3992	0.443	0.41	1	HC_vs_MS.Trt_B
IP6K2	0.08967	-0.2899	0.314	0.26	1	HC_vs_MS.Trt_B
MAK	0.0897	0.26272	0.17	0.14	1	HC_vs_MS.Trt_B
SNRPA1	0.08983	-0.6104	0.652	0.57	1	HC_vs_MS.Trt_B
NPTXR	0.08998	-0.2507	0.326	0.27	1	HC_vs_MS.Trt_B
GSR	0.08998	0.33391	0.203	0.17	1	HC_vs_MS.Trt_B
USO1	0.0901	0.56382	0.133	0.1	1	HC_vs_MS.Trt_B
MED16	0.09015	-0.2615	0.146	0.19	1	HC_vs_MS.Trt_B
MTERF1	0.0904	0.43679	0.196	0.16	1	HC_vs_MS.Trt_B
PADI2	0.09067	0.48631	0.217	0.18	1	HC_vs_MS.Trt_B
VPS11	0.09161	-0.5319	0.767	0.71	1	HC_vs_MS.Trt_B
TRADD	0.09161	-0.6596	0.133	0.17	1	HC_vs_MS.Trt_B
SIRT1	0.09246	-0.5615	0.103	0.07	1	HC_vs_MS.Trt_B
SRPK3	0.09266	-0.261	0.257	0.21	1	HC_vs_MS.Trt_B
SQRDL	0.09271	-0.282	0.133	0.1	1	HC_vs_MS.Trt_B
RDH10	0.0935	-0.9093	0.167	0.13	1	HC_vs_MS.Trt_B
PAEP	0.09363	-0.6981	0.393	0.35	1	HC_vs_MS.Trt_B
GPR108	0.09381	-0.5895	0.123	0.16	1	HC_vs_MS.Trt_B
COA3	0.0939	-1.0673	0.075	0.1	1	HC_vs_MS.Trt_B
PLEC	0.09398	0.33754	0.267	0.23	1	HC_vs_MS.Trt_B
C12orf75	0.09409	0.32066	0.122	0.09	1	HC_vs_MS.Trt_B
CORO7-PAM	0.09416	0.29584	0.104	0.08	1	HC_vs_MS.Trt_B
PHF6	0.09417	-0.3293	0.667	0.57	1	HC_vs_MS.Trt_B
MRPL37	0.09427	-0.5612	0.126	0.16	1	HC_vs_MS.Trt_B
RGPD2	0.09434	-0.318	0.159	0.12	1	HC_vs_MS.Trt_B
TPRA1	0.09439	-0.3584	0.152	0.12	1	HC_vs_MS.Trt_B
RP11-111H1	0.09496	-0.4807	0.113	0.08	1	HC_vs_MS.Trt_B
FAM63A	0.09498	-0.6033	0.509	0.43	1	HC_vs_MS.Trt_B
IRF3	0.09515	-0.2885	0.749	0.68	1	HC_vs_MS.Trt_B
RRM2B	0.09549	-0.4017	0.117	0.09	1	HC_vs_MS.Trt_B
PPP1R3F	0.09553	-0.9552	0.128	0.09	1	HC_vs_MS.Trt_B
EFCAB10	0.09569	-0.3433	0.168	0.13	1	HC_vs_MS.Trt_B
ARL6IP5	0.0959	-0.6119	0.578	0.6	1	HC_vs_MS.Trt_B
FAIM	0.096	-0.5093	0.358	0.32	1	HC_vs_MS.Trt_B
PIGO	0.0963	0.45665	0.342	0.3	1	HC_vs_MS.Trt_B

HIST1H1D	0.09638	0.50116	0.122	0.09	1	HC_vs_MS.Trt_B
SNRPG	0.09657	-0.434	0.246	0.2	1	HC_vs_MS.Trt_B
SAMD9L	0.09663	-0.2724	0.191	0.15	1	HC_vs_MS.Trt_B
TGFBR3	0.09704	0.28607	0.388	0.34	1	HC_vs_MS.Trt_B
ACP1	0.09749	-0.7372	0.252	0.29	1	HC_vs_MS.Trt_B
SCAMP1	0.09841	-0.4454	0.442	0.4	1	HC_vs_MS.Trt_B
TEPSIN	0.09859	0.52317	0.104	0.08	1	HC_vs_MS.Trt_B
1-Mar	0.09866	-0.8398	0.31	0.26	1	HC_vs_MS.Trt_B
PGGT1B	0.09894	-0.4437	0.158	0.12	1	HC_vs_MS.Trt_B
SMURF1	0.09904	-0.2932	0.103	0.07	1	HC_vs_MS.Trt_B
CFD	0.09935	0.84681	0.151	0.12	1	HC_vs_MS.Trt_B
PNPLA2	0.09951	-0.2955	0.17	0.13	1	HC_vs_MS.Trt_B
CLHC1	0.10073	-0.3933	0.467	0.41	1	HC_vs_MS.Trt_B
TAP2	0.10081	0.49598	0.252	0.21	1	HC_vs_MS.Trt_B
IFFO2	0.10148	0.51437	0.123	0.09	1	HC_vs_MS.Trt_B
FTSJ1	0.10188	0.34379	0.123	0.09	1	HC_vs_MS.Trt_B
HIPK1	0.102	0.44562	0.168	0.14	1	HC_vs_MS.Trt_B
TNFRSF11A	0.10233	0.68131	0.228	0.19	1	HC_vs_MS.Trt_B
PSD3	0.10298	0.38887	0.31	0.26	1	HC_vs_MS.Trt_B
ATP7A	0.10313	0.63406	0.348	0.31	1	HC_vs_MS.Trt_B
ALKBH5	0.10321	0.39464	0.123	0.09	1	HC_vs_MS.Trt_B
GINS2	0.10345	0.69924	0.3	0.26	1	HC_vs_MS.Trt_B
CDC26	0.10396	-0.6958	0.162	0.2	1	HC_vs_MS.Trt_B
NUP37	0.10417	-1.0973	0.275	0.24	1	HC_vs_MS.Trt_B
AGTPBP1	0.10431	0.79462	0.172	0.14	1	HC_vs_MS.Trt_B
AGO4	0.10439	-0.5934	0.28	0.24	1	HC_vs_MS.Trt_B
IRAK2	0.10456	-0.2889	0.288	0.24	1	HC_vs_MS.Trt_B
HELQ	0.1046	0.34464	0.132	0.1	1	HC_vs_MS.Trt_B
TIGD6	0.10515	0.48168	0.188	0.15	1	HC_vs_MS.Trt_B
RBMX	0.1053	-0.3245	0.762	0.66	1	HC_vs_MS.Trt_B
ADAD2	0.1056	-0.6384	0.225	0.19	1	HC_vs_MS.Trt_B
TMEM39A	0.10576	-0.3392	0.117	0.09	1	HC_vs_MS.Trt_B
CUTA	0.10602	-0.4828	0.27	0.3	1	HC_vs_MS.Trt_B
PHKG1	0.10655	0.26178	0.267	0.22	1	HC_vs_MS.Trt_B
MYO6	0.10674	-1.2343	0.419	0.37	1	HC_vs_MS.Trt_B
NDUFV2	0.10717	-0.2574	0.406	0.35	1	HC_vs_MS.Trt_B
CCDC174	0.10725	-0.7095	0.12	0.15	1	HC_vs_MS.Trt_B
FMNL3	0.10769	0.31666	0.235	0.2	1	HC_vs_MS.Trt_B
NSF	0.10809	0.26597	0.197	0.16	1	HC_vs_MS.Trt_B
ARHGAP9	0.10837	-0.2865	0.501	0.44	1	HC_vs_MS.Trt_B

PSENE1	0.1084	0.30994	0.151	0.12	1	HC_vs_MS.Trt_B
SYNE4	0.10848	0.40228	0.409	0.36	1	HC_vs_MS.Trt_B
GRIA1	0.10851	-0.3953	0.106	0.08	1	HC_vs_MS.Trt_B
ARPC4	0.10852	-0.4487	0.572	0.59	1	HC_vs_MS.Trt_B
RTN3	0.10882	0.26534	0.128	0.1	1	HC_vs_MS.Trt_B
GTPBP4	0.10926	0.47982	0.414	0.38	1	HC_vs_MS.Trt_B
GLUL	0.10949	-0.4729	0.158	0.12	1	HC_vs_MS.Trt_B
KIF2A	0.10998	-0.3374	0.306	0.26	1	HC_vs_MS.Trt_B
SLF1	0.1101	0.57038	0.149	0.12	1	HC_vs_MS.Trt_B
IL18BP	0.11037	0.4907	0.106	0.08	1	HC_vs_MS.Trt_B
RBM39	0.11052	-0.3088	0.888	0.79	1	HC_vs_MS.Trt_B
GLTSCR1L	0.11064	-0.6869	0.149	0.12	1	HC_vs_MS.Trt_B
ZNF17	0.11075	0.4626	0.277	0.24	1	HC_vs_MS.Trt_B
DNAJC11	0.11108	0.26325	0.168	0.14	1	HC_vs_MS.Trt_B
POLR2H	0.11121	-0.3355	0.452	0.4	1	HC_vs_MS.Trt_B
ICAM1	0.11123	-0.5139	0.428	0.38	1	HC_vs_MS.Trt_B
ZNF649	0.11147	0.26293	0.17	0.14	1	HC_vs_MS.Trt_B
ORC5	0.11159	0.38294	0.239	0.2	1	HC_vs_MS.Trt_B
CDAN1	0.112	-0.3253	0.43	0.38	1	HC_vs_MS.Trt_B
DISC1	0.11204	0.4044	0.486	0.42	1	HC_vs_MS.Trt_B
AP5B1	0.11205	0.93517	0.235	0.2	1	HC_vs_MS.Trt_B
PAK1	0.11209	-0.3249	0.155	0.12	1	HC_vs_MS.Trt_B
MSL2	0.11225	-0.3701	0.141	0.11	1	HC_vs_MS.Trt_B
DUSP1	0.11269	0.50025	0.168	0.14	1	HC_vs_MS.Trt_B
MRPL16	0.1129	-0.5173	0.142	0.11	1	HC_vs_MS.Trt_B
ARHGAP12	0.11291	-0.4126	0.139	0.11	1	HC_vs_MS.Trt_B
ISCA2	0.11302	-0.6621	0.467	0.41	1	HC_vs_MS.Trt_B
NDUFB8	0.11311	-0.8004	0.291	0.32	1	HC_vs_MS.Trt_B
MRPL46	0.11317	-0.3619	0.225	0.18	1	HC_vs_MS.Trt_B
OTUD5	0.11357	-0.3083	0.125	0.09	1	HC_vs_MS.Trt_B
FBXW8	0.11369	-0.5996	0.257	0.22	1	HC_vs_MS.Trt_B
RNF144B	0.11382	-0.2503	0.293	0.25	1	HC_vs_MS.Trt_B
POP5	0.11384	-0.7751	0.623	0.55	1	HC_vs_MS.Trt_B
PPP1R21	0.11414	0.5154	0.203	0.17	1	HC_vs_MS.Trt_B
PDCD2	0.11437	0.32508	0.106	0.08	1	HC_vs_MS.Trt_B
SLC22A18	0.11438	0.50144	0.503	0.45	1	HC_vs_MS.Trt_B
ANKRD49	0.11445	-0.6939	0.157	0.19	1	HC_vs_MS.Trt_B
TNFRSF4	0.11446	0.38196	0.103	0.08	1	HC_vs_MS.Trt_B
FANCI	0.11447	0.92608	0.52	0.5	1	HC_vs_MS.Trt_B
NRDE2	0.1145	-0.3062	0.739	0.7	1	HC_vs_MS.Trt_B

USP16	0.11497	-0.4554	0.449	0.41	1	HC_vs_MS.Trt_B
NAA20	0.11501	-0.4405	0.104	0.14	1	HC_vs_MS.Trt_B
DIAPH3	0.11574	0.26017	0.329	0.29	1	HC_vs_MS.Trt_B
TMEM167A	0.11601	-0.6186	0.329	0.28	1	HC_vs_MS.Trt_B
CD2AP	0.11609	0.35501	0.17	0.14	1	HC_vs_MS.Trt_B
ACO2	0.11634	0.30486	0.12	0.09	1	HC_vs_MS.Trt_B
C1orf109	0.11667	0.2708	0.868	0.82	1	HC_vs_MS.Trt_B
TIMP2	0.11681	-0.3346	0.165	0.13	1	HC_vs_MS.Trt_B
CKS1B	0.11744	-0.6106	0.186	0.15	1	HC_vs_MS.Trt_B
AGAP4	0.11767	-0.6446	0.21	0.17	1	HC_vs_MS.Trt_B
TAF13	0.11779	-0.3566	0.116	0.09	1	HC_vs_MS.Trt_B
AGPS	0.1182	0.66528	0.119	0.09	1	HC_vs_MS.Trt_B
SSRP1	0.11845	0.91611	0.113	0.09	1	HC_vs_MS.Trt_B
CST7	0.11861	-0.6031	0.084	0.11	1	HC_vs_MS.Trt_B
RP11-894J14	0.11878	0.51418	0.112	0.08	1	HC_vs_MS.Trt_B
SLC2A13	0.11902	-0.3317	0.309	0.27	1	HC_vs_MS.Trt_B
MT-CO3	0.11918	-0.6362	0.597	0.59	1	HC_vs_MS.Trt_B
VPS37A	0.1193	0.65348	0.133	0.11	1	HC_vs_MS.Trt_B
BROX	0.11985	-0.2801	0.567	0.52	1	HC_vs_MS.Trt_B
CDK16	0.12177	0.72537	0.113	0.09	1	HC_vs_MS.Trt_B
DNPH1	0.12227	-0.7431	0.104	0.13	1	HC_vs_MS.Trt_B
RAD23A	0.12228	-0.4601	0.719	0.68	1	HC_vs_MS.Trt_B
TNFSF4	0.12229	-0.7432	0.122	0.09	1	HC_vs_MS.Trt_B
PRPF31	0.12324	0.48494	0.125	0.1	1	HC_vs_MS.Trt_B
NEUROD2	0.1234	0.97527	0.188	0.23	1	HC_vs_MS.Trt_B
HSPG2	0.12424	0.51893	0.335	0.31	1	HC_vs_MS.Trt_B
EHBP1L1	0.1257	0.67895	0.184	0.16	1	HC_vs_MS.Trt_B
IL24	0.12573	-0.6412	0.106	0.14	1	HC_vs_MS.Trt_B
FAM46C	0.12588	0.38572	0.158	0.13	1	HC_vs_MS.Trt_B
CXADR	0.1259	0.44441	0.281	0.24	1	HC_vs_MS.Trt_B
LEPR	0.12629	0.26505	0.283	0.24	1	HC_vs_MS.Trt_B
DIRC1	0.12669	-0.3625	0.174	0.14	1	HC_vs_MS.Trt_B
RPLP1	0.12729	-0.254	0.948	0.9	1	HC_vs_MS.Trt_B
TPP1	0.12757	-0.4707	0.306	0.27	1	HC_vs_MS.Trt_B
PATL1	0.12817	0.34581	0.133	0.11	1	HC_vs_MS.Trt_B
GCN1	0.12922	0.34704	0.171	0.14	1	HC_vs_MS.Trt_B
FAM135A	0.12943	-0.6101	0.404	0.35	1	HC_vs_MS.Trt_B
HIGD1A	0.13015	-0.4105	0.148	0.12	1	HC_vs_MS.Trt_B
ZNF181	0.13043	0.55531	0.157	0.13	1	HC_vs_MS.Trt_B
TCTEX1D2	0.13103	-0.4286	0.27	0.23	1	HC_vs_MS.Trt_B

MT-ND6	0.13163	-0.3278	0.654	0.68	1	HC_vs_MS.Trt_B
UBA2	0.1318	-0.3701	0.513	0.46	1	HC_vs_MS.Trt_B
PELI1	0.13181	0.49074	0.172	0.14	1	HC_vs_MS.Trt_B
OFD1	0.13221	0.26505	0.246	0.22	1	HC_vs_MS.Trt_B
SGF29	0.13365	-0.696	0.271	0.22	1	HC_vs_MS.Trt_B
NBPF11	0.134	0.39978	0.257	0.22	1	HC_vs_MS.Trt_B
AK6	0.13635	-0.3148	0.184	0.16	1	HC_vs_MS.Trt_B
AAGAB	0.13667	0.30416	0.113	0.09	1	HC_vs_MS.Trt_B
MBD1	0.13693	-0.6591	0.138	0.17	1	HC_vs_MS.Trt_B
BCL2L1	0.13716	0.296	0.123	0.1	1	HC_vs_MS.Trt_B
GNB1L	0.13754	-0.4671	0.183	0.15	1	HC_vs_MS.Trt_B
MEMO1	0.138	-0.2545	0.301	0.27	1	HC_vs_MS.Trt_B
XPOT	0.1388	-0.3494	0.432	0.38	1	HC_vs_MS.Trt_B
ITGAX	0.13931	-0.2513	0.471	0.41	1	HC_vs_MS.Trt_B
FAM200A	0.13952	-0.291	0.207	0.17	1	HC_vs_MS.Trt_B
REEP3	0.13964	-1.248	0.429	0.38	1	HC_vs_MS.Trt_B
SC5D	0.13968	-0.2856	0.517	0.47	1	HC_vs_MS.Trt_B
PIN4	0.1397	0.43532	0.117	0.09	1	HC_vs_MS.Trt_B
RFC4	0.14062	-0.2947	0.228	0.19	1	HC_vs_MS.Trt_B
DIEXF	0.14079	0.66413	0.461	0.43	1	HC_vs_MS.Trt_B
MAP2K3	0.1417	0.3594	0.116	0.09	1	HC_vs_MS.Trt_B
NIPA2	0.14174	-0.3836	0.091	0.12	1	HC_vs_MS.Trt_B
CHD9	0.14175	-0.3363	0.345	0.31	1	HC_vs_MS.Trt_B
TTC7A	0.14223	0.32785	0.164	0.13	1	HC_vs_MS.Trt_B
NCLN	0.14224	0.44812	0.122	0.1	1	HC_vs_MS.Trt_B
OAZ1	0.14236	-0.3319	0.796	0.76	1	HC_vs_MS.Trt_B
DNAJB7	0.14262	0.3753	0.225	0.19	1	HC_vs_MS.Trt_B
AFTPH	0.14316	0.43307	0.162	0.13	1	HC_vs_MS.Trt_B
TSN	0.14342	-0.7047	0.329	0.27	1	HC_vs_MS.Trt_B
TMEM69	0.14344	-0.2797	0.197	0.16	1	HC_vs_MS.Trt_B
NOL10	0.14368	0.56572	0.133	0.11	1	HC_vs_MS.Trt_B
VPS9D1	0.1448	-0.7964	0.226	0.19	1	HC_vs_MS.Trt_B
PPIL4	0.14498	-0.3956	0.223	0.19	1	HC_vs_MS.Trt_B
CDC42SE2	0.14595	-0.2862	0.855	0.76	1	HC_vs_MS.Trt_B
ZC3H3	0.14639	0.51306	0.125	0.1	1	HC_vs_MS.Trt_B
CRIP2	0.1475	0.39432	0.12	0.1	1	HC_vs_MS.Trt_B
PBX4	0.14922	0.27897	0.11	0.09	1	HC_vs_MS.Trt_B
CYB5D1	0.1495	1.21177	0.138	0.11	1	HC_vs_MS.Trt_B
UQCRC1	0.14967	-0.6255	0.184	0.21	1	HC_vs_MS.Trt_B
CPEB1	0.14987	0.28633	0.146	0.12	1	HC_vs_MS.Trt_B

TDRD1	0.15009	0.32151	0.168	0.14	1	HC_vs_MS.Trt_B
SLC41A1	0.15048	0.33347	0.103	0.08	1	HC_vs_MS.Trt_B
SULT1A2	0.15134	0.33182	0.159	0.13	1	HC_vs_MS.Trt_B
PITHD1	0.15135	0.28057	0.145	0.12	1	HC_vs_MS.Trt_B
ARID5A	0.15205	-0.3118	0.19	0.16	1	HC_vs_MS.Trt_B
CBWD7	0.15237	-0.3838	0.401	0.38	1	HC_vs_MS.Trt_B
AGRN	0.15323	0.34024	0.335	0.31	1	HC_vs_MS.Trt_B
RFXANK	0.15339	-0.595	0.242	0.2	1	HC_vs_MS.Trt_B
GBF1	0.15421	0.3879	0.148	0.12	1	HC_vs_MS.Trt_B
EMC7	0.15422	-0.6038	0.12	0.15	1	HC_vs_MS.Trt_B
C1orf174	0.15465	-0.2893	0.501	0.46	1	HC_vs_MS.Trt_B
PSMD11	0.15585	-0.4357	0.483	0.44	1	HC_vs_MS.Trt_B
NELFCD	0.15593	0.28863	0.519	0.49	1	HC_vs_MS.Trt_B
ATP6V1B2	0.15641	-0.7824	0.594	0.52	1	HC_vs_MS.Trt_B
CHP1	0.15685	-0.6738	0.754	0.68	1	HC_vs_MS.Trt_B
NDUFB1	0.15764	-0.397	0.73	0.65	1	HC_vs_MS.Trt_B
PYROXD2	0.15779	-0.2515	0.146	0.12	1	HC_vs_MS.Trt_B
SLC48A1	0.15781	-0.7915	0.583	0.54	1	HC_vs_MS.Trt_B
HIST1H2BE	0.15888	0.48144	0.265	0.22	1	HC_vs_MS.Trt_B
LAMB1	0.15899	-0.8514	0.239	0.2	1	HC_vs_MS.Trt_B
RBM6	0.15923	-0.3228	0.832	0.77	1	HC_vs_MS.Trt_B
NUP153	0.15989	-0.3836	0.159	0.13	1	HC_vs_MS.Trt_B
TAF15	0.16013	0.39733	0.172	0.14	1	HC_vs_MS.Trt_B
ERV3-1	0.16025	0.51228	0.484	0.44	1	HC_vs_MS.Trt_B
ITIH4	0.1603	0.83895	0.201	0.17	1	HC_vs_MS.Trt_B
NDUFB11	0.16037	-0.3317	0.228	0.19	1	HC_vs_MS.Trt_B
NME9	0.16044	0.79941	0.201	0.17	1	HC_vs_MS.Trt_B
TCAIM	0.16049	-0.9322	0.184	0.15	1	HC_vs_MS.Trt_B
VPS72	0.16056	-0.2557	0.117	0.09	1	HC_vs_MS.Trt_B
MAP3K14	0.16104	0.34296	0.141	0.11	1	HC_vs_MS.Trt_B
DDX21	0.16197	0.35267	0.236	0.2	1	HC_vs_MS.Trt_B
CD74	0.16199	-0.4908	0.694	0.7	1	HC_vs_MS.Trt_B
GNAS	0.16203	-0.2922	0.435	0.38	1	HC_vs_MS.Trt_B
KIFAP3	0.16295	0.71531	0.141	0.12	1	HC_vs_MS.Trt_B
SLC23A2	0.16336	-0.2588	0.13	0.11	1	HC_vs_MS.Trt_B
FAHD2A	0.16366	0.52788	0.154	0.13	1	HC_vs_MS.Trt_B
CAPNS1	0.16436	-0.4998	0.259	0.22	1	HC_vs_MS.Trt_B
RNF2	0.16473	0.26986	0.367	0.33	1	HC_vs_MS.Trt_B
KLHL18	0.16489	0.29768	0.314	0.28	1	HC_vs_MS.Trt_B
EXOGL	0.16525	0.3438	0.475	0.45	1	HC_vs_MS.Trt_B

YPEL5	0.16529	-0.5554	0.175	0.14	1	HC_vs_MS.Trt_B
CD47	0.16554	-0.3648	0.912	0.85	1	HC_vs_MS.Trt_B
PPP2R5D	0.16582	0.31512	0.148	0.12	1	HC_vs_MS.Trt_B
LRIG1	0.16631	0.40235	0.238	0.21	1	HC_vs_MS.Trt_B
NAPB	0.16729	0.44833	0.403	0.37	1	HC_vs_MS.Trt_B
CNOT9	0.16729	-0.35	0.72	0.66	1	HC_vs_MS.Trt_B
ZFP37	0.16758	-0.4693	0.328	0.3	1	HC_vs_MS.Trt_B
NAPRT	0.16792	-0.2621	0.138	0.11	1	HC_vs_MS.Trt_B
SLC39A11	0.16824	-0.6436	0.251	0.21	1	HC_vs_MS.Trt_B
PCMT1	0.16879	0.27109	0.174	0.15	1	HC_vs_MS.Trt_B
FAM234A	0.16888	-0.2867	0.196	0.16	1	HC_vs_MS.Trt_B
ATP5G2	0.16923	-0.4405	0.852	0.76	1	HC_vs_MS.Trt_B
SLC25A36	0.16944	0.53192	0.129	0.1	1	HC_vs_MS.Trt_B
VAMP1	0.16974	0.26229	0.145	0.12	1	HC_vs_MS.Trt_B
XRCC5	0.17035	-0.2971	0.487	0.43	1	HC_vs_MS.Trt_B
GALNT15	0.17092	0.83909	0.271	0.24	1	HC_vs_MS.Trt_B
BRD4	0.17126	0.32813	0.351	0.32	1	HC_vs_MS.Trt_B
MAN1A2	0.17184	0.25056	0.248	0.21	1	HC_vs_MS.Trt_B
KCTD13	0.17193	0.38334	0.135	0.11	1	HC_vs_MS.Trt_B
KIF21B	0.17203	-0.3183	0.378	0.33	1	HC_vs_MS.Trt_B
PHF1	0.17288	0.31598	0.138	0.11	1	HC_vs_MS.Trt_B
LRRN2	0.1738	1.18731	0.23	0.2	1	HC_vs_MS.Trt_B
TMEM223	0.174	0.32533	0.133	0.11	1	HC_vs_MS.Trt_B
ERCC2	0.17532	-0.4944	0.465	0.43	1	HC_vs_MS.Trt_B
USP6	0.17535	-0.3048	0.128	0.1	1	HC_vs_MS.Trt_B
EXOC1	0.17597	-0.6379	0.164	0.14	1	HC_vs_MS.Trt_B
CASP7	0.17655	0.63871	0.125	0.1	1	HC_vs_MS.Trt_B
C7orf50	0.17724	-0.3774	0.332	0.29	1	HC_vs_MS.Trt_B
TAF2	0.17761	-0.2531	0.43	0.38	1	HC_vs_MS.Trt_B
LINC00094	0.17764	-0.4667	0.457	0.4	1	HC_vs_MS.Trt_B
SRRD	0.17805	-0.4784	0.37	0.32	1	HC_vs_MS.Trt_B
DAZAP2	0.17873	-0.4099	0.864	0.82	1	HC_vs_MS.Trt_B
PRMT8	0.17892	-0.6673	0.201	0.17	1	HC_vs_MS.Trt_B
YPEL1	0.17934	0.35545	0.414	0.37	1	HC_vs_MS.Trt_B
SLC38A10	0.18013	0.48527	0.304	0.28	1	HC_vs_MS.Trt_B
PKIA	0.1806	-0.2758	0.104	0.08	1	HC_vs_MS.Trt_B
MAP3K5	0.18089	-0.3865	0.209	0.17	1	HC_vs_MS.Trt_B
PRKAG2	0.18116	-0.4792	0.299	0.26	1	HC_vs_MS.Trt_B
MRPS9	0.1814	-0.7678	0.087	0.11	1	HC_vs_MS.Trt_B
TJP3	0.18193	0.39302	0.103	0.08	1	HC_vs_MS.Trt_B



IL20RB	0.18212	0.33769	0.229	0.19	1	HC_vs_MS.Trt_B
PIP5K1B	0.18266	0.44316	0.116	0.09	1	HC_vs_MS.Trt_B
CEACAM21	0.18288	-0.4089	0.37	0.32	1	HC_vs_MS.Trt_B
LANCL3	0.18291	-0.3794	0.259	0.22	1	HC_vs_MS.Trt_B
C5orf24	0.18311	0.51673	0.342	0.3	1	HC_vs_MS.Trt_B
MCRIP1	0.18365	-0.4167	0.381	0.35	1	HC_vs_MS.Trt_B
GORASP2	0.18395	0.25572	0.155	0.13	1	HC_vs_MS.Trt_B
ZFP36L1	0.18504	-0.3609	0.701	0.7	1	HC_vs_MS.Trt_B
CTNS	0.1853	0.3126	0.106	0.08	1	HC_vs_MS.Trt_B
CRIM1	0.18577	-0.5894	0.139	0.12	1	HC_vs_MS.Trt_B
TIPRL	0.18581	-0.3054	0.281	0.24	1	HC_vs_MS.Trt_B
STEAP3	0.18634	0.37898	0.116	0.09	1	HC_vs_MS.Trt_B
KCTD11	0.18697	-0.4109	0.149	0.12	1	HC_vs_MS.Trt_B
MRPL51	0.18757	-0.6984	0.083	0.11	1	HC_vs_MS.Trt_B
BCOR	0.18765	-0.3761	0.112	0.09	1	HC_vs_MS.Trt_B
TTC28	0.18815	0.51301	0.325	0.29	1	HC_vs_MS.Trt_B
SMN2	0.18824	-0.3459	0.807	0.8	1	HC_vs_MS.Trt_B
SAMD9	0.18838	0.30914	0.183	0.16	1	HC_vs_MS.Trt_B
MIGA2	0.18843	-0.5069	0.399	0.37	1	HC_vs_MS.Trt_B
ATP2B1	0.18851	-0.2593	0.368	0.33	1	HC_vs_MS.Trt_B
ATG12	0.1887	-0.452	0.696	0.65	1	HC_vs_MS.Trt_B
SYTL3	0.18882	-0.2794	0.122	0.1	1	HC_vs_MS.Trt_B
PER2	0.18885	-0.3931	0.452	0.4	1	HC_vs_MS.Trt_B
A2M	0.18888	-0.6486	0.126	0.16	1	HC_vs_MS.Trt_B
GNE	0.19147	0.5269	0.193	0.16	1	HC_vs_MS.Trt_B
MXD4	0.19155	-0.2756	0.123	0.1	1	HC_vs_MS.Trt_B
PYGB	0.1919	0.67639	0.101	0.08	1	HC_vs_MS.Trt_B
RUNX2	0.19259	0.34113	0.151	0.12	1	HC_vs_MS.Trt_B
ZNF418	0.193	0.58284	0.172	0.14	1	HC_vs_MS.Trt_B
F2RL2	0.19327	0.41194	0.229	0.2	1	HC_vs_MS.Trt_B
SHH	0.19378	1.42188	0.106	0.08	1	HC_vs_MS.Trt_B
RFWD2	0.194	-0.5648	0.291	0.27	1	HC_vs_MS.Trt_B
C11orf98	0.19434	-0.6362	0.103	0.13	1	HC_vs_MS.Trt_B
ARF5	0.19482	-0.4282	0.196	0.16	1	HC_vs_MS.Trt_B
BAG4	0.19486	-0.4074	0.141	0.11	1	HC_vs_MS.Trt_B
TNFSF13B	0.19605	-0.7607	0.5	0.45	1	HC_vs_MS.Trt_B
EIF3CL	0.19614	0.30435	0.167	0.14	1	HC_vs_MS.Trt_B
LPAR4	0.19697	0.65261	0.132	0.11	1	HC_vs_MS.Trt_B
EEA1	0.19726	0.32459	0.181	0.16	1	HC_vs_MS.Trt_B
APOBEC3C	0.1984	-0.4505	0.642	0.61	1	HC_vs_MS.Trt_B

JTB	0.19846	-0.4516	0.21	0.17	1	HC_vs_MS.Trt_B
NPIPA7	0.19857	-0.4156	0.154	0.12	1	HC_vs_MS.Trt_B
TNS2	0.1988	0.27467	0.291	0.26	1	HC_vs_MS.Trt_B
NFYB	0.19906	-0.9157	0.235	0.21	1	HC_vs_MS.Trt_B
TRIM39	0.19915	0.65311	0.112	0.09	1	HC_vs_MS.Trt_B
USMG5	0.19917	-0.4601	0.188	0.16	1	HC_vs_MS.Trt_B
C1orf228	0.20011	-0.2552	0.242	0.21	1	HC_vs_MS.Trt_B
BEX4	0.20079	0.48822	0.103	0.08	1	HC_vs_MS.Trt_B
ANK1	0.20172	-1.1388	0.225	0.19	1	HC_vs_MS.Trt_B
RP11-500M8	0.20529	-1.2132	0.083	0.1	1	HC_vs_MS.Trt_B
KANK3	0.20563	0.39394	0.201	0.24	1	HC_vs_MS.Trt_B
FOSB	0.20582	0.5148	0.186	0.16	1	HC_vs_MS.Trt_B
TFEB	0.20642	0.60783	0.404	0.39	1	HC_vs_MS.Trt_B
EIF2B1	0.20704	-0.3126	0.329	0.29	1	HC_vs_MS.Trt_B
MTERF3	0.20743	-0.8428	0.18	0.15	1	HC_vs_MS.Trt_B
SMAD1	0.20795	0.69436	0.32	0.29	1	HC_vs_MS.Trt_B
VPS54	0.20798	-0.6258	0.374	0.33	1	HC_vs_MS.Trt_B
RP11-574F2	0.20834	0.2515	0.154	0.13	1	HC_vs_MS.Trt_B
TPX2	0.20847	1.05916	0.181	0.15	1	HC_vs_MS.Trt_B
SLC16A6	0.20848	-0.6227	0.242	0.21	1	HC_vs_MS.Trt_B
THYN1	0.20911	-0.6697	0.13	0.16	1	HC_vs_MS.Trt_B
MTMR2	0.20911	0.43556	0.158	0.13	1	HC_vs_MS.Trt_B
TBC1D23	0.20922	-0.5679	0.114	0.09	1	HC_vs_MS.Trt_B
STX12	0.20939	0.36185	0.184	0.16	1	HC_vs_MS.Trt_B
ZNF862	0.21086	0.2915	0.107	0.09	1	HC_vs_MS.Trt_B
SRPRB	0.2109	0.40987	0.139	0.12	1	HC_vs_MS.Trt_B
P4HA1	0.21157	0.26748	0.161	0.13	1	HC_vs_MS.Trt_B
ATOX1	0.2116	0.25502	0.174	0.15	1	HC_vs_MS.Trt_B
PRKACA	0.21162	0.33702	0.172	0.15	1	HC_vs_MS.Trt_B
TAF5L	0.21174	0.72364	0.104	0.08	1	HC_vs_MS.Trt_B
TPI1	0.21192	-0.2566	0.372	0.4	1	HC_vs_MS.Trt_B
LCAT	0.21228	-0.5578	0.187	0.16	1	HC_vs_MS.Trt_B
KPTN	0.21256	0.79495	0.212	0.17	1	HC_vs_MS.Trt_B
NDUFA13	0.21273	-0.8168	0.409	0.41	1	HC_vs_MS.Trt_B
KDM5B	0.21393	0.30223	0.277	0.25	1	HC_vs_MS.Trt_B
PPP1R9A	0.2141	0.28141	0.158	0.13	1	HC_vs_MS.Trt_B
FCGR2A	0.21463	-0.5941	0.162	0.14	1	HC_vs_MS.Trt_B
GARNL3	0.21471	0.61721	0.155	0.13	1	HC_vs_MS.Trt_B
ZNF622	0.21566	-0.9801	0.081	0.1	1	HC_vs_MS.Trt_B
COG6	0.21576	-0.6622	0.12	0.1	1	HC_vs_MS.Trt_B

PTPRE	0.21592	-0.3036	0.355	0.32	1	HC_vs_MS.Trt_B
ATG4B	0.21628	0.33366	0.152	0.13	1	HC_vs_MS.Trt_B
HSPD1	0.2163	0.27587	0.193	0.17	1	HC_vs_MS.Trt_B
LSM12	0.21673	-0.2906	0.622	0.58	1	HC_vs_MS.Trt_B
BLMH	0.21703	0.34665	0.581	0.55	1	HC_vs_MS.Trt_B
DUSP7	0.21744	-0.3164	0.109	0.09	1	HC_vs_MS.Trt_B
TSPYL1	0.21768	-0.2605	0.522	0.47	1	HC_vs_MS.Trt_B
ZNF18	0.21768	0.31868	0.312	0.29	1	HC_vs_MS.Trt_B
NSMAF	0.21782	0.31749	0.162	0.14	1	HC_vs_MS.Trt_B
HNF1B	0.21795	0.30372	0.17	0.14	1	HC_vs_MS.Trt_B
BCAT2	0.219	-0.4282	0.142	0.12	1	HC_vs_MS.Trt_B
HGS	0.21928	-0.3289	0.599	0.55	1	HC_vs_MS.Trt_B
MPG	0.21946	-0.6407	0.094	0.12	1	HC_vs_MS.Trt_B
ABCD3	0.21977	0.86169	0.125	0.1	1	HC_vs_MS.Trt_B
VPS18	0.22118	0.44098	0.197	0.17	1	HC_vs_MS.Trt_B
POLR2L	0.22134	-0.3126	0.212	0.18	1	HC_vs_MS.Trt_B
CCDC115	0.22182	-0.5625	0.086	0.11	1	HC_vs_MS.Trt_B
STAU1	0.22188	-0.5375	0.293	0.33	1	HC_vs_MS.Trt_B
WDR37	0.22325	-0.2734	0.161	0.13	1	HC_vs_MS.Trt_B
PCNP	0.22456	-0.6344	0.235	0.2	1	HC_vs_MS.Trt_B
XYLT1	0.22631	0.60044	0.116	0.1	1	HC_vs_MS.Trt_B
SPEG	0.22724	0.29541	0.23	0.21	1	HC_vs_MS.Trt_B
CEP55	0.22858	-0.661	0.126	0.1	1	HC_vs_MS.Trt_B
UBE2K	0.22977	0.5119	0.133	0.11	1	HC_vs_MS.Trt_B
ENO2	0.22978	0.66923	0.199	0.17	1	HC_vs_MS.Trt_B
RAPGEF2	0.23086	-0.3418	0.348	0.32	1	HC_vs_MS.Trt_B
CCDC15	0.23106	0.38817	0.216	0.19	1	HC_vs_MS.Trt_B
MAP2K4	0.23239	1.06586	0.213	0.19	1	HC_vs_MS.Trt_B
MRPL32	0.23409	-0.4439	0.122	0.1	1	HC_vs_MS.Trt_B
APOBR	0.2353	-0.6282	0.104	0.08	1	HC_vs_MS.Trt_B
XPO7	0.23617	-0.3884	0.1	0.12	1	HC_vs_MS.Trt_B
RAD21	0.23662	-0.3203	0.33	0.3	1	HC_vs_MS.Trt_B
UPK3BL	0.23752	-0.5295	0.532	0.53	1	HC_vs_MS.Trt_B
RHBDD3	0.23793	0.66924	0.467	0.44	1	HC_vs_MS.Trt_B
GCNT4	0.23828	-0.5822	0.475	0.5	1	HC_vs_MS.Trt_B
PNISR	0.23902	-0.2902	0.554	0.48	1	HC_vs_MS.Trt_B
C19orf52	0.23926	0.37392	0.241	0.22	1	HC_vs_MS.Trt_B
AGBL3	0.24014	-0.3384	0.248	0.21	1	HC_vs_MS.Trt_B
MAP2K5	0.24212	0.30067	0.103	0.08	1	HC_vs_MS.Trt_B
UBE2Z	0.2423	-0.2655	0.181	0.16	1	HC_vs_MS.Trt_B

C3orf18	0.24308	-0.373	0.214	0.19	1	HC_vs_MS.Trt_B
MED12	0.24336	-0.3249	0.172	0.14	1	HC_vs_MS.Trt_B
COIL	0.24362	-0.7521	0.106	0.08	1	HC_vs_MS.Trt_B
TMED9	0.24392	-0.4258	0.278	0.24	1	HC_vs_MS.Trt_B
BLM	0.24463	0.37913	0.239	0.22	1	HC_vs_MS.Trt_B
MRPS31	0.24564	-0.4695	0.387	0.35	1	HC_vs_MS.Trt_B
ALG5	0.24606	-0.4981	0.399	0.43	1	HC_vs_MS.Trt_B
CTNBL1	0.24648	-0.3755	0.172	0.15	1	HC_vs_MS.Trt_B
AGAP2	0.24663	-0.3119	0.151	0.12	1	HC_vs_MS.Trt_B
TRIP4	0.24673	0.32141	0.477	0.46	1	HC_vs_MS.Trt_B
RCOR1	0.24685	0.3832	0.13	0.11	1	HC_vs_MS.Trt_B
ALG6	0.24706	0.4571	0.101	0.08	1	HC_vs_MS.Trt_B
ZFAND2B	0.24762	-0.411	0.172	0.14	1	HC_vs_MS.Trt_B
CPNE8	0.24787	-0.6966	0.088	0.11	1	HC_vs_MS.Trt_B
TTC13	0.24822	-0.3927	0.114	0.09	1	HC_vs_MS.Trt_B
PRKD3	0.24847	-0.3961	0.322	0.29	1	HC_vs_MS.Trt_B
CAT	0.24915	-0.3013	0.133	0.11	1	HC_vs_MS.Trt_B
COX16	0.24952	-0.3394	0.487	0.53	1	HC_vs_MS.Trt_B
CCDC18	0.25009	-0.7573	0.159	0.13	1	HC_vs_MS.Trt_B
DHX16	0.25231	0.29962	0.112	0.09	1	HC_vs_MS.Trt_B
TMEM263	0.25322	-0.4291	0.377	0.34	1	HC_vs_MS.Trt_B
NSUN7	0.25433	-1.353	0.229	0.2	1	HC_vs_MS.Trt_B
ATP13A3	0.2546	-0.3434	0.104	0.09	1	HC_vs_MS.Trt_B
TNPO2	0.25491	0.49842	0.122	0.1	1	HC_vs_MS.Trt_B
WDR83OS	0.2557	-0.2614	0.178	0.15	1	HC_vs_MS.Trt_B
MUS81	0.25596	0.277	0.112	0.09	1	HC_vs_MS.Trt_B
GADD45GIP	0.25612	-0.3206	0.126	0.1	1	HC_vs_MS.Trt_B
FKBP3	0.25638	-0.4328	0.268	0.24	1	HC_vs_MS.Trt_B
MEGF9	0.25681	-0.4357	0.436	0.39	1	HC_vs_MS.Trt_B
ANKRD36C	0.25705	-0.2581	0.517	0.48	1	HC_vs_MS.Trt_B
VAMP4	0.25728	-1.0383	0.17	0.14	1	HC_vs_MS.Trt_B
TRAM1	0.25894	-0.278	0.383	0.34	1	HC_vs_MS.Trt_B
HMG1	0.25931	-0.3514	0.414	0.38	1	HC_vs_MS.Trt_B
TPD52L2	0.25944	-0.3693	0.201	0.18	1	HC_vs_MS.Trt_B
ARL14EP	0.25961	-0.5124	0.203	0.18	1	HC_vs_MS.Trt_B
POLR3GL	0.26402	-0.2784	0.174	0.15	1	HC_vs_MS.Trt_B
DHX29	0.2648	0.46248	0.128	0.11	1	HC_vs_MS.Trt_B
SLCO4C1	0.26558	0.27535	0.157	0.13	1	HC_vs_MS.Trt_B
ANAPC10	0.2663	0.34039	0.104	0.09	1	HC_vs_MS.Trt_B
HLA-DRB5	0.26652	-2.4197	0.087	0.11	1	HC_vs_MS.Trt_B

PHTF1	0.26726	-0.8797	0.428	0.4	1	HC_vs_MS.Trt_B
DSN1	0.26779	0.56122	0.225	0.2	1	HC_vs_MS.Trt_B
LPCAT4	0.26791	0.56109	0.262	0.24	1	HC_vs_MS.Trt_B
TOPBP1	0.26885	0.42125	0.106	0.09	1	HC_vs_MS.Trt_B
LAYN	0.26926	-0.7926	0.193	0.17	1	HC_vs_MS.Trt_B
TBCB	0.26996	-0.4584	0.645	0.6	1	HC_vs_MS.Trt_B
BRAP	0.27072	-0.3407	0.28	0.25	1	HC_vs_MS.Trt_B
DNAAF5	0.27107	-1.5546	0.19	0.17	1	HC_vs_MS.Trt_B
HDHD3	0.27109	0.37247	0.136	0.12	1	HC_vs_MS.Trt_B
CDC42	0.2714	-0.4711	0.868	0.81	1	HC_vs_MS.Trt_B
CD96	0.27218	-0.4104	0.549	0.51	1	HC_vs_MS.Trt_B
TMIGD2	0.27398	-0.3076	0.199	0.17	1	HC_vs_MS.Trt_B
CDH15	0.27502	0.38169	0.403	0.38	1	HC_vs_MS.Trt_B
IQGAP1	0.27637	-0.3949	0.791	0.72	1	HC_vs_MS.Trt_B
UBR3	0.27782	-0.5947	0.116	0.1	1	HC_vs_MS.Trt_B
CEBPZ	0.27784	-0.4123	0.2	0.17	1	HC_vs_MS.Trt_B
TRIM46	0.27785	-0.4202	0.417	0.38	1	HC_vs_MS.Trt_B
HNRNPLL	0.27796	-0.2577	0.235	0.21	1	HC_vs_MS.Trt_B
PPP2R2A	0.27832	-0.4762	0.126	0.11	1	HC_vs_MS.Trt_B
CHST3	0.27845	0.33081	0.139	0.12	1	HC_vs_MS.Trt_B
FN1	0.27911	-0.6824	0.348	0.31	1	HC_vs_MS.Trt_B
6-Mar	0.28003	-0.4178	0.8	0.73	1	HC_vs_MS.Trt_B
YPEL3	0.2807	-0.296	0.235	0.2	1	HC_vs_MS.Trt_B
LGALS1	0.28093	-0.7321	0.175	0.2	1	HC_vs_MS.Trt_B
BNIP3L	0.28106	-0.346	0.181	0.16	1	HC_vs_MS.Trt_B
MTM1	0.28169	-0.4423	0.135	0.11	1	HC_vs_MS.Trt_B
CDRT4	0.28247	0.30178	0.101	0.08	1	HC_vs_MS.Trt_B
SPAG4	0.28295	-0.3729	0.188	0.16	1	HC_vs_MS.Trt_B
CAGE1	0.28411	-0.3566	0.291	0.25	1	HC_vs_MS.Trt_B
UPF3B	0.28436	-0.2927	0.13	0.11	1	HC_vs_MS.Trt_B
PRDX3	0.28536	-0.8075	0.409	0.37	1	HC_vs_MS.Trt_B
NPIP6	0.28594	0.27122	0.186	0.17	1	HC_vs_MS.Trt_B
MAD1L1	0.28684	-0.5476	0.284	0.24	1	HC_vs_MS.Trt_B
TRAFD1	0.28753	0.3371	0.201	0.18	1	HC_vs_MS.Trt_B
SESN3	0.28796	-0.2743	0.259	0.23	1	HC_vs_MS.Trt_B
STX18	0.29023	0.6064	0.12	0.1	1	HC_vs_MS.Trt_B
NCBP2-AS2	0.29047	-0.359	0.116	0.14	1	HC_vs_MS.Trt_B
MSL3	0.29135	0.2563	0.184	0.16	1	HC_vs_MS.Trt_B
DAD1	0.29162	-0.4323	0.307	0.27	1	HC_vs_MS.Trt_B
HMG3	0.29233	-0.6676	0.17	0.19	1	HC_vs_MS.Trt_B

LARP1	0.29355	-0.2997	0.18	0.15	1	HC_vs_MS.Trt_B
TMTC3	0.2948	-0.6117	0.181	0.16	1	HC_vs_MS.Trt_B
GPR107	0.29522	0.65386	0.145	0.13	1	HC_vs_MS.Trt_B
VRK1	0.2955	-0.6219	0.206	0.18	1	HC_vs_MS.Trt_B
TSEN34	0.29633	-0.4284	0.112	0.09	1	HC_vs_MS.Trt_B
CREM	0.29919	-1.085	0.135	0.16	1	HC_vs_MS.Trt_B
BAP1	0.29931	-0.5921	0.307	0.28	1	HC_vs_MS.Trt_B
HAVCR1	0.29956	-0.6856	0.335	0.3	1	HC_vs_MS.Trt_B
SLC25A35	0.29978	-0.6305	0.142	0.12	1	HC_vs_MS.Trt_B
ISCU	0.30008	-0.3651	0.317	0.34	1	HC_vs_MS.Trt_B
DCAF6	0.30095	0.67451	0.159	0.14	1	HC_vs_MS.Trt_B
INCA1	0.30098	-0.7482	0.18	0.16	1	HC_vs_MS.Trt_B
TMEM216	0.3014	-0.3815	0.322	0.29	1	HC_vs_MS.Trt_B
G2E3	0.30181	-0.2631	0.488	0.46	1	HC_vs_MS.Trt_B
PTTG1P	0.30266	0.30063	0.139	0.12	1	HC_vs_MS.Trt_B
KDM2B	0.30292	0.26453	0.791	0.74	1	HC_vs_MS.Trt_B
PSMB7	0.30447	-0.2622	0.174	0.2	1	HC_vs_MS.Trt_B
C5orf15	0.30671	-0.4194	0.113	0.09	1	HC_vs_MS.Trt_B
AGL	0.3076	0.38236	0.13	0.11	1	HC_vs_MS.Trt_B
AC240274.1	0.30835	1.13522	0.241	0.21	1	HC_vs_MS.Trt_B
ATRX	0.3084	-0.3733	0.551	0.5	1	HC_vs_MS.Trt_B
CCNT2	0.30898	0.33215	0.133	0.12	1	HC_vs_MS.Trt_B
NDUFB3	0.30905	-0.3097	0.143	0.12	1	HC_vs_MS.Trt_B
PARP1	0.30986	-0.3253	0.313	0.28	1	HC_vs_MS.Trt_B
PRKCB	0.30989	-0.3623	0.291	0.26	1	HC_vs_MS.Trt_B
IER3IP1	0.31137	-0.7124	0.123	0.1	1	HC_vs_MS.Trt_B
COMMD6	0.31202	-0.7263	0.332	0.34	1	HC_vs_MS.Trt_B
RXRA	0.3128	1.1061	0.138	0.12	1	HC_vs_MS.Trt_B
RNF168	0.31282	-0.355	0.543	0.48	1	HC_vs_MS.Trt_B
PPME1	0.31352	0.36494	0.116	0.1	1	HC_vs_MS.Trt_B
LSR	0.3136	0.34116	0.152	0.13	1	HC_vs_MS.Trt_B
RAPH1	0.31402	-0.2883	0.146	0.12	1	HC_vs_MS.Trt_B
CBX3	0.31416	-0.3445	0.535	0.49	1	HC_vs_MS.Trt_B
MYO1D	0.31552	-0.7267	0.128	0.11	1	HC_vs_MS.Trt_B
RANBP10	0.31782	-0.2509	0.107	0.09	1	HC_vs_MS.Trt_B
COX6B1	0.31845	0.41538	0.104	0.09	1	HC_vs_MS.Trt_B
IL11RA	0.31912	-0.3456	0.145	0.12	1	HC_vs_MS.Trt_B
MTPN	0.31968	0.2589	0.162	0.14	1	HC_vs_MS.Trt_B
EXOSC8	0.32204	-0.6051	0.452	0.43	1	HC_vs_MS.Trt_B
HMGXB3	0.3231	0.26741	0.128	0.11	1	HC_vs_MS.Trt_B

LYRM9	0.32358	0.79819	0.196	0.18	1	HC_vs_MS.Trt_B
GNB1	0.32616	-0.2884	0.29	0.26	1	HC_vs_MS.Trt_B
ZNF223	0.32667	-0.7218	0.101	0.08	1	HC_vs_MS.Trt_B
TP53BP1	0.32669	-0.3175	0.252	0.22	1	HC_vs_MS.Trt_B
IKZF5	0.32758	-0.3967	0.158	0.18	1	HC_vs_MS.Trt_B
PEX7	0.32819	0.45612	0.141	0.12	1	HC_vs_MS.Trt_B
ANKRD26	0.32874	0.72444	0.123	0.11	1	HC_vs_MS.Trt_B
NPIP15	0.33153	-0.6609	0.193	0.21	1	HC_vs_MS.Trt_B
CASP8AP2	0.33196	-0.32	0.342	0.31	1	HC_vs_MS.Trt_B
MYL12A	0.33249	-0.2611	0.894	0.79	1	HC_vs_MS.Trt_B
PLCL1	0.3333	-0.2523	0.129	0.11	1	HC_vs_MS.Trt_B
NIPA1	0.3342	0.37562	0.101	0.12	1	HC_vs_MS.Trt_B
GPS2	0.33688	-0.4164	0.193	0.21	1	HC_vs_MS.Trt_B
ZNF547	0.33704	-1.2761	0.203	0.17	1	HC_vs_MS.Trt_B
PRKRA	0.33718	-0.2625	0.216	0.2	1	HC_vs_MS.Trt_B
GUCA1B	0.33729	-0.2795	0.29	0.26	1	HC_vs_MS.Trt_B
ESAM	0.33873	0.79273	0.109	0.09	1	HC_vs_MS.Trt_B
PILRB	0.3403	-0.6446	0.419	0.39	1	HC_vs_MS.Trt_B
XXYLT1	0.34095	-0.7616	0.183	0.16	1	HC_vs_MS.Trt_B
ZNF574	0.34131	0.38332	0.316	0.29	1	HC_vs_MS.Trt_B
PACRGL	0.34173	0.45621	0.271	0.25	1	HC_vs_MS.Trt_B
NFXL1	0.3424	0.51708	0.103	0.09	1	HC_vs_MS.Trt_B
ERP44	0.34252	-0.5478	0.219	0.19	1	HC_vs_MS.Trt_B
LSG1	0.34277	-0.2766	0.361	0.34	1	HC_vs_MS.Trt_B
ERICH1	0.34278	-0.4509	0.178	0.16	1	HC_vs_MS.Trt_B
HIST1H4C	0.34295	-0.4314	0.319	0.28	1	HC_vs_MS.Trt_B
PCNT	0.34527	-0.2603	0.167	0.15	1	HC_vs_MS.Trt_B
NDUFB10	0.34595	-0.418	0.177	0.16	1	HC_vs_MS.Trt_B
PAPD4	0.34669	-0.577	0.226	0.2	1	HC_vs_MS.Trt_B
BRICD5	0.34692	0.28637	0.251	0.23	1	HC_vs_MS.Trt_B
ATRAID	0.34744	-0.4131	0.183	0.21	1	HC_vs_MS.Trt_B
TMED10	0.34789	-0.3965	0.641	0.6	1	HC_vs_MS.Trt_B
RPA1	0.3482	-0.4816	0.264	0.24	1	HC_vs_MS.Trt_B
NME3	0.34967	-0.3599	0.113	0.1	1	HC_vs_MS.Trt_B
METTL5	0.35123	-0.5683	0.464	0.43	1	HC_vs_MS.Trt_B
RPS21	0.35139	-0.4025	0.439	0.4	1	HC_vs_MS.Trt_B
ZBTB1	0.35245	-0.312	0.136	0.16	1	HC_vs_MS.Trt_B
ADRM1	0.35475	-0.4399	0.172	0.19	1	HC_vs_MS.Trt_B
ZMYM5	0.3552	-0.4066	0.2	0.18	1	HC_vs_MS.Trt_B
FNDC3B	0.35563	-0.2723	0.667	0.66	1	HC_vs_MS.Trt_B

PATZ1	0.35799	-0.2581	0.107	0.09	1	HC_vs_MS.Trt_B
FAM168B	0.35816	-0.4252	0.106	0.09	1	HC_vs_MS.Trt_B
NSUN5	0.35867	-0.5344	0.312	0.28	1	HC_vs_MS.Trt_B
SLC31A2	0.35918	0.39647	0.101	0.09	1	HC_vs_MS.Trt_B
CD3G	0.3595	-0.4956	0.948	0.92	1	HC_vs_MS.Trt_B
OARD1	0.35966	-0.5666	0.197	0.17	1	HC_vs_MS.Trt_B
LINC00116	0.35973	-0.7292	0.106	0.12	1	HC_vs_MS.Trt_B
RBM4B	0.3604	0.26263	0.174	0.16	1	HC_vs_MS.Trt_B
ADAM28	0.36052	-0.3292	0.135	0.12	1	HC_vs_MS.Trt_B
MAP3K7	0.36079	-0.4505	0.133	0.12	1	HC_vs_MS.Trt_B
HLA-DRB3	0.36127	-1.3942	0.093	0.11	1	HC_vs_MS.Trt_B
CPNE1	0.36239	-0.3315	0.459	0.46	1	HC_vs_MS.Trt_B
ARHGEF40	0.36441	-0.7064	0.125	0.11	1	HC_vs_MS.Trt_B
RPA3	0.36872	-0.5213	0.178	0.16	1	HC_vs_MS.Trt_B
SPIN1	0.36971	-0.7114	0.155	0.14	1	HC_vs_MS.Trt_B
AHCTF1	0.36999	-0.5907	0.133	0.15	1	HC_vs_MS.Trt_B
APOL2	0.37142	-0.3679	0.561	0.5	1	HC_vs_MS.Trt_B
COX17	0.37266	-0.4423	0.245	0.22	1	HC_vs_MS.Trt_B
UBE2I	0.37293	-0.2506	0.52	0.48	1	HC_vs_MS.Trt_B
MRPL13	0.37355	-0.5408	0.087	0.1	1	HC_vs_MS.Trt_B
VAMP5	0.37461	-0.3749	0.113	0.1	1	HC_vs_MS.Trt_B
PSMA1	0.37687	-0.5523	0.294	0.26	1	HC_vs_MS.Trt_B
CYC1	0.37688	-0.7518	0.099	0.11	1	HC_vs_MS.Trt_B
DICER1	0.37919	-0.5458	0.148	0.13	1	HC_vs_MS.Trt_B
CARD16	0.37975	-0.3606	0.252	0.22	1	HC_vs_MS.Trt_B
EIF1AX	0.37983	-0.3503	0.242	0.22	1	HC_vs_MS.Trt_B
CCDC93	0.38076	0.65387	0.114	0.1	1	HC_vs_MS.Trt_B
ADRB2	0.38183	0.40254	0.187	0.17	1	HC_vs_MS.Trt_B
GSTO1	0.38251	-0.4122	0.11	0.13	1	HC_vs_MS.Trt_B
CCT5	0.38259	-0.5038	0.138	0.16	1	HC_vs_MS.Trt_B
RRAGA	0.38355	0.25591	0.11	0.1	1	HC_vs_MS.Trt_B
COPE	0.38364	-0.2542	0.303	0.28	1	HC_vs_MS.Trt_B
ADARB1	0.38446	-0.4895	0.197	0.18	1	HC_vs_MS.Trt_B
CDC123	0.38491	-0.4655	0.188	0.17	1	HC_vs_MS.Trt_B
UBN1	0.38521	-0.412	0.117	0.1	1	HC_vs_MS.Trt_B
FAM103A1	0.3858	0.45	0.101	0.09	1	HC_vs_MS.Trt_B
MAMLD1	0.38697	-0.7442	0.187	0.16	1	HC_vs_MS.Trt_B
B3GNTL1	0.38708	-0.3378	0.217	0.2	1	HC_vs_MS.Trt_B
ALOX5AP	0.38804	-0.5575	0.213	0.23	1	HC_vs_MS.Trt_B
ADCY4	0.38948	-0.643	0.088	0.11	1	HC_vs_MS.Trt_B



PI4KA	0.38997	-0.4785	0.225	0.2	1	HC_vs_MS.Trt_B
PIBF1	0.39191	0.37439	0.128	0.11	1	HC_vs_MS.Trt_B
PSMB6	0.39338	-0.7792	0.571	0.58	1	HC_vs_MS.Trt_B
SGPL1	0.39367	-0.4565	0.419	0.38	1	HC_vs_MS.Trt_B
PSEN2	0.39367	-1.2647	0.138	0.12	1	HC_vs_MS.Trt_B
S100A6	0.39489	-0.2972	0.496	0.45	1	HC_vs_MS.Trt_B
DENND5A	0.39499	-0.5033	0.225	0.2	1	HC_vs_MS.Trt_B
ZMIZ2	0.39599	-0.3428	0.128	0.11	1	HC_vs_MS.Trt_B
CUL1	0.39677	-0.2629	0.158	0.14	1	HC_vs_MS.Trt_B
SCP2	0.39684	-0.441	0.184	0.16	1	HC_vs_MS.Trt_B
PSME2	0.39779	-0.4906	0.301	0.31	1	HC_vs_MS.Trt_B
PAPD5	0.3984	0.55608	0.136	0.12	1	HC_vs_MS.Trt_B
DOK2	0.3986	-0.3588	0.333	0.34	1	HC_vs_MS.Trt_B
FKBP4	0.39884	-0.69	0.094	0.11	1	HC_vs_MS.Trt_B
SLC16A1	0.39984	0.52889	0.103	0.09	1	HC_vs_MS.Trt_B
HIST1H3E	0.40039	1.16168	0.112	0.1	1	HC_vs_MS.Trt_B
SLX1A	0.40169	-0.3464	0.459	0.42	1	HC_vs_MS.Trt_B
NOG	0.40223	-0.6992	0.241	0.22	1	HC_vs_MS.Trt_B
INF2	0.40342	-0.6521	0.199	0.18	1	HC_vs_MS.Trt_B
UBL3	0.40371	-0.7145	0.165	0.18	1	HC_vs_MS.Trt_B
PHACTR1	0.40507	0.84769	0.393	0.39	1	HC_vs_MS.Trt_B
RB1CC1	0.40771	-0.3495	0.293	0.27	1	HC_vs_MS.Trt_B
TWF2	0.40823	-0.4235	0.168	0.19	1	HC_vs_MS.Trt_B
RNF181	0.40834	-0.616	0.139	0.15	1	HC_vs_MS.Trt_B
MAPRE2	0.4128	-0.4139	0.184	0.21	1	HC_vs_MS.Trt_B
MED14	0.41376	0.56434	0.141	0.13	1	HC_vs_MS.Trt_B
GTF3C4	0.41429	-0.2618	0.29	0.27	1	HC_vs_MS.Trt_B
NEO1	0.41674	-0.6985	0.245	0.22	1	HC_vs_MS.Trt_B
ITM2B	0.41757	-0.2518	0.567	0.51	1	HC_vs_MS.Trt_B
ATP5I	0.41879	-0.6412	0.219	0.2	1	HC_vs_MS.Trt_B
CIB1	0.41909	-0.5168	0.196	0.17	1	HC_vs_MS.Trt_B
KLHDC3	0.42058	0.36771	0.117	0.11	1	HC_vs_MS.Trt_B
ABCB6	0.42114	0.41688	0.113	0.1	1	HC_vs_MS.Trt_B
SYF2	0.42144	-0.4116	0.419	0.38	1	HC_vs_MS.Trt_B
RANBP1	0.4226	-0.8011	0.142	0.16	1	HC_vs_MS.Trt_B
PAIP2	0.42305	-0.5515	0.571	0.54	1	HC_vs_MS.Trt_B
FBXW7	0.42389	-0.3717	0.152	0.14	1	HC_vs_MS.Trt_B
GTF3A	0.42504	-0.3058	0.394	0.34	1	HC_vs_MS.Trt_B
BLOC1S1	0.42756	-0.3826	0.165	0.14	1	HC_vs_MS.Trt_B
ZNF600	0.42823	0.60377	0.142	0.13	1	HC_vs_MS.Trt_B

SEC61G	0.43113	-0.3293	0.216	0.2	1	HC_vs_MS.Trt_B
PRR14	0.43137	0.30435	0.114	0.1	1	HC_vs_MS.Trt_B
C7orf49	0.43157	0.32252	0.145	0.13	1	HC_vs_MS.Trt_B
RNF31	0.43487	-0.5054	0.28	0.25	1	HC_vs_MS.Trt_B
GPX2	0.43512	1.19109	0.18	0.17	1	HC_vs_MS.Trt_B
ATP11B	0.43664	-0.4978	0.204	0.19	1	HC_vs_MS.Trt_B
ZNF573	0.43819	1.11465	0.368	0.36	1	HC_vs_MS.Trt_B
CBLL1	0.43885	-0.2843	0.272	0.25	1	HC_vs_MS.Trt_B
C10orf95	0.44091	-0.3548	0.162	0.18	1	HC_vs_MS.Trt_B
ITM2A	0.44263	-0.301	0.219	0.24	1	HC_vs_MS.Trt_B
KIAA0556	0.44476	0.63812	0.259	0.24	1	HC_vs_MS.Trt_B
LSM4	0.44595	-0.2996	0.165	0.15	1	HC_vs_MS.Trt_B
DCUN1D4	0.446	-0.3418	0.249	0.23	1	HC_vs_MS.Trt_B
ENY2	0.45026	-0.9656	0.525	0.48	1	HC_vs_MS.Trt_B
DNAJC4	0.45059	0.2875	0.117	0.11	1	HC_vs_MS.Trt_B
TSPYL2	0.45213	-0.4253	0.152	0.17	1	HC_vs_MS.Trt_B
SLC35F2	0.45386	-0.7933	0.219	0.2	1	HC_vs_MS.Trt_B
SNRPE	0.45452	-0.389	0.11	0.1	1	HC_vs_MS.Trt_B
FLNB	0.45609	0.39493	0.428	0.41	1	HC_vs_MS.Trt_B
FAM21A	0.45921	-0.3731	0.206	0.19	1	HC_vs_MS.Trt_B
RPP21	0.46351	-0.5125	0.112	0.12	1	HC_vs_MS.Trt_B
DNAJC3	0.46586	-0.625	0.458	0.42	1	HC_vs_MS.Trt_B
R3HDM2	0.467	-0.4426	0.78	0.76	1	HC_vs_MS.Trt_B
RBMXL1	0.4686	0.79527	0.12	0.11	1	HC_vs_MS.Trt_B
BCAS2	0.46942	-0.494	0.162	0.14	1	HC_vs_MS.Trt_B
NSMCE4A	0.47186	-0.4191	0.32	0.3	1	HC_vs_MS.Trt_B
DUT	0.47282	-0.4047	0.133	0.12	1	HC_vs_MS.Trt_B
ENO1	0.47335	-0.2618	0.377	0.4	1	HC_vs_MS.Trt_B
FAM76A	0.47351	-0.71	0.761	0.73	1	HC_vs_MS.Trt_B
IRF2BP2	0.47533	-0.6314	0.197	0.17	1	HC_vs_MS.Trt_B
RTCB	0.47537	0.53919	0.12	0.11	1	HC_vs_MS.Trt_B
WDR61	0.47541	-0.5335	0.13	0.15	1	HC_vs_MS.Trt_B
ELOVL1	0.47569	-0.2813	0.117	0.13	1	HC_vs_MS.Trt_B
ZC3H4	0.47655	-0.4328	0.312	0.29	1	HC_vs_MS.Trt_B
KYAT1	0.47749	-0.5926	0.12	0.11	1	HC_vs_MS.Trt_B
LIPA	0.47931	-0.3865	0.262	0.24	1	HC_vs_MS.Trt_B
ROMO1	0.48097	-0.4222	0.139	0.12	1	HC_vs_MS.Trt_B
CWC27	0.48151	-0.2727	0.101	0.09	1	HC_vs_MS.Trt_B
SNRPA	0.48204	-0.3158	0.288	0.27	1	HC_vs_MS.Trt_B
LPCAT3	0.48409	0.66225	0.409	0.39	1	HC_vs_MS.Trt_B

PPP2R5E	0.48417	-0.2558	0.188	0.17	1	HC_vs_MS.Trt_B
PPID	0.4844	-0.6229	0.352	0.39	1	HC_vs_MS.Trt_B
HSPE1	0.48494	-0.6836	0.23	0.24	1	HC_vs_MS.Trt_B
MAP1LC3B	0.48534	-0.4572	0.303	0.27	1	HC_vs_MS.Trt_B
STRA13	0.48572	-0.479	0.09	0.1	1	HC_vs_MS.Trt_B
ZIK1	0.48608	0.38773	0.262	0.25	1	HC_vs_MS.Trt_B
MCRS1	0.48673	-0.3424	0.161	0.14	1	HC_vs_MS.Trt_B
NIPAL2	0.48722	-1.0594	0.281	0.26	1	HC_vs_MS.Trt_B
TRIM26	0.48746	-0.2635	0.157	0.14	1	HC_vs_MS.Trt_B
PEPD	0.48858	0.29322	0.104	0.09	1	HC_vs_MS.Trt_B
EAPP	0.48906	-0.2959	0.203	0.19	1	HC_vs_MS.Trt_B
MTRR	0.49029	-0.3629	0.133	0.15	1	HC_vs_MS.Trt_B
MTHFS	0.49156	-0.489	0.138	0.12	1	HC_vs_MS.Trt_B
SOCS2	0.49241	0.31562	0.346	0.33	1	HC_vs_MS.Trt_B
URI1	0.49315	-0.5816	0.187	0.17	1	HC_vs_MS.Trt_B
TIA1	0.49365	-0.3018	0.216	0.2	1	HC_vs_MS.Trt_B
MCM5	0.4941	-0.3719	0.164	0.15	1	HC_vs_MS.Trt_B
TOB1	0.49531	-0.2575	0.486	0.46	1	HC_vs_MS.Trt_B
MYDGF	0.49729	-0.3147	0.113	0.1	1	HC_vs_MS.Trt_B
PPIB	0.499	-0.3347	0.677	0.63	1	HC_vs_MS.Trt_B
JCHAIN	0.50069	-0.424	0.114	0.1	1	HC_vs_MS.Trt_B
MED10	0.50073	-0.3468	0.217	0.2	1	HC_vs_MS.Trt_B
NCOA2	0.5017	-0.2595	0.201	0.18	1	HC_vs_MS.Trt_B
PRPF39	0.50186	-0.3575	0.258	0.24	1	HC_vs_MS.Trt_B
E4F1	0.5028	-0.4897	0.094	0.11	1	HC_vs_MS.Trt_B
DDIT4	0.50372	0.32257	0.132	0.12	1	HC_vs_MS.Trt_B
HNRNPD	0.50388	-0.2612	0.225	0.21	1	HC_vs_MS.Trt_B
FAM69A	0.50457	-0.3541	0.106	0.09	1	HC_vs_MS.Trt_B
FIGNL1	0.50499	1.36288	0.114	0.11	1	HC_vs_MS.Trt_B
S1PR1	0.50523	-0.2739	0.516	0.48	1	HC_vs_MS.Trt_B
TSPO	0.50744	-0.2519	0.271	0.25	1	HC_vs_MS.Trt_B
PPOX	0.50746	-0.3289	0.216	0.2	1	HC_vs_MS.Trt_B
KIF22	0.50748	-0.4238	0.188	0.17	1	HC_vs_MS.Trt_B
TRMT61B	0.50794	-0.2574	0.107	0.1	1	HC_vs_MS.Trt_B
DCP1B	0.50986	-0.4912	0.133	0.15	1	HC_vs_MS.Trt_B
CHMP3	0.51036	-0.4617	0.299	0.27	1	HC_vs_MS.Trt_B
CTDSP1	0.51069	-0.2923	0.165	0.15	1	HC_vs_MS.Trt_B
FAHD2B	0.51334	-0.312	0.112	0.1	1	HC_vs_MS.Trt_B
RIC8B	0.51347	-0.4734	0.123	0.11	1	HC_vs_MS.Trt_B
PTEN	0.51368	-0.3141	0.478	0.45	1	HC_vs_MS.Trt_B

PEX19	0.51452	-0.2716	0.093	0.11	1	HC_vs_MS.Trt_B
RPL35	0.51475	-0.3014	0.759	0.66	1	HC_vs_MS.Trt_B
AGAP6	0.51545	-0.5934	0.101	0.09	1	HC_vs_MS.Trt_B
OSGEPL1	0.51641	-0.4916	0.245	0.26	1	HC_vs_MS.Trt_B
ST20	0.51675	-0.5247	0.146	0.16	1	HC_vs_MS.Trt_B
RANBP9	0.51893	-0.5507	0.186	0.17	1	HC_vs_MS.Trt_B
UBE2V1	0.5208	-0.2785	0.391	0.37	1	HC_vs_MS.Trt_B
PIP4K2A	0.52098	-0.4196	0.741	0.7	1	HC_vs_MS.Trt_B
BMPR1B	0.52169	-1.3557	0.122	0.11	1	HC_vs_MS.Trt_B
TMEM143	0.52269	0.69885	0.465	0.44	1	HC_vs_MS.Trt_B
RAP1GDS1	0.523	-0.4927	0.338	0.34	1	HC_vs_MS.Trt_B
DNAJB4	0.5261	0.6764	0.284	0.27	1	HC_vs_MS.Trt_B
ITGA5	0.52684	-0.5776	0.103	0.11	1	HC_vs_MS.Trt_B
PYURF	0.52878	-0.3217	0.171	0.16	1	HC_vs_MS.Trt_B
PPIE	0.5291	-0.7029	0.752	0.67	1	HC_vs_MS.Trt_B
RGSL1	0.52911	-0.3216	0.158	0.17	1	HC_vs_MS.Trt_B
BACL2	0.52926	0.37087	0.188	0.18	1	HC_vs_MS.Trt_B
AMFR	0.53089	0.45533	0.514	0.5	1	HC_vs_MS.Trt_B
GLIPR2	0.53304	-0.5271	0.196	0.17	1	HC_vs_MS.Trt_B
PSMB10	0.53629	-0.3214	0.37	0.34	1	HC_vs_MS.Trt_B
ANKRA2	0.53676	-0.5576	0.11	0.1	1	HC_vs_MS.Trt_B
LARP7	0.53743	-0.5466	0.172	0.19	1	HC_vs_MS.Trt_B
ARNTL	0.53925	-0.3099	0.191	0.18	1	HC_vs_MS.Trt_B
RDX	0.53925	-0.5092	0.236	0.22	1	HC_vs_MS.Trt_B
RP11-701H2	0.54011	0.27917	0.109	0.1	1	HC_vs_MS.Trt_B
SEC61B	0.54028	-0.2853	0.159	0.17	1	HC_vs_MS.Trt_B
CREBZF	0.54117	-0.4513	0.167	0.15	1	HC_vs_MS.Trt_B
ARPC1A	0.54395	-0.312	0.23	0.22	1	HC_vs_MS.Trt_B
LRRC56	0.54498	0.52293	0.38	0.38	1	HC_vs_MS.Trt_B
IFI27L2	0.54984	-0.8044	0.142	0.13	1	HC_vs_MS.Trt_B
CEP120	0.5506	-1.0442	0.094	0.11	1	HC_vs_MS.Trt_B
RHBDD2	0.5519	-0.3352	0.226	0.21	1	HC_vs_MS.Trt_B
MFSD10	0.55195	-0.4193	0.107	0.12	1	HC_vs_MS.Trt_B
RP11-411B6	0.55447	0.58215	0.219	0.21	1	HC_vs_MS.Trt_B
S100A11	0.55564	-0.35	0.301	0.28	1	HC_vs_MS.Trt_B
EMD	0.55844	0.33454	0.194	0.19	1	HC_vs_MS.Trt_B
VDAC2	0.55856	-0.5062	0.235	0.25	1	HC_vs_MS.Trt_B
IMPDH1	0.55889	-0.6627	0.101	0.09	1	HC_vs_MS.Trt_B
RBX1	0.56432	-0.7399	0.23	0.24	1	HC_vs_MS.Trt_B
ECSIT	0.56548	-0.325	0.365	0.35	1	HC_vs_MS.Trt_B

UBXN11	0.56587	-0.4951	0.138	0.15	1	HC_vs_MS.Trt_B
SCAND1	0.56715	-0.3839	0.188	0.17	1	HC_vs_MS.Trt_B
NDUFA1	0.56853	-0.5768	0.209	0.22	1	HC_vs_MS.Trt_B
BLVRA	0.56895	-0.3137	0.103	0.11	1	HC_vs_MS.Trt_B
DCUN1D3	0.57021	0.7153	0.139	0.13	1	HC_vs_MS.Trt_B
CWC15	0.57066	-0.4784	0.19	0.2	1	HC_vs_MS.Trt_B
RNF123	0.57118	-0.3807	0.1	0.11	1	HC_vs_MS.Trt_B
STON1	0.57353	-0.9519	0.301	0.28	1	HC_vs_MS.Trt_B
POLR2J	0.57542	-0.4244	0.152	0.17	1	HC_vs_MS.Trt_B
DAXX	0.57623	-0.5466	0.18	0.19	1	HC_vs_MS.Trt_B
AMPH	0.57638	-0.5164	0.136	0.13	1	HC_vs_MS.Trt_B
UNG	0.57817	0.55738	0.2	0.19	1	HC_vs_MS.Trt_B
ZNF658	0.58071	-0.8458	0.175	0.16	1	HC_vs_MS.Trt_B
EHBP1	0.58075	-0.6674	0.354	0.34	1	HC_vs_MS.Trt_B
UCHL3	0.58375	-0.5272	0.104	0.09	1	HC_vs_MS.Trt_B
EWSR1	0.58424	-0.2887	0.499	0.47	1	HC_vs_MS.Trt_B
ROBO4	0.58496	-0.2676	0.133	0.15	1	HC_vs_MS.Trt_B
ZNF93	0.58807	-0.7837	0.532	0.5	1	HC_vs_MS.Trt_B
RGS10	0.58912	-0.3126	0.177	0.17	1	HC_vs_MS.Trt_B
COPS9	0.58968	-0.5191	0.113	0.12	1	HC_vs_MS.Trt_B
CTD-2370N5	0.59188	-0.252	0.101	0.09	1	HC_vs_MS.Trt_B
IFIT3	0.59505	0.45533	0.43	0.47	1	HC_vs_MS.Trt_B
RIC1	0.59505	0.56818	0.103	0.1	1	HC_vs_MS.Trt_B
MAN1C1	0.59525	-0.2956	0.867	0.83	1	HC_vs_MS.Trt_B
HERPUD1	0.59701	-0.6369	0.643	0.63	1	HC_vs_MS.Trt_B
CCNG2	0.59791	-0.4841	0.265	0.25	1	HC_vs_MS.Trt_B
CAMTA1	0.60116	-0.6354	0.116	0.11	1	HC_vs_MS.Trt_B
SELT	0.602	-0.3705	0.306	0.29	1	HC_vs_MS.Trt_B
SRSF6	0.60201	-0.456	0.607	0.6	1	HC_vs_MS.Trt_B
PDE6D	0.6022	-0.3772	0.1	0.11	1	HC_vs_MS.Trt_B
GNG5	0.6025	-0.5272	0.18	0.19	1	HC_vs_MS.Trt_B
FNTB	0.60311	0.64082	0.126	0.12	1	HC_vs_MS.Trt_B
LIAS	0.60342	0.38445	0.094	0.11	1	HC_vs_MS.Trt_B
ADSSL1	0.60727	0.26256	0.257	0.24	1	HC_vs_MS.Trt_B
ATP6V0E1	0.60773	-0.5091	0.27	0.24	1	HC_vs_MS.Trt_B
THEMIS	0.60784	0.42457	0.194	0.18	1	HC_vs_MS.Trt_B
QARS	0.60852	-0.3279	0.177	0.19	1	HC_vs_MS.Trt_B
MGST2	0.60868	-0.4223	0.157	0.15	1	HC_vs_MS.Trt_B
SDHB	0.61354	-0.6987	0.112	0.12	1	HC_vs_MS.Trt_B
SRI	0.61516	-0.5997	0.367	0.34	1	HC_vs_MS.Trt_B

SH3RF2	0.6164	0.26231	0.165	0.16	1	HC_vs_MS.Trt_B
TXN	0.61641	-0.3903	0.19	0.17	1	HC_vs_MS.Trt_B
ATG5	0.61849	-0.2872	0.116	0.13	1	HC_vs_MS.Trt_B
PUS3	0.62098	0.5735	0.31	0.3	1	HC_vs_MS.Trt_B
DUSP11	0.62158	-0.3133	0.519	0.52	1	HC_vs_MS.Trt_B
ATP5L	0.62422	-0.5071	0.375	0.37	1	HC_vs_MS.Trt_B
HEXDC	0.62423	-0.4042	0.338	0.31	1	HC_vs_MS.Trt_B
DNAJB11	0.62472	-0.2804	0.142	0.13	1	HC_vs_MS.Trt_B
CRYGS	0.62683	-1.1184	0.217	0.2	1	HC_vs_MS.Trt_B
HMG2	0.62744	-0.3195	0.6	0.59	1	HC_vs_MS.Trt_B
AC012314.1	0.6312	-0.2953	0.117	0.12	1	HC_vs_MS.Trt_B
AC012314.1	0.6312	-0.2953	0.117	0.12	1	HC_vs_MS.Trt_B
AC012314.1	0.6312	-0.2953	0.117	0.12	1	HC_vs_MS.Trt_B
AC012314.1	0.6312	-0.2953	0.117	0.12	1	HC_vs_MS.Trt_B
AC012314.3	0.6312	-0.2953	0.117	0.12	1	HC_vs_MS.Trt_B
AC012314.6	0.6312	-0.2953	0.117	0.12	1	HC_vs_MS.Trt_B
AC012314.7	0.6312	-0.2953	0.117	0.12	1	HC_vs_MS.Trt_B
AC012314.9	0.6312	-0.2953	0.117	0.12	1	HC_vs_MS.Trt_B
CASP2	0.63245	-0.5194	0.793	0.73	1	HC_vs_MS.Trt_B
ADCY1	0.63259	0.50803	0.135	0.13	1	HC_vs_MS.Trt_B
MED23	0.63265	-0.3339	0.213	0.2	1	HC_vs_MS.Trt_B
RPF1	0.63274	-0.904	0.232	0.21	1	HC_vs_MS.Trt_B
SELK	0.63334	-0.8022	0.342	0.33	1	HC_vs_MS.Trt_B
XPO4	0.63765	-0.2862	0.112	0.1	1	HC_vs_MS.Trt_B
CLOCK	0.63822	-0.4209	0.123	0.12	1	HC_vs_MS.Trt_B
ACAT2	0.63977	-0.5792	0.22	0.21	1	HC_vs_MS.Trt_B
HDDC3	0.6409	0.44149	0.306	0.29	1	HC_vs_MS.Trt_B
GK	0.64103	-1.3677	0.126	0.13	1	HC_vs_MS.Trt_B
NCF4	0.6421	-0.6234	0.161	0.15	1	HC_vs_MS.Trt_B
EIF2S1	0.64303	-0.6687	0.258	0.23	1	HC_vs_MS.Trt_B
NHP2	0.64514	-0.2771	0.172	0.16	1	HC_vs_MS.Trt_B
VAPB	0.64638	0.31215	0.157	0.15	1	HC_vs_MS.Trt_B
ZNF586	0.6471	-0.3549	0.149	0.14	1	HC_vs_MS.Trt_B
ZNF146	0.6485	-0.4303	0.164	0.15	1	HC_vs_MS.Trt_B
SDAD1	0.64982	-0.3056	0.138	0.13	1	HC_vs_MS.Trt_B
FAM134A	0.65143	-0.5732	0.383	0.39	1	HC_vs_MS.Trt_B
POLE4	0.65147	-0.3219	0.097	0.11	1	HC_vs_MS.Trt_B
JAKMIP1	0.65251	-0.388	0.175	0.16	1	HC_vs_MS.Trt_B
FBXL3	0.65286	-0.5934	0.104	0.1	1	HC_vs_MS.Trt_B
MIB1	0.65294	0.34029	0.101	0.09	1	HC_vs_MS.Trt_B

SCMH1	0.65511	0.29844	0.104	0.1	1	HC_vs_MS.Trt_B
REXO2	0.65766	-0.434	0.139	0.15	1	HC_vs_MS.Trt_B
ASB13	0.65873	-1.0372	0.097	0.11	1	HC_vs_MS.Trt_B
IL17RC	0.65914	-0.5543	0.336	0.33	1	HC_vs_MS.Trt_B
ERH	0.66177	-0.2662	0.201	0.19	1	HC_vs_MS.Trt_B
ALDH9A1	0.66356	-0.3726	0.11	0.12	1	HC_vs_MS.Trt_B
UBQLN1	0.6654	0.28614	0.177	0.17	1	HC_vs_MS.Trt_B
OSMR	0.66723	-0.5795	0.49	0.5	1	HC_vs_MS.Trt_B
CTIF	0.66894	0.90828	0.162	0.16	1	HC_vs_MS.Trt_B
GPM6B	0.66996	-0.3438	0.114	0.11	1	HC_vs_MS.Trt_B
SLC25A5	0.67055	-0.5626	0.278	0.26	1	HC_vs_MS.Trt_B
USP9Y	0.67239	0.85575	0.235	0.22	1	HC_vs_MS.Trt_B
HIST1H2AG	0.67561	0.79214	0.278	0.28	1	HC_vs_MS.Trt_B
PRDX2	0.67675	-0.6377	0.212	0.22	1	HC_vs_MS.Trt_B
ITPA	0.67769	-0.3388	0.113	0.11	1	HC_vs_MS.Trt_B
GMMPR	0.67814	-0.6053	0.348	0.32	1	HC_vs_MS.Trt_B
APOL3	0.67865	0.37484	0.199	0.19	1	HC_vs_MS.Trt_B
ATP1B1	0.67913	0.43011	0.161	0.17	1	HC_vs_MS.Trt_B
UQCRFS1	0.67993	-0.3498	0.229	0.21	1	HC_vs_MS.Trt_B
DEDD2	0.68073	-0.4394	0.312	0.3	1	HC_vs_MS.Trt_B
IMP4	0.6832	-0.3023	0.165	0.17	1	HC_vs_MS.Trt_B
ARGLU1	0.687	-0.4052	0.667	0.61	1	HC_vs_MS.Trt_B
POMP	0.69018	-0.5956	0.167	0.17	1	HC_vs_MS.Trt_B
UPK1B	0.69085	-0.2696	0.397	0.41	1	HC_vs_MS.Trt_B
UBASH3A	0.69181	-0.5841	0.183	0.17	1	HC_vs_MS.Trt_B
TTC39C	0.69232	-0.496	0.819	0.76	1	HC_vs_MS.Trt_B
CLIC1	0.69249	-0.4994	0.543	0.53	1	HC_vs_MS.Trt_B
KCNAB3	0.69278	-0.9851	0.343	0.33	1	HC_vs_MS.Trt_B
SRRT	0.69334	0.3753	0.145	0.14	1	HC_vs_MS.Trt_B
NME1	0.69408	-0.4318	0.542	0.58	1	HC_vs_MS.Trt_B
CALHM2	0.69602	-0.3172	0.122	0.13	1	HC_vs_MS.Trt_B
ADNP	0.69751	-0.534	0.438	0.42	1	HC_vs_MS.Trt_B
CYB5R3	0.70436	-0.5001	0.474	0.45	1	HC_vs_MS.Trt_B
PSMA7	0.70485	-0.4787	0.367	0.36	1	HC_vs_MS.Trt_B
HLA-DRA	0.70609	-0.6379	0.116	0.12	1	HC_vs_MS.Trt_B
RPL36AL	0.70713	-0.3409	0.467	0.44	1	HC_vs_MS.Trt_B
THOC7	0.7084	-0.6083	0.145	0.13	1	HC_vs_MS.Trt_B
PNN	0.70905	-0.4421	0.246	0.25	1	HC_vs_MS.Trt_B
RPE	0.71319	-0.4398	0.288	0.28	1	HC_vs_MS.Trt_B
CLEC18A	0.71371	0.62635	0.281	0.27	1	HC_vs_MS.Trt_B

EIF6	0.71535	-0.4229	0.125	0.13	1	HC_vs_MS.Trt_B
KIF20B	0.7161	-0.5375	0.119	0.11	1	HC_vs_MS.Trt_B
DBN1	0.71725	0.41175	0.217	0.21	1	HC_vs_MS.Trt_B
PER1	0.71814	0.30326	0.332	0.34	1	HC_vs_MS.Trt_B
RUVBL1	0.71867	-0.3746	0.643	0.63	1	HC_vs_MS.Trt_B
MDH2	0.71968	-0.3656	0.18	0.19	1	HC_vs_MS.Trt_B
ACAD9	0.71987	-0.6002	0.248	0.24	1	HC_vs_MS.Trt_B
HMGB2	0.72067	-0.3162	0.22	0.21	1	HC_vs_MS.Trt_B
BIN1	0.72095	-0.443	0.262	0.26	1	HC_vs_MS.Trt_B
GTF2F1	0.72243	-1.0197	0.268	0.25	1	HC_vs_MS.Trt_B
BAZ1B	0.72318	-0.2614	0.168	0.16	1	HC_vs_MS.Trt_B
CEACAM1	0.72326	0.87368	0.79	0.82	1	HC_vs_MS.Trt_B
RBBP6	0.72382	-0.4584	0.22	0.21	1	HC_vs_MS.Trt_B
EDEM3	0.72492	-0.3301	0.274	0.27	1	HC_vs_MS.Trt_B
CEP128	0.7274	-0.4053	0.183	0.17	1	HC_vs_MS.Trt_B
ADHFE1	0.72812	-0.5579	0.129	0.12	1	HC_vs_MS.Trt_B
TTC1	0.72867	-0.6243	0.151	0.16	1	HC_vs_MS.Trt_B
PTPN6	0.73243	-0.3198	0.328	0.31	1	HC_vs_MS.Trt_B
TMEM104	0.73263	-0.2713	0.1	0.11	1	HC_vs_MS.Trt_B
MIF	0.73394	-0.6112	0.361	0.35	1	HC_vs_MS.Trt_B
FAM96B	0.73537	-0.4901	0.172	0.16	1	HC_vs_MS.Trt_B
PVRIG	0.73558	-0.5279	0.267	0.25	1	HC_vs_MS.Trt_B
AP1G2	0.73583	-0.2926	0.661	0.61	1	HC_vs_MS.Trt_B
ASF1A	0.7368	-0.6534	0.141	0.13	1	HC_vs_MS.Trt_B
MTG1	0.73727	-0.2694	0.148	0.14	1	HC_vs_MS.Trt_B
ARL6IP6	0.73792	-0.2833	0.103	0.1	1	HC_vs_MS.Trt_B
RECQL	0.73811	0.30821	0.128	0.12	1	HC_vs_MS.Trt_B
IFITM1	0.73925	-0.2578	0.583	0.54	1	HC_vs_MS.Trt_B
CXCR3	0.73937	-0.5017	0.103	0.1	1	HC_vs_MS.Trt_B
WASF2	0.74242	-0.2518	0.509	0.48	1	HC_vs_MS.Trt_B
MRPS34	0.74249	-0.3757	0.138	0.14	1	HC_vs_MS.Trt_B
RSL24D1	0.74358	-0.4274	0.249	0.24	1	HC_vs_MS.Trt_B
ZNF211	0.74644	-0.5984	0.152	0.16	1	HC_vs_MS.Trt_B
MPV17L2	0.74823	-0.8949	0.174	0.16	1	HC_vs_MS.Trt_B
ZC2HC1C	0.74984	0.45847	0.109	0.1	1	HC_vs_MS.Trt_B
CCHCR1	0.7505	-0.5615	0.293	0.29	1	HC_vs_MS.Trt_B
MRPL41	0.75219	-0.7185	0.128	0.13	1	HC_vs_MS.Trt_B
ZNF236	0.75459	-0.4044	0.106	0.11	1	HC_vs_MS.Trt_B
FAM96A	0.75478	-0.3734	0.312	0.3	1	HC_vs_MS.Trt_B
HOMEZ	0.75478	-0.6681	0.183	0.19	1	HC_vs_MS.Trt_B



AATF	0.75597	-0.3126	0.165	0.16	1	HC_vs_MS.Trt_B
LSM2	0.757	-0.2589	0.125	0.12	1	HC_vs_MS.Trt_B
RRAGD	0.75773	0.37302	0.119	0.11	1	HC_vs_MS.Trt_B
ARID4A	0.75869	-0.3809	0.278	0.27	1	HC_vs_MS.Trt_B
NOMO1	0.76268	0.51463	0.116	0.11	1	HC_vs_MS.Trt_B
E2F6	0.76309	0.97152	0.217	0.22	1	HC_vs_MS.Trt_B
MT1X	0.76347	-0.6662	0.101	0.1	1	HC_vs_MS.Trt_B
ADAM19	0.7659	-0.3198	0.319	0.31	1	HC_vs_MS.Trt_B
SERF2	0.76628	-0.4493	0.799	0.69	1	HC_vs_MS.Trt_B
ZNF92	0.76777	0.5733	0.1	0.11	1	HC_vs_MS.Trt_B
GLTP	0.76912	-0.2672	0.583	0.58	1	HC_vs_MS.Trt_B
COX6A1	0.76981	-0.3424	0.113	0.11	1	HC_vs_MS.Trt_B
TRAF2	0.77014	-0.2813	0.161	0.15	1	HC_vs_MS.Trt_B
MLF2	0.77073	-0.3094	0.152	0.14	1	HC_vs_MS.Trt_B
TBC1D13	0.77093	0.47667	0.109	0.12	1	HC_vs_MS.Trt_B
CTNNB1	0.77099	-0.4572	0.532	0.5	1	HC_vs_MS.Trt_B
RP11-599B1	0.7719	-0.2861	0.259	0.25	1	HC_vs_MS.Trt_B
STOM	0.77639	-0.5119	0.577	0.53	1	HC_vs_MS.Trt_B
PPP2R5A	0.77726	-0.4097	0.187	0.19	1	HC_vs_MS.Trt_B
TBPL1	0.77925	-0.7016	0.188	0.18	1	HC_vs_MS.Trt_B
TMED4	0.78052	-0.3416	0.913	0.86	1	HC_vs_MS.Trt_B
PDCD10	0.78083	-0.532	0.174	0.17	1	HC_vs_MS.Trt_B
MRPS14	0.78093	-0.8647	0.116	0.11	1	HC_vs_MS.Trt_B
MCM7	0.78375	-0.4015	0.18	0.18	1	HC_vs_MS.Trt_B
POLR2J2	0.78731	-0.4108	0.261	0.27	1	HC_vs_MS.Trt_B
ATG9B	0.7875	0.29092	0.122	0.12	1	HC_vs_MS.Trt_B
MAP3K3	0.78875	-0.2536	0.142	0.15	1	HC_vs_MS.Trt_B
ANP32E	0.7892	-0.4316	0.384	0.37	1	HC_vs_MS.Trt_B
ARHGAP44	0.7918	0.54941	0.242	0.24	1	HC_vs_MS.Trt_B
TOMM5	0.79573	-0.4396	0.135	0.14	1	HC_vs_MS.Trt_B
PLA2G4E	0.79586	-0.3421	0.114	0.11	1	HC_vs_MS.Trt_B
GRAMD1B	0.79586	-0.4247	0.299	0.29	1	HC_vs_MS.Trt_B
SAFB	0.79625	-0.3428	0.345	0.35	1	HC_vs_MS.Trt_B
MLX	0.79666	-0.2716	0.399	0.41	1	HC_vs_MS.Trt_B
DVL3	0.79793	-0.5104	0.235	0.23	1	HC_vs_MS.Trt_B
BTBD8	0.79793	-0.6482	0.293	0.29	1	HC_vs_MS.Trt_B
TRMT1	0.7992	-0.2787	0.129	0.12	1	HC_vs_MS.Trt_B
TCEB2	0.8029	-0.4625	0.301	0.28	1	HC_vs_MS.Trt_B
KCNJ3	0.80403	0.29926	0.214	0.22	1	HC_vs_MS.Trt_B
RAB5A	0.80627	-0.5476	0.113	0.11	1	HC_vs_MS.Trt_B

THOC1	0.8075	0.37019	0.19	0.19	1	HC_vs_MS.Trt_B
ATP6V1G1	0.80756	-0.4783	0.426	0.4	1	HC_vs_MS.Trt_B
NPM1	0.81214	-0.35	0.648	0.58	1	HC_vs_MS.Trt_B
PHPT1	0.81231	-0.6846	0.106	0.11	1	HC_vs_MS.Trt_B
ZNF836	0.81334	-0.8247	0.161	0.16	1	HC_vs_MS.Trt_B
ZNF641	0.81468	-0.2796	0.383	0.37	1	HC_vs_MS.Trt_B
UBE2L3	0.81591	-0.4069	0.241	0.23	1	HC_vs_MS.Trt_B
ZNF14	0.81595	-0.3654	0.32	0.31	1	HC_vs_MS.Trt_B
H2AFZ	0.81712	-0.3831	0.333	0.31	1	HC_vs_MS.Trt_B
TCEAL8	0.8173	-0.3705	0.109	0.11	1	HC_vs_MS.Trt_B
GNG10	0.81877	-1.0673	0.11	0.11	1	HC_vs_MS.Trt_B
TMEM173	0.81939	-0.4372	0.201	0.19	1	HC_vs_MS.Trt_B
DHX35	0.81941	-0.4381	0.339	0.33	1	HC_vs_MS.Trt_B
PSMD7	0.82067	-0.4314	0.275	0.27	1	HC_vs_MS.Trt_B
CKLF	0.82077	-0.2701	0.148	0.14	1	HC_vs_MS.Trt_B
CASP1	0.82417	-0.4325	0.196	0.19	1	HC_vs_MS.Trt_B
TM9SF3	0.82642	-0.3434	0.11	0.11	1	HC_vs_MS.Trt_B
DDIAS	0.82912	0.41437	0.355	0.35	1	HC_vs_MS.Trt_B
NDUFC1	0.83028	-0.3279	0.2	0.21	1	HC_vs_MS.Trt_B
SNRPD2	0.83171	-0.6707	0.51	0.48	1	HC_vs_MS.Trt_B
CNOT8	0.83205	-0.3199	0.225	0.22	1	HC_vs_MS.Trt_B
UQCR10	0.83261	-0.8671	0.288	0.28	1	HC_vs_MS.Trt_B
RPS20	0.83665	-0.2957	0.791	0.76	1	HC_vs_MS.Trt_B
BANF1	0.83677	-0.5007	0.181	0.18	1	HC_vs_MS.Trt_B
PITPNB	0.83677	-0.4113	0.161	0.17	1	HC_vs_MS.Trt_B
NOL7	0.83696	-0.3384	0.199	0.19	1	HC_vs_MS.Trt_B
MAP1LC3B2	0.83705	-0.6664	0.206	0.2	1	HC_vs_MS.Trt_B
NPEPL1	0.83935	-0.6453	0.11	0.11	1	HC_vs_MS.Trt_B
MYL12B	0.83958	-0.2565	0.459	0.45	1	HC_vs_MS.Trt_B
ACSL6	0.84192	-0.385	0.509	0.55	1	HC_vs_MS.Trt_B
ARL6IP4	0.84569	-0.4064	0.284	0.28	1	HC_vs_MS.Trt_B
DHX9	0.8479	-0.4538	0.194	0.19	1	HC_vs_MS.Trt_B
PNPLA6	0.84911	-0.3858	0.126	0.13	1	HC_vs_MS.Trt_B
FAM172A	0.84937	-0.3017	0.11	0.11	1	HC_vs_MS.Trt_B
MKRN3	0.85232	0.97805	0.452	0.46	1	HC_vs_MS.Trt_B
MVB12A	0.85237	-0.5054	0.514	0.5	1	HC_vs_MS.Trt_B
ATP6V0B	0.85724	-0.2732	0.145	0.15	1	HC_vs_MS.Trt_B
ATP5G1	0.85753	-0.484	0.228	0.23	1	HC_vs_MS.Trt_B
PSMB5	0.85768	-0.2956	0.099	0.1	1	HC_vs_MS.Trt_B
KLHL3	0.858	-0.5751	0.184	0.19	1	HC_vs_MS.Trt_B

RNF13	0.85982	-0.7176	0.135	0.13	1	HC_vs_MS.Trt_B
PSMB8	0.86011	-0.2844	0.346	0.34	1	HC_vs_MS.Trt_B
SNRPC	0.86389	-0.3629	0.172	0.18	1	HC_vs_MS.Trt_B
NUDT7	0.87024	-0.4303	0.177	0.18	1	HC_vs_MS.Trt_B
SFT2D1	0.8727	-0.5488	0.307	0.31	1	HC_vs_MS.Trt_B
PIP4K2B	0.87291	-1.1766	0.107	0.1	1	HC_vs_MS.Trt_B
SRP9	0.87526	-0.5843	0.345	0.34	1	HC_vs_MS.Trt_B
MORF4L2	0.87924	-0.356	0.155	0.16	1	HC_vs_MS.Trt_B
AKIRIN2	0.8799	-0.2867	0.132	0.14	1	HC_vs_MS.Trt_B
RNF43	0.88037	-0.7798	0.296	0.28	1	HC_vs_MS.Trt_B
CHKB	0.8811	-0.7973	0.186	0.19	1	HC_vs_MS.Trt_B
VAMP8	0.88772	-0.5324	0.233	0.23	1	HC_vs_MS.Trt_B
SH2D1A	0.89053	-0.4377	0.159	0.16	1	HC_vs_MS.Trt_B
PDIA6	0.89096	-0.3848	0.177	0.17	1	HC_vs_MS.Trt_B
ZNF302	0.89558	-0.4551	0.426	0.42	1	HC_vs_MS.Trt_B
NDUFB7	0.89769	-0.5474	0.155	0.15	1	HC_vs_MS.Trt_B
TAF7	0.90261	-0.4681	0.291	0.29	1	HC_vs_MS.Trt_B
AIP	0.90516	-0.2938	0.228	0.22	1	HC_vs_MS.Trt_B
CXorf57	0.90635	-1.6091	0.11	0.11	1	HC_vs_MS.Trt_B
CNN3	0.90808	0.39524	0.165	0.16	1	HC_vs_MS.Trt_B
PPT1	0.90887	-0.4009	0.168	0.17	1	HC_vs_MS.Trt_B
HDHD2	0.9117	-0.613	0.114	0.11	1	HC_vs_MS.Trt_B
SMG7	0.91629	-0.3804	0.162	0.16	1	HC_vs_MS.Trt_B
CCT4	0.91699	-0.3594	0.18	0.18	1	HC_vs_MS.Trt_B
B3GAT2	0.91855	0.48944	0.151	0.15	1	HC_vs_MS.Trt_B
ZCRB1	0.92007	-0.4711	0.146	0.14	1	HC_vs_MS.Trt_B
LBR	0.92088	-0.3165	0.206	0.2	1	HC_vs_MS.Trt_B
TEX264	0.92183	-0.321	0.154	0.15	1	HC_vs_MS.Trt_B
TRAPPC13	0.92364	0.37685	0.145	0.15	1	HC_vs_MS.Trt_B
ZNF180	0.92425	-0.4197	0.332	0.34	1	HC_vs_MS.Trt_B
BCAP31	0.9254	0.28206	0.122	0.12	1	HC_vs_MS.Trt_B
TMEM256-P	0.92984	-0.2573	0.514	0.48	1	HC_vs_MS.Trt_B
OPA1	0.92986	0.3454	0.122	0.12	1	HC_vs_MS.Trt_B
CCDC59	0.93211	-0.2786	0.114	0.11	1	HC_vs_MS.Trt_B
EFHB	0.93376	-0.3147	0.249	0.25	1	HC_vs_MS.Trt_B
SDC3	0.93381	0.38095	0.268	0.27	1	HC_vs_MS.Trt_B
ANKLE1	0.93978	-0.2948	0.154	0.16	1	HC_vs_MS.Trt_B
OSER1	0.9444	-0.747	0.157	0.16	1	HC_vs_MS.Trt_B
LONP1	0.94535	-0.4745	0.488	0.5	1	HC_vs_MS.Trt_B
ASIC4	0.94542	0.34553	0.21	0.21	1	HC_vs_MS.Trt_B

LYPLA2	0.94638	-0.3388	0.135	0.14	1	HC_vs_MS.Trt_B
AP1S2	0.94871	-0.4477	0.136	0.14	1	HC_vs_MS.Trt_B
CSNK1A1	0.9493	-0.2714	0.796	0.79	1	HC_vs_MS.Trt_B
PARG	0.95069	0.48191	0.104	0.11	1	HC_vs_MS.Trt_B
CTBS	0.95382	-0.6598	0.125	0.13	1	HC_vs_MS.Trt_B
WDR48	0.95399	-0.2643	0.129	0.13	1	HC_vs_MS.Trt_B
DCAF1	0.95415	-0.2876	0.172	0.17	1	HC_vs_MS.Trt_B
SPHK1	0.95464	0.33137	0.138	0.14	1	HC_vs_MS.Trt_B
GID8	0.95529	-0.4045	0.116	0.11	1	HC_vs_MS.Trt_B
CALM1	0.95657	-0.2662	0.816	0.73	1	HC_vs_MS.Trt_B
SULT1A4	0.95693	-0.4538	0.21	0.21	1	HC_vs_MS.Trt_B
CNKSR1	0.95804	0.68801	0.138	0.14	1	HC_vs_MS.Trt_B
NAXE	0.959	-0.2504	0.107	0.11	1	HC_vs_MS.Trt_B
CEP70	0.9601	-0.9363	0.123	0.13	1	HC_vs_MS.Trt_B
CRIP1	0.96586	-0.7464	0.296	0.28	1	HC_vs_MS.Trt_B
IDI1	0.9661	-0.2543	0.116	0.12	1	HC_vs_MS.Trt_B
EBP	0.96704	-0.3806	0.129	0.13	1	HC_vs_MS.Trt_B
NDUFA6	0.97005	-0.4228	0.188	0.19	1	HC_vs_MS.Trt_B
GOLGA7	0.97167	-0.4891	0.216	0.22	1	HC_vs_MS.Trt_B
NDUFS6	0.974	-0.6071	0.107	0.11	1	HC_vs_MS.Trt_B
ATP6V1F	0.97441	-0.4607	0.155	0.15	1	HC_vs_MS.Trt_B
VPS29	0.97461	-0.59	0.414	0.41	1	HC_vs_MS.Trt_B
MRPL33	0.97464	-0.5595	0.11	0.11	1	HC_vs_MS.Trt_B
KIAA0408	0.97496	-0.4025	0.27	0.28	1	HC_vs_MS.Trt_B
STK17B	0.97537	-0.4578	0.933	0.87	1	HC_vs_MS.Trt_B
SNRNP	0.97563	-0.4332	0.188	0.19	1	HC_vs_MS.Trt_B
C12orf29	0.97738	-0.4214	0.199	0.19	1	HC_vs_MS.Trt_B
CDV3	0.97756	-0.3511	0.188	0.19	1	HC_vs_MS.Trt_B
TBP	0.97798	-0.2551	0.314	0.31	1	HC_vs_MS.Trt_B
EMP3	0.97923	-0.293	0.507	0.46	1	HC_vs_MS.Trt_B
LTV1	0.98116	-0.2648	0.101	0.1	1	HC_vs_MS.Trt_B
PPP3CA	0.98156	-0.5552	0.425	0.42	1	HC_vs_MS.Trt_B
SNRNP40	0.9822	-0.2518	0.135	0.14	1	HC_vs_MS.Trt_B
SF3B4	0.98886	-0.3274	0.172	0.17	1	HC_vs_MS.Trt_B
BOP1	0.99337	0.52599	0.186	0.19	1	HC_vs_MS.Trt_B
SOD1	0.9937	-0.3507	0.646	0.64	1	HC_vs_MS.Trt_B
CCDC82	0.99403	-0.4972	0.129	0.13	1	HC_vs_MS.Trt_B
CHURC1-FN	0.99573	-0.4869	0.165	0.16	1	HC_vs_MS.Trt_B
PCSK5	2.08E-32	2.61124	0.994	0.93	3.32E-28	HC_vs_MS.NoTrt_F
MT-ND4L	1.15E-22	1.29296	0.974	1	1.84E-18	HC_vs_MS.NoTrt_F

ORC6	4.44E-21	1.1084	0.994	0.97	7.09E-17	HC_vs_MS.NoTrt_F
METTL21A	2.74E-17	1.0664	0.977	0.95	4.38E-13	HC_vs_MS.NoTrt_F
MORC4	3.02E-16	0.60796	1	0.99	4.83E-12	HC_vs_MS.NoTrt_F
RBPJ	2.20E-15	-0.3025	0.408	0.79	3.52E-11	HC_vs_MS.NoTrt_F
RAD21	4.64E-12	-0.9097	0.277	0.57	7.41E-08	HC_vs_MS.NoTrt_F
HS3ST3B1	6.41E-12	-0.7353	0.46	0.71	1.02E-07	HC_vs_MS.NoTrt_F
TYR	2.09E-11	-0.6736	0.205	0.46	3.34E-07	HC_vs_MS.NoTrt_F
C2CD3	5.02E-11	0.37303	1	0.99	8.02E-07	HC_vs_MS.NoTrt_F
ARHGEF18	5.46E-11	-0.3426	0.266	0.55	8.72E-07	HC_vs_MS.NoTrt_F
TMEM45A	1.90E-10	0.51473	1	0.99	3.04E-06	HC_vs_MS.NoTrt_F
RPS3A	2.75E-10	-0.3521	0.882	0.99	4.39E-06	HC_vs_MS.NoTrt_F
ARHGAP45	6.40E-10	-0.5341	0.61	0.87	1.02E-05	HC_vs_MS.NoTrt_F
MED15	7.14E-10	-0.5498	0.54	0.76	1.14E-05	HC_vs_MS.NoTrt_F
ITGB1	2.01E-09	-0.5623	0.592	0.82	3.22E-05	HC_vs_MS.NoTrt_F
RASA3	2.15E-09	-0.5405	0.442	0.72	3.44E-05	HC_vs_MS.NoTrt_F
RAD54L2	2.35E-09	-0.7775	0.642	0.81	3.76E-05	HC_vs_MS.NoTrt_F
EPB41	2.84E-09	-0.4896	0.335	0.62	4.54E-05	HC_vs_MS.NoTrt_F
ABCC9	2.99E-09	0.64826	0.98	0.96	4.78E-05	HC_vs_MS.NoTrt_F
SLFN5	3.58E-09	-0.9851	0.855	0.93	5.71E-05	HC_vs_MS.NoTrt_F
AQP3	7.33E-09	-0.6231	0.332	0.6	1.17E-04	HC_vs_MS.NoTrt_F
BTN3A2	8.65E-09	-0.6117	0.76	0.85	1.38E-04	HC_vs_MS.NoTrt_F
PAN3	9.50E-09	-0.3629	0.824	0.95	1.52E-04	HC_vs_MS.NoTrt_F
SULT1B1	1.20E-08	0.65073	0.988	0.96	1.92E-04	HC_vs_MS.NoTrt_F
LCP1	1.65E-08	-0.4662	0.621	0.85	2.64E-04	HC_vs_MS.NoTrt_F
ACTR2	1.71E-08	-0.6056	0.413	0.66	2.73E-04	HC_vs_MS.NoTrt_F
UBE2D2	1.73E-08	-0.6844	0.41	0.65	2.76E-04	HC_vs_MS.NoTrt_F
RPL26	1.88E-08	-0.5077	0.899	0.97	3.00E-04	HC_vs_MS.NoTrt_F
RPS4Y1	2.08E-08	-1.4389	0.136	0.33	3.32E-04	HC_vs_MS.NoTrt_F
FAM110A	2.12E-08	-0.4391	0.197	0.43	3.39E-04	HC_vs_MS.NoTrt_F
RPS6	2.28E-08	-0.3221	0.919	1	3.64E-04	HC_vs_MS.NoTrt_F
NABP1	2.55E-08	-0.5089	0.766	0.88	4.07E-04	HC_vs_MS.NoTrt_F
HNRNPA0	2.90E-08	-0.5292	0.338	0.59	4.63E-04	HC_vs_MS.NoTrt_F
PIK3IP1	3.40E-08	-0.2572	0.581	0.82	5.43E-04	HC_vs_MS.NoTrt_F
CSDE1	6.24E-08	-0.5824	0.434	0.67	9.96E-04	HC_vs_MS.NoTrt_F
LSM6	6.48E-08	-0.2843	0.162	0.38	0.001036	HC_vs_MS.NoTrt_F
RNF6	6.54E-08	-1.5414	0.162	0.35	0.001045	HC_vs_MS.NoTrt_F
C1D	7.61E-08	-0.387	0.139	0.34	0.001216	HC_vs_MS.NoTrt_F
GPSM3	8.08E-08	-0.5089	0.451	0.67	0.00129	HC_vs_MS.NoTrt_F
NRBF2	9.63E-08	-0.6026	0.139	0.33	0.001537	HC_vs_MS.NoTrt_F
ASF1A	1.01E-07	-0.4176	0.156	0.35	0.001617	HC_vs_MS.NoTrt_F

MT-CO2	1.03E-07	0.59896	0.983	1	0.001647	HC_vs_MS.NoTrt_F
LDHB	1.07E-07	-0.3571	0.595	0.85	0.00171	HC_vs_MS.NoTrt_F
LBH	1.08E-07	-0.4693	0.61	0.82	0.001723	HC_vs_MS.NoTrt_F
CPA5	1.27E-07	-1.6281	0.017	0.13	0.002023	HC_vs_MS.NoTrt_F
PRRG3	1.34E-07	1.51696	0.737	0.55	0.002148	HC_vs_MS.NoTrt_F
GNPAT	1.35E-07	-0.9723	0.168	0.37	0.002154	HC_vs_MS.NoTrt_F
RIMS2	1.44E-07	0.58483	0.957	0.92	0.002298	HC_vs_MS.NoTrt_F
HOXB2	1.56E-07	-0.3358	0.182	0.39	0.002497	HC_vs_MS.NoTrt_F
RBX1	1.60E-07	-0.4543	0.309	0.54	0.002548	HC_vs_MS.NoTrt_F
MOB2	1.68E-07	-1.2395	0.101	0.27	0.00268	HC_vs_MS.NoTrt_F
C4orf36	1.72E-07	0.56595	0.908	0.86	0.002744	HC_vs_MS.NoTrt_F
RAB5A	1.72E-07	-0.6207	0.176	0.38	0.002747	HC_vs_MS.NoTrt_F
HNRNPF	1.75E-07	-0.6694	0.335	0.55	0.002788	HC_vs_MS.NoTrt_F
INTU	1.77E-07	0.30378	0.991	0.99	0.002823	HC_vs_MS.NoTrt_F
KIAA1551	1.79E-07	-0.4495	0.48	0.71	0.002853	HC_vs_MS.NoTrt_F
C12orf45	1.84E-07	0.35972	1	1	0.002932	HC_vs_MS.NoTrt_F
MRPL18	1.85E-07	-0.8618	0.145	0.33	0.002962	HC_vs_MS.NoTrt_F
SOD2	1.90E-07	0.4163	1	1	0.003035	HC_vs_MS.NoTrt_F
TMED7	1.98E-07	-1.7154	0.098	0.27	0.003163	HC_vs_MS.NoTrt_F
PTEN	2.38E-07	-0.4888	0.468	0.66	0.003807	HC_vs_MS.NoTrt_F
AES	2.57E-07	-0.4076	0.5	0.74	0.004104	HC_vs_MS.NoTrt_F
LIMD2	2.72E-07	-0.3917	0.581	0.82	0.004352	HC_vs_MS.NoTrt_F
TBC1D14	2.88E-07	-0.6113	0.185	0.39	0.004601	HC_vs_MS.NoTrt_F
COL8A1	2.97E-07	0.65658	0.916	0.81	0.00475	HC_vs_MS.NoTrt_F
DAXX	2.99E-07	-0.7164	0.173	0.37	0.004783	HC_vs_MS.NoTrt_F
BIN2	3.00E-07	-0.6126	0.543	0.71	0.004795	HC_vs_MS.NoTrt_F
EEF2	3.08E-07	-0.4088	0.806	0.94	0.004916	HC_vs_MS.NoTrt_F
ELF1	3.94E-07	-0.5336	0.355	0.59	0.006292	HC_vs_MS.NoTrt_F
TRMT13	4.10E-07	-0.769	0.118	0.29	0.006544	HC_vs_MS.NoTrt_F
TRMT112	4.58E-07	-0.4567	0.272	0.49	0.007308	HC_vs_MS.NoTrt_F
TCEAL8	4.75E-07	-0.9028	0.116	0.29	0.007582	HC_vs_MS.NoTrt_F
NME2	4.91E-07	-0.5071	0.486	0.69	0.007848	HC_vs_MS.NoTrt_F
A2M	4.94E-07	1.47593	0.399	0.19	0.007894	HC_vs_MS.NoTrt_F
MAT2B	4.97E-07	-0.5909	0.746	0.88	0.007947	HC_vs_MS.NoTrt_F
CACYBP	5.25E-07	-0.4977	0.246	0.46	0.008394	HC_vs_MS.NoTrt_F
ANXA2	5.26E-07	-0.4174	0.743	0.86	0.008398	HC_vs_MS.NoTrt_F
ANXA11	5.87E-07	-0.5191	0.838	0.91	0.009375	HC_vs_MS.NoTrt_F
ZNF408	6.02E-07	-1.6608	0.026	0.14	0.009614	HC_vs_MS.NoTrt_F
EIF4A2	6.53E-07	-0.3829	0.621	0.83	0.010432	HC_vs_MS.NoTrt_F
NEK5	6.68E-07	0.50679	0.902	0.86	0.010674	HC_vs_MS.NoTrt_F

CCDC14	6.71E-07	-0.3148	0.228	0.45	0.010723	HC_vs_MS.NoTrt_F
APOL2	7.34E-07	-0.4549	0.523	0.71	0.011731	HC_vs_MS.NoTrt_F
MCM7	7.87E-07	-0.8088	0.153	0.33	0.012563	HC_vs_MS.NoTrt_F
EMC4	7.87E-07	0.6273	0.997	0.99	0.012567	HC_vs_MS.NoTrt_F
ANKRD13C	8.09E-07	-0.4346	0.145	0.33	0.012929	HC_vs_MS.NoTrt_F
JAKMIP1	8.21E-07	-0.4028	0.24	0.45	0.013119	HC_vs_MS.NoTrt_F
LIMK2	8.29E-07	-0.6358	0.182	0.38	0.013236	HC_vs_MS.NoTrt_F
UPK3BL	9.09E-07	-0.4073	0.532	0.73	0.014513	HC_vs_MS.NoTrt_F
FAM160B1	9.13E-07	-0.6679	0.205	0.4	0.014579	HC_vs_MS.NoTrt_F
UBL7	9.50E-07	-0.7479	0.145	0.32	0.015167	HC_vs_MS.NoTrt_F
GCNT4	9.52E-07	-0.436	0.344	0.57	0.015201	HC_vs_MS.NoTrt_F
FABP4	1.02E-06	1.25275	0.39	0.2	0.016304	HC_vs_MS.NoTrt_F
CTB-133G6.	1.03E-06	-0.7428	0.194	0.39	0.016521	HC_vs_MS.NoTrt_F
KRT10	1.04E-06	-0.6662	0.113	0.28	0.016593	HC_vs_MS.NoTrt_F
THYN1	1.11E-06	-0.532	0.156	0.34	0.017723	HC_vs_MS.NoTrt_F
ASXL1	1.11E-06	-0.4696	0.214	0.41	0.017751	HC_vs_MS.NoTrt_F
DACT3	1.19E-06	0.43024	0.983	0.95	0.01901	HC_vs_MS.NoTrt_F
DYNLL1	1.20E-06	-0.5301	0.393	0.58	0.019178	HC_vs_MS.NoTrt_F
WTAP	1.20E-06	-0.4041	0.621	0.81	0.019189	HC_vs_MS.NoTrt_F
SPTBN5	1.23E-06	-1.0813	0.02	0.12	0.01967	HC_vs_MS.NoTrt_F
6-Mar	1.26E-06	-0.3981	0.827	0.9	0.020173	HC_vs_MS.NoTrt_F
MRPL34	1.31E-06	-0.7576	0.329	0.51	0.02099	HC_vs_MS.NoTrt_F
NARS	1.37E-06	-1.0132	0.176	0.35	0.021929	HC_vs_MS.NoTrt_F
KDM8	1.38E-06	-1.6443	0.052	0.18	0.022095	HC_vs_MS.NoTrt_F
PDE9A	1.45E-06	-2.0845	0.043	0.17	0.023163	HC_vs_MS.NoTrt_F
SPIN2B	1.46E-06	-0.7754	0.046	0.17	0.023357	HC_vs_MS.NoTrt_F
EBP	1.47E-06	-0.5393	0.234	0.43	0.023455	HC_vs_MS.NoTrt_F
IKBKE	1.49E-06	-0.4371	0.309	0.53	0.023734	HC_vs_MS.NoTrt_F
ALKBH5	1.53E-06	-0.5543	0.208	0.4	0.024506	HC_vs_MS.NoTrt_F
SAMD12	1.54E-06	0.51898	0.994	0.98	0.024677	HC_vs_MS.NoTrt_F
TNFAIP8L2	1.60E-06	-1.0561	0.098	0.25	0.025503	HC_vs_MS.NoTrt_F
YJEFN3	1.60E-06	-1.3896	0.052	0.18	0.025543	HC_vs_MS.NoTrt_F
CLDND1	1.73E-06	-0.4249	0.379	0.6	0.027644	HC_vs_MS.NoTrt_F
HSPA1A	1.75E-06	-0.295	0.263	0.47	0.027981	HC_vs_MS.NoTrt_F
XXcos-LUCA	1.80E-06	-0.2551	0.029	0.14	0.02874	HC_vs_MS.NoTrt_F
LTB	1.80E-06	-0.3207	0.584	0.81	0.028803	HC_vs_MS.NoTrt_F
PWWP2A	1.82E-06	-0.6204	0.139	0.31	0.028996	HC_vs_MS.NoTrt_F
IRF2	1.82E-06	-0.5869	0.338	0.53	0.029014	HC_vs_MS.NoTrt_F
ANK3	1.84E-06	0.63292	0.942	0.89	0.029409	HC_vs_MS.NoTrt_F
TBC1D23	1.89E-06	-0.8319	0.15	0.33	0.030114	HC_vs_MS.NoTrt_F

SDF2	1.89E-06	-0.5069	0.243	0.44	0.030235	HC_vs_MS.NoTrt_F
TTC39C	1.93E-06	-0.4305	0.824	0.9	0.030809	HC_vs_MS.NoTrt_F
TRPV2	1.97E-06	-0.4666	0.231	0.43	0.03147	HC_vs_MS.NoTrt_F
PLCL1	2.17E-06	-1.0972	0.13	0.29	0.034644	HC_vs_MS.NoTrt_F
RNF40	2.33E-06	-1.2612	0.098	0.25	0.037285	HC_vs_MS.NoTrt_F
CCR4	2.40E-06	-0.8511	0.922	0.94	0.038348	HC_vs_MS.NoTrt_F
REXO4	2.53E-06	-0.7443	0.061	0.19	0.040478	HC_vs_MS.NoTrt_F
CBLL1	3.03E-06	-0.575	0.243	0.44	0.048422	HC_vs_MS.NoTrt_F
MT-ND2	3.18E-06	0.73669	0.908	0.89	0.050766	HC_vs_MS.NoTrt_F
MEAF6	3.32E-06	-0.4665	0.277	0.48	0.053009	HC_vs_MS.NoTrt_F
GTF3A	3.33E-06	-0.2698	0.373	0.61	0.053121	HC_vs_MS.NoTrt_F
ACLY	3.38E-06	-0.2779	0.211	0.4	0.053953	HC_vs_MS.NoTrt_F
VAMP8	3.48E-06	-0.3289	0.298	0.53	0.055642	HC_vs_MS.NoTrt_F
SYNPO	3.60E-06	-0.3478	0.237	0.44	0.057479	HC_vs_MS.NoTrt_F
NDUFB8	3.68E-06	-0.3252	0.37	0.6	0.058808	HC_vs_MS.NoTrt_F
LRRC8C	3.80E-06	-0.3104	0.335	0.54	0.060619	HC_vs_MS.NoTrt_F
ARRDC5	3.85E-06	-0.5466	0.101	0.25	0.06149	HC_vs_MS.NoTrt_F
ALG10	3.87E-06	-0.5897	0.069	0.2	0.061783	HC_vs_MS.NoTrt_F
KRTAP3-1	3.95E-06	-0.3405	0.075	0.22	0.063047	HC_vs_MS.NoTrt_F
GIMAP7	3.96E-06	-0.3189	0.41	0.65	0.063332	HC_vs_MS.NoTrt_F
SASS6	4.06E-06	-0.3611	0.055	0.18	0.06483	HC_vs_MS.NoTrt_F
FAM104A	4.11E-06	-0.3888	0.191	0.37	0.065584	HC_vs_MS.NoTrt_F
ARRDC3	4.16E-06	-0.3335	0.454	0.69	0.066438	HC_vs_MS.NoTrt_F
EGLN2	4.27E-06	-0.3789	0.251	0.44	0.068173	HC_vs_MS.NoTrt_F
ADA	4.44E-06	-0.7993	0.107	0.26	0.070914	HC_vs_MS.NoTrt_F
RACGAP1	4.45E-06	-0.6803	0.066	0.2	0.071002	HC_vs_MS.NoTrt_F
SHISA9	4.54E-06	0.34247	0.971	0.92	0.072454	HC_vs_MS.NoTrt_F
KYNU	4.54E-06	0.4417	0.983	0.99	0.072568	HC_vs_MS.NoTrt_F
CDPF1	4.62E-06	-0.6029	0.058	0.18	0.073829	HC_vs_MS.NoTrt_F
MSANTD4	4.65E-06	-0.499	0.064	0.19	0.074221	HC_vs_MS.NoTrt_F
STAT1	4.70E-06	-0.583	0.384	0.58	0.075127	HC_vs_MS.NoTrt_F
OCIAD2	4.72E-06	-0.3778	0.662	0.82	0.075327	HC_vs_MS.NoTrt_F
DDX28	4.91E-06	-1.1938	0.061	0.19	0.078417	HC_vs_MS.NoTrt_F
FRK	5.17E-06	0.40249	0.997	1	0.082508	HC_vs_MS.NoTrt_F
REST	5.24E-06	-0.3306	0.188	0.37	0.08366	HC_vs_MS.NoTrt_F
ZBTB45	5.28E-06	-0.4933	0.035	0.14	0.084396	HC_vs_MS.NoTrt_F
MUS81	5.40E-06	-0.5488	0.159	0.33	0.086262	HC_vs_MS.NoTrt_F
TXNIP	5.98E-06	-0.3841	0.639	0.8	0.095471	HC_vs_MS.NoTrt_F
ATAD3A	6.07E-06	-0.6255	0.061	0.19	0.096879	HC_vs_MS.NoTrt_F
HSPA1B	6.10E-06	-0.9144	0.329	0.49	0.097406	HC_vs_MS.NoTrt_F



LGALS3	6.27E-06	-0.4469	0.647	0.77	0.100186	HC_vs_MS.NoTrt_F
TTC32	6.83E-06	-0.6055	0.098	0.24	0.109142	HC_vs_MS.NoTrt_F
RP11-343C2	7.28E-06	-0.4607	0.168	0.34	0.116231	HC_vs_MS.NoTrt_F
TSGA10	7.34E-06	-0.7747	0.072	0.2	0.117256	HC_vs_MS.NoTrt_F
ACAD11	7.45E-06	-1.4462	0.182	0.35	0.118942	HC_vs_MS.NoTrt_F
TRMU	7.47E-06	-0.7861	0.199	0.38	0.119309	HC_vs_MS.NoTrt_F
TTC1	7.51E-06	-0.5618	0.199	0.37	0.119923	HC_vs_MS.NoTrt_F
NUDT2	7.55E-06	-0.7298	0.055	0.18	0.120551	HC_vs_MS.NoTrt_F
CYSLTR1	7.60E-06	0.57537	0.98	0.96	0.121371	HC_vs_MS.NoTrt_F
CDRT1	7.69E-06	-2.0846	0.02	0.11	0.122764	HC_vs_MS.NoTrt_F
PUM2	8.08E-06	-0.51	0.338	0.53	0.128997	HC_vs_MS.NoTrt_F
TMBIM6	8.12E-06	-0.3825	0.832	0.91	0.12972	HC_vs_MS.NoTrt_F
RNF168	8.24E-06	-0.3904	0.592	0.74	0.131644	HC_vs_MS.NoTrt_F
MAPK7	8.25E-06	-1.1955	0.046	0.16	0.131705	HC_vs_MS.NoTrt_F
SUCLG2	8.28E-06	-0.5066	0.199	0.38	0.13226	HC_vs_MS.NoTrt_F
SLC35D2	8.31E-06	-1.2036	0.064	0.19	0.132694	HC_vs_MS.NoTrt_F
PLGRKT	8.31E-06	-0.7922	0.101	0.24	0.132791	HC_vs_MS.NoTrt_F
RELL2	8.47E-06	-0.7186	0.104	0.25	0.135287	HC_vs_MS.NoTrt_F
MT-ND4	8.58E-06	0.45226	0.991	1	0.137127	HC_vs_MS.NoTrt_F
CFAP54	8.63E-06	0.52647	0.965	0.97	0.137776	HC_vs_MS.NoTrt_F
SLC25A22	8.69E-06	-0.7032	0.066	0.19	0.138839	HC_vs_MS.NoTrt_F
KCNA3	8.71E-06	-0.607	0.234	0.41	0.139148	HC_vs_MS.NoTrt_F
RAB11B	8.73E-06	-0.4381	0.419	0.62	0.139464	HC_vs_MS.NoTrt_F
WDPCP	8.88E-06	0.40949	0.988	0.96	0.141853	HC_vs_MS.NoTrt_F
ARL5B	8.98E-06	0.48491	0.153	0.33	0.143439	HC_vs_MS.NoTrt_F
C11orf98	9.58E-06	-0.5905	0.165	0.33	0.153013	HC_vs_MS.NoTrt_F
EFCAB7	9.60E-06	-1.6361	0.038	0.14	0.153397	HC_vs_MS.NoTrt_F
HEBP2	9.66E-06	-0.5849	0.35	0.53	0.154247	HC_vs_MS.NoTrt_F
C5orf15	9.77E-06	-0.6889	0.156	0.32	0.156112	HC_vs_MS.NoTrt_F
NDUFA6	1.02E-05	-0.4511	0.257	0.45	0.162238	HC_vs_MS.NoTrt_F
METTL18	1.02E-05	-0.9673	0.061	0.18	0.163178	HC_vs_MS.NoTrt_F
UBAC1	1.02E-05	-0.5836	0.04	0.15	0.163189	HC_vs_MS.NoTrt_F
UNC119	1.07E-05	-0.5559	0.101	0.24	0.170959	HC_vs_MS.NoTrt_F
FUT7	1.07E-05	-0.481	0.107	0.25	0.171257	HC_vs_MS.NoTrt_F
SUV39H1	1.08E-05	-0.4472	0.04	0.15	0.172217	HC_vs_MS.NoTrt_F
TCEA1	1.08E-05	-0.4965	0.341	0.54	0.172781	HC_vs_MS.NoTrt_F
UGGT2	1.10E-05	0.57105	0.908	0.88	0.17499	HC_vs_MS.NoTrt_F
CEP164	1.11E-05	-0.2657	0.208	0.38	0.177451	HC_vs_MS.NoTrt_F
CSGALNACT	1.12E-05	-0.6275	0.538	0.69	0.179547	HC_vs_MS.NoTrt_F
PI4K2B	1.13E-05	-0.5268	0.032	0.13	0.179912	HC_vs_MS.NoTrt_F

ANXA2R	1.14E-05	-0.4757	0.182	0.35	0.182735	HC_vs_MS.NoTrt_F
NOP9	1.21E-05	-1.2464	0.038	0.14	0.192481	HC_vs_MS.NoTrt_F
BAZ1B	1.21E-05	-0.5481	0.197	0.37	0.192864	HC_vs_MS.NoTrt_F
HSPE1-MOB	1.21E-05	-1.0711	0.101	0.24	0.193681	HC_vs_MS.NoTrt_F
ZNF706	1.22E-05	-0.4244	0.373	0.57	0.194701	HC_vs_MS.NoTrt_F
MT-ND5	1.23E-05	0.61895	0.899	0.88	0.195706	HC_vs_MS.NoTrt_F
SRP54	1.25E-05	-0.3772	0.251	0.43	0.199403	HC_vs_MS.NoTrt_F
SLC9A9	1.25E-05	-0.398	0.171	0.34	0.199741	HC_vs_MS.NoTrt_F
ICAM3	1.26E-05	-0.294	0.419	0.65	0.201596	HC_vs_MS.NoTrt_F
APTX	1.26E-05	-0.5178	0.173	0.34	0.201663	HC_vs_MS.NoTrt_F
SAFB	1.27E-05	-0.5149	0.379	0.55	0.202871	HC_vs_MS.NoTrt_F
GBP5	1.27E-05	-0.4749	0.691	0.81	0.203108	HC_vs_MS.NoTrt_F
AMMECR1L	1.31E-05	-0.624	0.251	0.44	0.209736	HC_vs_MS.NoTrt_F
CCDC167	1.32E-05	-0.3152	0.173	0.34	0.210083	HC_vs_MS.NoTrt_F
IL10RA	1.41E-05	-0.4756	0.578	0.74	0.225972	HC_vs_MS.NoTrt_F
INTS9	1.43E-05	-0.7533	0.13	0.28	0.228662	HC_vs_MS.NoTrt_F
UFSP2	1.44E-05	-0.9797	0.116	0.26	0.230403	HC_vs_MS.NoTrt_F
C12orf4	1.45E-05	-0.5147	0.491	0.72	0.231057	HC_vs_MS.NoTrt_F
LPAR6	1.47E-05	-0.6412	0.416	0.59	0.234771	HC_vs_MS.NoTrt_F
IL6R	1.47E-05	-0.5982	0.682	0.79	0.23546	HC_vs_MS.NoTrt_F
TMEM42	1.51E-05	-0.4117	0.133	0.28	0.241279	HC_vs_MS.NoTrt_F
TAF1C	1.53E-05	-0.6029	0.118	0.27	0.243843	HC_vs_MS.NoTrt_F
FAM153A	1.55E-05	-0.3882	0.462	0.65	0.247074	HC_vs_MS.NoTrt_F
ACTR1B	1.56E-05	-0.4975	0.188	0.36	0.249166	HC_vs_MS.NoTrt_F
NEDD4	1.59E-05	0.51139	0.983	0.99	0.254673	HC_vs_MS.NoTrt_F
C17orf80	1.61E-05	-1.1524	0.052	0.17	0.256468	HC_vs_MS.NoTrt_F
RASGRP1	1.62E-05	-0.4424	0.384	0.6	0.258061	HC_vs_MS.NoTrt_F
RPAP2	1.63E-05	0.3168	0.997	1	0.261016	HC_vs_MS.NoTrt_F
RTCB	1.66E-05	-0.4686	0.147	0.3	0.26586	HC_vs_MS.NoTrt_F
JTB	1.67E-05	-0.431	0.26	0.45	0.266214	HC_vs_MS.NoTrt_F
RPA2	1.72E-05	-0.6561	0.217	0.39	0.27512	HC_vs_MS.NoTrt_F
RECQL	1.72E-05	-1.0729	0.171	0.33	0.275265	HC_vs_MS.NoTrt_F
NUCB1	1.83E-05	-0.577	0.283	0.47	0.292472	HC_vs_MS.NoTrt_F
TRIM35	1.84E-05	-0.2523	0.202	0.38	0.293514	HC_vs_MS.NoTrt_F
UBAP1	1.84E-05	-0.7628	0.153	0.3	0.294004	HC_vs_MS.NoTrt_F
CCDC186	1.88E-05	-0.6556	0.587	0.71	0.300837	HC_vs_MS.NoTrt_F
SVBP	1.90E-05	-0.6061	0.121	0.27	0.303733	HC_vs_MS.NoTrt_F
STARD5	1.91E-05	-0.4013	0.116	0.25	0.304923	HC_vs_MS.NoTrt_F
EIF6	1.92E-05	-0.3092	0.168	0.33	0.307171	HC_vs_MS.NoTrt_F
KRCC1	1.92E-05	-0.4352	0.124	0.27	0.307331	HC_vs_MS.NoTrt_F

PPP1R2	1.93E-05	-0.6476	0.656	0.75	0.30877	HC_vs_MS.NoTrt_F
MTFP1	1.94E-05	-0.407	0.142	0.3	0.310603	HC_vs_MS.NoTrt_F
BTN3A1	2.00E-05	-0.5688	0.61	0.74	0.319131	HC_vs_MS.NoTrt_F
RRP12	2.00E-05	0.53571	0.934	0.87	0.320194	HC_vs_MS.NoTrt_F
DNAJC9	2.02E-05	-0.3625	0.133	0.28	0.32206	HC_vs_MS.NoTrt_F
CD36	2.04E-05	1.58964	0.679	0.53	0.325069	HC_vs_MS.NoTrt_F
KBTBD3	2.16E-05	-0.7854	0.075	0.2	0.345331	HC_vs_MS.NoTrt_F
ZNF775	2.17E-05	-0.7928	0.043	0.15	0.346127	HC_vs_MS.NoTrt_F
SAYSD1	2.18E-05	-0.7077	0.208	0.38	0.348198	HC_vs_MS.NoTrt_F
LACTB2	2.22E-05	-0.7697	0.064	0.18	0.353986	HC_vs_MS.NoTrt_F
OCM	2.23E-05	-0.6126	0.023	0.11	0.35658	HC_vs_MS.NoTrt_F
RPS3	2.27E-05	-0.2711	0.913	0.99	0.363255	HC_vs_MS.NoTrt_F
POP7	2.30E-05	-1.0723	0.081	0.2	0.368001	HC_vs_MS.NoTrt_F
RPL9	2.34E-05	-0.4283	0.884	0.95	0.37358	HC_vs_MS.NoTrt_F
MRPL23	2.34E-05	-0.3321	0.11	0.25	0.373773	HC_vs_MS.NoTrt_F
METAP1D	2.37E-05	-0.5177	0.023	0.11	0.378108	HC_vs_MS.NoTrt_F
PCYT2	2.39E-05	-1.0196	0.035	0.13	0.381625	HC_vs_MS.NoTrt_F
ZNF585A	2.48E-05	-1.907	0.353	0.53	0.396879	HC_vs_MS.NoTrt_F
MIPOL1	2.51E-05	0.37756	1	1	0.401215	HC_vs_MS.NoTrt_F
CCNE2	2.53E-05	-0.7736	0.026	0.12	0.403703	HC_vs_MS.NoTrt_F
EPS8L2	2.58E-05	-0.4849	0.032	0.13	0.412786	HC_vs_MS.NoTrt_F
POLR2K	2.59E-05	-0.3394	0.153	0.31	0.413818	HC_vs_MS.NoTrt_F
IFIH1	2.60E-05	-0.3584	0.026	0.12	0.415796	HC_vs_MS.NoTrt_F
RP11-2C24.9	2.60E-05	-0.5514	0.13	0.28	0.415914	HC_vs_MS.NoTrt_F
PAGR1	2.74E-05	-0.4657	0.173	0.34	0.437951	HC_vs_MS.NoTrt_F
TPT1	2.77E-05	-0.2651	0.879	0.96	0.44275	HC_vs_MS.NoTrt_F
UBAP2L	2.80E-05	-0.5784	0.269	0.45	0.447358	HC_vs_MS.NoTrt_F
THAP11	2.81E-05	-0.7697	0.101	0.23	0.44922	HC_vs_MS.NoTrt_F
DNAJB1	2.83E-05	-0.4489	0.777	0.92	0.451941	HC_vs_MS.NoTrt_F
ELF4	2.87E-05	-0.6705	0.153	0.3	0.458721	HC_vs_MS.NoTrt_F
HPCAL4	2.87E-05	-1.4161	0.055	0.17	0.459126	HC_vs_MS.NoTrt_F
ARL6IP1	2.94E-05	-0.4898	0.506	0.66	0.470205	HC_vs_MS.NoTrt_F
ZNF182	2.97E-05	-0.477	0.061	0.18	0.474484	HC_vs_MS.NoTrt_F
VAMP5	2.99E-05	-0.6901	0.182	0.33	0.47839	HC_vs_MS.NoTrt_F
BTN2A1	3.00E-05	-0.4955	0.156	0.3	0.479002	HC_vs_MS.NoTrt_F
MTX2	3.01E-05	-0.2992	0.225	0.39	0.48072	HC_vs_MS.NoTrt_F
GTF3C5	3.02E-05	-0.4328	0.35	0.52	0.48275	HC_vs_MS.NoTrt_F
PYCARD	3.06E-05	-0.3153	0.107	0.24	0.48943	HC_vs_MS.NoTrt_F
SDHA	3.12E-05	-0.4753	0.581	0.74	0.498393	HC_vs_MS.NoTrt_F
ANXA7	3.13E-05	-0.3813	0.431	0.62	0.4997	HC_vs_MS.NoTrt_F

OXSR1	3.16E-05	-0.2979	0.124	0.27	0.504559	HC_vs_MS.NoTrt_F
CNKSR3	3.19E-05	0.34674	0.991	0.97	0.509889	HC_vs_MS.NoTrt_F
GEMIN4	3.38E-05	-0.8141	0.075	0.19	0.539318	HC_vs_MS.NoTrt_F
PDCD10	3.48E-05	-0.3999	0.243	0.41	0.555091	HC_vs_MS.NoTrt_F
ZNF384	3.50E-05	-0.5006	0.147	0.3	0.559129	HC_vs_MS.NoTrt_F
UQCRFS1	3.51E-05	-0.4785	0.225	0.39	0.561043	HC_vs_MS.NoTrt_F
FGF13	3.52E-05	0.55798	0.968	0.98	0.56297	HC_vs_MS.NoTrt_F
MED31	3.56E-05	-0.5589	0.133	0.28	0.568915	HC_vs_MS.NoTrt_F
VDAC3	3.65E-05	-0.2645	0.194	0.37	0.583046	HC_vs_MS.NoTrt_F
SNX20	3.68E-05	-0.572	0.419	0.56	0.588095	HC_vs_MS.NoTrt_F
GPBP1	3.71E-05	-0.5649	0.35	0.52	0.592037	HC_vs_MS.NoTrt_F
EBAG9	3.72E-05	-0.4347	0.104	0.24	0.594282	HC_vs_MS.NoTrt_F
TMEM206	3.81E-05	-0.7939	0.066	0.18	0.608539	HC_vs_MS.NoTrt_F
C15orf53	3.90E-05	-0.3119	0.136	0.28	0.622886	HC_vs_MS.NoTrt_F
BIRC2	3.90E-05	-0.7013	0.202	0.36	0.623524	HC_vs_MS.NoTrt_F
FANK1	3.92E-05	-0.6884	0.211	0.35	0.626718	HC_vs_MS.NoTrt_F
HNRNPH3	3.99E-05	-0.5338	0.251	0.43	0.637723	HC_vs_MS.NoTrt_F
ZDHHC2	3.99E-05	-1.1698	0.116	0.25	0.637824	HC_vs_MS.NoTrt_F
ZNF862	4.00E-05	-0.8158	0.145	0.29	0.638691	HC_vs_MS.NoTrt_F
CCT8	4.07E-05	-0.2812	0.283	0.48	0.649537	HC_vs_MS.NoTrt_F
MRPL51	4.07E-05	-0.3749	0.156	0.31	0.650205	HC_vs_MS.NoTrt_F
CDKN2C	4.12E-05	-1.2112	0.043	0.14	0.658579	HC_vs_MS.NoTrt_F
ADGRD2	4.16E-05	0.44229	0.87	0.8	0.665273	HC_vs_MS.NoTrt_F
CRBN	4.24E-05	-0.3081	0.486	0.65	0.67717	HC_vs_MS.NoTrt_F
TMEM79	4.24E-05	-1.0212	0.098	0.23	0.678031	HC_vs_MS.NoTrt_F
HCCS	4.25E-05	-1.1132	0.046	0.15	0.679263	HC_vs_MS.NoTrt_F
ITPA	4.27E-05	-0.5456	0.176	0.33	0.681939	HC_vs_MS.NoTrt_F
PIGF	4.38E-05	-0.9824	0.13	0.27	0.699252	HC_vs_MS.NoTrt_F
HMGN3	4.39E-05	-0.6011	0.211	0.37	0.701811	HC_vs_MS.NoTrt_F
ABLIM3	4.50E-05	1.85446	0.275	0.13	0.718236	HC_vs_MS.NoTrt_F
FTO	4.54E-05	0.40905	0.994	0.99	0.725035	HC_vs_MS.NoTrt_F
USP8	4.58E-05	0.58847	1	0.99	0.731987	HC_vs_MS.NoTrt_F
ARPC4-TTL1	4.61E-05	-0.7262	0.118	0.25	0.737061	HC_vs_MS.NoTrt_F
IL7	4.66E-05	-0.3396	0.084	0.21	0.744283	HC_vs_MS.NoTrt_F
C7orf55-LUC	4.68E-05	-0.7045	0.072	0.19	0.74724	HC_vs_MS.NoTrt_F
SH3KBP1	4.70E-05	-0.3447	0.497	0.67	0.751284	HC_vs_MS.NoTrt_F
R3HCC1	4.77E-05	-0.6254	0.139	0.28	0.76249	HC_vs_MS.NoTrt_F
HNRNPK	4.80E-05	-0.3022	0.708	0.83	0.766239	HC_vs_MS.NoTrt_F
ADAM12	4.82E-05	-0.3738	0.205	0.37	0.769315	HC_vs_MS.NoTrt_F
C7orf25	5.00E-05	-1.6034	0.023	0.11	0.79939	HC_vs_MS.NoTrt_F

DUSP14	5.07E-05	-1.1072	0.038	0.13	0.809715	HC_vs_MS.NoTrt_F
ELK3	5.08E-05	-0.6744	0.408	0.58	0.811163	HC_vs_MS.NoTrt_F
RP5-1022E2	5.12E-05	-0.7108	0.113	0.24	0.817065	HC_vs_MS.NoTrt_F
VCP	5.16E-05	-0.4207	0.306	0.49	0.824361	HC_vs_MS.NoTrt_F
CDK8	5.17E-05	-0.5168	0.046	0.15	0.825133	HC_vs_MS.NoTrt_F
LSS	5.17E-05	-1.4565	0.13	0.27	0.825405	HC_vs_MS.NoTrt_F
ANKLE2	5.20E-05	0.40155	0.994	0.99	0.830955	HC_vs_MS.NoTrt_F
RARRES3	5.22E-05	-0.382	0.289	0.48	0.834262	HC_vs_MS.NoTrt_F
PRPF6	5.27E-05	-0.6212	0.231	0.38	0.841943	HC_vs_MS.NoTrt_F
TRAPPC2L	5.31E-05	-0.8775	0.136	0.28	0.847755	HC_vs_MS.NoTrt_F
SRSF3	5.32E-05	-0.3474	0.902	0.92	0.849708	HC_vs_MS.NoTrt_F
SUSD3	5.34E-05	-0.4774	0.298	0.48	0.853366	HC_vs_MS.NoTrt_F
VPS72	5.36E-05	-0.4847	0.145	0.29	0.856537	HC_vs_MS.NoTrt_F
DHX32	5.41E-05	-1.5975	0.026	0.11	0.863551	HC_vs_MS.NoTrt_F
CNOT11	5.41E-05	-0.7394	0.133	0.27	0.863683	HC_vs_MS.NoTrt_F
OSER1	5.44E-05	-0.3042	0.225	0.4	0.869135	HC_vs_MS.NoTrt_F
FAM50B	5.46E-05	-0.4647	0.04	0.14	0.872524	HC_vs_MS.NoTrt_F
ARMCX5	5.47E-05	-0.5752	0.075	0.19	0.873325	HC_vs_MS.NoTrt_F
TIFA	5.49E-05	-0.4407	0.124	0.27	0.876879	HC_vs_MS.NoTrt_F
MTA2	5.52E-05	-1.0366	0.263	0.43	0.881771	HC_vs_MS.NoTrt_F
ABRACL	5.58E-05	-0.3545	0.257	0.45	0.890624	HC_vs_MS.NoTrt_F
C4orf3	5.62E-05	-0.7851	0.497	0.61	0.898196	HC_vs_MS.NoTrt_F
ATP13A1	5.63E-05	-0.4019	0.283	0.44	0.899184	HC_vs_MS.NoTrt_F
TBC1D2	5.64E-05	-0.6357	0.064	0.18	0.900509	HC_vs_MS.NoTrt_F
ZNF792	5.66E-05	-0.397	0.032	0.12	0.904323	HC_vs_MS.NoTrt_F
SDHAF3	5.77E-05	-0.689	0.072	0.19	0.92193	HC_vs_MS.NoTrt_F
CDKN1B	5.81E-05	-0.2544	0.355	0.55	0.928681	HC_vs_MS.NoTrt_F
THAP1	5.82E-05	-0.3003	0.104	0.23	0.929592	HC_vs_MS.NoTrt_F
DYNLL2	5.83E-05	-0.6026	0.133	0.27	0.930532	HC_vs_MS.NoTrt_F
CETN2	5.85E-05	-0.7071	0.035	0.13	0.934477	HC_vs_MS.NoTrt_F
ENTPD6	5.90E-05	-0.4905	0.15	0.29	0.943055	HC_vs_MS.NoTrt_F
ABHD15	5.92E-05	1.40548	0.312	0.49	0.946336	HC_vs_MS.NoTrt_F
CDKL5	5.93E-05	0.36602	0.962	0.93	0.947542	HC_vs_MS.NoTrt_F
KCNJ6	6.14E-05	0.82418	0.873	0.83	0.981343	HC_vs_MS.NoTrt_F
UBE2L6	6.14E-05	-0.3134	0.257	0.44	0.981359	HC_vs_MS.NoTrt_F
ACP1	6.29E-05	-0.3138	0.266	0.44	1	HC_vs_MS.NoTrt_F
PGM2	6.34E-05	-1.1815	0.13	0.27	1	HC_vs_MS.NoTrt_F
SAP18	6.40E-05	-0.2959	0.367	0.56	1	HC_vs_MS.NoTrt_F
ZBTB39	6.41E-05	-0.7907	0.029	0.12	1	HC_vs_MS.NoTrt_F
TRIM47	6.41E-05	-0.9873	0.058	0.17	1	HC_vs_MS.NoTrt_F

FOXN2	6.42E-05	-0.3471	0.272	0.45	1	HC_vs_MS.NoTrt_F
ITFG1	6.46E-05	-0.2641	0.211	0.37	1	HC_vs_MS.NoTrt_F
GIMAP1-GIM	6.46E-05	-0.5778	0.072	0.19	1	HC_vs_MS.NoTrt_F
CHKB-CPT1E	6.57E-05	-0.4876	0.029	0.12	1	HC_vs_MS.NoTrt_F
POLR2M	6.59E-05	-1.1516	0.165	0.3	1	HC_vs_MS.NoTrt_F
BBS7	7.02E-05	-1.3894	0.055	0.16	1	HC_vs_MS.NoTrt_F
OR52A1	7.03E-05	0.51766	0.829	0.75	1	HC_vs_MS.NoTrt_F
PDIK1L	7.04E-05	-1.5659	0.066	0.18	1	HC_vs_MS.NoTrt_F
ZNF263	7.12E-05	-1.0849	0.064	0.17	1	HC_vs_MS.NoTrt_F
TERF2IP	7.20E-05	-0.2977	0.396	0.56	1	HC_vs_MS.NoTrt_F
ANTXR2	7.23E-05	-0.3672	0.697	0.83	1	HC_vs_MS.NoTrt_F
ARHGAP19	7.26E-05	-0.5265	0.277	0.44	1	HC_vs_MS.NoTrt_F
CUTC	7.33E-05	-0.7963	0.162	0.3	1	HC_vs_MS.NoTrt_F
ZC3H3	7.51E-05	-0.599	0.153	0.29	1	HC_vs_MS.NoTrt_F
SNAP47	7.52E-05	-0.4577	0.171	0.32	1	HC_vs_MS.NoTrt_F
TRIM37	7.58E-05	-0.9193	0.24	0.38	1	HC_vs_MS.NoTrt_F
ARL3	7.86E-05	-0.4097	0.069	0.18	1	HC_vs_MS.NoTrt_F
CTD-3105H1	7.96E-05	-0.2682	0.292	0.46	1	HC_vs_MS.NoTrt_F
RNF20	8.02E-05	-0.5681	0.15	0.29	1	HC_vs_MS.NoTrt_F
SURF2	8.05E-05	-0.6171	0.13	0.27	1	HC_vs_MS.NoTrt_F
SLAIN2	8.13E-05	-0.3606	0.162	0.3	1	HC_vs_MS.NoTrt_F
EIF3D	8.14E-05	-0.2991	0.416	0.6	1	HC_vs_MS.NoTrt_F
AATF	8.21E-05	-0.4706	0.208	0.36	1	HC_vs_MS.NoTrt_F
RUNX2	8.27E-05	-0.4514	0.202	0.37	1	HC_vs_MS.NoTrt_F
STX18	8.39E-05	-0.5086	0.159	0.3	1	HC_vs_MS.NoTrt_F
C14orf169	8.49E-05	-0.7189	0.066	0.18	1	HC_vs_MS.NoTrt_F
EIF3G	8.56E-05	-0.3134	0.853	0.96	1	HC_vs_MS.NoTrt_F
RPLP0	8.58E-05	-0.2528	0.925	0.97	1	HC_vs_MS.NoTrt_F
SEC24A	8.61E-05	-0.3783	0.066	0.18	1	HC_vs_MS.NoTrt_F
SETD2	8.69E-05	-0.5127	0.399	0.57	1	HC_vs_MS.NoTrt_F
ORMDL1	8.76E-05	-0.4043	0.318	0.5	1	HC_vs_MS.NoTrt_F
YPEL2	8.81E-05	-0.5315	0.214	0.36	1	HC_vs_MS.NoTrt_F
CHPF2	9.02E-05	-0.6226	0.095	0.22	1	HC_vs_MS.NoTrt_F
ICAM2	9.03E-05	-0.2529	0.743	0.84	1	HC_vs_MS.NoTrt_F
GBP2	9.07E-05	-0.3199	0.46	0.64	1	HC_vs_MS.NoTrt_F
RPS29	9.13E-05	0.6643	0.948	0.94	1	HC_vs_MS.NoTrt_F
SMC3	9.14E-05	-0.3985	0.309	0.47	1	HC_vs_MS.NoTrt_F
FADD	9.24E-05	-0.9011	0.092	0.21	1	HC_vs_MS.NoTrt_F
USP20	9.36E-05	-0.3533	0.249	0.41	1	HC_vs_MS.NoTrt_F
EPAS1	9.48E-05	2.85906	0.272	0.14	1	HC_vs_MS.NoTrt_F

CYB5R1	9.60E-05	-0.657	0.104	0.23	1	HC_vs_MS.NoTrt_F
THOC7	9.76E-05	-0.5195	0.159	0.3	1	HC_vs_MS.NoTrt_F
CCL5	9.76E-05	1.05229	0.936	0.94	1	HC_vs_MS.NoTrt_F
CDKN2A	9.99E-05	-0.4288	0.069	0.18	1	HC_vs_MS.NoTrt_F
GTF2A1	1.00E-04	-1.3779	0.061	0.17	1	HC_vs_MS.NoTrt_F
CCDC13	1.02E-04	-0.4982	0.289	0.47	1	HC_vs_MS.NoTrt_F
TMEM115	1.02E-04	-0.7923	0.107	0.23	1	HC_vs_MS.NoTrt_F
CD5	1.03E-04	-0.2896	0.457	0.66	1	HC_vs_MS.NoTrt_F
GABARAPL2	1.04E-04	-0.6787	0.555	0.66	1	HC_vs_MS.NoTrt_F
RTKN2	1.05E-04	-0.5306	0.532	0.66	1	HC_vs_MS.NoTrt_F
ACAD10	1.06E-04	-0.9702	0.506	0.64	1	HC_vs_MS.NoTrt_F
SLC3A2	1.06E-04	-0.3015	0.503	0.66	1	HC_vs_MS.NoTrt_F
EID3	1.09E-04	-0.6565	0.046	0.14	1	HC_vs_MS.NoTrt_F
DPP7	1.09E-04	-0.2505	0.341	0.53	1	HC_vs_MS.NoTrt_F
MPC1	1.10E-04	-0.5013	0.145	0.28	1	HC_vs_MS.NoTrt_F
HDAC3	1.11E-04	-0.7377	0.156	0.29	1	HC_vs_MS.NoTrt_F
TAF9B	1.14E-04	-0.6602	0.118	0.25	1	HC_vs_MS.NoTrt_F
ADCK2	1.14E-04	-1.0924	0.038	0.13	1	HC_vs_MS.NoTrt_F
CA6	1.14E-04	0.33417	0.821	0.69	1	HC_vs_MS.NoTrt_F
STUB1	1.15E-04	-0.6282	0.095	0.22	1	HC_vs_MS.NoTrt_F
PPDPF	1.16E-04	1.335	0.514	0.45	1	HC_vs_MS.NoTrt_F
PIN4	1.16E-04	-0.5328	0.133	0.26	1	HC_vs_MS.NoTrt_F
YWHAZ	1.16E-04	0.35317	0.968	0.98	1	HC_vs_MS.NoTrt_F
CBX4	1.16E-04	-0.3594	0.046	0.14	1	HC_vs_MS.NoTrt_F
P2RY8	1.17E-04	-0.2577	0.434	0.61	1	HC_vs_MS.NoTrt_F
RAPGEF5	1.17E-04	1.22176	0.101	0.01	1	HC_vs_MS.NoTrt_F
TJP3	1.18E-04	-1.5444	0.095	0.21	1	HC_vs_MS.NoTrt_F
POLDIP2	1.18E-04	-0.4774	0.136	0.27	1	HC_vs_MS.NoTrt_F
BUB3	1.19E-04	-0.4186	0.668	0.8	1	HC_vs_MS.NoTrt_F
PCMTD1	1.20E-04	-0.5923	0.312	0.48	1	HC_vs_MS.NoTrt_F
SCAMP2	1.21E-04	-0.2591	0.329	0.52	1	HC_vs_MS.NoTrt_F
RAB39B	1.21E-04	-0.898	0.035	0.12	1	HC_vs_MS.NoTrt_F
GON7	1.21E-04	-0.6046	0.035	0.12	1	HC_vs_MS.NoTrt_F
OXLD1	1.22E-04	-0.5586	0.127	0.26	1	HC_vs_MS.NoTrt_F
SERINC4	1.22E-04	-0.5781	0.058	0.16	1	HC_vs_MS.NoTrt_F
TNFSF13B	1.25E-04	-0.2686	0.642	0.72	1	HC_vs_MS.NoTrt_F
DOLK	1.26E-04	-0.6839	0.029	0.11	1	HC_vs_MS.NoTrt_F
BLOC1S6	1.26E-04	0.44259	0.997	0.99	1	HC_vs_MS.NoTrt_F
CLEC4A	1.27E-04	-0.2643	0.04	0.13	1	HC_vs_MS.NoTrt_F
AGAP6	1.27E-04	-0.4771	0.127	0.25	1	HC_vs_MS.NoTrt_F

MGAT4C	1.27E-04	0.49108	0.835	0.7	1	HC_vs_MS.NoTrt_F
POMT2	1.29E-04	0.47718	0.965	0.95	1	HC_vs_MS.NoTrt_F
UTP3	1.30E-04	-0.889	0.032	0.12	1	HC_vs_MS.NoTrt_F
GPR18	1.30E-04	-0.4549	0.072	0.18	1	HC_vs_MS.NoTrt_F
PBX4	1.31E-04	-0.4542	0.197	0.35	1	HC_vs_MS.NoTrt_F
ZDHHC24	1.31E-04	0.30801	0.942	0.87	1	HC_vs_MS.NoTrt_F
TSSC4	1.33E-04	-0.3826	0.127	0.26	1	HC_vs_MS.NoTrt_F
TMEM212	1.36E-04	0.38083	0.974	0.96	1	HC_vs_MS.NoTrt_F
UBE2L3	1.37E-04	-0.6191	0.286	0.45	1	HC_vs_MS.NoTrt_F
ATP5J2-PTCI	1.39E-04	-0.5437	0.032	0.12	1	HC_vs_MS.NoTrt_F
KPNA5	1.39E-04	0.29172	0.997	0.98	1	HC_vs_MS.NoTrt_F
IFI27L1	1.40E-04	0.40532	0.035	0.12	1	HC_vs_MS.NoTrt_F
SCAF11	1.40E-04	-0.3537	0.899	0.93	1	HC_vs_MS.NoTrt_F
ZNF92	1.40E-04	-1.5066	0.11	0.23	1	HC_vs_MS.NoTrt_F
MKRN2	1.40E-04	-0.5509	0.118	0.24	1	HC_vs_MS.NoTrt_F
PREP	1.41E-04	-0.3086	0.13	0.26	1	HC_vs_MS.NoTrt_F
KCTD5	1.42E-04	-1.1947	0.081	0.19	1	HC_vs_MS.NoTrt_F
RAB10	1.43E-04	-0.4532	0.225	0.37	1	HC_vs_MS.NoTrt_F
CSK	1.44E-04	-0.298	0.283	0.46	1	HC_vs_MS.NoTrt_F
NOC4L	1.45E-04	-0.4465	0.075	0.19	1	HC_vs_MS.NoTrt_F
GNG11	1.45E-04	0.98684	0.136	0.03	1	HC_vs_MS.NoTrt_F
TMEM230	1.47E-04	-0.3458	0.46	0.63	1	HC_vs_MS.NoTrt_F
TRIB2	1.47E-04	-0.8776	0.367	0.5	1	HC_vs_MS.NoTrt_F
CAP1	1.48E-04	-0.3725	0.618	0.79	1	HC_vs_MS.NoTrt_F
SMIM15	1.50E-04	-0.9022	0.104	0.22	1	HC_vs_MS.NoTrt_F
MARS2	1.50E-04	-0.5101	0.055	0.16	1	HC_vs_MS.NoTrt_F
CD164	1.52E-04	-0.4038	0.598	0.73	1	HC_vs_MS.NoTrt_F
COPG1	1.53E-04	-0.8639	0.173	0.32	1	HC_vs_MS.NoTrt_F
ZNF184	1.56E-04	-0.4949	0.087	0.2	1	HC_vs_MS.NoTrt_F
ZRANB2	1.59E-04	-0.4769	0.353	0.51	1	HC_vs_MS.NoTrt_F
MCM9	1.60E-04	-1.1878	0.341	0.48	1	HC_vs_MS.NoTrt_F
JUN	1.60E-04	-0.3529	0.491	0.64	1	HC_vs_MS.NoTrt_F
RAB35	1.61E-04	-0.748	0.168	0.3	1	HC_vs_MS.NoTrt_F
UNC119B	1.63E-04	-0.5429	0.052	0.15	1	HC_vs_MS.NoTrt_F
IFT43	1.64E-04	-0.6274	0.069	0.18	1	HC_vs_MS.NoTrt_F
BRPF1	1.64E-04	-0.553	0.075	0.18	1	HC_vs_MS.NoTrt_F
PRDX1	1.67E-04	-0.2539	0.607	0.75	1	HC_vs_MS.NoTrt_F
FAM173A	1.67E-04	0.2604	0.069	0.18	1	HC_vs_MS.NoTrt_F
NFYB	1.68E-04	-1.2086	0.303	0.43	1	HC_vs_MS.NoTrt_F
SETD3	1.69E-04	-0.5309	0.121	0.25	1	HC_vs_MS.NoTrt_F



CIAPIN1	1.69E-04	-0.6661	0.098	0.22	1	HC_vs_MS.NoTrt_F
TMEM9B	1.70E-04	-0.332	0.228	0.39	1	HC_vs_MS.NoTrt_F
PRKAR1A	1.71E-04	-0.3249	0.353	0.52	1	HC_vs_MS.NoTrt_F
UBE2K	1.71E-04	-0.5309	0.162	0.3	1	HC_vs_MS.NoTrt_F
PCF11	1.71E-04	-0.4111	0.512	0.65	1	HC_vs_MS.NoTrt_F
CXXC1	1.74E-04	-0.3966	0.211	0.37	1	HC_vs_MS.NoTrt_F
KBTBD4	1.77E-04	-0.7592	0.084	0.19	1	HC_vs_MS.NoTrt_F
NPM1	1.78E-04	-0.2795	0.636	0.78	1	HC_vs_MS.NoTrt_F
DCAF15	1.79E-04	-0.4178	0.052	0.15	1	HC_vs_MS.NoTrt_F
CHMP7	1.86E-04	-0.5478	0.465	0.6	1	HC_vs_MS.NoTrt_F
PCDHGA6	1.87E-04	0.52171	0.85	0.75	1	HC_vs_MS.NoTrt_F
YWHAG	1.87E-04	-0.3213	0.145	0.28	1	HC_vs_MS.NoTrt_F
SGPP1	1.91E-04	0.26988	0.104	0.23	1	HC_vs_MS.NoTrt_F
TCP1	1.96E-04	-0.5431	0.428	0.58	1	HC_vs_MS.NoTrt_F
NDC1	1.97E-04	-0.5374	0.066	0.17	1	HC_vs_MS.NoTrt_F
ZNF142	1.97E-04	-0.6364	0.136	0.27	1	HC_vs_MS.NoTrt_F
IK	1.99E-04	-0.3066	0.803	0.93	1	HC_vs_MS.NoTrt_F
GOPC	2.02E-04	-0.661	0.145	0.28	1	HC_vs_MS.NoTrt_F
ATP6V1G1	2.02E-04	-0.2652	0.425	0.62	1	HC_vs_MS.NoTrt_F
COMMD1	2.03E-04	0.53747	0.621	0.82	1	HC_vs_MS.NoTrt_F
TMF1	2.03E-04	-0.2707	0.228	0.39	1	HC_vs_MS.NoTrt_F
EPSTI1	2.04E-04	-0.7316	0.173	0.32	1	HC_vs_MS.NoTrt_F
FH	2.04E-04	-0.2667	0.075	0.18	1	HC_vs_MS.NoTrt_F
DNAJC10	2.05E-04	0.26479	0.974	0.97	1	HC_vs_MS.NoTrt_F
PERP	2.06E-04	-0.5554	0.087	0.2	1	HC_vs_MS.NoTrt_F
PDCD2L	2.07E-04	-1.3865	0.043	0.13	1	HC_vs_MS.NoTrt_F
C3orf58	2.10E-04	-0.6342	0.104	0.22	1	HC_vs_MS.NoTrt_F
MED7	2.10E-04	-0.4026	0.081	0.19	1	HC_vs_MS.NoTrt_F
CFAP69	2.12E-04	0.53057	0.873	0.82	1	HC_vs_MS.NoTrt_F
TIMP3	2.14E-04	1.86254	0.228	0.11	1	HC_vs_MS.NoTrt_F
RB1CC1	2.20E-04	-0.7781	0.306	0.44	1	HC_vs_MS.NoTrt_F
HSPA1L	2.20E-04	-1.0201	0.04	0.13	1	HC_vs_MS.NoTrt_F
DGUOK	2.23E-04	-0.3088	0.217	0.37	1	HC_vs_MS.NoTrt_F
OPHN1	2.27E-04	0.3928	0.977	0.98	1	HC_vs_MS.NoTrt_F
SHMT2	2.32E-04	-0.6611	0.254	0.4	1	HC_vs_MS.NoTrt_F
R3HCC1L	2.35E-04	-0.2531	0.298	0.45	1	HC_vs_MS.NoTrt_F
ANKRD18A	2.37E-04	-0.6404	0.28	0.42	1	HC_vs_MS.NoTrt_F
HKDC1	2.40E-04	-0.7953	0.061	0.16	1	HC_vs_MS.NoTrt_F
SEPHS1	2.40E-04	-0.5041	0.075	0.18	1	HC_vs_MS.NoTrt_F
MSN	2.44E-04	-0.3572	0.598	0.75	1	HC_vs_MS.NoTrt_F

NDUFAF3	2.46E-04	-0.3815	0.185	0.33	1	HC_vs_MS.NoTrt_F
EIF4E3	2.49E-04	-0.7895	0.176	0.32	1	HC_vs_MS.NoTrt_F
MT-ND1	2.50E-04	0.589	0.945	0.94	1	HC_vs_MS.NoTrt_F
CLPTM1L	2.52E-04	1.58615	0.078	0.19	1	HC_vs_MS.NoTrt_F
STRIP1	2.54E-04	-0.6823	0.179	0.31	1	HC_vs_MS.NoTrt_F
MIF4GD	2.55E-04	-0.2631	0.142	0.28	1	HC_vs_MS.NoTrt_F
CCDC65	2.57E-04	-0.643	0.069	0.17	1	HC_vs_MS.NoTrt_F
ZC3H7A	2.60E-04	-0.4297	0.416	0.56	1	HC_vs_MS.NoTrt_F
METTL13	2.64E-04	-0.5802	0.072	0.18	1	HC_vs_MS.NoTrt_F
C9orf84	2.64E-04	-0.8204	0.043	0.13	1	HC_vs_MS.NoTrt_F
RP11-307N1	2.65E-04	-0.3582	0.116	0.24	1	HC_vs_MS.NoTrt_F
RUNDC3B	2.70E-04	-0.3196	0.309	0.44	1	HC_vs_MS.NoTrt_F
GOLGA1	2.72E-04	-1.0635	0.127	0.24	1	HC_vs_MS.NoTrt_F
AHCTF1	2.72E-04	-0.4295	0.171	0.3	1	HC_vs_MS.NoTrt_F
CTTN	2.74E-04	1.68121	0.295	0.16	1	HC_vs_MS.NoTrt_F
ARHGAP9	2.78E-04	-0.304	0.624	0.77	1	HC_vs_MS.NoTrt_F
UBR7	2.79E-04	-0.4768	0.13	0.25	1	HC_vs_MS.NoTrt_F
RNF126	2.81E-04	-0.3962	0.22	0.37	1	HC_vs_MS.NoTrt_F
SPARC	2.81E-04	2.20284	0.249	0.13	1	HC_vs_MS.NoTrt_F
WBP1L	2.81E-04	-1.3442	0.124	0.24	1	HC_vs_MS.NoTrt_F
IRF7	2.82E-04	-0.268	0.145	0.28	1	HC_vs_MS.NoTrt_F
TMEM205	2.84E-04	-0.5513	0.118	0.24	1	HC_vs_MS.NoTrt_F
SPATA4	2.85E-04	0.49935	0.72	0.54	1	HC_vs_MS.NoTrt_F
RP11-500M8	2.87E-04	-0.4272	0.124	0.25	1	HC_vs_MS.NoTrt_F
DNTTIP2	2.87E-04	0.28743	0.96	0.95	1	HC_vs_MS.NoTrt_F
STX16-NPEP	2.89E-04	-0.409	0.113	0.23	1	HC_vs_MS.NoTrt_F
ZNF77	2.90E-04	-1.4175	0.035	0.12	1	HC_vs_MS.NoTrt_F
C6orf47	2.90E-04	-0.7721	0.107	0.22	1	HC_vs_MS.NoTrt_F
LEF1	2.90E-04	-0.2701	0.379	0.55	1	HC_vs_MS.NoTrt_F
ACOT8	2.92E-04	-0.4936	0.13	0.25	1	HC_vs_MS.NoTrt_F
LYPLA2	2.95E-04	-0.2958	0.208	0.36	1	HC_vs_MS.NoTrt_F
ZSWIM6	2.96E-04	-0.2581	0.072	0.18	1	HC_vs_MS.NoTrt_F
RGPD5	2.97E-04	0.65197	0.919	0.9	1	HC_vs_MS.NoTrt_F
C2orf76	3.01E-04	-0.7167	0.029	0.11	1	HC_vs_MS.NoTrt_F
KCNN4	3.03E-04	-0.3227	0.182	0.32	1	HC_vs_MS.NoTrt_F
FAM21A	3.05E-04	-0.7007	0.225	0.38	1	HC_vs_MS.NoTrt_F
RP11-108K1	3.09E-04	-0.2665	0.029	0.11	1	HC_vs_MS.NoTrt_F
LEKR1	3.10E-04	-0.4909	0.176	0.32	1	HC_vs_MS.NoTrt_F
BUB1	3.10E-04	-1.3685	0.029	0.11	1	HC_vs_MS.NoTrt_F
DUT	3.11E-04	-0.3037	0.165	0.3	1	HC_vs_MS.NoTrt_F

GOLGA5	3.13E-04	-0.8264	0.142	0.27	1	HC_vs_MS.NoTrt_F
SIRT6	3.13E-04	-0.8016	0.066	0.17	1	HC_vs_MS.NoTrt_F
SLC16A6	3.13E-04	-0.6055	0.275	0.41	1	HC_vs_MS.NoTrt_F
TMEM248	3.16E-04	-0.5234	0.22	0.35	1	HC_vs_MS.NoTrt_F
RNF121	3.18E-04	-0.4548	0.361	0.51	1	HC_vs_MS.NoTrt_F
RBM22	3.22E-04	-0.2644	0.165	0.3	1	HC_vs_MS.NoTrt_F
NPDC1	3.23E-04	-0.2546	0.069	0.17	1	HC_vs_MS.NoTrt_F
NKRF	3.25E-04	-0.3279	0.072	0.18	1	HC_vs_MS.NoTrt_F
ALKBH7	3.27E-04	-0.3707	0.133	0.26	1	HC_vs_MS.NoTrt_F
RAB40C	3.27E-04	-0.3064	0.032	0.11	1	HC_vs_MS.NoTrt_F
GOLGA7	3.37E-04	-0.3517	0.199	0.34	1	HC_vs_MS.NoTrt_F
GLYR1	3.39E-04	-0.4138	0.419	0.54	1	HC_vs_MS.NoTrt_F
ARHGEF11	3.42E-04	0.79	0.052	0.14	1	HC_vs_MS.NoTrt_F
PRDM4	3.46E-04	-0.4516	0.069	0.17	1	HC_vs_MS.NoTrt_F
C7orf26	3.47E-04	0.31051	0.098	0.21	1	HC_vs_MS.NoTrt_F
HCFC2	3.48E-04	-0.9501	0.078	0.18	1	HC_vs_MS.NoTrt_F
C7orf43	3.51E-04	0.421	0.052	0.14	1	HC_vs_MS.NoTrt_F
HOXB3	3.52E-04	0.48124	0.052	0.14	1	HC_vs_MS.NoTrt_F
PPCDC	3.53E-04	-0.5851	0.081	0.19	1	HC_vs_MS.NoTrt_F
ZNF740	3.55E-04	0.30877	0.153	0.29	1	HC_vs_MS.NoTrt_F
LTV1	3.56E-04	-0.7082	0.139	0.26	1	HC_vs_MS.NoTrt_F
CANT1	3.59E-04	-0.8978	0.095	0.2	1	HC_vs_MS.NoTrt_F
ZDHC8	3.64E-04	-0.3174	0.095	0.2	1	HC_vs_MS.NoTrt_F
MPHOSPH6	3.67E-04	-0.8846	0.145	0.27	1	HC_vs_MS.NoTrt_F
AC127070.1	3.67E-04	-0.3481	0.066	0.17	1	HC_vs_MS.NoTrt_F
OPTN	3.76E-04	-0.4676	0.728	0.83	1	HC_vs_MS.NoTrt_F
PRMT9	3.77E-04	0.70572	0.223	0.38	1	HC_vs_MS.NoTrt_F
ACCS	3.77E-04	-1.1491	0.072	0.17	1	HC_vs_MS.NoTrt_F
SS18L2	3.77E-04	-0.4913	0.358	0.5	1	HC_vs_MS.NoTrt_F
GIMAP6	3.81E-04	-0.595	0.202	0.34	1	HC_vs_MS.NoTrt_F
SLC12A7	3.82E-04	-0.6987	0.147	0.28	1	HC_vs_MS.NoTrt_F
MTRR	3.84E-04	-0.5363	0.208	0.35	1	HC_vs_MS.NoTrt_F
FKBP8	3.84E-04	0.49944	0.234	0.38	1	HC_vs_MS.NoTrt_F
C19orf43	3.86E-04	-0.4185	0.182	0.32	1	HC_vs_MS.NoTrt_F
FAM210B	3.87E-04	-0.8849	0.312	0.46	1	HC_vs_MS.NoTrt_F
KIAA0196	3.90E-04	-0.3746	0.153	0.28	1	HC_vs_MS.NoTrt_F
GPR171	3.95E-04	-1.6235	0.043	0.13	1	HC_vs_MS.NoTrt_F
FBLN5	3.95E-04	-0.6867	0.199	0.33	1	HC_vs_MS.NoTrt_F
FAM98A	3.96E-04	-0.6619	0.064	0.16	1	HC_vs_MS.NoTrt_F
STK32C	3.96E-04	-0.4956	0.046	0.13	1	HC_vs_MS.NoTrt_F

GPATCH3	3.96E-04	-0.9311	0.072	0.17	1	HC_vs_MS.NoTrt_F
RP11-159D1	3.97E-04	-0.5334	0.139	0.26	1	HC_vs_MS.NoTrt_F
LRRRC61	3.98E-04	-0.9762	0.072	0.17	1	HC_vs_MS.NoTrt_F
PRMT5	3.98E-04	-0.7445	0.061	0.16	1	HC_vs_MS.NoTrt_F
TMEM14A	3.99E-04	-0.5399	0.101	0.21	1	HC_vs_MS.NoTrt_F
GDI2	4.01E-04	-0.2899	0.451	0.6	1	HC_vs_MS.NoTrt_F
CA4	4.02E-04	1.91289	0.211	0.1	1	HC_vs_MS.NoTrt_F
LBR	4.03E-04	-0.4897	0.249	0.39	1	HC_vs_MS.NoTrt_F
GTF2F2	4.03E-04	-0.6865	0.211	0.34	1	HC_vs_MS.NoTrt_F
AP1S1	4.04E-04	-0.42	0.064	0.16	1	HC_vs_MS.NoTrt_F
HHIPL1	4.05E-04	-0.3031	0.121	0.24	1	HC_vs_MS.NoTrt_F
RNF123	4.09E-04	-0.7403	0.156	0.29	1	HC_vs_MS.NoTrt_F
EMC9	4.12E-04	-0.529	0.049	0.14	1	HC_vs_MS.NoTrt_F
VPS16	4.17E-04	-0.2975	0.153	0.29	1	HC_vs_MS.NoTrt_F
ZFP62	4.19E-04	-1.0319	0.09	0.19	1	HC_vs_MS.NoTrt_F
COG3	4.20E-04	-0.7682	0.168	0.29	1	HC_vs_MS.NoTrt_F
CEMP1	4.21E-04	-0.2877	0.078	0.18	1	HC_vs_MS.NoTrt_F
PASK	4.25E-04	-0.458	0.514	0.65	1	HC_vs_MS.NoTrt_F
CP	4.26E-04	-0.5413	0.15	0.27	1	HC_vs_MS.NoTrt_F
MCM2	4.26E-04	-1.5081	0.043	0.13	1	HC_vs_MS.NoTrt_F
AC009950.1	4.29E-04	-0.4963	0.064	0.16	1	HC_vs_MS.NoTrt_F
APH1B	4.41E-04	-0.8696	0.072	0.17	1	HC_vs_MS.NoTrt_F
PDGFA	4.41E-04	-0.2654	0.578	0.68	1	HC_vs_MS.NoTrt_F
AGO3	4.43E-04	0.32677	0.986	0.98	1	HC_vs_MS.NoTrt_F
NUS1	4.45E-04	-0.3349	0.066	0.17	1	HC_vs_MS.NoTrt_F
CHST6	4.46E-04	0.38784	0.916	0.88	1	HC_vs_MS.NoTrt_F
RAB2A	4.47E-04	-0.461	0.251	0.39	1	HC_vs_MS.NoTrt_F
SOCS5	4.50E-04	0.5465	0.064	0.16	1	HC_vs_MS.NoTrt_F
SESN2	4.52E-04	-1.0065	0.043	0.13	1	HC_vs_MS.NoTrt_F
PAPD7	4.54E-04	-1.5087	0.087	0.19	1	HC_vs_MS.NoTrt_F
CLEC2B	4.58E-04	-0.4592	0.251	0.38	1	HC_vs_MS.NoTrt_F
CRIP1	4.61E-04	-0.3803	0.246	0.39	1	HC_vs_MS.NoTrt_F
GEMIN7	4.62E-04	-0.5448	0.22	0.35	1	HC_vs_MS.NoTrt_F
ID3	4.63E-04	-0.3312	0.237	0.38	1	HC_vs_MS.NoTrt_F
THEM6	4.63E-04	-0.5078	0.09	0.19	1	HC_vs_MS.NoTrt_F
BLCAP	4.65E-04	-0.4811	0.353	0.5	1	HC_vs_MS.NoTrt_F
PIK3CA	4.65E-04	0.39591	0.046	0.13	1	HC_vs_MS.NoTrt_F
ZNF232	4.67E-04	-0.2886	0.043	0.13	1	HC_vs_MS.NoTrt_F
TDRKH	4.69E-04	-0.4716	0.075	0.18	1	HC_vs_MS.NoTrt_F
HNRNPM	4.69E-04	-0.4303	0.266	0.41	1	HC_vs_MS.NoTrt_F

UFM1	4.75E-04	-0.2977	0.405	0.55	1	HC_vs_MS.NoTrt_F
PEX6	4.75E-04	-0.6084	0.043	0.13	1	HC_vs_MS.NoTrt_F
C9orf69	4.76E-04	-0.6061	0.043	0.13	1	HC_vs_MS.NoTrt_F
CWC22	4.77E-04	-0.294	0.179	0.31	1	HC_vs_MS.NoTrt_F
SNX3	4.78E-04	-0.5117	0.182	0.32	1	HC_vs_MS.NoTrt_F
ADPRHL2	4.82E-04	-1.1457	0.095	0.2	1	HC_vs_MS.NoTrt_F
PHF14	4.84E-04	-0.3129	0.15	0.28	1	HC_vs_MS.NoTrt_F
RBM15B	4.87E-04	-1.2269	0.04	0.12	1	HC_vs_MS.NoTrt_F
BYSL	4.88E-04	-1.2225	0.066	0.16	1	HC_vs_MS.NoTrt_F
RRAGB	4.89E-04	-0.9331	0.084	0.18	1	HC_vs_MS.NoTrt_F
PRDX6	4.89E-04	-0.6748	0.173	0.29	1	HC_vs_MS.NoTrt_F
AKIRIN1	4.93E-04	-0.5788	0.535	0.68	1	HC_vs_MS.NoTrt_F
DHRS4	4.94E-04	-0.3841	0.116	0.23	1	HC_vs_MS.NoTrt_F
OR2A7	4.95E-04	-0.6911	0.043	0.13	1	HC_vs_MS.NoTrt_F
CHCHD3	5.02E-04	-0.4366	0.173	0.3	1	HC_vs_MS.NoTrt_F
ZNF79	5.07E-04	-0.4479	0.072	0.17	1	HC_vs_MS.NoTrt_F
TRAPPC6A	5.07E-04	-0.3721	0.185	0.32	1	HC_vs_MS.NoTrt_F
MTERF4	5.09E-04	-0.3745	0.431	0.56	1	HC_vs_MS.NoTrt_F
BEX3	5.12E-04	-0.7163	0.145	0.26	1	HC_vs_MS.NoTrt_F
IL2RA	5.19E-04	-0.3123	0.387	0.54	1	HC_vs_MS.NoTrt_F
COA3	5.24E-04	-0.4976	0.145	0.27	1	HC_vs_MS.NoTrt_F
SMIM4	5.25E-04	-0.7626	0.064	0.16	1	HC_vs_MS.NoTrt_F
MORC2	5.26E-04	-0.2659	0.434	0.54	1	HC_vs_MS.NoTrt_F
PHC1	5.28E-04	-0.6316	0.124	0.24	1	HC_vs_MS.NoTrt_F
MS4A15	5.31E-04	-0.4114	0.038	0.12	1	HC_vs_MS.NoTrt_F
NAXD	5.37E-04	-0.9036	0.087	0.19	1	HC_vs_MS.NoTrt_F
ATRIP	5.38E-04	-0.4116	0.127	0.24	1	HC_vs_MS.NoTrt_F
ARPC5L	5.40E-04	-0.4211	0.197	0.33	1	HC_vs_MS.NoTrt_F
METTL4	5.41E-04	-0.8411	0.124	0.24	1	HC_vs_MS.NoTrt_F
UBE2D3	5.45E-04	-0.2788	0.717	0.82	1	HC_vs_MS.NoTrt_F
CNN2	5.46E-04	-0.3001	0.986	0.98	1	HC_vs_MS.NoTrt_F
PAIP1	5.52E-04	-0.2557	0.147	0.27	1	HC_vs_MS.NoTrt_F
IRGQ	5.57E-04	0.52871	0.991	0.98	1	HC_vs_MS.NoTrt_F
TCEAL4	5.58E-04	-0.8438	0.159	0.28	1	HC_vs_MS.NoTrt_F
ZC3H11A	5.60E-04	-0.7571	0.231	0.35	1	HC_vs_MS.NoTrt_F
TAF4	5.61E-04	-0.4844	0.133	0.26	1	HC_vs_MS.NoTrt_F
AKR1C3	5.64E-04	-1.0339	0.035	0.11	1	HC_vs_MS.NoTrt_F
CTD-2192J10	5.65E-04	0.5275	0.139	0.26	1	HC_vs_MS.NoTrt_F
PLEKHF2	5.65E-04	-1.159	0.101	0.2	1	HC_vs_MS.NoTrt_F
RTFDC1	5.66E-04	-0.3437	0.217	0.36	1	HC_vs_MS.NoTrt_F

HP1BP3	5.66E-04	-0.3364	0.876	0.93	1	HC_vs_MS.NoTrt_F
NDUFB3	5.67E-04	0.32817	0.199	0.34	1	HC_vs_MS.NoTrt_F
C2orf47	5.68E-04	-0.6741	0.035	0.11	1	HC_vs_MS.NoTrt_F
PRADC1	5.71E-04	-0.9033	0.035	0.11	1	HC_vs_MS.NoTrt_F
ARL2BP	5.75E-04	-0.3958	0.153	0.28	1	HC_vs_MS.NoTrt_F
CNST	5.76E-04	-0.6857	0.303	0.46	1	HC_vs_MS.NoTrt_F
HSPG2	5.77E-04	1.60031	0.535	0.41	1	HC_vs_MS.NoTrt_F
ERP44	5.79E-04	-0.3435	0.289	0.43	1	HC_vs_MS.NoTrt_F
CNOT3	5.80E-04	-0.865	0.147	0.26	1	HC_vs_MS.NoTrt_F
CCT4	5.82E-04	-0.4772	0.286	0.43	1	HC_vs_MS.NoTrt_F
BCAP31	5.87E-04	-0.8368	0.185	0.31	1	HC_vs_MS.NoTrt_F
SRA1	5.89E-04	-0.302	0.165	0.29	1	HC_vs_MS.NoTrt_F
PRG4	5.94E-04	-0.5579	0.032	0.11	1	HC_vs_MS.NoTrt_F
RBAK	6.02E-04	-2.0124	0.032	0.11	1	HC_vs_MS.NoTrt_F
PPP1R7	6.13E-04	-0.527	0.185	0.31	1	HC_vs_MS.NoTrt_F
TTL12	6.13E-04	-0.599	0.058	0.15	1	HC_vs_MS.NoTrt_F
RP11-371E8	6.20E-04	-0.316	0.035	0.11	1	HC_vs_MS.NoTrt_F
SNU13	6.23E-04	-0.499	0.324	0.48	1	HC_vs_MS.NoTrt_F
ACTR8	6.24E-04	-0.3866	0.081	0.18	1	HC_vs_MS.NoTrt_F
RTN4IP1	6.27E-04	-0.8848	0.035	0.11	1	HC_vs_MS.NoTrt_F
YIPF2	6.35E-04	-0.5357	0.095	0.2	1	HC_vs_MS.NoTrt_F
MICU2	6.36E-04	-0.2914	0.474	0.62	1	HC_vs_MS.NoTrt_F
U2AF1	6.40E-04	-0.864	0.532	0.64	1	HC_vs_MS.NoTrt_F
HDLBP	6.42E-04	-0.3758	0.486	0.6	1	HC_vs_MS.NoTrt_F
PPM1A	6.42E-04	-0.7289	0.179	0.31	1	HC_vs_MS.NoTrt_F
TCP11L2	6.45E-04	-0.4297	0.295	0.42	1	HC_vs_MS.NoTrt_F
KMT2D	6.49E-04	1.03393	0.87	0.86	1	HC_vs_MS.NoTrt_F
CLPTM1	6.50E-04	-0.4463	0.225	0.35	1	HC_vs_MS.NoTrt_F
FAM86C1	6.52E-04	-0.7244	0.052	0.14	1	HC_vs_MS.NoTrt_F
FUCA2	6.53E-04	-0.3394	0.335	0.48	1	HC_vs_MS.NoTrt_F
MBD2	6.53E-04	-0.4711	0.095	0.2	1	HC_vs_MS.NoTrt_F
ECH1	6.55E-04	-0.3055	0.405	0.55	1	HC_vs_MS.NoTrt_F
TCEA2	6.56E-04	-0.5026	0.032	0.11	1	HC_vs_MS.NoTrt_F
COPG2	6.61E-04	0.67173	0.092	0.2	1	HC_vs_MS.NoTrt_F
HS3ST3A1	6.61E-04	-0.306	0.084	0.19	1	HC_vs_MS.NoTrt_F
SPARCL1	6.72E-04	1.47554	0.292	0.17	1	HC_vs_MS.NoTrt_F
SH3BP5L	6.78E-04	-0.3555	0.052	0.14	1	HC_vs_MS.NoTrt_F
DESI2	6.81E-04	0.25865	0.081	0.18	1	HC_vs_MS.NoTrt_F
LARP1B	6.83E-04	-1.1848	0.075	0.17	1	HC_vs_MS.NoTrt_F
ZNF511	6.83E-04	-0.6889	0.092	0.19	1	HC_vs_MS.NoTrt_F

EIF4B	6.87E-04	-0.3117	0.743	0.8	1	HC_vs_MS.NoTrt_F
TAGAP	6.90E-04	-0.2737	0.353	0.52	1	HC_vs_MS.NoTrt_F
TAF5L	6.95E-04	-0.8243	0.171	0.3	1	HC_vs_MS.NoTrt_F
LDLRAP1	6.96E-04	-0.2979	0.431	0.58	1	HC_vs_MS.NoTrt_F
PLEKHO2	6.98E-04	-0.5035	0.104	0.21	1	HC_vs_MS.NoTrt_F
JMJD7-PLA2	6.99E-04	-0.5705	0.329	0.47	1	HC_vs_MS.NoTrt_F
ALCAM	7.00E-04	-0.9368	0.066	0.16	1	HC_vs_MS.NoTrt_F
GSPT2	7.07E-04	0.53433	0.052	0.14	1	HC_vs_MS.NoTrt_F
OLFM2	7.16E-04	-1.3431	0.098	0.2	1	HC_vs_MS.NoTrt_F
LIG1	7.17E-04	-0.5281	0.194	0.33	1	HC_vs_MS.NoTrt_F
ELAVL1	7.21E-04	0.35753	0.983	0.97	1	HC_vs_MS.NoTrt_F
SURF1	7.31E-04	-0.506	0.113	0.22	1	HC_vs_MS.NoTrt_F
PHLDB1	7.34E-04	0.74388	0.986	0.97	1	HC_vs_MS.NoTrt_F
LINC00998	7.38E-04	-0.2611	0.081	0.18	1	HC_vs_MS.NoTrt_F
GCA	7.39E-04	-0.8813	0.095	0.19	1	HC_vs_MS.NoTrt_F
ATP2C2	7.41E-04	0.43502	0.032	0.11	1	HC_vs_MS.NoTrt_F
GPS1	7.48E-04	-0.4691	0.162	0.28	1	HC_vs_MS.NoTrt_F
DUSP22	7.48E-04	-0.5295	0.116	0.23	1	HC_vs_MS.NoTrt_F
MYH9	7.57E-04	-0.313	0.829	0.95	1	HC_vs_MS.NoTrt_F
KAT14	7.66E-04	-0.6248	0.072	0.17	1	HC_vs_MS.NoTrt_F
RNF113A	7.70E-04	-0.6093	0.139	0.25	1	HC_vs_MS.NoTrt_F
PSAT1	7.71E-04	-0.4678	0.064	0.16	1	HC_vs_MS.NoTrt_F
LSP1	7.79E-04	-0.2539	0.711	0.87	1	HC_vs_MS.NoTrt_F
KPNA6	7.80E-04	-0.3828	0.592	0.72	1	HC_vs_MS.NoTrt_F
VAMP7	7.81E-04	-1.0185	0.127	0.24	1	HC_vs_MS.NoTrt_F
SYNJ2BP-CO	7.93E-04	-0.3068	0.168	0.3	1	HC_vs_MS.NoTrt_F
VAMP2	8.00E-04	-0.2613	0.445	0.61	1	HC_vs_MS.NoTrt_F
YTHDF1	8.04E-04	-0.2614	0.081	0.18	1	HC_vs_MS.NoTrt_F
AGAP9	8.07E-04	0.58305	0.084	0.19	1	HC_vs_MS.NoTrt_F
CAV1	8.10E-04	1.43021	0.171	0.07	1	HC_vs_MS.NoTrt_F
LSM14A	8.12E-04	-0.3188	0.523	0.66	1	HC_vs_MS.NoTrt_F
CUL4A	8.19E-04	-0.4877	0.723	0.83	1	HC_vs_MS.NoTrt_F
MAN1B1	8.21E-04	-0.4992	0.329	0.48	1	HC_vs_MS.NoTrt_F
TLDC2	8.27E-04	1.17145	0.066	0.16	1	HC_vs_MS.NoTrt_F
FBXO34	8.34E-04	-1.155	0.142	0.25	1	HC_vs_MS.NoTrt_F
GAR1	8.35E-04	-0.8553	0.061	0.15	1	HC_vs_MS.NoTrt_F
FIG4	8.39E-04	-1.2956	0.061	0.15	1	HC_vs_MS.NoTrt_F
FAM118B	8.42E-04	-0.373	0.072	0.17	1	HC_vs_MS.NoTrt_F
SRSF9	8.45E-04	-0.4945	0.156	0.28	1	HC_vs_MS.NoTrt_F
ATG5	8.45E-04	-0.3553	0.185	0.32	1	HC_vs_MS.NoTrt_F

ZFAND2B	8.47E-04	-0.8211	0.231	0.35	1	HC_vs_MS.NoTrt_F
AGGF1	8.48E-04	-0.6565	0.165	0.29	1	HC_vs_MS.NoTrt_F
CEP85	8.59E-04	-0.9338	0.139	0.25	1	HC_vs_MS.NoTrt_F
PLAA	8.66E-04	-0.3041	0.133	0.25	1	HC_vs_MS.NoTrt_F
HTATSF1	8.72E-04	-0.5121	0.159	0.28	1	HC_vs_MS.NoTrt_F
GIMAP8	8.81E-04	-0.7362	0.087	0.18	1	HC_vs_MS.NoTrt_F
TREX1	8.89E-04	0.30136	0.121	0.24	1	HC_vs_MS.NoTrt_F
EMC7	8.92E-04	-0.3281	0.22	0.34	1	HC_vs_MS.NoTrt_F
ST7	8.95E-04	-0.9224	0.084	0.18	1	HC_vs_MS.NoTrt_F
SIGMAR1	9.15E-04	-0.3444	0.202	0.33	1	HC_vs_MS.NoTrt_F
SORBS2	9.18E-04	0.49471	0.665	0.52	1	HC_vs_MS.NoTrt_F
STT3A	9.18E-04	-0.9181	0.61	0.73	1	HC_vs_MS.NoTrt_F
ZNF155	9.34E-04	-1.2845	0.043	0.12	1	HC_vs_MS.NoTrt_F
TRIM23	9.37E-04	-0.835	0.072	0.17	1	HC_vs_MS.NoTrt_F
PAFAH1B3	9.42E-04	-0.2587	0.11	0.22	1	HC_vs_MS.NoTrt_F
KPNB1	9.45E-04	-0.4361	0.679	0.74	1	HC_vs_MS.NoTrt_F
PPP1R21	9.46E-04	-0.3421	0.275	0.41	1	HC_vs_MS.NoTrt_F
KLHDC7B	9.46E-04	0.5899	0.046	0.13	1	HC_vs_MS.NoTrt_F
MRPS2	9.49E-04	-0.5006	0.101	0.2	1	HC_vs_MS.NoTrt_F
RNF5	9.57E-04	-0.4381	0.156	0.28	1	HC_vs_MS.NoTrt_F
BRWD1	9.58E-04	-0.619	0.85	0.84	1	HC_vs_MS.NoTrt_F
TULP3	9.58E-04	-0.35	0.046	0.13	1	HC_vs_MS.NoTrt_F
ARHGAP19-!	9.59E-04	-0.7644	0.04	0.12	1	HC_vs_MS.NoTrt_F
PHF1	9.60E-04	0.29806	0.234	0.38	1	HC_vs_MS.NoTrt_F
ZNF691	9.61E-04	0.27367	0.046	0.13	1	HC_vs_MS.NoTrt_F
RP4-635E18	9.65E-04	-0.4712	0.173	0.29	1	HC_vs_MS.NoTrt_F
DCTPP1	9.74E-04	-0.9445	0.095	0.19	1	HC_vs_MS.NoTrt_F
PCGF3	9.81E-04	-0.3512	0.228	0.36	1	HC_vs_MS.NoTrt_F
TECPR1	9.82E-04	-0.6252	0.509	0.6	1	HC_vs_MS.NoTrt_F
ATP5I	9.83E-04	0.29425	0.283	0.47	1	HC_vs_MS.NoTrt_F
CEACAM21	9.87E-04	-0.6549	0.275	0.39	1	HC_vs_MS.NoTrt_F
RP11-529K1	0.00101	-0.3544	0.095	0.2	1	HC_vs_MS.NoTrt_F
ZDHHC5	0.00101	0.3903	0.142	0.26	1	HC_vs_MS.NoTrt_F
SMIM20	0.00102	-0.2979	0.087	0.18	1	HC_vs_MS.NoTrt_F
TOMM6	0.00102	-0.2594	0.24	0.38	1	HC_vs_MS.NoTrt_F
WRAP53	0.00104	-0.4018	0.043	0.12	1	HC_vs_MS.NoTrt_F
STK17A	0.00105	-0.4074	0.289	0.44	1	HC_vs_MS.NoTrt_F
SLC38A1	0.00105	-0.2934	0.783	0.87	1	HC_vs_MS.NoTrt_F
ANKRD55	0.00106	-0.3799	0.182	0.3	1	HC_vs_MS.NoTrt_F
LAMP1	0.00106	0.26945	0.41	0.54	1	HC_vs_MS.NoTrt_F



NIPSNAP3A	0.00106	-0.4879	0.069	0.16	1	HC_vs_MS.NoTrt_F
EIF3E	0.00106	-0.5107	0.538	0.64	1	HC_vs_MS.NoTrt_F
FBXO28	0.00107	-0.6791	0.116	0.22	1	HC_vs_MS.NoTrt_F
C12orf75	0.00107	-0.2958	0.176	0.3	1	HC_vs_MS.NoTrt_F
TMEM41A	0.00107	0.7468	0.858	0.79	1	HC_vs_MS.NoTrt_F
TOPORS	0.00107	-0.3748	0.124	0.23	1	HC_vs_MS.NoTrt_F
ZBTB33	0.00108	-0.9978	0.101	0.2	1	HC_vs_MS.NoTrt_F
SAV1	0.00108	-0.3556	0.329	0.48	1	HC_vs_MS.NoTrt_F
WAC	0.00109	-0.4515	0.448	0.59	1	HC_vs_MS.NoTrt_F
ASNSD1	0.00109	-0.2751	0.165	0.29	1	HC_vs_MS.NoTrt_F
HSPA9	0.00109	-0.261	0.54	0.66	1	HC_vs_MS.NoTrt_F
C8orf44-SGk	0.0011	-0.2788	0.101	0.2	1	HC_vs_MS.NoTrt_F
CELF1	0.0011	-0.6609	0.477	0.58	1	HC_vs_MS.NoTrt_F
RNF145	0.00111	-0.6933	0.191	0.32	1	HC_vs_MS.NoTrt_F
METTL10	0.00111	-0.3656	0.324	0.46	1	HC_vs_MS.NoTrt_F
TAX1BP3	0.00112	-0.5903	0.081	0.18	1	HC_vs_MS.NoTrt_F
TMPRSS4-A5	0.00113	-0.3901	0.069	0.16	1	HC_vs_MS.NoTrt_F
ZNF606	0.00113	0.42577	0.815	0.78	1	HC_vs_MS.NoTrt_F
PDGFRB	0.00113	2.36476	0.116	0.03	1	HC_vs_MS.NoTrt_F
RBM14-RBM	0.00114	-0.7545	0.139	0.25	1	HC_vs_MS.NoTrt_F
PPP4C	0.00114	-0.3115	0.431	0.56	1	HC_vs_MS.NoTrt_F
SPP2	0.00114	0.40905	0.809	0.75	1	HC_vs_MS.NoTrt_F
NDUFA8	0.00114	-0.3842	0.116	0.22	1	HC_vs_MS.NoTrt_F
FNDC3B	0.00115	1.07545	0.783	0.65	1	HC_vs_MS.NoTrt_F
GNG10	0.00115	-0.3016	0.136	0.25	1	HC_vs_MS.NoTrt_F
MRPS14	0.00115	-0.2856	0.176	0.3	1	HC_vs_MS.NoTrt_F
MYC	0.00115	-0.8075	0.168	0.29	1	HC_vs_MS.NoTrt_F
OGFOD2	0.00115	-0.5283	0.121	0.23	1	HC_vs_MS.NoTrt_F
SBDS	0.00119	-0.4082	0.309	0.45	1	HC_vs_MS.NoTrt_F
RAB4B	0.00119	-0.485	0.384	0.5	1	HC_vs_MS.NoTrt_F
LDOC1L	0.00119	-1.374	0.055	0.14	1	HC_vs_MS.NoTrt_F
PRR7	0.00121	0.46611	0.043	0.12	1	HC_vs_MS.NoTrt_F
FUNDC1	0.00121	-0.4314	0.055	0.14	1	HC_vs_MS.NoTrt_F
BTBD10	0.00121	-0.4422	0.159	0.28	1	HC_vs_MS.NoTrt_F
ZNF24	0.00123	-0.3331	0.199	0.33	1	HC_vs_MS.NoTrt_F
DUSP16	0.00123	-0.4929	0.329	0.46	1	HC_vs_MS.NoTrt_F
TIMM22	0.00124	-0.6631	0.107	0.2	1	HC_vs_MS.NoTrt_F
MKRN1	0.00124	-0.8853	0.853	0.9	1	HC_vs_MS.NoTrt_F
MYADM	0.00125	0.93733	0.867	0.81	1	HC_vs_MS.NoTrt_F
LAPTM5	0.00125	-0.3272	0.639	0.76	1	HC_vs_MS.NoTrt_F

PPP1R11	0.00125	-0.4144	0.211	0.34	1	HC_vs_MS.NoTrt_F
SACM1L	0.00125	-0.5218	0.309	0.43	1	HC_vs_MS.NoTrt_F
RP11-411B6	0.00126	0.40937	0.26	0.4	1	HC_vs_MS.NoTrt_F
ZMYND11	0.00126	-0.6933	0.13	0.24	1	HC_vs_MS.NoTrt_F
APH1A	0.00126	-0.4996	0.202	0.33	1	HC_vs_MS.NoTrt_F
MTCH2	0.00126	-0.3493	0.124	0.23	1	HC_vs_MS.NoTrt_F
PNMA1	0.00126	-0.8746	0.09	0.18	1	HC_vs_MS.NoTrt_F
SLC7A1	0.00127	-1.091	0.098	0.19	1	HC_vs_MS.NoTrt_F
SMG8	0.00127	-0.642	0.107	0.21	1	HC_vs_MS.NoTrt_F
CNIH1	0.00128	-0.4123	0.145	0.25	1	HC_vs_MS.NoTrt_F
OTUD6B	0.00129	-0.4833	0.084	0.18	1	HC_vs_MS.NoTrt_F
KIAA1217	0.00129	1.41983	0.165	0.07	1	HC_vs_MS.NoTrt_F
CDKN2AIP	0.00131	-0.4958	0.133	0.24	1	HC_vs_MS.NoTrt_F
TRAPPC6B	0.00133	-0.5092	0.477	0.59	1	HC_vs_MS.NoTrt_F
TMX2	0.00133	-0.3095	0.165	0.28	1	HC_vs_MS.NoTrt_F
MCUB	0.00134	-0.2638	0.306	0.45	1	HC_vs_MS.NoTrt_F
TBC1D8B	0.00134	0.42382	0.965	0.96	1	HC_vs_MS.NoTrt_F
RPP14	0.00134	0.54493	0.951	0.93	1	HC_vs_MS.NoTrt_F
DEF6	0.00135	-0.2639	0.428	0.61	1	HC_vs_MS.NoTrt_F
PLPP6	0.00135	-0.2672	0.061	0.14	1	HC_vs_MS.NoTrt_F
ADIPOR2	0.00135	-0.3947	0.159	0.27	1	HC_vs_MS.NoTrt_F
ATXN7L2	0.00136	0.29835	0.055	0.14	1	HC_vs_MS.NoTrt_F
ICA1	0.00137	1.05645	0.676	0.56	1	HC_vs_MS.NoTrt_F
ABHD4	0.00137	0.31812	0.069	0.16	1	HC_vs_MS.NoTrt_F
FLT1	0.00138	0.45124	0.777	0.59	1	HC_vs_MS.NoTrt_F
CCNT2	0.00138	-0.3926	0.179	0.3	1	HC_vs_MS.NoTrt_F
TRIM73	0.00138	0.35903	0.913	0.91	1	HC_vs_MS.NoTrt_F
SYCP2	0.00138	-0.9225	0.049	0.13	1	HC_vs_MS.NoTrt_F
KLRD1	0.00139	0.43583	0.98	0.98	1	HC_vs_MS.NoTrt_F
ERP29	0.0014	-0.2932	0.858	0.91	1	HC_vs_MS.NoTrt_F
ZFPL1	0.0014	0.9644	0.069	0.16	1	HC_vs_MS.NoTrt_F
FAM8A1	0.0014	0.62529	0.058	0.14	1	HC_vs_MS.NoTrt_F
XPO4	0.0014	-0.7589	0.147	0.26	1	HC_vs_MS.NoTrt_F
GRPEL2	0.00141	-0.3427	0.275	0.4	1	HC_vs_MS.NoTrt_F
OVCA2	0.00142	-0.4097	0.101	0.2	1	HC_vs_MS.NoTrt_F
CRNKL1	0.00142	-0.3473	0.116	0.22	1	HC_vs_MS.NoTrt_F
EPM2AIP1	0.00142	-0.3723	0.309	0.42	1	HC_vs_MS.NoTrt_F
COL4A2	0.00143	1.32199	0.121	0.04	1	HC_vs_MS.NoTrt_F
TRPC4AP	0.00143	-0.4008	0.329	0.46	1	HC_vs_MS.NoTrt_F
ALG6	0.00143	-0.3821	0.147	0.26	1	HC_vs_MS.NoTrt_F

CTU2	0.00144	-0.399	0.052	0.13	1	HC_vs_MS.NoTrt_F
ARHGAP26	0.00145	0.72708	0.777	0.68	1	HC_vs_MS.NoTrt_F
CCDC122	0.00145	0.31096	0.936	0.94	1	HC_vs_MS.NoTrt_F
FAM156B	0.00145	0.35543	0.095	0.19	1	HC_vs_MS.NoTrt_F
RP11-507K1	0.00146	1.04662	0.052	0.13	1	HC_vs_MS.NoTrt_F
RRM1	0.00147	-0.2608	0.387	0.55	1	HC_vs_MS.NoTrt_F
TRIM62	0.00147	0.4877	0.078	0.17	1	HC_vs_MS.NoTrt_F
ZMYM6	0.00147	0.5027	0.884	0.79	1	HC_vs_MS.NoTrt_F
TCF12	0.00148	-0.79	0.306	0.43	1	HC_vs_MS.NoTrt_F
FDXR	0.00148	-0.3215	0.09	0.18	1	HC_vs_MS.NoTrt_F
ZNF507	0.00148	-0.4791	0.197	0.32	1	HC_vs_MS.NoTrt_F
L3MBTL3	0.00148	-0.3399	0.118	0.22	1	HC_vs_MS.NoTrt_F
RUNDC1	0.00149	0.51879	0.775	0.71	1	HC_vs_MS.NoTrt_F
ARMC7	0.00149	-1.0262	0.09	0.18	1	HC_vs_MS.NoTrt_F
TANGO2	0.0015	0.6264	0.887	0.87	1	HC_vs_MS.NoTrt_F
PFKL	0.00151	-0.6061	0.76	0.79	1	HC_vs_MS.NoTrt_F
DNPH1	0.00151	0.32714	0.185	0.32	1	HC_vs_MS.NoTrt_F
ZDHHC7	0.00152	-0.3008	0.194	0.31	1	HC_vs_MS.NoTrt_F
EIF3CL	0.00154	-0.4805	0.191	0.32	1	HC_vs_MS.NoTrt_F
PEPD	0.00154	-0.2617	0.176	0.3	1	HC_vs_MS.NoTrt_F
SFT2D2	0.00154	0.40661	0.991	0.98	1	HC_vs_MS.NoTrt_F
AC138517.6	0.00154	-0.9524	0.107	0.22	1	HC_vs_MS.NoTrt_F
CHCHD1	0.00155	-0.3503	0.116	0.22	1	HC_vs_MS.NoTrt_F
POLR3D	0.00156	0.6122	0.445	0.58	1	HC_vs_MS.NoTrt_F
LTBR	0.00156	0.2655	0.951	0.93	1	HC_vs_MS.NoTrt_F
ATP5J2	0.00157	0.59534	0.353	0.53	1	HC_vs_MS.NoTrt_F
ZNF407	0.00157	-0.4554	0.124	0.23	1	HC_vs_MS.NoTrt_F
RRAGA	0.00157	-0.7904	0.185	0.29	1	HC_vs_MS.NoTrt_F
DUSP10	0.00157	0.44178	0.335	0.49	1	HC_vs_MS.NoTrt_F
C5orf63	0.00158	-0.5009	0.393	0.51	1	HC_vs_MS.NoTrt_F
CRY1	0.00158	-0.4483	0.208	0.34	1	HC_vs_MS.NoTrt_F
PCBD1	0.00158	-0.7758	0.104	0.2	1	HC_vs_MS.NoTrt_F
SPDYE6	0.0016	0.4902	0.145	0.26	1	HC_vs_MS.NoTrt_F
TFE3	0.00161	-0.2659	0.11	0.21	1	HC_vs_MS.NoTrt_F
POLR2C	0.00161	-0.5464	0.569	0.68	1	HC_vs_MS.NoTrt_F
IDUA	0.00161	-0.3604	0.107	0.21	1	HC_vs_MS.NoTrt_F
TMEM30A	0.00161	-0.7426	0.208	0.33	1	HC_vs_MS.NoTrt_F
GNL3	0.00161	-0.382	0.162	0.27	1	HC_vs_MS.NoTrt_F
SQRDL	0.00162	-0.3467	0.171	0.29	1	HC_vs_MS.NoTrt_F
ZNF253	0.00163	0.48291	0.754	0.59	1	HC_vs_MS.NoTrt_F

MED21	0.00163	-0.6817	0.156	0.27	1	HC_vs_MS.NoTrt_F
PYGL	0.00165	0.41229	0.884	0.87	1	HC_vs_MS.NoTrt_F
TTC14	0.00165	-0.3712	0.442	0.54	1	HC_vs_MS.NoTrt_F
DLAT	0.00165	0.38505	0.075	0.17	1	HC_vs_MS.NoTrt_F
INSL3	0.00166	0.27662	0.043	0.12	1	HC_vs_MS.NoTrt_F
RNF219	0.00166	-0.5598	0.072	0.16	1	HC_vs_MS.NoTrt_F
PHF5A	0.00166	-0.4285	0.133	0.24	1	HC_vs_MS.NoTrt_F
ARIH1	0.00166	0.31074	0.974	0.97	1	HC_vs_MS.NoTrt_F
CRYZ	0.00167	-0.604	0.133	0.23	1	HC_vs_MS.NoTrt_F
TOMM5	0.00168	-0.2815	0.194	0.32	1	HC_vs_MS.NoTrt_F
AIDA	0.00168	-0.7686	0.139	0.24	1	HC_vs_MS.NoTrt_F
ABL1	0.00168	0.46946	0.075	0.17	1	HC_vs_MS.NoTrt_F
MT-ND6	0.0017	0.80574	0.777	0.8	1	HC_vs_MS.NoTrt_F
MAP3K4	0.0017	-0.606	0.202	0.33	1	HC_vs_MS.NoTrt_F
CAD	0.0017	1.51577	0.777	0.7	1	HC_vs_MS.NoTrt_F
NLGN3	0.00171	-0.6354	0.064	0.15	1	HC_vs_MS.NoTrt_F
INF2	0.00171	-0.4941	0.249	0.38	1	HC_vs_MS.NoTrt_F
LPCAT1	0.00173	-0.3309	0.064	0.15	1	HC_vs_MS.NoTrt_F
C10orf88	0.00173	-0.3177	0.191	0.31	1	HC_vs_MS.NoTrt_F
DOK1	0.00173	-0.3757	0.107	0.2	1	HC_vs_MS.NoTrt_F
SNRPE	0.00175	0.39204	0.159	0.28	1	HC_vs_MS.NoTrt_F
CRTC1	0.00175	0.41209	0.217	0.35	1	HC_vs_MS.NoTrt_F
DGCR8	0.00175	-0.3795	0.136	0.25	1	HC_vs_MS.NoTrt_F
ZNF44	0.00175	0.58264	0.54	0.69	1	HC_vs_MS.NoTrt_F
STMN3	0.00176	0.57137	0.249	0.39	1	HC_vs_MS.NoTrt_F
RNF185	0.00176	-0.5712	0.306	0.42	1	HC_vs_MS.NoTrt_F
QARS	0.00176	-0.6036	0.246	0.36	1	HC_vs_MS.NoTrt_F
CLASRP	0.00177	-0.5301	0.202	0.32	1	HC_vs_MS.NoTrt_F
CDCP1	0.00177	0.6214	0.561	0.41	1	HC_vs_MS.NoTrt_F
BEX2	0.00177	-0.3204	0.092	0.19	1	HC_vs_MS.NoTrt_F
HNRNPU	0.00178	-0.3831	0.506	0.61	1	HC_vs_MS.NoTrt_F
TNIP1	0.00178	0.48718	0.355	0.52	1	HC_vs_MS.NoTrt_F
IL15RA	0.00178	-0.3788	0.127	0.23	1	HC_vs_MS.NoTrt_F
SMAD5	0.00179	0.67386	0.566	0.45	1	HC_vs_MS.NoTrt_F
COPS3	0.0018	-0.5743	0.286	0.41	1	HC_vs_MS.NoTrt_F
ATG16L1	0.00181	-0.7547	0.179	0.29	1	HC_vs_MS.NoTrt_F
TMEM177	0.00183	-1.5554	0.043	0.12	1	HC_vs_MS.NoTrt_F
USMG5	0.00183	0.25431	0.266	0.43	1	HC_vs_MS.NoTrt_F
ASB13	0.00184	-1.6621	0.107	0.21	1	HC_vs_MS.NoTrt_F
RAD17	0.00185	-0.5987	0.471	0.6	1	HC_vs_MS.NoTrt_F

PCDHA4	0.00186	0.34639	0.957	0.91	1	HC_vs_MS.NoTrt_F
CKAP2	0.00186	-0.2861	0.147	0.26	1	HC_vs_MS.NoTrt_F
LUC7L2	0.00186	-0.3402	0.584	0.69	1	HC_vs_MS.NoTrt_F
CIAO1	0.00187	-0.2843	0.355	0.48	1	HC_vs_MS.NoTrt_F
GEMIN6	0.00188	0.25176	0.968	0.93	1	HC_vs_MS.NoTrt_F
KRBA1	0.00188	-0.2503	0.043	0.12	1	HC_vs_MS.NoTrt_F
KIAA1456	0.00188	0.33799	0.962	0.93	1	HC_vs_MS.NoTrt_F
ZNF317	0.00188	-0.4734	0.139	0.25	1	HC_vs_MS.NoTrt_F
TRAF2	0.00189	-0.7405	0.214	0.33	1	HC_vs_MS.NoTrt_F
SNAPC4	0.0019	-0.6884	0.058	0.14	1	HC_vs_MS.NoTrt_F
NSMAF	0.00191	-0.3531	0.263	0.39	1	HC_vs_MS.NoTrt_F
CLINT1	0.00191	-0.3168	0.679	0.77	1	HC_vs_MS.NoTrt_F
LAIR2	0.00191	0.28694	0.179	0.31	1	HC_vs_MS.NoTrt_F
ESR2	0.00191	0.39359	0.555	0.7	1	HC_vs_MS.NoTrt_F
NFKBIA	0.00192	1.43023	0.468	0.38	1	HC_vs_MS.NoTrt_F
ATG4A	0.00196	0.35454	0.075	0.17	1	HC_vs_MS.NoTrt_F
CPQ	0.00196	-0.7827	0.37	0.5	1	HC_vs_MS.NoTrt_F
VWF	0.00197	1.8118	0.237	0.13	1	HC_vs_MS.NoTrt_F
LMF2	0.00198	0.28135	0.303	0.47	1	HC_vs_MS.NoTrt_F
ARNTL	0.00199	0.29911	0.251	0.39	1	HC_vs_MS.NoTrt_F
CEP85L	0.002	-0.2737	0.292	0.41	1	HC_vs_MS.NoTrt_F
HIBCH	0.00201	-0.2654	0.26	0.4	1	HC_vs_MS.NoTrt_F
STAT5A	0.00203	-0.7132	0.211	0.33	1	HC_vs_MS.NoTrt_F
THOP1	0.00205	0.26918	0.402	0.54	1	HC_vs_MS.NoTrt_F
CDH5	0.00207	0.98698	0.101	0.03	1	HC_vs_MS.NoTrt_F
TRIM28	0.00208	-0.6471	0.113	0.21	1	HC_vs_MS.NoTrt_F
PPP1R13L	0.00208	0.2734	0.858	0.77	1	HC_vs_MS.NoTrt_F
CDC16	0.00208	0.36095	0.159	0.27	1	HC_vs_MS.NoTrt_F
MEGF11	0.00209	-0.6474	0.043	0.12	1	HC_vs_MS.NoTrt_F
ZNF322	0.00209	0.62407	0.043	0.12	1	HC_vs_MS.NoTrt_F
GMIP	0.0021	-0.901	0.263	0.39	1	HC_vs_MS.NoTrt_F
UBA3	0.00211	-0.5167	0.416	0.54	1	HC_vs_MS.NoTrt_F
RRS1	0.00213	-0.5401	0.11	0.21	1	HC_vs_MS.NoTrt_F
RP11-234B2	0.00213	-0.3423	0.04	0.11	1	HC_vs_MS.NoTrt_F
DCTD	0.00213	-0.308	0.153	0.26	1	HC_vs_MS.NoTrt_F
ZBED6	0.00216	-0.7615	0.058	0.14	1	HC_vs_MS.NoTrt_F
C5orf58	0.00217	-0.3098	0.04	0.11	1	HC_vs_MS.NoTrt_F
SNAPIN	0.00217	0.25541	0.147	0.26	1	HC_vs_MS.NoTrt_F
FLII	0.00218	-0.3112	0.249	0.37	1	HC_vs_MS.NoTrt_F
TMEM214	0.00219	-0.5412	0.095	0.19	1	HC_vs_MS.NoTrt_F

VWA9	0.00221	-1.3022	0.09	0.18	1	HC_vs_MS.NoTrt_F
QDPR	0.00222	-0.3158	0.075	0.16	1	HC_vs_MS.NoTrt_F
INPP1	0.00223	0.87257	0.058	0.14	1	HC_vs_MS.NoTrt_F
KAT6B	0.00224	0.59892	0.136	0.24	1	HC_vs_MS.NoTrt_F
PLCXD2	0.00224	-0.2724	0.081	0.17	1	HC_vs_MS.NoTrt_F
LDOC1	0.00225	-0.3238	0.078	0.17	1	HC_vs_MS.NoTrt_F
RDX	0.00225	-0.6274	0.286	0.41	1	HC_vs_MS.NoTrt_F
EDEM3	0.00226	-0.3813	0.309	0.43	1	HC_vs_MS.NoTrt_F
UCHL3	0.00226	-0.2738	0.159	0.27	1	HC_vs_MS.NoTrt_F
XAB2	0.00227	0.30888	0.24	0.37	1	HC_vs_MS.NoTrt_F
DAPK3	0.00228	-0.738	0.116	0.21	1	HC_vs_MS.NoTrt_F
DDRKG1	0.00229	-0.5559	0.173	0.28	1	HC_vs_MS.NoTrt_F
L3HYPDH	0.00232	-0.7545	0.208	0.32	1	HC_vs_MS.NoTrt_F
NMNAT1	0.00232	0.41129	0.986	1	1	HC_vs_MS.NoTrt_F
SAAL1	0.00232	-0.5952	0.09	0.18	1	HC_vs_MS.NoTrt_F
IL17RB	0.00233	-0.2785	0.04	0.11	1	HC_vs_MS.NoTrt_F
SLC9B2	0.00234	0.48797	0.066	0.15	1	HC_vs_MS.NoTrt_F
STIM2	0.00235	-0.3329	0.191	0.3	1	HC_vs_MS.NoTrt_F
PYM1	0.00237	-0.5118	0.231	0.35	1	HC_vs_MS.NoTrt_F
KATNA1	0.00237	-0.4103	0.113	0.21	1	HC_vs_MS.NoTrt_F
HIVEP3	0.00238	-0.4374	0.092	0.18	1	HC_vs_MS.NoTrt_F
CASP3	0.00238	-0.3852	0.173	0.29	1	HC_vs_MS.NoTrt_F
YY1AP1	0.00238	-0.3005	0.543	0.65	1	HC_vs_MS.NoTrt_F
EIF4EBP1	0.00239	0.29833	0.055	0.13	1	HC_vs_MS.NoTrt_F
SAT1	0.00239	-0.3902	0.595	0.76	1	HC_vs_MS.NoTrt_F
CNDP2	0.00242	-0.5656	0.749	0.8	1	HC_vs_MS.NoTrt_F
INTS5	0.00243	-0.3974	0.09	0.18	1	HC_vs_MS.NoTrt_F
HIST3H2A	0.00245	0.32622	0.069	0.16	1	HC_vs_MS.NoTrt_F
B4GALT7	0.00245	0.62128	0.078	0.17	1	HC_vs_MS.NoTrt_F
PKIG	0.00245	0.52398	0.685	0.71	1	HC_vs_MS.NoTrt_F
ADAM8	0.00245	0.26391	0.205	0.34	1	HC_vs_MS.NoTrt_F
SERBP1	0.00246	-0.3555	0.642	0.74	1	HC_vs_MS.NoTrt_F
NSMCE1	0.00248	-0.4381	0.665	0.74	1	HC_vs_MS.NoTrt_F
KAT5	0.00248	-0.4302	0.191	0.3	1	HC_vs_MS.NoTrt_F
HSPA4	0.0025	-0.3488	0.434	0.53	1	HC_vs_MS.NoTrt_F
BNIP1	0.00251	-0.4869	0.087	0.18	1	HC_vs_MS.NoTrt_F
TROVE2	0.00254	-0.3526	0.717	0.78	1	HC_vs_MS.NoTrt_F
UBE2E1	0.00254	-0.388	0.11	0.2	1	HC_vs_MS.NoTrt_F
HPCAL1	0.00254	-0.3578	0.361	0.47	1	HC_vs_MS.NoTrt_F
SRI	0.00254	-0.4467	0.471	0.59	1	HC_vs_MS.NoTrt_F

GOLT1B	0.00255	-0.2705	0.139	0.24	1	HC_vs_MS.NoTrt_F
DUSP28	0.00255	-0.3015	0.754	0.83	1	HC_vs_MS.NoTrt_F
RBM12B	0.00256	-0.3932	0.165	0.28	1	HC_vs_MS.NoTrt_F
C20orf24	0.00256	-0.255	0.153	0.26	1	HC_vs_MS.NoTrt_F
SUPT7L	0.00258	-0.4078	0.468	0.59	1	HC_vs_MS.NoTrt_F
PJA1	0.00259	-0.7379	0.075	0.16	1	HC_vs_MS.NoTrt_F
RP11-286N2	0.00259	0.34571	0.977	0.97	1	HC_vs_MS.NoTrt_F
C14orf159	0.0026	0.46359	0.592	0.75	1	HC_vs_MS.NoTrt_F
CKAP5	0.0026	-0.3594	0.168	0.29	1	HC_vs_MS.NoTrt_F
UTP4	0.0026	-0.5388	0.838	0.88	1	HC_vs_MS.NoTrt_F
BPGM	0.00261	0.50953	0.066	0.15	1	HC_vs_MS.NoTrt_F
UCK2	0.00266	0.37392	0.09	0.18	1	HC_vs_MS.NoTrt_F
HIST2H4A	0.00266	-0.3017	0.09	0.18	1	HC_vs_MS.NoTrt_F
PPIH	0.00267	-0.5319	0.098	0.19	1	HC_vs_MS.NoTrt_F
PSD	0.00267	-0.4491	0.098	0.19	1	HC_vs_MS.NoTrt_F
TOMM22	0.00268	-0.5723	0.214	0.33	1	HC_vs_MS.NoTrt_F
GYS1	0.00269	-0.2535	0.165	0.28	1	HC_vs_MS.NoTrt_F
SCYL1	0.0027	-0.4421	0.269	0.39	1	HC_vs_MS.NoTrt_F
C4orf32	0.0027	0.28969	0.994	0.99	1	HC_vs_MS.NoTrt_F
LGALS3BP	0.00276	1.02146	0.711	0.6	1	HC_vs_MS.NoTrt_F
LPP	0.00276	0.40404	0.988	0.96	1	HC_vs_MS.NoTrt_F
FLCN	0.00277	0.54639	0.893	0.82	1	HC_vs_MS.NoTrt_F
CLUL1	0.00277	-0.3846	0.075	0.16	1	HC_vs_MS.NoTrt_F
PRKG2	0.00279	-0.3058	0.387	0.54	1	HC_vs_MS.NoTrt_F
BFSP2	0.0028	0.67564	0.052	0.13	1	HC_vs_MS.NoTrt_F
CTRL	0.00281	-1.1229	0.133	0.23	1	HC_vs_MS.NoTrt_F
SLC2A6	0.00281	0.48871	0.254	0.38	1	HC_vs_MS.NoTrt_F
ARF4	0.00283	-0.6144	0.182	0.29	1	HC_vs_MS.NoTrt_F
HOOK1	0.00283	-0.3954	0.078	0.17	1	HC_vs_MS.NoTrt_F
SNRPA	0.00283	-0.2728	0.298	0.41	1	HC_vs_MS.NoTrt_F
LENG8	0.00284	0.78656	0.777	0.77	1	HC_vs_MS.NoTrt_F
MRPL33	0.00286	0.28735	0.214	0.34	1	HC_vs_MS.NoTrt_F
RSPH3	0.00287	0.29499	0.829	0.82	1	HC_vs_MS.NoTrt_F
DIRAS2	0.00288	0.38849	0.873	0.83	1	HC_vs_MS.NoTrt_F
CCDC71	0.00289	0.50207	0.072	0.16	1	HC_vs_MS.NoTrt_F
CSTF2	0.00289	-0.642	0.095	0.18	1	HC_vs_MS.NoTrt_F
THAP2	0.0029	-0.5341	0.107	0.2	1	HC_vs_MS.NoTrt_F
DNAJB12	0.0029	-0.4493	0.15	0.25	1	HC_vs_MS.NoTrt_F
ALDH3A2	0.0029	0.2536	0.295	0.41	1	HC_vs_MS.NoTrt_F
MSH2	0.00297	-0.2706	0.13	0.23	1	HC_vs_MS.NoTrt_F

WDR77	0.00297	-0.4727	0.136	0.24	1	HC_vs_MS.NoTrt_F
POMGNT1	0.00298	0.30358	0.766	0.67	1	HC_vs_MS.NoTrt_F
TNK2	0.00299	-0.3143	0.182	0.29	1	HC_vs_MS.NoTrt_F
VCPKMT	0.003	-0.4797	0.118	0.22	1	HC_vs_MS.NoTrt_F
SRGAP2B	0.00301	-0.699	0.503	0.6	1	HC_vs_MS.NoTrt_F
ZSCAN26	0.00305	-0.2641	0.072	0.16	1	HC_vs_MS.NoTrt_F
PIBF1	0.00306	0.41166	0.162	0.28	1	HC_vs_MS.NoTrt_F
TRIM8	0.00307	-0.9481	0.087	0.17	1	HC_vs_MS.NoTrt_F
TBC1D22B	0.00312	-0.636	0.095	0.18	1	HC_vs_MS.NoTrt_F
LRRC45	0.00315	-0.3811	0.075	0.16	1	HC_vs_MS.NoTrt_F
COX16	0.00315	-0.5872	0.552	0.62	1	HC_vs_MS.NoTrt_F
FAM86B1	0.00315	-1.2341	0.081	0.17	1	HC_vs_MS.NoTrt_F
ARHGEF12	0.00316	0.50931	0.988	0.98	1	HC_vs_MS.NoTrt_F
MAN1A2	0.00317	-0.3851	0.367	0.48	1	HC_vs_MS.NoTrt_F
RAB11FIP5	0.00318	0.27827	0.049	0.12	1	HC_vs_MS.NoTrt_F
POLDIP3	0.00318	-0.575	0.191	0.3	1	HC_vs_MS.NoTrt_F
DNTTIP1	0.00319	0.48699	0.066	0.15	1	HC_vs_MS.NoTrt_F
TRAFD1	0.00319	-0.608	0.243	0.35	1	HC_vs_MS.NoTrt_F
ZNF26	0.0032	0.52682	0.994	0.99	1	HC_vs_MS.NoTrt_F
KCNJ15	0.0032	0.5284	0.705	0.56	1	HC_vs_MS.NoTrt_F
MRPL15	0.00322	0.56876	0.098	0.19	1	HC_vs_MS.NoTrt_F
HMGB2	0.00323	-0.3451	0.249	0.37	1	HC_vs_MS.NoTrt_F
AL356053.1	0.00324	0.30045	0.049	0.12	1	HC_vs_MS.NoTrt_F
MFSD3	0.00324	0.51302	0.064	0.14	1	HC_vs_MS.NoTrt_F
ATP2C1	0.00326	-0.3125	0.191	0.3	1	HC_vs_MS.NoTrt_F
CTD-2021K4	0.0033	-0.3418	0.095	0.18	1	HC_vs_MS.NoTrt_F
CHIC2	0.0033	-0.3171	0.214	0.33	1	HC_vs_MS.NoTrt_F
TNRC6C	0.00332	0.31876	0.263	0.39	1	HC_vs_MS.NoTrt_F
YKT6	0.00334	-0.3269	0.124	0.22	1	HC_vs_MS.NoTrt_F
TCF19	0.00334	-0.4549	0.072	0.16	1	HC_vs_MS.NoTrt_F
SLC52A2	0.00334	-0.7743	0.043	0.11	1	HC_vs_MS.NoTrt_F
TTC33	0.00335	-0.5947	0.246	0.36	1	HC_vs_MS.NoTrt_F
B4GALT3	0.00335	-0.2626	0.214	0.34	1	HC_vs_MS.NoTrt_F
MCM3	0.00335	-0.307	0.225	0.34	1	HC_vs_MS.NoTrt_F
TMEM218	0.00338	-1.5066	0.116	0.2	1	HC_vs_MS.NoTrt_F
FAM213A	0.00339	0.81118	0.893	0.87	1	HC_vs_MS.NoTrt_F
TARBP2	0.00343	-0.5456	0.095	0.18	1	HC_vs_MS.NoTrt_F
UBR2	0.00344	0.46447	0.549	0.67	1	HC_vs_MS.NoTrt_F
CPEB4	0.00345	-0.2969	0.197	0.3	1	HC_vs_MS.NoTrt_F
TRMT6	0.00347	-0.3586	0.118	0.22	1	HC_vs_MS.NoTrt_F



RC3H2	0.00348	-0.5411	0.503	0.61	1	HC_vs_MS.NoTrt_F
PIGV	0.00348	-0.8175	0.072	0.16	1	HC_vs_MS.NoTrt_F
C3orf38	0.00351	-0.6243	0.104	0.19	1	HC_vs_MS.NoTrt_F
RNF34	0.00352	-0.3593	0.272	0.4	1	HC_vs_MS.NoTrt_F
AGPAT1	0.00352	-0.9705	0.118	0.21	1	HC_vs_MS.NoTrt_F
TMPPE	0.00352	-0.4599	0.061	0.14	1	HC_vs_MS.NoTrt_F
DENND4B	0.00353	-0.5224	0.22	0.34	1	HC_vs_MS.NoTrt_F
COMMD5	0.00355	-0.4764	0.098	0.19	1	HC_vs_MS.NoTrt_F
AMACR	0.00356	-1.2004	0.075	0.16	1	HC_vs_MS.NoTrt_F
ASTN2	0.00357	0.3847	0.977	0.96	1	HC_vs_MS.NoTrt_F
ZNF689	0.00358	0.92273	0.046	0.12	1	HC_vs_MS.NoTrt_F
OSBPL11	0.00361	-0.6015	0.118	0.21	1	HC_vs_MS.NoTrt_F
ARL17B	0.00362	-0.2726	0.78	0.85	1	HC_vs_MS.NoTrt_F
ZNF224	0.00364	-1.2469	0.451	0.56	1	HC_vs_MS.NoTrt_F
SLC35A2	0.00364	-0.5624	0.104	0.19	1	HC_vs_MS.NoTrt_F
NOG	0.00365	0.30807	0.139	0.24	1	HC_vs_MS.NoTrt_F
PES1	0.00366	-0.2727	0.142	0.24	1	HC_vs_MS.NoTrt_F
HSPA13	0.00369	-1.2074	0.043	0.11	1	HC_vs_MS.NoTrt_F
C7	0.0037	-0.4205	0.387	0.51	1	HC_vs_MS.NoTrt_F
SNX24	0.00371	0.32816	0.043	0.11	1	HC_vs_MS.NoTrt_F
NUDT16	0.00371	-0.9116	0.087	0.17	1	HC_vs_MS.NoTrt_F
NBN	0.00372	-0.3023	0.136	0.23	1	HC_vs_MS.NoTrt_F
PDHA1	0.00374	-0.2553	0.249	0.37	1	HC_vs_MS.NoTrt_F
PIP4K2C	0.00374	-0.4996	0.243	0.34	1	HC_vs_MS.NoTrt_F
CCR6	0.00377	-0.5568	0.419	0.53	1	HC_vs_MS.NoTrt_F
UMAD1	0.00377	-0.3189	0.22	0.34	1	HC_vs_MS.NoTrt_F
UBE2Q2	0.00378	-0.2787	0.15	0.26	1	HC_vs_MS.NoTrt_F
CENPJ	0.00379	-0.6745	0.055	0.13	1	HC_vs_MS.NoTrt_F
CRAMP1	0.00379	-1.4929	0.104	0.19	1	HC_vs_MS.NoTrt_F
DLG3	0.00382	0.38383	0.046	0.12	1	HC_vs_MS.NoTrt_F
VPS36	0.00383	-0.5047	0.358	0.48	1	HC_vs_MS.NoTrt_F
FKBP9	0.00386	0.53353	0.59	0.48	1	HC_vs_MS.NoTrt_F
IL33	0.00387	0.49433	0.046	0.12	1	HC_vs_MS.NoTrt_F
EEPD1	0.00388	0.29542	0.092	0.18	1	HC_vs_MS.NoTrt_F
FBXO41	0.00389	0.64854	0.061	0.14	1	HC_vs_MS.NoTrt_F
AL592183.1	0.0039	-0.3973	0.118	0.21	1	HC_vs_MS.NoTrt_F
UBALD2	0.0039	-0.3975	0.118	0.21	1	HC_vs_MS.NoTrt_F
NUP205	0.00392	-0.3925	0.202	0.31	1	HC_vs_MS.NoTrt_F
CD7	0.00393	0.28746	0.289	0.41	1	HC_vs_MS.NoTrt_F
MMGT1	0.00397	-0.7081	0.118	0.21	1	HC_vs_MS.NoTrt_F

ERCC6L2	0.00397	-0.5777	0.234	0.35	1	HC_vs_MS.NoTrt_F
AP5S1	0.00397	0.78529	0.876	0.8	1	HC_vs_MS.NoTrt_F
CCNI2	0.00398	-0.2872	0.043	0.11	1	HC_vs_MS.NoTrt_F
PLEKHB1	0.004	-0.7488	0.107	0.19	1	HC_vs_MS.NoTrt_F
FAM122B	0.00402	-0.2861	0.13	0.23	1	HC_vs_MS.NoTrt_F
TRIAP1	0.00402	-0.3362	0.11	0.2	1	HC_vs_MS.NoTrt_F
FAM221A	0.00406	0.30568	0.983	0.98	1	HC_vs_MS.NoTrt_F
WDR53	0.00406	-0.2861	0.116	0.21	1	HC_vs_MS.NoTrt_F
ANAPC11	0.00406	0.33127	0.422	0.54	1	HC_vs_MS.NoTrt_F
RBL2	0.00407	-0.3098	0.621	0.71	1	HC_vs_MS.NoTrt_F
PHF10	0.00409	0.95188	0.113	0.2	1	HC_vs_MS.NoTrt_F
TRAPPC10	0.0041	0.80618	0.295	0.42	1	HC_vs_MS.NoTrt_F
WIPF1	0.00411	-0.3606	0.711	0.8	1	HC_vs_MS.NoTrt_F
LTA	0.00415	-0.2828	0.09	0.18	1	HC_vs_MS.NoTrt_F
PRPS1	0.00415	-0.2596	0.162	0.27	1	HC_vs_MS.NoTrt_F
MMADHC	0.00416	-0.4388	0.422	0.54	1	HC_vs_MS.NoTrt_F
TMED1	0.00417	0.27503	0.069	0.15	1	HC_vs_MS.NoTrt_F
HLA-DQB1	0.00417	0.79311	0.581	0.7	1	HC_vs_MS.NoTrt_F
GPLD1	0.00418	0.59499	0.78	0.71	1	HC_vs_MS.NoTrt_F
RGMB	0.00418	-0.8065	0.116	0.2	1	HC_vs_MS.NoTrt_F
SCRIB	0.0042	0.40834	0.043	0.11	1	HC_vs_MS.NoTrt_F
ZFYVE1	0.0042	-0.259	0.095	0.18	1	HC_vs_MS.NoTrt_F
ADAM17	0.00422	-0.5608	0.078	0.16	1	HC_vs_MS.NoTrt_F
TXNDC16	0.00422	0.45165	0.133	0.23	1	HC_vs_MS.NoTrt_F
POLR2E	0.00422	-0.3005	0.564	0.66	1	HC_vs_MS.NoTrt_F
CDH13	0.00424	0.34759	0.841	0.74	1	HC_vs_MS.NoTrt_F
KIAA0922	0.00426	-0.2572	0.468	0.58	1	HC_vs_MS.NoTrt_F
MAP3K7	0.00427	-0.374	0.159	0.26	1	HC_vs_MS.NoTrt_F
INTS6L	0.00428	-0.6202	0.142	0.24	1	HC_vs_MS.NoTrt_F
RGS1	0.0043	-0.3324	0.575	0.7	1	HC_vs_MS.NoTrt_F
MRM1	0.0043	-0.4163	0.04	0.11	1	HC_vs_MS.NoTrt_F
FBF1	0.00433	1.02341	0.058	0.13	1	HC_vs_MS.NoTrt_F
FXN	0.00435	-0.3047	0.22	0.33	1	HC_vs_MS.NoTrt_F
ANKMY2	0.00436	-0.287	0.078	0.16	1	HC_vs_MS.NoTrt_F
RAB11FIP2	0.00437	-0.5086	0.066	0.14	1	HC_vs_MS.NoTrt_F
FAM185A	0.00437	-0.4838	0.113	0.2	1	HC_vs_MS.NoTrt_F
RPTOR	0.00438	0.61479	0.393	0.53	1	HC_vs_MS.NoTrt_F
ALDH9A1	0.00439	-0.469	0.205	0.32	1	HC_vs_MS.NoTrt_F
DUSP7	0.0044	0.39351	0.118	0.21	1	HC_vs_MS.NoTrt_F
ZNF324	0.0044	0.37694	0.066	0.14	1	HC_vs_MS.NoTrt_F

MDM1	0.00441	-0.2854	0.11	0.2	1	HC_vs_MS.NoTrt_F
MS4A10	0.00442	0.30697	0.746	0.64	1	HC_vs_MS.NoTrt_F
E4F1	0.00442	-0.4127	0.159	0.25	1	HC_vs_MS.NoTrt_F
DHX58	0.00445	1.19148	0.04	0.11	1	HC_vs_MS.NoTrt_F
EDEM2	0.00449	-0.3141	0.171	0.27	1	HC_vs_MS.NoTrt_F
FAM103A1	0.00449	-0.3407	0.156	0.26	1	HC_vs_MS.NoTrt_F
CCAR2	0.0045	-0.8662	0.272	0.39	1	HC_vs_MS.NoTrt_F
RDH14	0.0045	0.8466	0.058	0.13	1	HC_vs_MS.NoTrt_F
RIOK1	0.00452	-0.4098	0.136	0.23	1	HC_vs_MS.NoTrt_F
ATP6V1C1	0.00452	0.36847	0.494	0.6	1	HC_vs_MS.NoTrt_F
CDIP1	0.00452	-0.4094	0.223	0.33	1	HC_vs_MS.NoTrt_F
APEH	0.00458	-0.3894	0.211	0.32	1	HC_vs_MS.NoTrt_F
RBM25	0.0046	-0.3198	0.587	0.67	1	HC_vs_MS.NoTrt_F
PARL	0.00461	-0.3858	0.162	0.27	1	HC_vs_MS.NoTrt_F
RAB9A	0.00464	-0.6091	0.116	0.2	1	HC_vs_MS.NoTrt_F
BORCS8	0.00469	0.32891	0.962	0.95	1	HC_vs_MS.NoTrt_F
TAS2R4	0.00469	-0.7233	0.355	0.47	1	HC_vs_MS.NoTrt_F
DDX39A	0.00469	-0.3272	0.355	0.48	1	HC_vs_MS.NoTrt_F
BBS4	0.0047	-0.3064	0.107	0.19	1	HC_vs_MS.NoTrt_F
CTCF	0.00471	0.94282	0.133	0.23	1	HC_vs_MS.NoTrt_F
CARNMT1	0.00471	-0.3769	0.145	0.24	1	HC_vs_MS.NoTrt_F
MZF1	0.00474	0.35321	0.133	0.23	1	HC_vs_MS.NoTrt_F
LRRC37B	0.00474	0.2612	0.61	0.8	1	HC_vs_MS.NoTrt_F
DDX42	0.00476	0.28405	0.373	0.49	1	HC_vs_MS.NoTrt_F
NUP155	0.0048	0.64625	0.942	0.91	1	HC_vs_MS.NoTrt_F
UBA5	0.00481	-0.8927	0.136	0.23	1	HC_vs_MS.NoTrt_F
CHERP	0.00484	-0.4843	0.191	0.29	1	HC_vs_MS.NoTrt_F
IGSF8	0.00485	-0.4311	0.179	0.28	1	HC_vs_MS.NoTrt_F
RWDD3	0.00485	-0.45	0.124	0.22	1	HC_vs_MS.NoTrt_F
OGDH	0.00489	-0.3533	0.595	0.69	1	HC_vs_MS.NoTrt_F
RAB14	0.00492	-0.3201	0.269	0.38	1	HC_vs_MS.NoTrt_F
TCEAL3	0.00492	-0.7259	0.15	0.24	1	HC_vs_MS.NoTrt_F
COMMD8	0.00494	-0.3657	0.118	0.21	1	HC_vs_MS.NoTrt_F
GPR108	0.00494	-0.5429	0.214	0.32	1	HC_vs_MS.NoTrt_F
GMPPA	0.00495	-0.5404	0.292	0.41	1	HC_vs_MS.NoTrt_F
RBM27	0.00497	-0.3727	0.145	0.24	1	HC_vs_MS.NoTrt_F
CHD1L	0.00497	0.5427	0.113	0.2	1	HC_vs_MS.NoTrt_F
ZNF595	0.00497	0.47042	0.858	0.81	1	HC_vs_MS.NoTrt_F
WAS	0.00498	0.85635	0.332	0.46	1	HC_vs_MS.NoTrt_F
RALA	0.00498	-0.47	0.246	0.35	1	HC_vs_MS.NoTrt_F

PRR4	0.00499	0.45574	0.26	0.4	1	HC_vs_MS.NoTrt_F
RAB28	0.005	0.25722	0.136	0.24	1	HC_vs_MS.NoTrt_F
TMEM173	0.00503	-0.326	0.327	0.45	1	HC_vs_MS.NoTrt_F
SERPING1	0.00504	1.80111	0.15	0.07	1	HC_vs_MS.NoTrt_F
HOPX	0.00504	0.4944	0.893	0.85	1	HC_vs_MS.NoTrt_F
RAB21	0.00505	0.68082	0.983	0.98	1	HC_vs_MS.NoTrt_F
RITA1	0.00508	-0.2952	0.064	0.14	1	HC_vs_MS.NoTrt_F
ECHS1	0.00508	0.33968	0.153	0.25	1	HC_vs_MS.NoTrt_F
ARHGAP28	0.00511	0.32948	0.887	0.9	1	HC_vs_MS.NoTrt_F
PET117	0.00511	-0.2904	0.095	0.18	1	HC_vs_MS.NoTrt_F
GNAL	0.00512	-0.2617	0.526	0.63	1	HC_vs_MS.NoTrt_F
ZNF544	0.00516	0.33193	0.954	0.93	1	HC_vs_MS.NoTrt_F
XKR9	0.00518	0.33298	0.699	0.62	1	HC_vs_MS.NoTrt_F
TFPT	0.00519	0.30001	0.101	0.19	1	HC_vs_MS.NoTrt_F
ERBIN	0.00519	-0.5334	0.286	0.41	1	HC_vs_MS.NoTrt_F
DPAGT1	0.0052	-0.984	0.084	0.16	1	HC_vs_MS.NoTrt_F
CSNK2A2	0.00523	-0.9278	0.344	0.44	1	HC_vs_MS.NoTrt_F
GOLGB1	0.00525	-0.4006	0.616	0.7	1	HC_vs_MS.NoTrt_F
SDHAF1	0.00527	-0.5896	0.087	0.17	1	HC_vs_MS.NoTrt_F
GBP3	0.00531	-0.3598	0.225	0.33	1	HC_vs_MS.NoTrt_F
PRPS2	0.00533	-0.5226	0.136	0.23	1	HC_vs_MS.NoTrt_F
ISOC1	0.00534	-0.2522	0.124	0.22	1	HC_vs_MS.NoTrt_F
TMEM117	0.00535	-0.6363	0.075	0.16	1	HC_vs_MS.NoTrt_F
PRPF38A	0.00536	-0.7749	0.673	0.73	1	HC_vs_MS.NoTrt_F
ARFIP1	0.00536	0.53453	0.251	0.37	1	HC_vs_MS.NoTrt_F
ARRB2	0.00537	-0.6509	0.829	0.88	1	HC_vs_MS.NoTrt_F
CDC42SE1	0.0054	-0.568	0.491	0.57	1	HC_vs_MS.NoTrt_F
STRA13	0.00541	0.28265	0.168	0.28	1	HC_vs_MS.NoTrt_F
ABHD10	0.00542	-0.7367	0.116	0.2	1	HC_vs_MS.NoTrt_F
GSN	0.00546	1.49689	0.714	0.64	1	HC_vs_MS.NoTrt_F
NELFB	0.00547	-0.7939	0.072	0.15	1	HC_vs_MS.NoTrt_F
RAVER1	0.00548	-0.3839	0.173	0.28	1	HC_vs_MS.NoTrt_F
ERAP2	0.00548	-0.715	0.679	0.77	1	HC_vs_MS.NoTrt_F
IL23A	0.00549	0.32962	0.052	0.12	1	HC_vs_MS.NoTrt_F
RASGEF1B	0.00553	1.13851	0.812	0.76	1	HC_vs_MS.NoTrt_F
BTN2A2	0.00555	0.37993	0.101	0.19	1	HC_vs_MS.NoTrt_F
GGA3	0.00557	-0.2538	0.191	0.29	1	HC_vs_MS.NoTrt_F
SYAP1	0.00557	0.48267	0.98	0.98	1	HC_vs_MS.NoTrt_F
TMEM229B	0.00558	-0.5909	0.231	0.35	1	HC_vs_MS.NoTrt_F
ZNF671	0.00558	-0.6499	0.098	0.18	1	HC_vs_MS.NoTrt_F

APOBEC2	0.0056	0.40013	0.064	0.14	1	HC_vs_MS.NoTrt_F
RIC8B	0.00562	-0.3354	0.165	0.26	1	HC_vs_MS.NoTrt_F
SEMA3C	0.00563	-0.2834	0.656	0.81	1	HC_vs_MS.NoTrt_F
THAP4	0.00565	0.3094	0.185	0.29	1	HC_vs_MS.NoTrt_F
OPA1	0.00566	-0.2691	0.156	0.26	1	HC_vs_MS.NoTrt_F
LANCL1	0.00567	-0.5248	0.179	0.28	1	HC_vs_MS.NoTrt_F
FOXK2	0.00567	-0.3934	0.318	0.42	1	HC_vs_MS.NoTrt_F
TLCD2	0.0057	0.37908	0.948	0.96	1	HC_vs_MS.NoTrt_F
GORASP2	0.00571	-0.3425	0.228	0.33	1	HC_vs_MS.NoTrt_F
IARS	0.00573	-0.2907	0.705	0.79	1	HC_vs_MS.NoTrt_F
SKIL	0.00574	0.53526	0.341	0.47	1	HC_vs_MS.NoTrt_F
CDK12	0.00575	-0.3138	0.561	0.65	1	HC_vs_MS.NoTrt_F
ZNF646	0.00575	-0.4132	0.092	0.18	1	HC_vs_MS.NoTrt_F
SLC39A6	0.00576	-0.6038	0.095	0.18	1	HC_vs_MS.NoTrt_F
PRKAR1B	0.00577	-0.3899	0.127	0.22	1	HC_vs_MS.NoTrt_F
ATP10B	0.00578	0.39152	0.824	0.76	1	HC_vs_MS.NoTrt_F
FRMD5	0.00578	0.36981	0.049	0.12	1	HC_vs_MS.NoTrt_F
FIP1L1	0.00584	-0.2511	0.295	0.41	1	HC_vs_MS.NoTrt_F
ATAD3B	0.00585	-0.5589	0.812	0.89	1	HC_vs_MS.NoTrt_F
ARHGAP22	0.00586	0.25777	0.734	0.65	1	HC_vs_MS.NoTrt_F
KIF27	0.00588	0.35214	0.474	0.36	1	HC_vs_MS.NoTrt_F
KDEL2	0.00592	-0.4783	0.208	0.32	1	HC_vs_MS.NoTrt_F
EXOSC8	0.00596	-0.9148	0.512	0.56	1	HC_vs_MS.NoTrt_F
KIFC1	0.00597	0.52872	0.081	0.16	1	HC_vs_MS.NoTrt_F
SNX12	0.00602	-1.1809	0.116	0.2	1	HC_vs_MS.NoTrt_F
GPD1L	0.00602	-0.725	0.136	0.23	1	HC_vs_MS.NoTrt_F
YBEY	0.00606	-0.5457	0.072	0.15	1	HC_vs_MS.NoTrt_F
NUDT5	0.00612	0.25293	0.24	0.37	1	HC_vs_MS.NoTrt_F
LCMT2	0.00613	-0.2891	0.723	0.77	1	HC_vs_MS.NoTrt_F
RCN1	0.00614	-0.5923	0.116	0.2	1	HC_vs_MS.NoTrt_F
MAF	0.00619	1.0016	0.538	0.46	1	HC_vs_MS.NoTrt_F
MVK	0.00622	-0.4755	0.058	0.13	1	HC_vs_MS.NoTrt_F
PPP1R10	0.00623	-0.681	0.564	0.65	1	HC_vs_MS.NoTrt_F
OSGEPL1	0.00624	0.25981	0.257	0.39	1	HC_vs_MS.NoTrt_F
MAP2K3	0.00626	-0.2927	0.194	0.3	1	HC_vs_MS.NoTrt_F
C8orf33	0.00626	-0.3986	0.249	0.37	1	HC_vs_MS.NoTrt_F
SLU7	0.00627	-0.4421	0.442	0.55	1	HC_vs_MS.NoTrt_F
AC138645.2	0.00628	-0.3926	0.124	0.22	1	HC_vs_MS.NoTrt_F
KIAA0513	0.00628	0.41516	0.743	0.64	1	HC_vs_MS.NoTrt_F
C5orf51	0.00634	-0.45	0.145	0.24	1	HC_vs_MS.NoTrt_F

EPN1	0.00635	0.45148	0.957	0.96	1	HC_vs_MS.NoTrt_F
FAM196B	0.00635	0.29643	0.092	0.18	1	HC_vs_MS.NoTrt_F
UBE2G1	0.00638	-0.3137	0.225	0.34	1	HC_vs_MS.NoTrt_F
UTRN	0.00639	-0.3101	0.52	0.62	1	HC_vs_MS.NoTrt_F
SUMO2	0.00642	-0.2554	0.893	0.9	1	HC_vs_MS.NoTrt_F
EIF2AK3	0.00642	0.30757	0.072	0.15	1	HC_vs_MS.NoTrt_F
AHCYL1	0.00643	0.69207	0.072	0.15	1	HC_vs_MS.NoTrt_F
GPR25	0.00648	0.7446	0.046	0.11	1	HC_vs_MS.NoTrt_F
2-Sep	0.00648	-0.4153	0.925	0.93	1	HC_vs_MS.NoTrt_F
FKBP14	0.00655	0.29512	0.728	0.65	1	HC_vs_MS.NoTrt_F
PAK1IP1	0.00659	0.28223	0.061	0.13	1	HC_vs_MS.NoTrt_F
UCK1	0.00659	0.97905	0.061	0.13	1	HC_vs_MS.NoTrt_F
ATG4C	0.0066	0.49556	0.061	0.13	1	HC_vs_MS.NoTrt_F
LXN	0.0066	-0.3545	0.202	0.3	1	HC_vs_MS.NoTrt_F
STOML1	0.00661	0.35395	0.847	0.77	1	HC_vs_MS.NoTrt_F
PNPLA6	0.00662	0.28064	0.185	0.29	1	HC_vs_MS.NoTrt_F
AP2M1	0.00662	-0.261	0.361	0.48	1	HC_vs_MS.NoTrt_F
TSPAN18	0.00664	0.25097	0.084	0.17	1	HC_vs_MS.NoTrt_F
FMC1	0.00665	-0.2842	0.662	0.78	1	HC_vs_MS.NoTrt_F
IPO4	0.00666	-0.4649	0.043	0.11	1	HC_vs_MS.NoTrt_F
ZNF7	0.00667	0.32795	0.934	0.96	1	HC_vs_MS.NoTrt_F
FAM114A1	0.00673	0.58688	0.618	0.5	1	HC_vs_MS.NoTrt_F
DYNC1LI1	0.00674	-0.4085	0.46	0.57	1	HC_vs_MS.NoTrt_F
TFB2M	0.00676	0.42218	0.069	0.14	1	HC_vs_MS.NoTrt_F
SLC5A10	0.00678	-0.5213	0.058	0.13	1	HC_vs_MS.NoTrt_F
SPATS2L	0.0068	0.35023	0.968	0.94	1	HC_vs_MS.NoTrt_F
MIS18A	0.00681	0.96769	0.075	0.16	1	HC_vs_MS.NoTrt_F
SLC37A1	0.00682	-0.3871	0.087	0.17	1	HC_vs_MS.NoTrt_F
CXorf65	0.00685	0.63414	0.092	0.18	1	HC_vs_MS.NoTrt_F
ARMT1	0.00687	-0.2681	0.09	0.17	1	HC_vs_MS.NoTrt_F
SAMM50	0.00689	-0.3304	0.465	0.56	1	HC_vs_MS.NoTrt_F
WDR44	0.0069	-0.6308	0.133	0.22	1	HC_vs_MS.NoTrt_F
ANKRD39	0.0069	0.37292	0.214	0.33	1	HC_vs_MS.NoTrt_F
AC013461.1	0.00692	0.48449	0.844	0.77	1	HC_vs_MS.NoTrt_F
ZNF211	0.00694	0.30935	0.202	0.3	1	HC_vs_MS.NoTrt_F
WDR31	0.00695	0.28088	0.882	0.84	1	HC_vs_MS.NoTrt_F
SPC25	0.00696	0.43323	0.763	0.71	1	HC_vs_MS.NoTrt_F
RAB4A	0.00697	-0.5483	0.118	0.2	1	HC_vs_MS.NoTrt_F
DHRS13	0.00698	0.5666	0.061	0.13	1	HC_vs_MS.NoTrt_F
RCC2	0.00699	-0.65	0.13	0.22	1	HC_vs_MS.NoTrt_F

GPATCH1	0.00701	-0.3206	0.413	0.53	1	HC_vs_MS.NoTrt_F
UPRT	0.00706	0.3501	0.069	0.14	1	HC_vs_MS.NoTrt_F
MRPL55	0.00706	0.66316	0.121	0.21	1	HC_vs_MS.NoTrt_F
NUPR1	0.0071	0.37894	0.977	0.97	1	HC_vs_MS.NoTrt_F
RPGRIP1L	0.00715	0.27903	0.827	0.74	1	HC_vs_MS.NoTrt_F
SNX16	0.00718	-0.7033	0.043	0.11	1	HC_vs_MS.NoTrt_F
PDCD6IP	0.00718	-0.258	0.338	0.46	1	HC_vs_MS.NoTrt_F
ATP8B2	0.0072	-0.3996	0.838	0.86	1	HC_vs_MS.NoTrt_F
AQP11	0.00725	0.29135	0.046	0.11	1	HC_vs_MS.NoTrt_F
TMEM101	0.00728	0.26	0.095	0.18	1	HC_vs_MS.NoTrt_F
KIAA0368	0.00729	-0.4256	0.272	0.38	1	HC_vs_MS.NoTrt_F
CNNM4	0.00733	1.52591	0.046	0.11	1	HC_vs_MS.NoTrt_F
B3GAT2	0.00734	-0.4678	0.202	0.31	1	HC_vs_MS.NoTrt_F
MBD1	0.00739	-0.7075	0.217	0.32	1	HC_vs_MS.NoTrt_F
PTAR1	0.00742	-0.8192	0.22	0.32	1	HC_vs_MS.NoTrt_F
BROX	0.00742	-0.297	0.624	0.71	1	HC_vs_MS.NoTrt_F
ZFAND6	0.00742	-0.4103	0.26	0.37	1	HC_vs_MS.NoTrt_F
FAM175B	0.00743	-0.4864	0.078	0.16	1	HC_vs_MS.NoTrt_F
NOP14	0.00744	-1.1447	0.442	0.55	1	HC_vs_MS.NoTrt_F
MUL1	0.00746	-0.5159	0.09	0.17	1	HC_vs_MS.NoTrt_F
CNEP1R1	0.0075	-0.8249	0.555	0.66	1	HC_vs_MS.NoTrt_F
MRPL35	0.00751	-1.2272	0.156	0.24	1	HC_vs_MS.NoTrt_F
PPP1R12C	0.00753	-0.3329	0.081	0.16	1	HC_vs_MS.NoTrt_F
NT5C	0.00756	0.26334	0.205	0.32	1	HC_vs_MS.NoTrt_F
HIPK2	0.00759	-0.6141	0.13	0.21	1	HC_vs_MS.NoTrt_F
NOC3L	0.00762	-0.3195	0.078	0.16	1	HC_vs_MS.NoTrt_F
UTY	0.00768	-0.6945	0.497	0.57	1	HC_vs_MS.NoTrt_F
TCEB3	0.00771	-0.505	0.145	0.24	1	HC_vs_MS.NoTrt_F
GATSL3	0.00773	0.42496	0.043	0.11	1	HC_vs_MS.NoTrt_F
TSSC1	0.00776	-0.3281	0.136	0.23	1	HC_vs_MS.NoTrt_F
SNRNP48	0.00776	-0.442	0.208	0.3	1	HC_vs_MS.NoTrt_F
CLCN5	0.00779	-0.4119	0.263	0.37	1	HC_vs_MS.NoTrt_F
TMEM254	0.00781	-0.6821	0.121	0.21	1	HC_vs_MS.NoTrt_F
PIAS1	0.00781	-0.3174	0.379	0.48	1	HC_vs_MS.NoTrt_F
EBLN2	0.00782	-1.2801	0.11	0.19	1	HC_vs_MS.NoTrt_F
STX1B	0.00782	0.29509	0.298	0.4	1	HC_vs_MS.NoTrt_F
XPO7	0.00783	-0.5281	0.142	0.23	1	HC_vs_MS.NoTrt_F
TTC31	0.00787	-0.3339	0.246	0.35	1	HC_vs_MS.NoTrt_F
VIPAS39	0.00787	-0.9369	0.107	0.19	1	HC_vs_MS.NoTrt_F
PRR3	0.00788	0.55456	0.855	0.8	1	HC_vs_MS.NoTrt_F

IFITM3	0.00788	1.08263	0.688	0.66	1	HC_vs_MS.NoTrt_F
POC5	0.00789	-0.8753	0.113	0.2	1	HC_vs_MS.NoTrt_F
TRMT61A	0.0079	0.58382	0.058	0.13	1	HC_vs_MS.NoTrt_F
GCC1	0.00792	-1.4967	0.361	0.45	1	HC_vs_MS.NoTrt_F
TOMM34	0.00793	0.4268	0.078	0.16	1	HC_vs_MS.NoTrt_F
ZNF654	0.00794	-1.0323	0.145	0.23	1	HC_vs_MS.NoTrt_F
MANBA	0.00801	-0.2907	0.22	0.32	1	HC_vs_MS.NoTrt_F
EFHC1	0.00801	0.51658	0.922	0.87	1	HC_vs_MS.NoTrt_F
RP11-49K24	0.00805	-0.3947	0.165	0.27	1	HC_vs_MS.NoTrt_F
CAMK2D	0.00806	0.63233	0.225	0.35	1	HC_vs_MS.NoTrt_F
PUM3	0.00806	-0.6787	0.191	0.29	1	HC_vs_MS.NoTrt_F
EFCAB11	0.0081	0.39744	0.873	0.83	1	HC_vs_MS.NoTrt_F
UBXN6	0.00811	0.38085	0.095	0.18	1	HC_vs_MS.NoTrt_F
C15orf61	0.00812	0.38506	0.746	0.63	1	HC_vs_MS.NoTrt_F
UBFD1	0.00814	0.94441	0.425	0.54	1	HC_vs_MS.NoTrt_F
PSMC3	0.00815	-0.5308	0.185	0.28	1	HC_vs_MS.NoTrt_F
BCAS2	0.00816	0.31433	0.329	0.47	1	HC_vs_MS.NoTrt_F
GPA33	0.00822	0.83829	0.101	0.18	1	HC_vs_MS.NoTrt_F
ZNF554	0.00822	0.36123	0.968	0.96	1	HC_vs_MS.NoTrt_F
CASP8	0.00828	-0.3403	0.931	0.97	1	HC_vs_MS.NoTrt_F
COQ10B	0.00828	-0.5987	0.688	0.79	1	HC_vs_MS.NoTrt_F
PEX11B	0.0083	0.85465	0.159	0.27	1	HC_vs_MS.NoTrt_F
NF2	0.00832	-0.51	0.821	0.85	1	HC_vs_MS.NoTrt_F
RHOQ	0.00833	0.33981	0.09	0.17	1	HC_vs_MS.NoTrt_F
BRAP	0.00834	-0.6027	0.37	0.47	1	HC_vs_MS.NoTrt_F
SPCS2	0.00834	-0.3716	0.324	0.44	1	HC_vs_MS.NoTrt_F
DYNC1I2	0.00835	-0.6433	0.231	0.33	1	HC_vs_MS.NoTrt_F
ACSL4	0.00838	-0.6943	0.217	0.33	1	HC_vs_MS.NoTrt_F
SDAD1	0.00842	-0.3742	0.199	0.3	1	HC_vs_MS.NoTrt_F
RANGRF	0.00844	-0.3354	0.116	0.2	1	HC_vs_MS.NoTrt_F
CSE1L	0.00844	-0.4749	0.225	0.33	1	HC_vs_MS.NoTrt_F
ZNF721	0.00846	-0.3324	0.376	0.46	1	HC_vs_MS.NoTrt_F
FAM134C	0.00848	-0.6923	0.694	0.74	1	HC_vs_MS.NoTrt_F
RNF187	0.00855	-0.2849	0.095	0.18	1	HC_vs_MS.NoTrt_F
LIPH	0.0086	0.36391	0.697	0.59	1	HC_vs_MS.NoTrt_F
MRPL27	0.00863	0.29329	0.176	0.27	1	HC_vs_MS.NoTrt_F
GALNT7	0.00863	-0.4586	0.107	0.19	1	HC_vs_MS.NoTrt_F
PQLC3	0.00864	-0.6073	0.191	0.28	1	HC_vs_MS.NoTrt_F
LYRM5	0.00867	-0.7047	0.092	0.17	1	HC_vs_MS.NoTrt_F
KIF20B	0.00867	-0.2564	0.188	0.29	1	HC_vs_MS.NoTrt_F



KIAA1462	0.00871	0.47134	0.39	0.28	1	HC_vs_MS.NoTrt_F
CD3EAP	0.00871	0.52013	0.89	0.77	1	HC_vs_MS.NoTrt_F
WTIP	0.00874	0.3012	0.986	1	1	HC_vs_MS.NoTrt_F
ELMOD2	0.00875	0.29563	0.095	0.18	1	HC_vs_MS.NoTrt_F
NANOG	0.00878	0.31869	0.936	0.88	1	HC_vs_MS.NoTrt_F
SLC25A25	0.00879	-0.3616	0.121	0.21	1	HC_vs_MS.NoTrt_F
GCLM	0.00879	0.26183	0.746	0.7	1	HC_vs_MS.NoTrt_F
HNRNPUL2	0.00879	0.60188	0.124	0.21	1	HC_vs_MS.NoTrt_F
RPS6KA4	0.0088	1.74679	0.043	0.11	1	HC_vs_MS.NoTrt_F
GLYCTK	0.00884	-0.4931	0.136	0.23	1	HC_vs_MS.NoTrt_F
SLC25A1	0.00885	0.50378	0.11	0.19	1	HC_vs_MS.NoTrt_F
FAM65B	0.00887	-0.3783	0.673	0.74	1	HC_vs_MS.NoTrt_F
FAM105A	0.00899	-0.6742	0.28	0.38	1	HC_vs_MS.NoTrt_F
MGMT	0.00899	0.41645	0.165	0.27	1	HC_vs_MS.NoTrt_F
GGA2	0.00901	-0.4478	0.72	0.8	1	HC_vs_MS.NoTrt_F
SLC25A38	0.00904	-0.4913	0.118	0.2	1	HC_vs_MS.NoTrt_F
GPX7	0.00904	0.40716	0.081	0.16	1	HC_vs_MS.NoTrt_F
CEPT1	0.00905	-0.3958	0.361	0.45	1	HC_vs_MS.NoTrt_F
SURF6	0.00906	-0.4312	0.598	0.67	1	HC_vs_MS.NoTrt_F
CAMKMT	0.00911	0.4078	0.286	0.4	1	HC_vs_MS.NoTrt_F
TSC22D4	0.00919	0.36031	0.303	0.45	1	HC_vs_MS.NoTrt_F
PEX7	0.00922	0.29857	0.171	0.27	1	HC_vs_MS.NoTrt_F
ZNF30	0.00923	1.34315	0.078	0.15	1	HC_vs_MS.NoTrt_F
ZDHHC3	0.00931	-0.4094	0.532	0.63	1	HC_vs_MS.NoTrt_F
ARHGEF15	0.00932	1.22181	0.454	0.34	1	HC_vs_MS.NoTrt_F
TRADD	0.00935	-0.2796	0.225	0.32	1	HC_vs_MS.NoTrt_F
KDM7A	0.00935	-0.5984	0.254	0.35	1	HC_vs_MS.NoTrt_F
ING4	0.00937	-0.3787	0.303	0.4	1	HC_vs_MS.NoTrt_F
MGAT2	0.00939	-0.2945	0.136	0.23	1	HC_vs_MS.NoTrt_F
TAOK1	0.00939	0.59961	0.945	0.95	1	HC_vs_MS.NoTrt_F
SIRT7	0.00943	-0.367	0.419	0.51	1	HC_vs_MS.NoTrt_F
BMI1	0.00944	0.56535	0.072	0.14	1	HC_vs_MS.NoTrt_F
WDR81	0.00944	0.77053	0.084	0.16	1	HC_vs_MS.NoTrt_F
IDH3B	0.00947	0.27659	0.237	0.35	1	HC_vs_MS.NoTrt_F
FAM114A2	0.00949	0.25528	0.098	0.18	1	HC_vs_MS.NoTrt_F
TIMM23	0.00951	0.27679	0.269	0.4	1	HC_vs_MS.NoTrt_F
ZNF850	0.00952	0.28776	0.957	0.91	1	HC_vs_MS.NoTrt_F
PTK2	0.00953	0.28005	0.951	0.96	1	HC_vs_MS.NoTrt_F
ARF3	0.00953	0.26904	0.228	0.34	1	HC_vs_MS.NoTrt_F
BICD1	0.00953	-0.3893	0.118	0.2	1	HC_vs_MS.NoTrt_F

MAST2	0.00955	1.18038	0.055	0.12	1	HC_vs_MS.NoTrt_F
CYLD	0.00955	-0.2806	0.714	0.8	1	HC_vs_MS.NoTrt_F
SWI5	0.00958	-0.2883	0.084	0.16	1	HC_vs_MS.NoTrt_F
TMEM208	0.0096	0.44697	0.179	0.29	1	HC_vs_MS.NoTrt_F
MRPS36	0.00961	0.43996	0.171	0.28	1	HC_vs_MS.NoTrt_F
PDZD11	0.00962	-0.3408	0.121	0.2	1	HC_vs_MS.NoTrt_F
ZFP36	0.00965	0.82832	0.673	0.68	1	HC_vs_MS.NoTrt_F
TEFM	0.00965	0.42549	0.763	0.67	1	HC_vs_MS.NoTrt_F
ACP2	0.0097	0.28661	0.084	0.16	1	HC_vs_MS.NoTrt_F
RHNO1	0.0097	0.2859	0.74	0.64	1	HC_vs_MS.NoTrt_F
CNTROB	0.00972	-0.5562	0.197	0.29	1	HC_vs_MS.NoTrt_F
AP006285.1	0.00977	0.44206	0.861	0.81	1	HC_vs_MS.NoTrt_F
CCDC85B	0.00982	0.58096	0.153	0.25	1	HC_vs_MS.NoTrt_F
KCNAB1	0.00985	0.44845	0.064	0.13	1	HC_vs_MS.NoTrt_F
GBP1	0.00988	-0.2536	0.289	0.4	1	HC_vs_MS.NoTrt_F
TEX30	0.00998	0.51521	0.075	0.15	1	HC_vs_MS.NoTrt_F
RPRD1A	0.01001	-0.3628	0.179	0.27	1	HC_vs_MS.NoTrt_F
MAP2K1	0.01003	-0.5112	0.153	0.24	1	HC_vs_MS.NoTrt_F
ZFYVE16	0.01006	0.34791	0.942	0.9	1	HC_vs_MS.NoTrt_F
CTD-2369P2	0.01007	0.66496	0.084	0.16	1	HC_vs_MS.NoTrt_F
C10orf67	0.01009	0.26215	0.269	0.38	1	HC_vs_MS.NoTrt_F
PFDN4	0.0101	0.3146	0.098	0.18	1	HC_vs_MS.NoTrt_F
CEP72	0.0101	0.91302	0.064	0.13	1	HC_vs_MS.NoTrt_F
MTERF2	0.0101	-0.6187	0.095	0.17	1	HC_vs_MS.NoTrt_F
SEC14L2	0.01011	-0.3324	0.165	0.25	1	HC_vs_MS.NoTrt_F
RGL2	0.01014	-0.7217	0.179	0.27	1	HC_vs_MS.NoTrt_F
GLB1	0.01015	-0.5287	0.272	0.37	1	HC_vs_MS.NoTrt_F
ANAPC13	0.01018	0.27306	0.124	0.21	1	HC_vs_MS.NoTrt_F
KNG1	0.01018	0.55814	0.263	0.37	1	HC_vs_MS.NoTrt_F
PRKAB2	0.01029	0.83285	0.084	0.16	1	HC_vs_MS.NoTrt_F
EEFSEC	0.01029	-0.711	0.13	0.22	1	HC_vs_MS.NoTrt_F
FOSB	0.0103	1.87414	0.474	0.4	1	HC_vs_MS.NoTrt_F
SLC7A6OS	0.01033	0.37574	0.197	0.3	1	HC_vs_MS.NoTrt_F
SREBF1	0.0104	-1.2108	0.061	0.13	1	HC_vs_MS.NoTrt_F
ZBTB3	0.01041	0.68462	0.85	0.84	1	HC_vs_MS.NoTrt_F
ZNF845	0.01042	1.13705	0.711	0.59	1	HC_vs_MS.NoTrt_F
CDC7	0.01044	0.3878	0.052	0.12	1	HC_vs_MS.NoTrt_F
USP21	0.01047	-0.4825	0.139	0.23	1	HC_vs_MS.NoTrt_F
QTRT2	0.01048	0.46281	0.821	0.75	1	HC_vs_MS.NoTrt_F
CCDC125	0.0105	0.3236	0.96	0.96	1	HC_vs_MS.NoTrt_F

TTC4	0.01053	-0.7978	0.118	0.2	1	HC_vs_MS.NoTrt_F
ZBTB44	0.01055	-0.2789	0.303	0.4	1	HC_vs_MS.NoTrt_F
SCAP	0.01056	-0.3839	0.653	0.77	1	HC_vs_MS.NoTrt_F
PPP2R3C	0.01057	-0.2788	0.205	0.3	1	HC_vs_MS.NoTrt_F
ZNF726	0.01068	0.4533	0.902	0.86	1	HC_vs_MS.NoTrt_F
TWF1	0.01068	-0.6562	0.11	0.19	1	HC_vs_MS.NoTrt_F
ABHD14A-A1	0.01071	-0.3661	0.049	0.11	1	HC_vs_MS.NoTrt_F
CRAT	0.01074	0.78539	0.061	0.13	1	HC_vs_MS.NoTrt_F
SLC9A7	0.01081	0.48796	0.977	0.92	1	HC_vs_MS.NoTrt_F
MARK2	0.01081	-0.3151	0.188	0.29	1	HC_vs_MS.NoTrt_F
LPAR5	0.01081	0.89496	0.072	0.14	1	HC_vs_MS.NoTrt_F
AMPH	0.01084	-0.2821	0.168	0.26	1	HC_vs_MS.NoTrt_F
RYBP	0.01085	-0.5958	0.113	0.19	1	HC_vs_MS.NoTrt_F
RNF13	0.01091	-0.2666	0.199	0.3	1	HC_vs_MS.NoTrt_F
PHLDA1	0.01096	1.5286	0.624	0.56	1	HC_vs_MS.NoTrt_F
LMBRD2	0.01096	-0.4243	0.13	0.22	1	HC_vs_MS.NoTrt_F
KIF21B	0.01096	0.7914	0.434	0.55	1	HC_vs_MS.NoTrt_F
FHOD1	0.01101	1.24147	0.194	0.3	1	HC_vs_MS.NoTrt_F
KLRK1	0.01101	1.18846	0.711	0.64	1	HC_vs_MS.NoTrt_F
TMEM126A	0.01102	0.37324	0.084	0.16	1	HC_vs_MS.NoTrt_F
LTBP1	0.01102	0.7071	0.107	0.04	1	HC_vs_MS.NoTrt_F
NCKIPSD	0.01102	-0.9948	0.046	0.11	1	HC_vs_MS.NoTrt_F
PBDC1	0.01103	0.5398	0.139	0.23	1	HC_vs_MS.NoTrt_F
ZNF83	0.01103	0.32407	0.87	0.84	1	HC_vs_MS.NoTrt_F
SIRT1	0.01104	-0.4584	0.153	0.24	1	HC_vs_MS.NoTrt_F
MRPL49	0.01105	-0.4005	0.436	0.53	1	HC_vs_MS.NoTrt_F
SPATA20	0.01105	0.42932	0.124	0.21	1	HC_vs_MS.NoTrt_F
UBE2O	0.01105	0.53139	0.497	0.6	1	HC_vs_MS.NoTrt_F
PHACTR4	0.01106	0.57585	0.948	0.98	1	HC_vs_MS.NoTrt_F
AR	0.01111	-0.5765	0.234	0.33	1	HC_vs_MS.NoTrt_F
POLR3GL	0.01111	0.35626	0.243	0.37	1	HC_vs_MS.NoTrt_F
TBC1D3L	0.01112	1.00836	0.095	0.17	1	HC_vs_MS.NoTrt_F
P3H1	0.01113	0.41567	0.96	0.98	1	HC_vs_MS.NoTrt_F
SH2D3C	0.01117	-0.3452	0.257	0.35	1	HC_vs_MS.NoTrt_F
CSGALNACT1	0.01118	-0.4122	0.191	0.29	1	HC_vs_MS.NoTrt_F
C6orf106	0.01119	-0.6786	0.165	0.25	1	HC_vs_MS.NoTrt_F
CSTF3	0.01124	-1.2198	0.558	0.63	1	HC_vs_MS.NoTrt_F
CRYBG3	0.01126	-0.3105	0.09	0.17	1	HC_vs_MS.NoTrt_F
EGLN1	0.01127	-0.8734	0.364	0.45	1	HC_vs_MS.NoTrt_F
NAAA	0.0113	-0.4327	0.728	0.77	1	HC_vs_MS.NoTrt_F

PTPRA	0.01132	0.31422	0.188	0.29	1	HC_vs_MS.NoTrt_F
CTSK	0.01138	0.84399	0.049	0.11	1	HC_vs_MS.NoTrt_F
C6orf226	0.0114	0.34589	0.061	0.13	1	HC_vs_MS.NoTrt_F
EHD3	0.01143	0.52032	0.098	0.18	1	HC_vs_MS.NoTrt_F
GDAP1	0.01145	0.33885	0.092	0.17	1	HC_vs_MS.NoTrt_F
MC1R	0.01146	0.40188	0.072	0.14	1	HC_vs_MS.NoTrt_F
SLC19A1	0.01149	-0.3403	0.087	0.16	1	HC_vs_MS.NoTrt_F
CLMP	0.01155	-0.8206	0.419	0.53	1	HC_vs_MS.NoTrt_F
HADHB	0.01157	-0.3958	0.555	0.62	1	HC_vs_MS.NoTrt_F
ZNF202	0.01162	0.78965	0.049	0.11	1	HC_vs_MS.NoTrt_F
SPOPL	0.01166	0.25516	0.084	0.16	1	HC_vs_MS.NoTrt_F
CTR9	0.0117	-0.3689	0.205	0.3	1	HC_vs_MS.NoTrt_F
ACOX3	0.01171	-0.3794	0.121	0.2	1	HC_vs_MS.NoTrt_F
TMPO	0.01172	-0.6064	0.572	0.65	1	HC_vs_MS.NoTrt_F
SBF1	0.01174	0.60997	0.22	0.33	1	HC_vs_MS.NoTrt_F
CENPH	0.01193	-0.8103	0.324	0.41	1	HC_vs_MS.NoTrt_F
HIST1H4I	0.01199	-0.4297	0.049	0.11	1	HC_vs_MS.NoTrt_F
FBL	0.012	-0.6602	0.474	0.56	1	HC_vs_MS.NoTrt_F
CTD-220702	0.01205	-0.5701	0.168	0.25	1	HC_vs_MS.NoTrt_F
CELSR3	0.01208	0.32408	0.113	0.19	1	HC_vs_MS.NoTrt_F
TMCO6	0.01208	-0.3381	0.526	0.62	1	HC_vs_MS.NoTrt_F
SYNC	0.0121	0.31098	0.153	0.25	1	HC_vs_MS.NoTrt_F
ZSCAN16	0.01212	0.39857	0.058	0.12	1	HC_vs_MS.NoTrt_F
ZNF174	0.01213	1.42415	0.046	0.11	1	HC_vs_MS.NoTrt_F
MED20	0.0122	-0.9299	0.376	0.48	1	HC_vs_MS.NoTrt_F
MIER3	0.01221	0.96044	0.061	0.13	1	HC_vs_MS.NoTrt_F
HMGXB4	0.01223	0.31809	0.156	0.25	1	HC_vs_MS.NoTrt_F
HEMK1	0.01226	0.28174	0.974	0.97	1	HC_vs_MS.NoTrt_F
MEOX1	0.01227	-0.4544	0.087	0.16	1	HC_vs_MS.NoTrt_F
KDM6A	0.01241	-0.2656	0.263	0.36	1	HC_vs_MS.NoTrt_F
SLC38A5	0.01245	-0.7822	0.092	0.17	1	HC_vs_MS.NoTrt_F
TRAPPC13	0.01247	0.57985	0.156	0.24	1	HC_vs_MS.NoTrt_F
WDR47	0.01248	-0.7068	0.231	0.33	1	HC_vs_MS.NoTrt_F
SPECC1	0.01253	0.55324	0.954	0.93	1	HC_vs_MS.NoTrt_F
SLC23A2	0.01256	0.66816	0.179	0.28	1	HC_vs_MS.NoTrt_F
MED26	0.01261	0.92319	0.124	0.22	1	HC_vs_MS.NoTrt_F
HIST2H4B	0.01261	0.42419	0.176	0.27	1	HC_vs_MS.NoTrt_F
GNL1	0.01264	-0.492	0.118	0.2	1	HC_vs_MS.NoTrt_F
ZNF672	0.01266	0.3246	0.246	0.35	1	HC_vs_MS.NoTrt_F
LYPLAL1	0.01271	0.2793	0.092	0.17	1	HC_vs_MS.NoTrt_F

ALDH2	0.01272	0.36678	0.986	0.97	1	HC_vs_MS.NoTrt_F
ESRRA	0.01273	-0.2872	0.127	0.21	1	HC_vs_MS.NoTrt_F
PGAM1	0.01281	-0.2787	0.355	0.45	1	HC_vs_MS.NoTrt_F
ALKBH3	0.01285	0.82147	0.113	0.19	1	HC_vs_MS.NoTrt_F
VTI1B	0.01287	0.29245	0.28	0.38	1	HC_vs_MS.NoTrt_F
AP3D1	0.01296	0.59949	0.168	0.27	1	HC_vs_MS.NoTrt_F
ZBTB2	0.01297	-0.5271	0.101	0.18	1	HC_vs_MS.NoTrt_F
FBXO38	0.01299	-0.7363	0.523	0.6	1	HC_vs_MS.NoTrt_F
FUOM	0.01299	0.33359	0.046	0.11	1	HC_vs_MS.NoTrt_F
DTNBP1	0.01301	-0.5235	0.142	0.23	1	HC_vs_MS.NoTrt_F
CENPB	0.01312	0.49332	0.046	0.11	1	HC_vs_MS.NoTrt_F
PDAP1	0.0133	-0.2501	0.428	0.53	1	HC_vs_MS.NoTrt_F
SLMAP	0.01332	-0.4521	0.772	0.83	1	HC_vs_MS.NoTrt_F
ADGRV1	0.01333	-0.4718	0.211	0.3	1	HC_vs_MS.NoTrt_F
ATOX1	0.01333	1.01938	0.277	0.39	1	HC_vs_MS.NoTrt_F
LYRM7	0.01333	0.41787	0.96	0.9	1	HC_vs_MS.NoTrt_F
BIVM	0.01335	0.48512	0.332	0.44	1	HC_vs_MS.NoTrt_F
LMNA	0.01338	0.75543	0.801	0.76	1	HC_vs_MS.NoTrt_F
VAPB	0.01339	-0.8404	0.217	0.3	1	HC_vs_MS.NoTrt_F
C3	0.01345	0.36765	0.968	0.93	1	HC_vs_MS.NoTrt_F
EPHA4	0.01353	-1.3896	0.237	0.34	1	HC_vs_MS.NoTrt_F
FAM227B	0.01361	-0.5412	0.384	0.49	1	HC_vs_MS.NoTrt_F
NUDT22	0.01361	-0.4033	0.676	0.71	1	HC_vs_MS.NoTrt_F
INVS	0.01364	-0.9113	0.173	0.26	1	HC_vs_MS.NoTrt_F
CASP4	0.01367	-0.3583	0.361	0.46	1	HC_vs_MS.NoTrt_F
BCS1L	0.01368	0.41917	0.09	0.16	1	HC_vs_MS.NoTrt_F
PPCS	0.0137	-0.2795	0.367	0.48	1	HC_vs_MS.NoTrt_F
HTT	0.01372	-0.2885	0.266	0.37	1	HC_vs_MS.NoTrt_F
TNIP3	0.01387	0.8967	0.512	0.64	1	HC_vs_MS.NoTrt_F
DLGAP4	0.0139	-0.2879	0.257	0.36	1	HC_vs_MS.NoTrt_F
MIPEP	0.01392	0.34368	0.078	0.15	1	HC_vs_MS.NoTrt_F
SLFN13	0.01396	0.99262	0.731	0.67	1	HC_vs_MS.NoTrt_F
PDE6D	0.01396	-0.4991	0.147	0.23	1	HC_vs_MS.NoTrt_F
DRAXIN	0.01397	0.29286	0.896	0.85	1	HC_vs_MS.NoTrt_F
COL1A2	0.01398	1.72866	0.532	0.44	1	HC_vs_MS.NoTrt_F
CCDC43	0.014	-0.5473	0.113	0.19	1	HC_vs_MS.NoTrt_F
COL15A1	0.01407	1.5417	0.425	0.32	1	HC_vs_MS.NoTrt_F
TRMT61B	0.01408	0.79104	0.133	0.22	1	HC_vs_MS.NoTrt_F
AGAP2	0.01411	0.26688	0.225	0.33	1	HC_vs_MS.NoTrt_F
MEFV	0.01421	0.27724	0.841	0.79	1	HC_vs_MS.NoTrt_F

STK35	0.01422	1.39934	0.081	0.16	1	HC_vs_MS.NoTrt_F
ADAMTSL3	0.01423	0.52164	0.98	0.98	1	HC_vs_MS.NoTrt_F
NBPF11	0.01425	0.3406	0.286	0.4	1	HC_vs_MS.NoTrt_F
LGR4	0.01439	0.46972	0.075	0.14	1	HC_vs_MS.NoTrt_F
VPS37A	0.01445	0.27736	0.191	0.28	1	HC_vs_MS.NoTrt_F
PAFAH2	0.01449	-0.4275	0.566	0.64	1	HC_vs_MS.NoTrt_F
VCIPI1	0.01453	-0.7136	0.439	0.53	1	HC_vs_MS.NoTrt_F
GBE1	0.01453	0.44399	0.066	0.13	1	HC_vs_MS.NoTrt_F
PUDP	0.01454	-0.4454	0.113	0.19	1	HC_vs_MS.NoTrt_F
PAFAH1B2	0.01455	-0.2872	0.91	0.95	1	HC_vs_MS.NoTrt_F
PCYOX1L	0.01462	0.46459	0.11	0.19	1	HC_vs_MS.NoTrt_F
ENGASE	0.01466	0.87879	0.084	0.16	1	HC_vs_MS.NoTrt_F
TRAF7	0.01469	0.77002	0.15	0.24	1	HC_vs_MS.NoTrt_F
NOD1	0.01473	-0.4895	0.13	0.21	1	HC_vs_MS.NoTrt_F
MARS	0.01477	-0.5013	0.419	0.5	1	HC_vs_MS.NoTrt_F
GPRC5A	0.0148	0.28322	0.723	0.66	1	HC_vs_MS.NoTrt_F
IKZF4	0.01481	0.94649	0.211	0.32	1	HC_vs_MS.NoTrt_F
ACAD9	0.01484	-0.4829	0.338	0.42	1	HC_vs_MS.NoTrt_F
ABC13-4748	0.01484	0.56155	0.101	0.18	1	HC_vs_MS.NoTrt_F
SRRM1	0.01487	-0.3339	0.919	0.9	1	HC_vs_MS.NoTrt_F
POLR3F	0.0149	-0.3374	0.087	0.16	1	HC_vs_MS.NoTrt_F
TARS	0.0149	-0.3705	0.257	0.34	1	HC_vs_MS.NoTrt_F
GXYLT1	0.01498	-0.4102	0.434	0.53	1	HC_vs_MS.NoTrt_F
LRRFIP2	0.01498	-0.4611	0.766	0.81	1	HC_vs_MS.NoTrt_F
SGSM3	0.01499	0.28163	0.223	0.33	1	HC_vs_MS.NoTrt_F
FUCA1	0.01499	0.68302	0.078	0.15	1	HC_vs_MS.NoTrt_F
JADE1	0.015	-0.602	0.364	0.46	1	HC_vs_MS.NoTrt_F
MAMLD1	0.01502	0.4963	0.194	0.29	1	HC_vs_MS.NoTrt_F
DGCR2	0.01503	-0.2693	0.257	0.36	1	HC_vs_MS.NoTrt_F
CDC27	0.01505	-0.3716	0.474	0.57	1	HC_vs_MS.NoTrt_F
CDC23	0.01505	-0.2741	0.116	0.19	1	HC_vs_MS.NoTrt_F
GK	0.01508	-0.3646	0.228	0.34	1	HC_vs_MS.NoTrt_F
DISP2	0.01508	0.34538	0.934	0.93	1	HC_vs_MS.NoTrt_F
PAPD5	0.01508	-0.7321	0.185	0.28	1	HC_vs_MS.NoTrt_F
DHRS3	0.01511	1.34215	0.338	0.25	1	HC_vs_MS.NoTrt_F
RETSAT	0.01514	-0.4203	0.179	0.28	1	HC_vs_MS.NoTrt_F
ADD3	0.01518	-0.45	0.827	0.82	1	HC_vs_MS.NoTrt_F
ZSCAN32	0.01521	-0.3065	0.246	0.33	1	HC_vs_MS.NoTrt_F
LSAMP	0.01525	0.47644	0.566	0.5	1	HC_vs_MS.NoTrt_F
NPTN	0.01528	-0.2612	0.338	0.43	1	HC_vs_MS.NoTrt_F

GMFB	0.01529	-0.362	0.124	0.2	1	HC_vs_MS.NoTrt_F
ZNF32	0.01531	0.334	0.107	0.18	1	HC_vs_MS.NoTrt_F
ABCC3	0.01531	0.32388	0.861	0.83	1	HC_vs_MS.NoTrt_F
PCMT1	0.01532	-0.5008	0.228	0.32	1	HC_vs_MS.NoTrt_F
SLC44A1	0.01537	-0.5671	0.639	0.71	1	HC_vs_MS.NoTrt_F
VWA5A	0.01538	-0.2645	0.09	0.16	1	HC_vs_MS.NoTrt_F
TPH2	0.01541	0.38602	0.711	0.68	1	HC_vs_MS.NoTrt_F
C19orf54	0.01549	-0.608	0.486	0.58	1	HC_vs_MS.NoTrt_F
ZNF680	0.01549	0.46401	0.139	0.22	1	HC_vs_MS.NoTrt_F
EIF3J	0.01553	0.6733	0.202	0.32	1	HC_vs_MS.NoTrt_F
RELA	0.01554	-0.3731	0.214	0.31	1	HC_vs_MS.NoTrt_F
GPR160	0.01556	0.30311	0.055	0.12	1	HC_vs_MS.NoTrt_F
SCO2	0.01565	0.75722	0.078	0.15	1	HC_vs_MS.NoTrt_F
ZNF275	0.01565	-0.3197	0.072	0.14	1	HC_vs_MS.NoTrt_F
SETMAR	0.01565	-0.4405	0.332	0.45	1	HC_vs_MS.NoTrt_F
PEMT	0.0157	0.49659	0.084	0.16	1	HC_vs_MS.NoTrt_F
PSMC4	0.01571	-0.4623	0.543	0.6	1	HC_vs_MS.NoTrt_F
ABCC2	0.01571	0.31547	0.514	0.66	1	HC_vs_MS.NoTrt_F
BAG4	0.01573	0.29759	0.223	0.33	1	HC_vs_MS.NoTrt_F
EMC8	0.01582	-0.9105	0.208	0.29	1	HC_vs_MS.NoTrt_F
SNRPC	0.01586	0.38227	0.272	0.39	1	HC_vs_MS.NoTrt_F
SAMD9L	0.01589	-0.3013	0.246	0.34	1	HC_vs_MS.NoTrt_F
MKKS	0.0159	-0.6266	0.104	0.18	1	HC_vs_MS.NoTrt_F
UPF1	0.016	0.78999	0.13	0.21	1	HC_vs_MS.NoTrt_F
NAV1	0.01601	0.56542	0.908	0.89	1	HC_vs_MS.NoTrt_F
SUMO4	0.01603	1.4947	0.049	0.11	1	HC_vs_MS.NoTrt_F
KIR3DX1	0.01608	0.31334	0.931	0.92	1	HC_vs_MS.NoTrt_F
KCNE4	0.01618	0.28472	0.919	0.87	1	HC_vs_MS.NoTrt_F
LGMN	0.01624	0.3168	0.971	0.96	1	HC_vs_MS.NoTrt_F
ROCK2	0.01627	0.44045	0.471	0.59	1	HC_vs_MS.NoTrt_F
SURF4	0.01628	0.33403	0.306	0.44	1	HC_vs_MS.NoTrt_F
NPC2	0.01629	0.3233	0.15	0.24	1	HC_vs_MS.NoTrt_F
ANKHD1-EIF	0.01631	0.96491	0.064	0.13	1	HC_vs_MS.NoTrt_F
RAB3GAP1	0.01631	-0.3789	0.402	0.49	1	HC_vs_MS.NoTrt_F
ZNF821	0.01632	0.98896	0.084	0.16	1	HC_vs_MS.NoTrt_F
KLF12	0.01633	-0.3142	0.376	0.5	1	HC_vs_MS.NoTrt_F
PPM1L	0.01636	-1.1112	0.246	0.33	1	HC_vs_MS.NoTrt_F
ZNF783	0.0164	0.34666	0.442	0.52	1	HC_vs_MS.NoTrt_F
MS4A7	0.01644	0.36502	0.829	0.8	1	HC_vs_MS.NoTrt_F
UBLCP1	0.01644	0.64802	0.214	0.31	1	HC_vs_MS.NoTrt_F

SEMA3G	0.01654	-0.54	0.049	0.11	1	HC_vs_MS.NoTrt_F
CENPT	0.01658	-0.564	0.269	0.37	1	HC_vs_MS.NoTrt_F
ATG9A	0.01659	0.34127	0.116	0.19	1	HC_vs_MS.NoTrt_F
FAM91A1	0.01659	-0.6854	0.344	0.45	1	HC_vs_MS.NoTrt_F
EPHX1	0.01664	0.25407	0.107	0.18	1	HC_vs_MS.NoTrt_F
ADH7	0.01671	-0.369	0.188	0.28	1	HC_vs_MS.NoTrt_F
SCGB2B2	0.01672	1.33156	0.066	0.13	1	HC_vs_MS.NoTrt_F
RCS1	0.01677	-0.3264	0.936	0.96	1	HC_vs_MS.NoTrt_F
RPL7L1	0.01679	0.26575	1	1	1	HC_vs_MS.NoTrt_F
CCDC22	0.01679	-0.3411	0.162	0.25	1	HC_vs_MS.NoTrt_F
PARVG	0.01683	0.25008	0.315	0.44	1	HC_vs_MS.NoTrt_F
BDH2	0.01693	-0.5139	0.234	0.32	1	HC_vs_MS.NoTrt_F
RCE1	0.01699	-0.6472	0.136	0.21	1	HC_vs_MS.NoTrt_F
TIMM8B	0.01706	-0.4281	0.118	0.19	1	HC_vs_MS.NoTrt_F
BOLA1	0.01708	0.6415	0.072	0.14	1	HC_vs_MS.NoTrt_F
STRADB	0.01708	-0.4406	0.101	0.17	1	HC_vs_MS.NoTrt_F
EEF2KMT	0.01709	0.39699	0.104	0.18	1	HC_vs_MS.NoTrt_F
ZNF143	0.0171	-0.2732	0.15	0.23	1	HC_vs_MS.NoTrt_F
AGFG2	0.01711	0.26337	0.355	0.46	1	HC_vs_MS.NoTrt_F
FRG2C	0.01713	0.89533	0.194	0.29	1	HC_vs_MS.NoTrt_F
MMP24	0.01714	0.40263	0.095	0.17	1	HC_vs_MS.NoTrt_F
TOP3B	0.01714	0.6917	0.15	0.24	1	HC_vs_MS.NoTrt_F
SLC35G1	0.01718	-0.3776	0.176	0.25	1	HC_vs_MS.NoTrt_F
ANP32A	0.01724	-0.2559	0.312	0.4	1	HC_vs_MS.NoTrt_F
PSMD4	0.01727	-0.3967	0.694	0.75	1	HC_vs_MS.NoTrt_F
PEX19	0.01731	0.25472	0.156	0.24	1	HC_vs_MS.NoTrt_F
RP11-949J7.	0.01731	-1.3165	0.087	0.16	1	HC_vs_MS.NoTrt_F
ATF6	0.01734	0.44149	0.283	0.38	1	HC_vs_MS.NoTrt_F
FUT8	0.01737	0.43061	1	0.99	1	HC_vs_MS.NoTrt_F
HEATR1	0.0175	-0.5564	0.202	0.3	1	HC_vs_MS.NoTrt_F
SMYD3	0.0175	-0.406	0.234	0.33	1	HC_vs_MS.NoTrt_F
LIN7C	0.01752	-0.253	0.347	0.45	1	HC_vs_MS.NoTrt_F
NCF2	0.01759	0.4456	0.064	0.13	1	HC_vs_MS.NoTrt_F
MT-CYB	0.01775	0.58309	0.792	0.79	1	HC_vs_MS.NoTrt_F
FARP2	0.01776	-1.3256	0.376	0.46	1	HC_vs_MS.NoTrt_F
FAR1	0.01776	0.29609	0.104	0.18	1	HC_vs_MS.NoTrt_F
LRRFIP1	0.0178	0.3876	0.997	1	1	HC_vs_MS.NoTrt_F
DPM3	0.01782	0.42765	0.066	0.13	1	HC_vs_MS.NoTrt_F
GALNT8	0.01786	0.38987	0.052	0.11	1	HC_vs_MS.NoTrt_F
ALG3	0.01787	0.35786	0.173	0.27	1	HC_vs_MS.NoTrt_F



PLEKHA4	0.01788	-0.3144	0.081	0.15	1	HC_vs_MS.NoTrt_F
AL078584.1	0.01789	-0.5562	0.471	0.53	1	HC_vs_MS.NoTrt_F
FAM50A	0.01795	0.43136	0.142	0.22	1	HC_vs_MS.NoTrt_F
NUDT16L1	0.01797	0.27801	0.153	0.24	1	HC_vs_MS.NoTrt_F
RPS6KB1	0.01798	-0.3861	0.87	0.95	1	HC_vs_MS.NoTrt_F
LLNLF-187D	0.01805	0.31058	0.659	0.54	1	HC_vs_MS.NoTrt_F
REL	0.0181	0.62002	0.983	0.97	1	HC_vs_MS.NoTrt_F
PLEKHM2	0.01817	-0.6047	0.049	0.11	1	HC_vs_MS.NoTrt_F
SLC25A53	0.01817	0.31868	0.483	0.59	1	HC_vs_MS.NoTrt_F
KCTD10	0.01818	1.15361	0.483	0.37	1	HC_vs_MS.NoTrt_F
PGM3	0.01823	0.7831	0.263	0.37	1	HC_vs_MS.NoTrt_F
AC068533.7	0.01825	0.38477	0.052	0.11	1	HC_vs_MS.NoTrt_F
PLCG2	0.01826	0.9376	0.113	0.19	1	HC_vs_MS.NoTrt_F
ZNF223	0.01826	0.43716	0.104	0.18	1	HC_vs_MS.NoTrt_F
DCAF12	0.0183	-0.5425	0.179	0.27	1	HC_vs_MS.NoTrt_F
NDUFB5	0.01833	-0.6783	0.702	0.75	1	HC_vs_MS.NoTrt_F
HDHD3	0.01833	-0.2558	0.194	0.28	1	HC_vs_MS.NoTrt_F
PKP2	0.01836	0.42461	0.676	0.58	1	HC_vs_MS.NoTrt_F
VAMP3	0.01846	-0.3594	0.353	0.44	1	HC_vs_MS.NoTrt_F
ZDHHC6	0.01853	-0.2616	0.188	0.28	1	HC_vs_MS.NoTrt_F
PDK2	0.01855	-0.4097	0.292	0.39	1	HC_vs_MS.NoTrt_F
DERL1	0.01864	-0.291	0.529	0.58	1	HC_vs_MS.NoTrt_F
MTMR2	0.01878	-0.3533	0.208	0.29	1	HC_vs_MS.NoTrt_F
FNTB	0.01878	-0.5717	0.162	0.24	1	HC_vs_MS.NoTrt_F
AGFG1	0.01879	-0.4818	0.095	0.17	1	HC_vs_MS.NoTrt_F
ISYNA1	0.01892	0.43067	0.11	0.18	1	HC_vs_MS.NoTrt_F
ALDOC	0.01892	0.42806	0.095	0.17	1	HC_vs_MS.NoTrt_F
CLSTN1	0.01894	0.25395	0.188	0.28	1	HC_vs_MS.NoTrt_F
UTP14C	0.01897	-0.9396	0.194	0.28	1	HC_vs_MS.NoTrt_F
LRG1	0.019	0.32195	0.835	0.76	1	HC_vs_MS.NoTrt_F
PHLPP2	0.019	0.30465	0.818	0.75	1	HC_vs_MS.NoTrt_F
BMT2	0.019	0.76215	0.136	0.22	1	HC_vs_MS.NoTrt_F
ETV7	0.01902	-0.5968	0.058	0.12	1	HC_vs_MS.NoTrt_F
CXCR5	0.01906	0.29259	0.153	0.24	1	HC_vs_MS.NoTrt_F
NCKAP1	0.01924	0.77787	0.743	0.65	1	HC_vs_MS.NoTrt_F
ZNF512	0.01926	-0.2943	0.142	0.22	1	HC_vs_MS.NoTrt_F
SEC24D	0.01931	-0.3417	0.526	0.6	1	HC_vs_MS.NoTrt_F
RSAD1	0.01934	0.45258	0.113	0.19	1	HC_vs_MS.NoTrt_F
SMARCA5	0.01937	-0.2826	0.384	0.49	1	HC_vs_MS.NoTrt_F
ABCA3	0.01946	0.27836	0.078	0.14	1	HC_vs_MS.NoTrt_F

TMCC1	0.01948	0.33687	0.118	0.19	1	HC_vs_MS.NoTrt_F
APOD	0.01949	2.30074	0.35	0.26	1	HC_vs_MS.NoTrt_F
SP4	0.01951	-0.6904	0.448	0.5	1	HC_vs_MS.NoTrt_F
CAPN12	0.01952	0.93599	0.613	0.54	1	HC_vs_MS.NoTrt_F
MFSD13A	0.01955	-0.5909	0.777	0.85	1	HC_vs_MS.NoTrt_F
DDX10	0.01956	-0.8294	0.694	0.75	1	HC_vs_MS.NoTrt_F
PIGK	0.01958	-0.5249	0.136	0.21	1	HC_vs_MS.NoTrt_F
STEAP2	0.01958	0.29282	0.78	0.73	1	HC_vs_MS.NoTrt_F
VPS54	0.01963	-0.6261	0.419	0.53	1	HC_vs_MS.NoTrt_F
C21orf2	0.01966	-0.2673	0.185	0.27	1	HC_vs_MS.NoTrt_F
SLC39A11	0.0197	0.39539	0.272	0.38	1	HC_vs_MS.NoTrt_F
LCMT1	0.01972	0.29064	0.202	0.3	1	HC_vs_MS.NoTrt_F
ZMYM5	0.01976	-0.3956	0.292	0.38	1	HC_vs_MS.NoTrt_F
CYTH2	0.01981	0.43795	0.676	0.77	1	HC_vs_MS.NoTrt_F
IMPA2	0.01989	0.28782	0.87	0.82	1	HC_vs_MS.NoTrt_F
CSNK1G3	0.0199	-0.2693	0.133	0.22	1	HC_vs_MS.NoTrt_F
BLK	0.01993	0.74156	0.069	0.13	1	HC_vs_MS.NoTrt_F
RPE	0.01994	-0.3849	0.353	0.45	1	HC_vs_MS.NoTrt_F
NCAPD3	0.01995	0.38038	0.11	0.18	1	HC_vs_MS.NoTrt_F
AQP7	0.01995	1.05078	0.147	0.08	1	HC_vs_MS.NoTrt_F
ZNF692	0.02007	0.31518	0.13	0.21	1	HC_vs_MS.NoTrt_F
PTBP2	0.02015	-0.4525	0.682	0.72	1	HC_vs_MS.NoTrt_F
CTC-432M1!	0.02027	1.27432	0.061	0.12	1	HC_vs_MS.NoTrt_F
FAM199X	0.02044	1.23167	0.072	0.14	1	HC_vs_MS.NoTrt_F
SLC25A37	0.02045	0.64431	0.65	0.8	1	HC_vs_MS.NoTrt_F
CTC-479C5.1	0.02045	-0.547	0.601	0.63	1	HC_vs_MS.NoTrt_F
PYGO2	0.02053	-0.6085	0.173	0.25	1	HC_vs_MS.NoTrt_F
VPS4A	0.02055	-0.3256	0.688	0.75	1	HC_vs_MS.NoTrt_F
ORC3	0.02057	0.51305	0.191	0.28	1	HC_vs_MS.NoTrt_F
ABCD2	0.02059	0.32709	0.118	0.19	1	HC_vs_MS.NoTrt_F
WNT10A	0.0206	1.08854	0.159	0.25	1	HC_vs_MS.NoTrt_F
KIAA1147	0.02061	-0.2686	0.124	0.2	1	HC_vs_MS.NoTrt_F
HINT2	0.02065	0.46784	0.107	0.18	1	HC_vs_MS.NoTrt_F
SLC16A4	0.02067	0.49692	0.749	0.69	1	HC_vs_MS.NoTrt_F
MRPL24	0.02068	-0.3324	0.145	0.22	1	HC_vs_MS.NoTrt_F
HAUS4	0.0207	-0.2697	0.156	0.24	1	HC_vs_MS.NoTrt_F
LINC00959	0.02074	-0.8013	0.147	0.23	1	HC_vs_MS.NoTrt_F
CARMIL2	0.02074	1.58046	0.095	0.17	1	HC_vs_MS.NoTrt_F
GJB7	0.02074	0.66073	0.09	0.16	1	HC_vs_MS.NoTrt_F
LSM1	0.02079	0.29321	0.162	0.25	1	HC_vs_MS.NoTrt_F

CIDEB	0.02082	0.61495	0.072	0.14	1	HC_vs_MS.NoTrt_F
ZC2HC1A	0.0209	0.29994	0.22	0.32	1	HC_vs_MS.NoTrt_F
INO80E	0.02092	-0.3564	0.22	0.3	1	HC_vs_MS.NoTrt_F
ZNF394	0.02096	-0.5022	0.509	0.61	1	HC_vs_MS.NoTrt_F
CCDC7	0.02096	0.78983	0.191	0.29	1	HC_vs_MS.NoTrt_F
TTC8	0.02101	0.32932	0.757	0.69	1	HC_vs_MS.NoTrt_F
MED1	0.02102	-0.6677	0.396	0.48	1	HC_vs_MS.NoTrt_F
PLEKHG4	0.02103	-0.5872	0.197	0.28	1	HC_vs_MS.NoTrt_F
ISPD	0.02109	0.45715	0.882	0.82	1	HC_vs_MS.NoTrt_F
FBXO7	0.02117	-0.3758	0.315	0.41	1	HC_vs_MS.NoTrt_F
RNPEPL1	0.02127	0.77274	0.171	0.26	1	HC_vs_MS.NoTrt_F
NANS	0.02127	0.69777	0.812	0.81	1	HC_vs_MS.NoTrt_F
MYCBP	0.02131	0.48331	0.145	0.23	1	HC_vs_MS.NoTrt_F
CEMIP	0.02132	-0.2802	0.069	0.13	1	HC_vs_MS.NoTrt_F
AHRR	0.02138	0.38533	0.136	0.22	1	HC_vs_MS.NoTrt_F
XBP1	0.0215	-0.2561	0.188	0.28	1	HC_vs_MS.NoTrt_F
SMARCE1	0.02152	-0.4938	0.523	0.6	1	HC_vs_MS.NoTrt_F
EML6	0.02162	0.59769	0.665	0.62	1	HC_vs_MS.NoTrt_F
TTYH2	0.02166	-0.4124	0.116	0.19	1	HC_vs_MS.NoTrt_F
SEMA6A	0.0217	0.31546	0.066	0.13	1	HC_vs_MS.NoTrt_F
CNOT7	0.02174	-0.32	0.546	0.62	1	HC_vs_MS.NoTrt_F
TEPSIN	0.02174	0.85323	0.15	0.23	1	HC_vs_MS.NoTrt_F
IFI30	0.02176	-0.4829	0.364	0.48	1	HC_vs_MS.NoTrt_F
BTBD19	0.02179	0.79658	0.795	0.72	1	HC_vs_MS.NoTrt_F
ATP8A1	0.0218	0.45804	0.15	0.23	1	HC_vs_MS.NoTrt_F
RBMS2	0.02183	0.38714	0.939	0.88	1	HC_vs_MS.NoTrt_F
BUB1B	0.02184	-0.5556	0.448	0.34	1	HC_vs_MS.NoTrt_F
MIEN1	0.02185	0.33209	0.165	0.25	1	HC_vs_MS.NoTrt_F
ROMO1	0.02192	0.44447	0.234	0.34	1	HC_vs_MS.NoTrt_F
PLIN2	0.02193	0.25659	0.697	0.76	1	HC_vs_MS.NoTrt_F
TEN1	0.02194	-0.7796	0.329	0.41	1	HC_vs_MS.NoTrt_F
MYCBP2	0.02197	0.4651	0.465	0.64	1	HC_vs_MS.NoTrt_F
PTGES3L	0.022	0.32166	0.844	0.82	1	HC_vs_MS.NoTrt_F
CCDC144A	0.02201	0.78938	0.908	0.91	1	HC_vs_MS.NoTrt_F
C10orf76	0.02211	-0.3447	0.376	0.47	1	HC_vs_MS.NoTrt_F
ADNP2	0.02212	0.27821	0.078	0.14	1	HC_vs_MS.NoTrt_F
PGK1	0.02215	-0.258	0.717	0.79	1	HC_vs_MS.NoTrt_F
EXOC7	0.02219	-0.3006	0.465	0.53	1	HC_vs_MS.NoTrt_F
SMTN	0.02219	0.79054	0.442	0.32	1	HC_vs_MS.NoTrt_F
ZNF362	0.02223	0.41195	0.15	0.23	1	HC_vs_MS.NoTrt_F

TAOK3	0.02229	0.34126	0.792	0.85	1	HC_vs_MS.NoTrt_F
DNAJB9	0.02232	0.25575	0.171	0.26	1	HC_vs_MS.NoTrt_F
ZBED6CL	0.02239	1.60425	0.069	0.13	1	HC_vs_MS.NoTrt_F
TPP2	0.02248	-0.3114	0.517	0.64	1	HC_vs_MS.NoTrt_F
MRPL14	0.02251	0.28889	0.136	0.22	1	HC_vs_MS.NoTrt_F
CD300LD	0.02265	0.25859	0.355	0.46	1	HC_vs_MS.NoTrt_F
MRPL45	0.0227	0.57157	0.078	0.14	1	HC_vs_MS.NoTrt_F
DNAJC13	0.02272	0.53034	0.263	0.36	1	HC_vs_MS.NoTrt_F
NPIPB5	0.02272	0.41306	0.971	0.99	1	HC_vs_MS.NoTrt_F
CDC14A	0.0228	0.2562	0.303	0.42	1	HC_vs_MS.NoTrt_F
ZCWPW1	0.0228	-0.7977	0.095	0.17	1	HC_vs_MS.NoTrt_F
EIF2A	0.02287	-0.3985	0.621	0.68	1	HC_vs_MS.NoTrt_F
XXbac-BPG2	0.02291	0.55697	0.081	0.15	1	HC_vs_MS.NoTrt_F
TMEM145	0.02294	0.26317	0.942	0.97	1	HC_vs_MS.NoTrt_F
POLD2	0.02299	0.42164	0.124	0.2	1	HC_vs_MS.NoTrt_F
ZBTB32	0.02302	0.48209	0.069	0.13	1	HC_vs_MS.NoTrt_F
EXTL2	0.02302	0.46881	0.066	0.13	1	HC_vs_MS.NoTrt_F
SPATS2	0.02302	0.4452	0.977	0.95	1	HC_vs_MS.NoTrt_F
RUSC1	0.02315	0.50486	0.084	0.15	1	HC_vs_MS.NoTrt_F
DOCK11	0.02316	0.3037	0.555	0.73	1	HC_vs_MS.NoTrt_F
ELP5	0.02329	0.65822	0.133	0.22	1	HC_vs_MS.NoTrt_F
MTHFSD	0.02342	-0.9803	0.087	0.16	1	HC_vs_MS.NoTrt_F
API5	0.0235	-0.6263	0.327	0.4	1	HC_vs_MS.NoTrt_F
MCMBP	0.02352	0.55641	0.523	0.6	1	HC_vs_MS.NoTrt_F
ZMYM3	0.02354	-0.5319	0.408	0.51	1	HC_vs_MS.NoTrt_F
C6orf1	0.02356	0.51961	0.159	0.25	1	HC_vs_MS.NoTrt_F
HBB	0.02357	-3.8156	0.075	0.14	1	HC_vs_MS.NoTrt_F
SDHD	0.02358	-0.4135	0.685	0.75	1	HC_vs_MS.NoTrt_F
ZNF626	0.02361	0.71867	0.783	0.72	1	HC_vs_MS.NoTrt_F
LYAR	0.02367	0.27202	0.121	0.2	1	HC_vs_MS.NoTrt_F
SLA2	0.02369	-0.5128	0.572	0.66	1	HC_vs_MS.NoTrt_F
ACTR3B	0.02377	0.79032	0.592	0.5	1	HC_vs_MS.NoTrt_F
ICOS	0.02387	0.31787	0.405	0.54	1	HC_vs_MS.NoTrt_F
PPARD	0.02392	-0.4949	0.561	0.65	1	HC_vs_MS.NoTrt_F
C5orf45	0.02394	0.68159	0.913	0.92	1	HC_vs_MS.NoTrt_F
ARPP19	0.02402	0.30195	0.486	0.61	1	HC_vs_MS.NoTrt_F
SSSCA1	0.02407	0.29881	0.11	0.18	1	HC_vs_MS.NoTrt_F
RP11-458D2	0.02407	-0.7876	0.127	0.2	1	HC_vs_MS.NoTrt_F
ANXA1	0.02409	0.58322	0.422	0.36	1	HC_vs_MS.NoTrt_F
RP11-192H2	0.0241	0.41063	0.737	0.75	1	HC_vs_MS.NoTrt_F

DDX58	0.02417	-0.5949	0.364	0.45	1	HC_vs_MS.NoTrt_F
ATP1A1	0.0242	-0.4021	0.749	0.81	1	HC_vs_MS.NoTrt_F
KIAA0825	0.02421	0.9537	0.361	0.47	1	HC_vs_MS.NoTrt_F
DBT	0.02423	-0.535	0.867	0.92	1	HC_vs_MS.NoTrt_F
CREB1	0.02432	-0.5218	0.665	0.71	1	HC_vs_MS.NoTrt_F
NMRK1	0.02438	-0.6412	0.382	0.44	1	HC_vs_MS.NoTrt_F
LRFN1	0.02439	-0.618	0.173	0.25	1	HC_vs_MS.NoTrt_F
AMIGO2	0.0244	-0.4029	0.058	0.12	1	HC_vs_MS.NoTrt_F
ZNF624	0.02447	-0.306	0.434	0.52	1	HC_vs_MS.NoTrt_F
NSA2	0.02455	0.28959	0.335	0.44	1	HC_vs_MS.NoTrt_F
ZNF420	0.02459	-0.4557	0.127	0.2	1	HC_vs_MS.NoTrt_F
IFI35	0.0246	0.64612	0.873	0.83	1	HC_vs_MS.NoTrt_F
POT1	0.02467	-0.5996	0.11	0.18	1	HC_vs_MS.NoTrt_F
TNPO1	0.02468	-0.297	0.549	0.63	1	HC_vs_MS.NoTrt_F
ZYG11B	0.02468	-0.2537	0.763	0.82	1	HC_vs_MS.NoTrt_F
KIF5C	0.02468	-0.4608	0.058	0.12	1	HC_vs_MS.NoTrt_F
MGST2	0.02469	-0.5834	0.214	0.29	1	HC_vs_MS.NoTrt_F
TTC27	0.02471	1.04718	0.145	0.23	1	HC_vs_MS.NoTrt_F
CRB3	0.02476	0.2909	0.064	0.12	1	HC_vs_MS.NoTrt_F
ARL8B	0.02477	-0.4521	0.474	0.55	1	HC_vs_MS.NoTrt_F
HTRA2	0.0248	-0.3245	0.139	0.22	1	HC_vs_MS.NoTrt_F
DOT1L	0.02486	0.67271	0.818	0.79	1	HC_vs_MS.NoTrt_F
ATR	0.02488	0.25921	0.561	0.66	1	HC_vs_MS.NoTrt_F
DDX52	0.02488	0.41339	0.916	0.89	1	HC_vs_MS.NoTrt_F
CLYBL	0.02489	-0.2891	0.124	0.2	1	HC_vs_MS.NoTrt_F
SEMA4B	0.02489	-1.0754	0.376	0.48	1	HC_vs_MS.NoTrt_F
ACTR6	0.02496	-0.2957	0.564	0.65	1	HC_vs_MS.NoTrt_F
GFM2	0.025	-1.0105	0.254	0.34	1	HC_vs_MS.NoTrt_F
SLF1	0.02513	0.4522	0.197	0.29	1	HC_vs_MS.NoTrt_F
PYGM	0.02514	0.33902	0.801	0.77	1	HC_vs_MS.NoTrt_F
ZER1	0.02517	-0.3386	0.145	0.22	1	HC_vs_MS.NoTrt_F
EVI2A	0.02521	0.4573	0.225	0.33	1	HC_vs_MS.NoTrt_F
ZNF649	0.02521	0.38378	0.205	0.29	1	HC_vs_MS.NoTrt_F
GRPEL1	0.02531	-0.2855	0.156	0.24	1	HC_vs_MS.NoTrt_F
NUTM2D	0.02535	0.27501	0.095	0.17	1	HC_vs_MS.NoTrt_F
KRBOX4	0.02543	-0.4259	0.483	0.58	1	HC_vs_MS.NoTrt_F
TMEM261	0.02544	0.29106	0.165	0.25	1	HC_vs_MS.NoTrt_F
RFXANK	0.0255	-0.7303	0.26	0.35	1	HC_vs_MS.NoTrt_F
GPR22	0.02554	-0.5446	0.127	0.2	1	HC_vs_MS.NoTrt_F
PGBD2	0.02567	-0.6783	0.373	0.48	1	HC_vs_MS.NoTrt_F

CCR3	0.02568	0.55481	0.078	0.14	1	HC_vs_MS.NoTrt_F
AKT3	0.02569	0.67487	0.798	0.76	1	HC_vs_MS.NoTrt_F
CKS2	0.02571	0.38027	0.069	0.13	1	HC_vs_MS.NoTrt_F
ZBTB41	0.02573	1.44545	0.066	0.13	1	HC_vs_MS.NoTrt_F
CCDC142	0.02575	0.29073	0.676	0.61	1	HC_vs_MS.NoTrt_F
SLC41A3	0.02578	-0.4494	0.393	0.49	1	HC_vs_MS.NoTrt_F
NDUFC1	0.02578	0.48581	0.289	0.4	1	HC_vs_MS.NoTrt_F
SIRT3	0.02588	0.81748	0.318	0.41	1	HC_vs_MS.NoTrt_F
GPRASP1	0.02595	0.92884	0.075	0.14	1	HC_vs_MS.NoTrt_F
PAIP2B	0.02602	-0.521	0.254	0.34	1	HC_vs_MS.NoTrt_F
PLIN3	0.02604	-0.5368	0.561	0.6	1	HC_vs_MS.NoTrt_F
ZFP37	0.02606	-1.0024	0.425	0.51	1	HC_vs_MS.NoTrt_F
DDX19B	0.02623	-0.3826	0.509	0.57	1	HC_vs_MS.NoTrt_F
TMEM98	0.02623	0.35597	0.61	0.53	1	HC_vs_MS.NoTrt_F
GRHL1	0.02631	-0.3787	0.509	0.59	1	HC_vs_MS.NoTrt_F
BLVRB	0.02631	0.35098	0.413	0.31	1	HC_vs_MS.NoTrt_F
RARG	0.02653	0.85628	0.055	0.11	1	HC_vs_MS.NoTrt_F
MKS1	0.02655	0.57608	0.081	0.14	1	HC_vs_MS.NoTrt_F
NGDN	0.02658	-0.3714	0.367	0.45	1	HC_vs_MS.NoTrt_F
QSER1	0.02669	-0.6178	0.11	0.18	1	HC_vs_MS.NoTrt_F
LILRA2	0.0267	0.34871	0.838	0.75	1	HC_vs_MS.NoTrt_F
MRPS30	0.02672	-0.2804	0.312	0.39	1	HC_vs_MS.NoTrt_F
TLE4	0.02675	0.65428	0.199	0.29	1	HC_vs_MS.NoTrt_F
DOCK7	0.02678	0.41506	0.974	0.96	1	HC_vs_MS.NoTrt_F
KBTBD6	0.02678	-0.2727	0.399	0.46	1	HC_vs_MS.NoTrt_F
KIAA1586	0.02683	-0.3012	0.104	0.17	1	HC_vs_MS.NoTrt_F
IL1RL1	0.02693	1.65097	0.124	0.2	1	HC_vs_MS.NoTrt_F
KIZ	0.02693	0.85964	0.147	0.23	1	HC_vs_MS.NoTrt_F
GGPS1	0.02702	-0.4101	0.454	0.55	1	HC_vs_MS.NoTrt_F
SLC35C1	0.02707	0.40367	0.072	0.13	1	HC_vs_MS.NoTrt_F
CASD1	0.02709	1.1443	0.075	0.14	1	HC_vs_MS.NoTrt_F
UCKL1	0.02715	0.29813	0.188	0.28	1	HC_vs_MS.NoTrt_F
IFFO2	0.02717	-0.4123	0.176	0.25	1	HC_vs_MS.NoTrt_F
NLRP2	0.02742	0.2755	0.85	0.8	1	HC_vs_MS.NoTrt_F
NPEPL1	0.02745	0.85174	0.176	0.27	1	HC_vs_MS.NoTrt_F
ARRDC1	0.02763	-0.2994	0.306	0.38	1	HC_vs_MS.NoTrt_F
REV1	0.02768	-0.8029	0.211	0.29	1	HC_vs_MS.NoTrt_F
ZNF627	0.02775	1.29517	0.633	0.54	1	HC_vs_MS.NoTrt_F
JCHAIN	0.02779	1.2011	0.11	0.18	1	HC_vs_MS.NoTrt_F
MLYCD	0.02782	-0.3175	0.422	0.51	1	HC_vs_MS.NoTrt_F

GSTP1	0.02782	-0.7314	0.075	0.13	1	HC_vs_MS.NoTrt_F
KLF10	0.02786	-0.4701	0.098	0.17	1	HC_vs_MS.NoTrt_F
DPP4	0.0279	0.32843	0.124	0.2	1	HC_vs_MS.NoTrt_F
UBR3	0.02792	-0.4905	0.171	0.24	1	HC_vs_MS.NoTrt_F
CFAP70	0.02804	-0.7922	0.269	0.35	1	HC_vs_MS.NoTrt_F
ABHD16A	0.02805	-0.3987	0.208	0.29	1	HC_vs_MS.NoTrt_F
BUD13	0.02807	0.34257	0.104	0.17	1	HC_vs_MS.NoTrt_F
GPR68	0.02816	0.53036	0.139	0.22	1	HC_vs_MS.NoTrt_F
FAAH2	0.02818	0.80573	0.127	0.2	1	HC_vs_MS.NoTrt_F
KDELRL1	0.0282	-0.8008	0.266	0.35	1	HC_vs_MS.NoTrt_F
ALAD	0.02825	-0.3243	0.431	0.52	1	HC_vs_MS.NoTrt_F
CENPI	0.02826	0.86492	0.471	0.39	1	HC_vs_MS.NoTrt_F
RAD50	0.02827	0.5948	0.225	0.32	1	HC_vs_MS.NoTrt_F
RP11-244H3	0.02837	-0.8998	0.107	0.17	1	HC_vs_MS.NoTrt_F
LILRA5	0.0284	0.32205	0.754	0.76	1	HC_vs_MS.NoTrt_F
GEMIN5	0.02843	-0.6496	0.052	0.11	1	HC_vs_MS.NoTrt_F
GID8	0.02849	0.3463	0.191	0.28	1	HC_vs_MS.NoTrt_F
ST20-MTHFS	0.02859	0.29932	0.145	0.22	1	HC_vs_MS.NoTrt_F
CEP55	0.02865	-0.5437	0.15	0.23	1	HC_vs_MS.NoTrt_F
CMIP	0.02867	-0.3542	0.11	0.18	1	HC_vs_MS.NoTrt_F
IMPACT	0.02869	-0.3314	0.061	0.12	1	HC_vs_MS.NoTrt_F
GDF5	0.0287	0.27179	0.081	0.14	1	HC_vs_MS.NoTrt_F
NXT1	0.02871	-0.3873	0.118	0.19	1	HC_vs_MS.NoTrt_F
RSBN1	0.02873	0.41995	0.275	0.38	1	HC_vs_MS.NoTrt_F
KIAA0556	0.02875	-0.5659	0.358	0.45	1	HC_vs_MS.NoTrt_F
LDLR	0.02881	0.54216	0.98	0.96	1	HC_vs_MS.NoTrt_F
VPS18	0.02889	-0.7827	0.251	0.34	1	HC_vs_MS.NoTrt_F
SCFD2	0.0289	0.7387	0.087	0.16	1	HC_vs_MS.NoTrt_F
WDR60	0.02898	0.29163	0.15	0.23	1	HC_vs_MS.NoTrt_F
CCDC88C	0.02905	0.25637	0.569	0.67	1	HC_vs_MS.NoTrt_F
TMEM187	0.02906	0.91531	0.064	0.12	1	HC_vs_MS.NoTrt_F
KDM1A	0.02917	0.35345	0.084	0.15	1	HC_vs_MS.NoTrt_F
IPPK	0.02924	-0.8342	0.101	0.17	1	HC_vs_MS.NoTrt_F
AC009133.2	0.02928	0.29179	0.124	0.2	1	HC_vs_MS.NoTrt_F
PECAM1	0.02939	0.60858	0.798	0.76	1	HC_vs_MS.NoTrt_F
LAMC3	0.02945	0.25718	0.283	0.39	1	HC_vs_MS.NoTrt_F
HMCES	0.02963	0.35356	0.136	0.21	1	HC_vs_MS.NoTrt_F
BAHD1	0.02973	1.2215	0.075	0.14	1	HC_vs_MS.NoTrt_F
KXD1	0.02974	-0.361	0.858	0.87	1	HC_vs_MS.NoTrt_F
PNPLA7	0.02975	0.7539	0.098	0.17	1	HC_vs_MS.NoTrt_F

H1FX	0.02981	0.80075	0.064	0.12	1	HC_vs_MS.NoTrt_F
MOB3C	0.02993	1.38282	0.072	0.13	1	HC_vs_MS.NoTrt_F
GPAT2	0.02998	0.26311	0.052	0.11	1	HC_vs_MS.NoTrt_F
PPIC	0.03	0.34336	0.173	0.11	1	HC_vs_MS.NoTrt_F
ZNF124	0.03006	0.98197	0.769	0.67	1	HC_vs_MS.NoTrt_F
C1GALT1	0.03023	-0.298	0.613	0.67	1	HC_vs_MS.NoTrt_F
KLRB1	0.03032	0.35352	0.199	0.29	1	HC_vs_MS.NoTrt_F
CTSA	0.03039	-0.6678	0.668	0.74	1	HC_vs_MS.NoTrt_F
GPX3	0.03041	0.89896	0.205	0.14	1	HC_vs_MS.NoTrt_F
IDH3G	0.03042	0.29183	0.197	0.29	1	HC_vs_MS.NoTrt_F
RASAL3	0.03049	0.36001	0.22	0.32	1	HC_vs_MS.NoTrt_F
GGT1	0.03049	0.83345	0.156	0.24	1	HC_vs_MS.NoTrt_F
FLYWCH1	0.03052	0.27267	0.832	0.9	1	HC_vs_MS.NoTrt_F
ACAN	0.03053	0.30336	0.269	0.37	1	HC_vs_MS.NoTrt_F
TRMT10C	0.03057	0.44571	0.121	0.19	1	HC_vs_MS.NoTrt_F
SLC25A51	0.03065	-0.6107	0.575	0.64	1	HC_vs_MS.NoTrt_F
CISD3	0.03071	0.43972	0.118	0.19	1	HC_vs_MS.NoTrt_F
ICE1	0.03071	0.86411	0.118	0.19	1	HC_vs_MS.NoTrt_F
ENSA	0.03075	-0.5501	0.821	0.88	1	HC_vs_MS.NoTrt_F
GRK3	0.03079	-0.581	0.408	0.48	1	HC_vs_MS.NoTrt_F
SLC10A7	0.03086	-0.6162	0.107	0.17	1	HC_vs_MS.NoTrt_F
XXYLT1	0.03093	-0.788	0.217	0.3	1	HC_vs_MS.NoTrt_F
AGTRAP	0.03117	0.35026	0.179	0.27	1	HC_vs_MS.NoTrt_F
C15orf39	0.0312	0.51911	0.098	0.17	1	HC_vs_MS.NoTrt_F
SFXN2	0.03136	0.44914	0.925	0.93	1	HC_vs_MS.NoTrt_F
EIF4A3	0.03138	-1.2689	0.786	0.8	1	HC_vs_MS.NoTrt_F
GRK6	0.0314	0.34304	0.223	0.32	1	HC_vs_MS.NoTrt_F
TOR2A	0.03143	-0.4392	0.133	0.2	1	HC_vs_MS.NoTrt_F
C12orf50	0.03144	0.3163	0.922	0.95	1	HC_vs_MS.NoTrt_F
STAMBP	0.03148	0.29057	0.162	0.24	1	HC_vs_MS.NoTrt_F
EIF4E	0.03166	0.25847	0.988	0.99	1	HC_vs_MS.NoTrt_F
MEPCE	0.03166	1.15419	0.084	0.15	1	HC_vs_MS.NoTrt_F
XKR6	0.03175	0.59348	0.084	0.15	1	HC_vs_MS.NoTrt_F
SUN1	0.0318	0.48208	0.717	0.7	1	HC_vs_MS.NoTrt_F
GRIN2C	0.03188	0.35821	0.28	0.38	1	HC_vs_MS.NoTrt_F
FMR1	0.03189	-0.3894	0.153	0.23	1	HC_vs_MS.NoTrt_F
SCMH1	0.03193	0.46262	0.176	0.26	1	HC_vs_MS.NoTrt_F
CHRNA6	0.03195	0.76589	0.367	0.28	1	HC_vs_MS.NoTrt_F
C4orf48	0.03198	0.39541	0.162	0.25	1	HC_vs_MS.NoTrt_F
GLCE	0.03199	-1.2587	0.165	0.23	1	HC_vs_MS.NoTrt_F



TXNDC12	0.03203	0.30283	0.199	0.28	1	HC_vs_MS.NoTrt_F
GSAP	0.03204	0.71762	0.09	0.16	1	HC_vs_MS.NoTrt_F
ZNF586	0.03206	0.29522	0.211	0.3	1	HC_vs_MS.NoTrt_F
ABCC5	0.03209	-0.4578	0.179	0.25	1	HC_vs_MS.NoTrt_F
PGGT1B	0.03209	0.3298	0.202	0.29	1	HC_vs_MS.NoTrt_F
TRIM58	0.03222	0.45768	0.691	0.61	1	HC_vs_MS.NoTrt_F
VPS51	0.03225	0.32856	0.283	0.39	1	HC_vs_MS.NoTrt_F
CAND1	0.03226	-0.4314	0.867	0.91	1	HC_vs_MS.NoTrt_F
MFSD5	0.03232	-0.5348	0.092	0.16	1	HC_vs_MS.NoTrt_F
OSBP	0.03234	0.81173	0.095	0.16	1	HC_vs_MS.NoTrt_F
USP13	0.03234	-0.3427	0.347	0.43	1	HC_vs_MS.NoTrt_F
RBM26	0.03235	0.2687	0.506	0.6	1	HC_vs_MS.NoTrt_F
MED17	0.03243	0.32588	0.957	0.95	1	HC_vs_MS.NoTrt_F
NFE2L3	0.0325	-0.8618	0.116	0.18	1	HC_vs_MS.NoTrt_F
EIF4ENIF1	0.03257	0.43386	0.653	0.71	1	HC_vs_MS.NoTrt_F
SSX5	0.03264	-0.3889	0.188	0.27	1	HC_vs_MS.NoTrt_F
SARM1	0.03264	0.26929	0.422	0.51	1	HC_vs_MS.NoTrt_F
RORC	0.03266	0.95205	0.121	0.19	1	HC_vs_MS.NoTrt_F
EIF2B3	0.03267	-0.5251	0.477	0.53	1	HC_vs_MS.NoTrt_F
CRYL1	0.03267	0.42197	0.11	0.18	1	HC_vs_MS.NoTrt_F
KIFC3	0.03274	0.53703	0.751	0.67	1	HC_vs_MS.NoTrt_F
PIK3R5	0.03281	0.2763	0.422	0.55	1	HC_vs_MS.NoTrt_F
NAXE	0.03289	0.417	0.162	0.24	1	HC_vs_MS.NoTrt_F
GNPDA2	0.03292	0.47601	0.092	0.16	1	HC_vs_MS.NoTrt_F
C17orf89	0.03293	0.59181	0.095	0.16	1	HC_vs_MS.NoTrt_F
HDAC6	0.03298	-0.3415	0.896	0.92	1	HC_vs_MS.NoTrt_F
FAM53C	0.03302	0.62401	0.841	0.82	1	HC_vs_MS.NoTrt_F
RAB7A	0.0331	-0.3646	0.474	0.55	1	HC_vs_MS.NoTrt_F
FBXL15	0.03312	0.3826	0.162	0.24	1	HC_vs_MS.NoTrt_F
CCDC174	0.03314	0.34669	0.211	0.3	1	HC_vs_MS.NoTrt_F
NOL9	0.03333	0.35286	0.968	0.96	1	HC_vs_MS.NoTrt_F
ENG	0.03336	1.33939	0.205	0.14	1	HC_vs_MS.NoTrt_F
CTD-3148110	0.03342	0.26487	0.11	0.18	1	HC_vs_MS.NoTrt_F
TNFAIP8	0.03342	-0.3033	0.899	0.91	1	HC_vs_MS.NoTrt_F
CYP2E1	0.03351	0.75691	0.087	0.15	1	HC_vs_MS.NoTrt_F
ZFP36L1	0.03353	0.61538	0.769	0.76	1	HC_vs_MS.NoTrt_F
LAMTOR1	0.03354	0.31383	0.254	0.37	1	HC_vs_MS.NoTrt_F
BPIFB1	0.03362	-0.3407	0.486	0.59	1	HC_vs_MS.NoTrt_F
ODF2L	0.03368	0.44658	0.986	0.97	1	HC_vs_MS.NoTrt_F
PTPN22	0.03372	-0.3723	0.416	0.51	1	HC_vs_MS.NoTrt_F

TXLNG	0.03372	0.30384	0.139	0.22	1	HC_vs_MS.NoTrt_F
SULT1A2	0.03378	0.26127	0.197	0.28	1	HC_vs_MS.NoTrt_F
HEXB	0.03385	-0.2913	0.197	0.28	1	HC_vs_MS.NoTrt_F
ZNF780B	0.03387	-1.1558	0.584	0.65	1	HC_vs_MS.NoTrt_F
ZNF236	0.03391	0.43655	0.182	0.27	1	HC_vs_MS.NoTrt_F
AKAP17A	0.03405	-0.3813	0.118	0.19	1	HC_vs_MS.NoTrt_F
SHTN1	0.03412	-1.0076	0.118	0.19	1	HC_vs_MS.NoTrt_F
LY6G5B	0.03413	0.28473	0.864	0.82	1	HC_vs_MS.NoTrt_F
ATPAF1	0.03423	-0.3834	0.263	0.34	1	HC_vs_MS.NoTrt_F
CDKL1	0.03438	0.72585	0.803	0.73	1	HC_vs_MS.NoTrt_F
PHACTR1	0.03439	0.90943	0.477	0.38	1	HC_vs_MS.NoTrt_F
KRT8	0.03445	0.30109	0.867	0.83	1	HC_vs_MS.NoTrt_F
EIF4E2	0.03449	-0.293	0.393	0.47	1	HC_vs_MS.NoTrt_F
MINA	0.03455	0.5129	0.127	0.2	1	HC_vs_MS.NoTrt_F
KYAT1	0.03464	-0.259	0.173	0.25	1	HC_vs_MS.NoTrt_F
ZNF333	0.03466	0.73961	0.942	0.94	1	HC_vs_MS.NoTrt_F
PIAS4	0.03485	0.57454	0.231	0.32	1	HC_vs_MS.NoTrt_F
TP63	0.03486	0.32298	0.465	0.57	1	HC_vs_MS.NoTrt_F
STX8	0.03486	0.53668	0.884	0.87	1	HC_vs_MS.NoTrt_F
IGSF9	0.03487	-0.3181	0.344	0.41	1	HC_vs_MS.NoTrt_F
ZDHHC14	0.03493	0.56253	0.338	0.44	1	HC_vs_MS.NoTrt_F
ZNF428	0.03495	-0.2599	0.234	0.32	1	HC_vs_MS.NoTrt_F
CCDC82	0.03504	0.62292	0.194	0.28	1	HC_vs_MS.NoTrt_F
HSF5	0.03507	0.47012	0.098	0.16	1	HC_vs_MS.NoTrt_F
CREBBP	0.03518	0.5893	0.59	0.66	1	HC_vs_MS.NoTrt_F
RNF125	0.03524	0.3778	0.951	0.95	1	HC_vs_MS.NoTrt_F
LHPP	0.03524	0.52188	0.15	0.23	1	HC_vs_MS.NoTrt_F
GRHPR	0.03525	-0.6422	0.549	0.6	1	HC_vs_MS.NoTrt_F
ZDHHC16	0.03541	-0.5693	0.118	0.18	1	HC_vs_MS.NoTrt_F
CYB5D2	0.03564	0.31185	0.431	0.53	1	HC_vs_MS.NoTrt_F
PPP1R3E	0.03565	0.41893	0.246	0.33	1	HC_vs_MS.NoTrt_F
CCDC170	0.03568	0.29263	0.506	0.4	1	HC_vs_MS.NoTrt_F
SLFN12	0.03568	0.61289	0.078	0.14	1	HC_vs_MS.NoTrt_F
N4BP1	0.03573	0.25897	0.168	0.25	1	HC_vs_MS.NoTrt_F
FPR2	0.03577	-0.3385	0.546	0.43	1	HC_vs_MS.NoTrt_F
ZNF287	0.03587	0.48535	0.517	0.44	1	HC_vs_MS.NoTrt_F
PLSCR1	0.03593	0.26069	0.058	0.11	1	HC_vs_MS.NoTrt_F
C10orf10	0.036	1.73517	0.107	0.06	1	HC_vs_MS.NoTrt_F
PPIF	0.03611	-0.5693	0.116	0.18	1	HC_vs_MS.NoTrt_F
EXO1	0.03616	0.37791	0.197	0.28	1	HC_vs_MS.NoTrt_F

ZNF445	0.03627	0.36001	0.988	0.98	1	HC_vs_MS.NoTrt_F
ADGRE2	0.03637	0.7809	0.855	0.86	1	HC_vs_MS.NoTrt_F
SCRG1	0.03641	0.33203	0.806	0.75	1	HC_vs_MS.NoTrt_F
SORL1	0.0365	-0.2954	0.723	0.77	1	HC_vs_MS.NoTrt_F
CDH15	0.03655	0.25505	0.535	0.44	1	HC_vs_MS.NoTrt_F
TRIM11	0.03663	-1.0853	0.604	0.64	1	HC_vs_MS.NoTrt_F
BLVRA	0.03665	0.47324	0.156	0.23	1	HC_vs_MS.NoTrt_F
RAC1	0.03674	0.68899	0.182	0.27	1	HC_vs_MS.NoTrt_F
MT-ATP8	0.03679	0.4555	0.783	0.8	1	HC_vs_MS.NoTrt_F
DNAH1	0.03681	0.32148	0.211	0.3	1	HC_vs_MS.NoTrt_F
TET1	0.03684	0.44603	0.095	0.16	1	HC_vs_MS.NoTrt_F
NT5DC1	0.03689	0.4443	0.223	0.3	1	HC_vs_MS.NoTrt_F
LEMD2	0.03699	0.59781	0.118	0.19	1	HC_vs_MS.NoTrt_F
NUP153	0.037	0.27634	0.249	0.34	1	HC_vs_MS.NoTrt_F
CHRNA1	0.03717	0.78097	0.659	0.6	1	HC_vs_MS.NoTrt_F
PSEN2	0.03719	-1.0237	0.15	0.23	1	HC_vs_MS.NoTrt_F
CD151	0.03721	0.37281	0.942	0.92	1	HC_vs_MS.NoTrt_F
ALKBH6	0.03725	-0.5775	0.538	0.6	1	HC_vs_MS.NoTrt_F
TK2	0.0373	0.77038	0.168	0.24	1	HC_vs_MS.NoTrt_F
ITPK1	0.03734	-0.4934	0.673	0.58	1	HC_vs_MS.NoTrt_F
NRIP2	0.03737	-0.474	0.335	0.4	1	HC_vs_MS.NoTrt_F
ZNF514	0.03743	-0.5481	0.642	0.69	1	HC_vs_MS.NoTrt_F
C1orf123	0.03761	-0.4288	0.22	0.29	1	HC_vs_MS.NoTrt_F
SLC4A2	0.03761	0.33055	0.09	0.16	1	HC_vs_MS.NoTrt_F
ADAM32	0.03765	0.32103	0.896	0.93	1	HC_vs_MS.NoTrt_F
TNRC18	0.03767	0.672	0.847	0.81	1	HC_vs_MS.NoTrt_F
ADTRP	0.03768	-0.7724	0.37	0.43	1	HC_vs_MS.NoTrt_F
ZNF496	0.03779	0.80959	0.769	0.74	1	HC_vs_MS.NoTrt_F
DBNDD2	0.03783	0.28011	0.066	0.12	1	HC_vs_MS.NoTrt_F
C2CD5	0.0379	-0.2929	0.211	0.29	1	HC_vs_MS.NoTrt_F
NAALADL2	0.03799	0.27534	0.092	0.16	1	HC_vs_MS.NoTrt_F
VIL1	0.03812	0.62297	0.217	0.29	1	HC_vs_MS.NoTrt_F
TRMT5	0.03819	-1.3333	0.165	0.23	1	HC_vs_MS.NoTrt_F
TCP11L1	0.03823	-0.3457	0.199	0.28	1	HC_vs_MS.NoTrt_F
MAGEH1	0.0383	0.48735	0.11	0.18	1	HC_vs_MS.NoTrt_F
TSPAN32	0.03831	0.40431	0.251	0.36	1	HC_vs_MS.NoTrt_F
EHMT2	0.03842	-0.4708	0.699	0.77	1	HC_vs_MS.NoTrt_F
RBM15	0.03853	0.60324	0.078	0.14	1	HC_vs_MS.NoTrt_F
RAB3D	0.03862	-0.6986	0.673	0.72	1	HC_vs_MS.NoTrt_F
LRPPRC	0.03871	-0.5625	0.532	0.58	1	HC_vs_MS.NoTrt_F

PPP2R5A	0.03892	-1.2995	0.237	0.3	1	HC_vs_MS.NoTrt_F
CAMSAP1	0.03895	0.35301	0.104	0.17	1	HC_vs_MS.NoTrt_F
CEBPZ	0.039	-0.6783	0.246	0.33	1	HC_vs_MS.NoTrt_F
KTN1	0.03905	-0.4239	0.604	0.71	1	HC_vs_MS.NoTrt_F
MAPK6	0.03909	-0.3295	0.54	0.59	1	HC_vs_MS.NoTrt_F
CARD11	0.03909	0.62512	0.202	0.29	1	HC_vs_MS.NoTrt_F
ZNF134	0.03909	-0.3203	0.194	0.27	1	HC_vs_MS.NoTrt_F
BCAT1	0.03914	0.31663	0.483	0.55	1	HC_vs_MS.NoTrt_F
LRIF1	0.03916	0.3134	0.121	0.19	1	HC_vs_MS.NoTrt_F
FEM1C	0.03917	-0.5817	0.147	0.22	1	HC_vs_MS.NoTrt_F
LPIN2	0.03937	0.31711	0.211	0.3	1	HC_vs_MS.NoTrt_F
GIMAP2	0.0394	-0.4055	0.887	0.91	1	HC_vs_MS.NoTrt_F
BRPF3	0.03947	1.73573	0.066	0.12	1	HC_vs_MS.NoTrt_F
ABCB10	0.03949	-0.702	0.101	0.16	1	HC_vs_MS.NoTrt_F
CWC27	0.03958	0.565	0.168	0.24	1	HC_vs_MS.NoTrt_F
NRM	0.03959	0.52682	0.058	0.11	1	HC_vs_MS.NoTrt_F
UBASH3B	0.03959	-0.3865	0.439	0.51	1	HC_vs_MS.NoTrt_F
SULT1A1	0.03967	0.29405	0.618	0.69	1	HC_vs_MS.NoTrt_F
MACC1	0.0397	0.51734	0.786	0.69	1	HC_vs_MS.NoTrt_F
SUPT16H	0.03973	-0.4977	0.731	0.77	1	HC_vs_MS.NoTrt_F
LRRC59	0.03993	0.29972	0.176	0.26	1	HC_vs_MS.NoTrt_F
FBXO8	0.04006	1.13892	0.101	0.17	1	HC_vs_MS.NoTrt_F
HIST1H1D	0.04035	0.82844	0.095	0.16	1	HC_vs_MS.NoTrt_F
DPM2	0.04037	-0.6307	0.13	0.19	1	HC_vs_MS.NoTrt_F
SIGIRR	0.04041	0.39281	0.358	0.48	1	HC_vs_MS.NoTrt_F
TNFAIP1	0.04046	0.25488	0.113	0.18	1	HC_vs_MS.NoTrt_F
KLHL28	0.04058	-0.3949	0.382	0.43	1	HC_vs_MS.NoTrt_F
LRRC14	0.0406	0.96104	0.121	0.19	1	HC_vs_MS.NoTrt_F
BTRC	0.04061	0.37371	0.113	0.18	1	HC_vs_MS.NoTrt_F
BAG1	0.04063	0.27057	0.954	0.97	1	HC_vs_MS.NoTrt_F
APOE	0.04064	0.34319	0.792	0.81	1	HC_vs_MS.NoTrt_F
AFMID	0.04065	0.30815	0.957	0.95	1	HC_vs_MS.NoTrt_F
ZNF674	0.04085	0.59741	0.948	0.92	1	HC_vs_MS.NoTrt_F
TINF2	0.04093	-0.3554	0.818	0.88	1	HC_vs_MS.NoTrt_F
BATF	0.04104	0.36924	0.24	0.34	1	HC_vs_MS.NoTrt_F
TRA2A	0.04104	-0.3029	0.772	0.81	1	HC_vs_MS.NoTrt_F
FLYWCH2	0.04106	0.50321	0.107	0.17	1	HC_vs_MS.NoTrt_F
NAPRT	0.04108	0.50815	0.214	0.3	1	HC_vs_MS.NoTrt_F
GRK4	0.04118	0.27449	0.653	0.54	1	HC_vs_MS.NoTrt_F
PRIM1	0.04122	0.39064	0.176	0.25	1	HC_vs_MS.NoTrt_F

CHST7	0.0413	0.74884	0.092	0.16	1	HC_vs_MS.NoTrt_F
SEC61A2	0.0413	0.32324	0.113	0.18	1	HC_vs_MS.NoTrt_F
CSTF2T	0.04137	-0.3111	0.13	0.2	1	HC_vs_MS.NoTrt_F
TASP1	0.0415	-0.2868	0.15	0.22	1	HC_vs_MS.NoTrt_F
SELP	0.04152	1.42467	0.095	0.16	1	HC_vs_MS.NoTrt_F
KSR1	0.04154	1.17404	0.28	0.38	1	HC_vs_MS.NoTrt_F
PCBP4	0.04156	0.43583	0.113	0.18	1	HC_vs_MS.NoTrt_F
RCCD1	0.04173	-0.7161	0.202	0.27	1	HC_vs_MS.NoTrt_F
IMMP2L	0.04174	-0.3838	0.127	0.19	1	HC_vs_MS.NoTrt_F
DYRK2	0.04178	0.4482	0.173	0.25	1	HC_vs_MS.NoTrt_F
FER1L5	0.04179	0.35689	0.824	0.83	1	HC_vs_MS.NoTrt_F
SERPINB8	0.04193	-0.9651	0.064	0.12	1	HC_vs_MS.NoTrt_F
MST1	0.042	0.26307	0.055	0.11	1	HC_vs_MS.NoTrt_F
TMTC2	0.04207	0.49028	0.095	0.16	1	HC_vs_MS.NoTrt_F
SCFD1	0.0421	0.65266	0.798	0.76	1	HC_vs_MS.NoTrt_F
TNF	0.0421	0.54519	0.156	0.23	1	HC_vs_MS.NoTrt_F
HDAC8	0.04236	0.85705	0.243	0.34	1	HC_vs_MS.NoTrt_F
USPL1	0.04246	0.41323	0.142	0.21	1	HC_vs_MS.NoTrt_F
SLC35E2B	0.04255	0.54689	0.616	0.69	1	HC_vs_MS.NoTrt_F
SNX8	0.04278	-1.1827	0.15	0.22	1	HC_vs_MS.NoTrt_F
KLHL33	0.04283	0.59024	0.59	0.49	1	HC_vs_MS.NoTrt_F
HBA2	0.04286	-2.932	0.055	0.11	1	HC_vs_MS.NoTrt_F
VPS13D	0.04287	-0.4918	0.344	0.41	1	HC_vs_MS.NoTrt_F
CTDP1	0.04293	1.49232	0.078	0.14	1	HC_vs_MS.NoTrt_F
GATA3	0.04305	0.27648	0.355	0.46	1	HC_vs_MS.NoTrt_F
STAT4	0.04305	0.88156	0.439	0.39	1	HC_vs_MS.NoTrt_F
CLIC2	0.04311	-0.2937	0.448	0.53	1	HC_vs_MS.NoTrt_F
UNG	0.04315	-0.6189	0.24	0.32	1	HC_vs_MS.NoTrt_F
CBFB	0.04315	0.76214	0.182	0.26	1	HC_vs_MS.NoTrt_F
RAB43	0.04322	1.05731	0.228	0.31	1	HC_vs_MS.NoTrt_F
MTSS1	0.04326	1.31712	0.708	0.67	1	HC_vs_MS.NoTrt_F
SMARCD1	0.04334	0.48282	0.139	0.21	1	HC_vs_MS.NoTrt_F
RNF26	0.04341	0.47558	0.127	0.19	1	HC_vs_MS.NoTrt_F
AHNAK	0.04345	0.43548	0.89	0.9	1	HC_vs_MS.NoTrt_F
MROH7	0.04349	0.28847	0.613	0.53	1	HC_vs_MS.NoTrt_F
WDR5	0.04354	0.32609	0.139	0.21	1	HC_vs_MS.NoTrt_F
SAP130	0.04375	0.33159	0.194	0.28	1	HC_vs_MS.NoTrt_F
MOGS	0.04376	0.29598	0.121	0.19	1	HC_vs_MS.NoTrt_F
GREB1	0.04379	0.35042	0.85	0.82	1	HC_vs_MS.NoTrt_F
CCNJ	0.04383	0.41305	0.075	0.13	1	HC_vs_MS.NoTrt_F

LYG2	0.04401	0.64167	0.075	0.13	1	HC_vs_MS.NoTrt_F
NMI	0.04402	-0.6038	0.309	0.38	1	HC_vs_MS.NoTrt_F
ME2	0.04416	0.39321	0.939	0.92	1	HC_vs_MS.NoTrt_F
SLC8B1	0.04426	-0.4027	0.538	0.59	1	HC_vs_MS.NoTrt_F
PHKA2	0.04429	0.33791	0.734	0.82	1	HC_vs_MS.NoTrt_F
RBM45	0.04432	0.91995	0.095	0.16	1	HC_vs_MS.NoTrt_F
CHD6	0.04436	-0.3353	0.251	0.33	1	HC_vs_MS.NoTrt_F
HAUS8	0.04441	-0.3656	0.751	0.79	1	HC_vs_MS.NoTrt_F
ADCY2	0.04452	0.26884	0.815	0.8	1	HC_vs_MS.NoTrt_F
CHN1	0.04456	0.3436	0.072	0.13	1	HC_vs_MS.NoTrt_F
GPR63	0.04456	-0.28	0.39	0.47	1	HC_vs_MS.NoTrt_F
NEO1	0.04466	0.30946	0.266	0.36	1	HC_vs_MS.NoTrt_F
MBIP	0.04476	0.88785	0.098	0.16	1	HC_vs_MS.NoTrt_F
SYNGAP1	0.04476	0.42414	0.185	0.27	1	HC_vs_MS.NoTrt_F
CXorf40A	0.04485	0.25419	0.188	0.27	1	HC_vs_MS.NoTrt_F
HGSNAT	0.04492	0.85697	0.772	0.73	1	HC_vs_MS.NoTrt_F
KIRREL3	0.04493	0.33166	0.618	0.55	1	HC_vs_MS.NoTrt_F
MCTP2	0.04494	0.88734	0.564	0.46	1	HC_vs_MS.NoTrt_F
IFI27L2	0.04495	-0.4843	0.251	0.32	1	HC_vs_MS.NoTrt_F
PIGM	0.04499	0.76237	0.679	0.59	1	HC_vs_MS.NoTrt_F
GLRX5	0.04499	-0.6591	0.101	0.16	1	HC_vs_MS.NoTrt_F
STX5	0.04503	0.74289	0.159	0.23	1	HC_vs_MS.NoTrt_F
XRCC4	0.04505	1.22598	0.084	0.14	1	HC_vs_MS.NoTrt_F
TBCC	0.04506	-0.2565	0.341	0.42	1	HC_vs_MS.NoTrt_F
ZNF827	0.04508	1.10126	0.055	0.11	1	HC_vs_MS.NoTrt_F
ZNF365	0.04528	-0.557	0.35	0.46	1	HC_vs_MS.NoTrt_F
TRAK2	0.04529	-0.3333	0.223	0.29	1	HC_vs_MS.NoTrt_F
BLOC1S1	0.0453	0.25113	0.254	0.35	1	HC_vs_MS.NoTrt_F
OXSM	0.04534	-0.8924	0.153	0.22	1	HC_vs_MS.NoTrt_F
NWD1	0.04537	-0.3588	0.627	0.53	1	HC_vs_MS.NoTrt_F
RAP1GDS1	0.04554	0.34918	0.379	0.5	1	HC_vs_MS.NoTrt_F
ALG2	0.04573	0.30205	0.11	0.17	1	HC_vs_MS.NoTrt_F
MBD4	0.04586	-0.2605	0.263	0.33	1	HC_vs_MS.NoTrt_F
STAU2	0.04608	-0.4027	0.656	0.71	1	HC_vs_MS.NoTrt_F
LYL1	0.04615	0.26091	0.486	0.57	1	HC_vs_MS.NoTrt_F
TRMT44	0.04632	-0.3068	0.28	0.37	1	HC_vs_MS.NoTrt_F
TSPAN5	0.0464	-0.3805	0.645	0.67	1	HC_vs_MS.NoTrt_F
PCCB	0.04647	0.78131	0.679	0.66	1	HC_vs_MS.NoTrt_F
CD81	0.04652	1.35189	0.055	0.11	1	HC_vs_MS.NoTrt_F
PELP1	0.04657	0.66775	0.277	0.36	1	HC_vs_MS.NoTrt_F

KANSL2	0.04665	0.52591	0.188	0.27	1	HC_vs_MS.NoTrt_F
PPP3R1	0.04666	-0.6413	0.173	0.24	1	HC_vs_MS.NoTrt_F
HACD1	0.04681	-0.6411	0.636	0.71	1	HC_vs_MS.NoTrt_F
FASTKD1	0.04689	-0.3815	0.306	0.39	1	HC_vs_MS.NoTrt_F
ZNF747	0.04693	0.30458	0.751	0.66	1	HC_vs_MS.NoTrt_F
FBXO48	0.04706	-0.5914	0.694	0.8	1	HC_vs_MS.NoTrt_F
GATAD2B	0.04709	0.36442	0.5	0.65	1	HC_vs_MS.NoTrt_F
TFIP11	0.04709	-1.0429	0.549	0.61	1	HC_vs_MS.NoTrt_F
CTBS	0.04717	0.39761	0.147	0.22	1	HC_vs_MS.NoTrt_F
PLIN5	0.04733	0.3001	0.864	0.8	1	HC_vs_MS.NoTrt_F
CD8A	0.04738	1.65464	0.081	0.14	1	HC_vs_MS.NoTrt_F
IGFLR1	0.0474	0.51971	0.578	0.71	1	HC_vs_MS.NoTrt_F
GP1BA	0.04751	0.92711	0.055	0.11	1	HC_vs_MS.NoTrt_F
VPS4B	0.04757	-0.2847	0.803	0.8	1	HC_vs_MS.NoTrt_F
MYSM1	0.04758	0.31333	0.269	0.35	1	HC_vs_MS.NoTrt_F
DPH2	0.04768	0.67388	0.098	0.16	1	HC_vs_MS.NoTrt_F
ZNF41	0.0477	1.30716	0.055	0.11	1	HC_vs_MS.NoTrt_F
LTB4R	0.04774	-0.3779	0.376	0.45	1	HC_vs_MS.NoTrt_F
PCNX3	0.0478	0.76669	0.159	0.23	1	HC_vs_MS.NoTrt_F
GFRAL	0.04809	0.32603	0.465	0.39	1	HC_vs_MS.NoTrt_F
UQCRC1	0.04826	0.29227	0.263	0.37	1	HC_vs_MS.NoTrt_F
N6AMT1	0.04827	-0.5673	0.159	0.23	1	HC_vs_MS.NoTrt_F
NEMP2	0.04842	0.28917	0.118	0.18	1	HC_vs_MS.NoTrt_F
SCOC	0.04844	0.25063	0.127	0.19	1	HC_vs_MS.NoTrt_F
ATL3	0.04858	-0.5557	0.838	0.87	1	HC_vs_MS.NoTrt_F
C17orf51	0.04862	-0.5251	0.408	0.48	1	HC_vs_MS.NoTrt_F
ZNF22	0.04863	0.51073	0.118	0.18	1	HC_vs_MS.NoTrt_F
SYNE1	0.04878	0.41482	0.965	0.96	1	HC_vs_MS.NoTrt_F
LMLN	0.0488	-1.363	0.419	0.5	1	HC_vs_MS.NoTrt_F
YTHDC1	0.04881	-0.2732	0.512	0.6	1	HC_vs_MS.NoTrt_F
SPACA6	0.04898	0.28832	0.893	0.91	1	HC_vs_MS.NoTrt_F
NAIP	0.04908	-0.4847	0.743	0.76	1	HC_vs_MS.NoTrt_F
FAM234A	0.0491	0.28628	0.272	0.36	1	HC_vs_MS.NoTrt_F
ACVR2A	0.04911	-0.4794	0.315	0.4	1	HC_vs_MS.NoTrt_F
MCU	0.04917	0.47329	0.257	0.35	1	HC_vs_MS.NoTrt_F
MRPS9	0.04922	0.30224	0.168	0.24	1	HC_vs_MS.NoTrt_F
PLRG1	0.04939	0.3074	0.145	0.22	1	HC_vs_MS.NoTrt_F
GRIN2B	0.04939	0.48207	0.237	0.32	1	HC_vs_MS.NoTrt_F
CCDC25	0.04946	-0.2976	0.286	0.37	1	HC_vs_MS.NoTrt_F
SS18	0.0495	-0.3058	0.647	0.7	1	HC_vs_MS.NoTrt_F

UBE2E3	0.04966	0.98848	0.072	0.13	1	HC_vs_MS.NoTrt_F
NOB1	0.04972	-0.4109	0.199	0.27	1	HC_vs_MS.NoTrt_F
NEK8	0.04979	-0.8507	0.621	0.67	1	HC_vs_MS.NoTrt_F
ISOC2	0.04993	1.28075	0.072	0.13	1	HC_vs_MS.NoTrt_F
AL109923.1	0.04994	0.36862	0.09	0.15	1	HC_vs_MS.NoTrt_F
S100B	0.05011	0.61637	0.153	0.23	1	HC_vs_MS.NoTrt_F
TNS1	0.05016	0.972	0.39	0.31	1	HC_vs_MS.NoTrt_F
NEIL2	0.05019	0.61478	0.124	0.19	1	HC_vs_MS.NoTrt_F
SMG1	0.05024	0.33578	0.986	0.98	1	HC_vs_MS.NoTrt_F
SH3BP1	0.05041	-0.3777	0.156	0.23	1	HC_vs_MS.NoTrt_F
NSFL1C	0.05042	0.30006	0.173	0.25	1	HC_vs_MS.NoTrt_F
SF3B4	0.05046	-0.4734	0.243	0.32	1	HC_vs_MS.NoTrt_F
CNNM2	0.05053	1.86139	0.341	0.43	1	HC_vs_MS.NoTrt_F
ERF	0.05065	0.99212	0.11	0.18	1	HC_vs_MS.NoTrt_F
MFSD14C	0.05069	0.30099	0.746	0.73	1	HC_vs_MS.NoTrt_F
STMND1	0.05076	0.25786	0.867	0.83	1	HC_vs_MS.NoTrt_F
PRKACA	0.05085	-0.3647	0.249	0.33	1	HC_vs_MS.NoTrt_F
EPN3	0.05094	0.35034	0.081	0.14	1	HC_vs_MS.NoTrt_F
ZNF569	0.05096	0.52441	0.228	0.3	1	HC_vs_MS.NoTrt_F
AFF3	0.05099	0.75563	0.806	0.74	1	HC_vs_MS.NoTrt_F
WDR5B	0.05102	-0.7684	0.24	0.3	1	HC_vs_MS.NoTrt_F
CAPN15	0.05112	0.9615	0.205	0.29	1	HC_vs_MS.NoTrt_F
TRIP12	0.05118	-0.3096	0.543	0.6	1	HC_vs_MS.NoTrt_F
ATMIN	0.05124	-0.3348	0.28	0.35	1	HC_vs_MS.NoTrt_F
GEMIN8	0.05125	0.32013	0.078	0.13	1	HC_vs_MS.NoTrt_F
RANBP9	0.0513	0.37249	0.266	0.37	1	HC_vs_MS.NoTrt_F
CABYR	0.05135	0.44016	0.584	0.51	1	HC_vs_MS.NoTrt_F
HLA-DMB	0.05136	0.33319	0.107	0.17	1	HC_vs_MS.NoTrt_F
BAG3	0.05144	0.49279	0.118	0.19	1	HC_vs_MS.NoTrt_F
ESD	0.05154	0.31245	0.191	0.27	1	HC_vs_MS.NoTrt_F
STARD9	0.05161	0.61589	0.931	0.91	1	HC_vs_MS.NoTrt_F
OCLN	0.05175	0.5049	0.812	0.82	1	HC_vs_MS.NoTrt_F
ZNF770	0.05203	-0.529	0.35	0.41	1	HC_vs_MS.NoTrt_F
AMOTL1	0.05204	-0.9341	0.075	0.13	1	HC_vs_MS.NoTrt_F
ZNF181	0.0521	-1.4208	0.194	0.27	1	HC_vs_MS.NoTrt_F
DCTN3	0.0522	-0.2943	0.402	0.49	1	HC_vs_MS.NoTrt_F
RCAN1	0.05238	0.65579	0.39	0.48	1	HC_vs_MS.NoTrt_F
ADCY3	0.05242	0.31732	0.11	0.17	1	HC_vs_MS.NoTrt_F
HAUS7	0.05244	-0.9888	0.147	0.21	1	HC_vs_MS.NoTrt_F
GSG1	0.05266	0.54104	0.627	0.59	1	HC_vs_MS.NoTrt_F



RNF213	0.05266	0.26904	0.994	0.99	1	HC_vs_MS.NoTrt_F
UNC45B	0.05299	-0.7097	0.142	0.21	1	HC_vs_MS.NoTrt_F
NCOR2	0.0531	1.20536	0.552	0.5	1	HC_vs_MS.NoTrt_F
TRAK1	0.05313	0.40952	0.136	0.19	1	HC_vs_MS.NoTrt_F
SLC13A4	0.05337	0.55235	0.373	0.46	1	HC_vs_MS.NoTrt_F
CLASP1	0.05357	0.43383	0.312	0.4	1	HC_vs_MS.NoTrt_F
PRAF2	0.0536	0.51614	0.136	0.2	1	HC_vs_MS.NoTrt_F
AEN	0.05363	0.89404	0.153	0.23	1	HC_vs_MS.NoTrt_F
PIP5KL1	0.05371	0.40795	0.503	0.58	1	HC_vs_MS.NoTrt_F
CGNL1	0.05383	-0.5894	0.347	0.41	1	HC_vs_MS.NoTrt_F
PAXBP1	0.05384	-0.5848	0.223	0.29	1	HC_vs_MS.NoTrt_F
C4BPA	0.05384	-0.3165	0.361	0.45	1	HC_vs_MS.NoTrt_F
SHPRH	0.05385	-0.3894	0.751	0.77	1	HC_vs_MS.NoTrt_F
ZNF254	0.05389	-0.4182	0.416	0.48	1	HC_vs_MS.NoTrt_F
GIN1	0.05399	-0.582	0.379	0.46	1	HC_vs_MS.NoTrt_F
XRCC1	0.05408	0.48151	0.228	0.31	1	HC_vs_MS.NoTrt_F
ZNF195	0.0541	0.54142	0.621	0.67	1	HC_vs_MS.NoTrt_F
PFAS	0.05428	-0.5493	0.662	0.58	1	HC_vs_MS.NoTrt_F
GPX1	0.05428	0.35926	0.205	0.29	1	HC_vs_MS.NoTrt_F
LSM2	0.05428	0.256	0.197	0.28	1	HC_vs_MS.NoTrt_F
ZC4H2	0.05437	1.06374	0.107	0.17	1	HC_vs_MS.NoTrt_F
SLC11A1	0.05445	0.30653	0.954	0.93	1	HC_vs_MS.NoTrt_F
WDR48	0.05459	-0.3809	0.211	0.28	1	HC_vs_MS.NoTrt_F
MIS18BP1	0.0546	-0.9071	0.679	0.71	1	HC_vs_MS.NoTrt_F
FASTK	0.05461	0.422	0.188	0.27	1	HC_vs_MS.NoTrt_F
UQCR10	0.05462	0.30309	0.364	0.48	1	HC_vs_MS.NoTrt_F
TAB1	0.05465	0.28221	0.121	0.18	1	HC_vs_MS.NoTrt_F
INPPL1	0.05476	0.8225	0.121	0.19	1	HC_vs_MS.NoTrt_F
TOM1	0.05487	0.28151	0.335	0.43	1	HC_vs_MS.NoTrt_F
TMUB1	0.0549	0.53994	0.139	0.21	1	HC_vs_MS.NoTrt_F
CDC34	0.05495	0.54298	0.061	0.11	1	HC_vs_MS.NoTrt_F
BACH1	0.05499	-0.378	0.303	0.39	1	HC_vs_MS.NoTrt_F
OSTM1	0.05501	-0.8822	0.795	0.85	1	HC_vs_MS.NoTrt_F
TRMT1	0.05516	0.26964	0.162	0.23	1	HC_vs_MS.NoTrt_F
SNAP29	0.05521	-0.5893	0.72	0.77	1	HC_vs_MS.NoTrt_F
PSMA2	0.05533	0.34976	0.595	0.66	1	HC_vs_MS.NoTrt_F
PARP15	0.05538	0.53411	0.942	0.93	1	HC_vs_MS.NoTrt_F
ASB7	0.05549	0.76987	0.11	0.17	1	HC_vs_MS.NoTrt_F
NR1H3	0.0555	1.82807	0.15	0.22	1	HC_vs_MS.NoTrt_F
CASS4	0.05572	0.68571	0.566	0.49	1	HC_vs_MS.NoTrt_F

NSG1	0.05581	-0.2653	0.668	0.74	1	HC_vs_MS.NoTrt_F
RP11-701H2	0.05584	-0.4837	0.136	0.19	1	HC_vs_MS.NoTrt_F
C16orf54	0.0559	0.2529	0.737	0.87	1	HC_vs_MS.NoTrt_F
EPHA1	0.05591	0.44058	0.39	0.48	1	HC_vs_MS.NoTrt_F
CASP7	0.05595	-0.567	0.191	0.26	1	HC_vs_MS.NoTrt_F
APOPT1	0.05605	0.26966	0.931	0.9	1	HC_vs_MS.NoTrt_F
TRPS1	0.05621	0.3587	0.127	0.19	1	HC_vs_MS.NoTrt_F
TDRD1	0.05623	0.70821	0.225	0.3	1	HC_vs_MS.NoTrt_F
SORBS3	0.05623	1.06598	0.078	0.13	1	HC_vs_MS.NoTrt_F
PNKP	0.05624	0.8187	0.327	0.41	1	HC_vs_MS.NoTrt_F
ZNF571	0.0563	-0.6923	0.434	0.54	1	HC_vs_MS.NoTrt_F
KIAA1143	0.05638	-0.6561	0.523	0.61	1	HC_vs_MS.NoTrt_F
ATG101	0.05646	-0.4185	0.113	0.17	1	HC_vs_MS.NoTrt_F
SLC25A6	0.05661	0.26453	0.523	0.7	1	HC_vs_MS.NoTrt_F
STRBP	0.05665	-0.5709	0.65	0.72	1	HC_vs_MS.NoTrt_F
NCAPG2	0.05669	1.04254	0.202	0.28	1	HC_vs_MS.NoTrt_F
AP1AR	0.05675	0.32588	0.107	0.17	1	HC_vs_MS.NoTrt_F
SMC4	0.05694	-0.3944	0.483	0.55	1	HC_vs_MS.NoTrt_F
SH2D2A	0.057	1.08367	0.488	0.47	1	HC_vs_MS.NoTrt_F
SGSM1	0.057	-0.3033	0.543	0.58	1	HC_vs_MS.NoTrt_F
ERO1B	0.05702	0.61603	0.133	0.2	1	HC_vs_MS.NoTrt_F
ETS1	0.05708	-0.3027	0.986	0.98	1	HC_vs_MS.NoTrt_F
ARHGEF2	0.05709	0.48022	0.275	0.35	1	HC_vs_MS.NoTrt_F
CRADD	0.05714	0.57948	0.107	0.17	1	HC_vs_MS.NoTrt_F
YY1	0.05718	0.39838	0.35	0.43	1	HC_vs_MS.NoTrt_F
TMEM185A	0.05721	0.26761	0.587	0.48	1	HC_vs_MS.NoTrt_F
HIST1H3E	0.05733	-0.6568	0.136	0.2	1	HC_vs_MS.NoTrt_F
UBL3	0.05737	0.30621	0.197	0.27	1	HC_vs_MS.NoTrt_F
AHCY	0.05737	0.49948	0.098	0.16	1	HC_vs_MS.NoTrt_F
IDI1	0.05747	0.25691	0.243	0.33	1	HC_vs_MS.NoTrt_F
RBM10	0.05762	0.29276	0.205	0.28	1	HC_vs_MS.NoTrt_F
SNAPC1	0.05762	-0.3628	0.705	0.82	1	HC_vs_MS.NoTrt_F
NOL10	0.05769	-0.4085	0.202	0.27	1	HC_vs_MS.NoTrt_F
KIAA1210	0.05773	-0.2657	0.275	0.34	1	HC_vs_MS.NoTrt_F
CLIP4	0.05774	-0.336	0.162	0.23	1	HC_vs_MS.NoTrt_F
SMAGP	0.05776	-0.4584	0.636	0.72	1	HC_vs_MS.NoTrt_F
GSDMB	0.0578	0.52789	0.908	0.91	1	HC_vs_MS.NoTrt_F
TMEM5	0.05786	0.91697	0.523	0.6	1	HC_vs_MS.NoTrt_F
RBPM5	0.05789	1.81681	0.199	0.14	1	HC_vs_MS.NoTrt_F
LIAS	0.0579	-0.4368	0.133	0.19	1	HC_vs_MS.NoTrt_F

INTS10	0.05797	-0.5481	0.613	0.69	1	HC_vs_MS.NoTrt_F
FAM162A	0.05798	-0.3513	0.439	0.5	1	HC_vs_MS.NoTrt_F
CNOT10	0.05805	0.42898	0.936	0.92	1	HC_vs_MS.NoTrt_F
CCDC34	0.05806	0.36492	0.118	0.18	1	HC_vs_MS.NoTrt_F
UTS2	0.0581	0.32894	0.124	0.19	1	HC_vs_MS.NoTrt_F
COQ9	0.0582	0.2692	0.113	0.17	1	HC_vs_MS.NoTrt_F
FUNDC2	0.05821	-0.3399	0.561	0.62	1	HC_vs_MS.NoTrt_F
STK25	0.05823	-0.97	0.76	0.78	1	HC_vs_MS.NoTrt_F
TRMT2B	0.05839	-0.4771	0.731	0.81	1	HC_vs_MS.NoTrt_F
PHF19	0.05847	0.27591	0.191	0.27	1	HC_vs_MS.NoTrt_F
SNX22	0.05847	-0.3185	0.838	0.81	1	HC_vs_MS.NoTrt_F
NFIA	0.05849	0.90107	0.156	0.1	1	HC_vs_MS.NoTrt_F
TICAM1	0.05851	0.5537	0.095	0.16	1	HC_vs_MS.NoTrt_F
TSC1	0.05853	0.66732	0.48	0.56	1	HC_vs_MS.NoTrt_F
SNAPC2	0.05868	0.50908	0.087	0.14	1	HC_vs_MS.NoTrt_F
RNF144B	0.05879	0.37215	0.312	0.41	1	HC_vs_MS.NoTrt_F
AKAP10	0.05889	-0.2714	0.538	0.57	1	HC_vs_MS.NoTrt_F
PRR14	0.05892	0.58377	0.153	0.22	1	HC_vs_MS.NoTrt_F
ZSCAN22	0.05895	-1.0739	0.48	0.57	1	HC_vs_MS.NoTrt_F
ACADM	0.05901	0.35487	0.231	0.32	1	HC_vs_MS.NoTrt_F
VPS41	0.05903	-0.2974	0.517	0.58	1	HC_vs_MS.NoTrt_F
TRIP13	0.05905	0.32317	0.546	0.61	1	HC_vs_MS.NoTrt_F
FABP7	0.0591	-0.2698	0.197	0.26	1	HC_vs_MS.NoTrt_F
IFI44L	0.05914	1.07098	0.228	0.32	1	HC_vs_MS.NoTrt_F
PDXK	0.05931	1.08199	0.63	0.56	1	HC_vs_MS.NoTrt_F
FGF23	0.05932	0.69161	0.925	0.85	1	HC_vs_MS.NoTrt_F
STRN4	0.05935	1.03331	0.598	0.55	1	HC_vs_MS.NoTrt_F
ACTG2	0.05942	0.73351	0.277	0.35	1	HC_vs_MS.NoTrt_F
CYP4F8	0.05951	0.26835	0.847	0.8	1	HC_vs_MS.NoTrt_F
RUNDC3A	0.05954	0.41021	0.564	0.51	1	HC_vs_MS.NoTrt_F
PCID2	0.05959	-0.3563	0.361	0.43	1	HC_vs_MS.NoTrt_F
LTN1	0.05972	0.67311	0.197	0.28	1	HC_vs_MS.NoTrt_F
MRPL39	0.05987	0.42767	0.159	0.23	1	HC_vs_MS.NoTrt_F
NOL7	0.05989	0.58888	0.257	0.36	1	HC_vs_MS.NoTrt_F
NUDT21	0.05991	-0.3772	0.725	0.8	1	HC_vs_MS.NoTrt_F
CD300LG	0.05998	0.812	0.523	0.46	1	HC_vs_MS.NoTrt_F
TWISTNB	0.06	-0.4766	0.136	0.2	1	HC_vs_MS.NoTrt_F
TATDN2	0.06002	0.25054	0.13	0.19	1	HC_vs_MS.NoTrt_F
PALB2	0.06004	-0.9604	0.254	0.32	1	HC_vs_MS.NoTrt_F
EIF5A2	0.06018	-0.4367	0.419	0.46	1	HC_vs_MS.NoTrt_F

CDC42BPB	0.06021	0.65315	0.081	0.13	1	HC_vs_MS.NoTrt_F
C16orf72	0.06022	0.529	0.887	0.85	1	HC_vs_MS.NoTrt_F
PARP6	0.06039	-0.2741	0.697	0.8	1	HC_vs_MS.NoTrt_F
SLC25A33	0.06049	0.65324	0.656	0.56	1	HC_vs_MS.NoTrt_F
DCAF16	0.06052	-0.4181	0.812	0.82	1	HC_vs_MS.NoTrt_F
RASL10B	0.06056	0.2625	0.977	0.98	1	HC_vs_MS.NoTrt_F
PLAC8	0.06058	0.82378	0.809	0.79	1	HC_vs_MS.NoTrt_F
RING1	0.06071	0.7473	0.104	0.17	1	HC_vs_MS.NoTrt_F
HSPD1	0.06076	0.2744	0.303	0.4	1	HC_vs_MS.NoTrt_F
DPPA4	0.06079	0.30316	0.864	0.84	1	HC_vs_MS.NoTrt_F
WAPL	0.06099	-0.5783	0.523	0.58	1	HC_vs_MS.NoTrt_F
COASY	0.0611	-0.3381	0.46	0.53	1	HC_vs_MS.NoTrt_F
SGTB	0.06125	-0.3105	0.694	0.74	1	HC_vs_MS.NoTrt_F
FANCL	0.06126	-0.7175	0.173	0.24	1	HC_vs_MS.NoTrt_F
AGAP4	0.06127	0.35417	0.254	0.34	1	HC_vs_MS.NoTrt_F
PDIA4	0.06148	1.51041	0.101	0.16	1	HC_vs_MS.NoTrt_F
RAB27A	0.06151	-0.282	0.673	0.77	1	HC_vs_MS.NoTrt_F
NDRG1	0.06158	0.62699	0.191	0.28	1	HC_vs_MS.NoTrt_F
TP53I13	0.0616	0.37031	0.179	0.25	1	HC_vs_MS.NoTrt_F
MVB12B	0.06162	0.26417	0.159	0.22	1	HC_vs_MS.NoTrt_F
SEC11C	0.0618	0.26061	0.434	0.51	1	HC_vs_MS.NoTrt_F
RP11-226E2	0.06187	0.36738	0.639	0.74	1	HC_vs_MS.NoTrt_F
COQ3	0.06192	0.89513	0.251	0.33	1	HC_vs_MS.NoTrt_F
AMMECR1	0.06198	-0.4534	0.159	0.23	1	HC_vs_MS.NoTrt_F
SLC22A23	0.06199	0.65292	0.101	0.16	1	HC_vs_MS.NoTrt_F
TAF10	0.06231	0.27176	0.133	0.2	1	HC_vs_MS.NoTrt_F
FAM104B	0.06232	0.4364	0.087	0.14	1	HC_vs_MS.NoTrt_F
THUMP2	0.06242	0.46025	0.41	0.5	1	HC_vs_MS.NoTrt_F
UGDH	0.06243	-0.7922	0.584	0.67	1	HC_vs_MS.NoTrt_F
CACNB3	0.06247	0.27501	0.633	0.7	1	HC_vs_MS.NoTrt_F
ETV3	0.06252	-0.2601	0.243	0.32	1	HC_vs_MS.NoTrt_F
EFHD2	0.06269	0.33797	0.182	0.26	1	HC_vs_MS.NoTrt_F
DEGS1	0.06283	-0.4483	0.841	0.88	1	HC_vs_MS.NoTrt_F
SERPINI1	0.06289	-0.4826	0.095	0.15	1	HC_vs_MS.NoTrt_F
PAG1	0.06305	-0.3882	0.757	0.8	1	HC_vs_MS.NoTrt_F
OPRM1	0.06306	0.30284	0.89	0.87	1	HC_vs_MS.NoTrt_F
TCF4	0.06309	0.70212	0.818	0.76	1	HC_vs_MS.NoTrt_F
MYO9A	0.06312	-0.3162	0.402	0.49	1	HC_vs_MS.NoTrt_F
MRPL46	0.06346	-0.5983	0.26	0.33	1	HC_vs_MS.NoTrt_F
NRF1	0.06346	-0.8899	0.358	0.44	1	HC_vs_MS.NoTrt_F

GHRL	0.06354	0.72689	0.107	0.17	1	HC_vs_MS.NoTrt_F
TBC1D20	0.06359	0.35481	0.694	0.61	1	HC_vs_MS.NoTrt_F
INIP	0.06367	-0.7128	0.757	0.81	1	HC_vs_MS.NoTrt_F
ERCC6	0.06372	-0.3497	0.275	0.34	1	HC_vs_MS.NoTrt_F
GALK1	0.06403	1.52264	0.402	0.33	1	HC_vs_MS.NoTrt_F
FAAP20	0.06406	0.29108	0.91	0.87	1	HC_vs_MS.NoTrt_F
NRAS	0.06417	0.6194	0.361	0.46	1	HC_vs_MS.NoTrt_F
FBRS	0.06424	0.36579	0.185	0.27	1	HC_vs_MS.NoTrt_F
UBQLN1	0.06428	-0.2757	0.306	0.39	1	HC_vs_MS.NoTrt_F
FAM134A	0.06447	0.26986	0.428	0.5	1	HC_vs_MS.NoTrt_F
CAPRN2	0.06478	-0.3625	0.757	0.8	1	HC_vs_MS.NoTrt_F
REXO1	0.06487	0.99149	0.118	0.18	1	HC_vs_MS.NoTrt_F
NOP16	0.06495	0.4359	0.228	0.3	1	HC_vs_MS.NoTrt_F
TOB2	0.06502	0.43408	0.159	0.23	1	HC_vs_MS.NoTrt_F
SIN3B	0.06514	0.76619	0.812	0.78	1	HC_vs_MS.NoTrt_F
HS2ST1	0.06543	-0.5357	0.127	0.18	1	HC_vs_MS.NoTrt_F
CMTM3	0.06551	0.57308	0.243	0.33	1	HC_vs_MS.NoTrt_F
ZMIZ2	0.06551	0.35137	0.199	0.28	1	HC_vs_MS.NoTrt_F
PHF20L1	0.06557	-0.7009	0.662	0.69	1	HC_vs_MS.NoTrt_F
EPPIN	0.06557	0.37432	0.627	0.56	1	HC_vs_MS.NoTrt_F
CYP7B1	0.06563	0.49018	0.457	0.54	1	HC_vs_MS.NoTrt_F
PSMG1	0.06566	-0.2642	0.188	0.26	1	HC_vs_MS.NoTrt_F
RNF157	0.06567	-0.251	0.653	0.74	1	HC_vs_MS.NoTrt_F
XAF1	0.06569	0.37835	0.844	0.84	1	HC_vs_MS.NoTrt_F
ERI3	0.06582	-0.4715	0.142	0.2	1	HC_vs_MS.NoTrt_F
GIPR	0.06587	0.29968	0.627	0.71	1	HC_vs_MS.NoTrt_F
HCFC1R1	0.06588	-0.2782	0.15	0.22	1	HC_vs_MS.NoTrt_F
LIN37	0.06618	0.30181	0.104	0.16	1	HC_vs_MS.NoTrt_F
CHD9	0.06645	-0.5263	0.477	0.54	1	HC_vs_MS.NoTrt_F
ADAM19	0.06665	0.33538	0.419	0.55	1	HC_vs_MS.NoTrt_F
WARS2	0.06665	0.44447	0.11	0.17	1	HC_vs_MS.NoTrt_F
CLTB	0.06698	0.5445	0.107	0.17	1	HC_vs_MS.NoTrt_F
FAM20A	0.06709	-0.8292	0.171	0.24	1	HC_vs_MS.NoTrt_F
GSTM1	0.06722	0.60077	0.194	0.27	1	HC_vs_MS.NoTrt_F
IER3IP1	0.06728	0.31285	0.182	0.25	1	HC_vs_MS.NoTrt_F
FAM188B	0.06767	0.52146	0.182	0.25	1	HC_vs_MS.NoTrt_F
MRPL30	0.06771	-0.6222	0.827	0.88	1	HC_vs_MS.NoTrt_F
KLRC1	0.06778	0.5838	0.338	0.44	1	HC_vs_MS.NoTrt_F
IVD	0.06804	0.42429	0.954	0.93	1	HC_vs_MS.NoTrt_F
ZC3H18	0.06821	0.30614	0.766	0.83	1	HC_vs_MS.NoTrt_F

CCDC6	0.0683	0.97061	0.121	0.18	1	HC_vs_MS.NoTrt_F
DHX8	0.06833	-0.4796	0.691	0.73	1	HC_vs_MS.NoTrt_F
NDUFAB1	0.06838	0.26127	0.275	0.36	1	HC_vs_MS.NoTrt_F
PAPSS2	0.06839	0.50766	0.072	0.12	1	HC_vs_MS.NoTrt_F
TMED3	0.06844	0.63417	0.699	0.65	1	HC_vs_MS.NoTrt_F
RNF25	0.06845	0.31406	0.113	0.17	1	HC_vs_MS.NoTrt_F
NPIPA5	0.06847	0.34942	0.104	0.16	1	HC_vs_MS.NoTrt_F
DPH1	0.06848	0.35772	0.91	0.88	1	HC_vs_MS.NoTrt_F
DAZAP1	0.0685	-0.2666	0.194	0.27	1	HC_vs_MS.NoTrt_F
MTERF3	0.06888	-1.1351	0.283	0.34	1	HC_vs_MS.NoTrt_F
SCO1	0.06889	-0.5371	0.85	0.85	1	HC_vs_MS.NoTrt_F
APOLD1	0.06897	0.63349	0.566	0.52	1	HC_vs_MS.NoTrt_F
HTRA4	0.06897	0.30339	0.535	0.46	1	HC_vs_MS.NoTrt_F
ZGRF1	0.06898	0.55885	0.85	0.83	1	HC_vs_MS.NoTrt_F
CDR2	0.06898	1.34938	0.168	0.24	1	HC_vs_MS.NoTrt_F
SPCS3	0.06907	0.27489	0.512	0.61	1	HC_vs_MS.NoTrt_F
DNAL1	0.06913	0.48262	0.951	0.94	1	HC_vs_MS.NoTrt_F
CIITA	0.06918	-0.4382	0.962	0.9	1	HC_vs_MS.NoTrt_F
VBP1	0.06919	0.66572	0.142	0.21	1	HC_vs_MS.NoTrt_F
GGCX	0.06922	0.80139	0.934	0.95	1	HC_vs_MS.NoTrt_F
FAM46A	0.06938	-0.3846	0.113	0.17	1	HC_vs_MS.NoTrt_F
UNK	0.06946	0.36122	0.127	0.19	1	HC_vs_MS.NoTrt_F
MIIP	0.06946	0.27034	0.199	0.28	1	HC_vs_MS.NoTrt_F
ZCCHC9	0.06955	0.27605	0.775	0.68	1	HC_vs_MS.NoTrt_F
POU2AF1	0.06967	0.54925	0.766	0.73	1	HC_vs_MS.NoTrt_F
SNRPG	0.06996	0.37894	0.329	0.45	1	HC_vs_MS.NoTrt_F
HS1BP3	0.07007	-0.3639	0.188	0.25	1	HC_vs_MS.NoTrt_F
SVIL	0.07048	1.21552	0.185	0.26	1	HC_vs_MS.NoTrt_F
VAT1	0.07052	0.41775	0.272	0.19	1	HC_vs_MS.NoTrt_F
UAP1	0.07092	0.76553	0.092	0.15	1	HC_vs_MS.NoTrt_F
UBL4A	0.07123	0.32537	0.118	0.18	1	HC_vs_MS.NoTrt_F
UBP1	0.07135	0.69815	0.13	0.19	1	HC_vs_MS.NoTrt_F
UNC50	0.07139	0.42307	0.142	0.2	1	HC_vs_MS.NoTrt_F
PDE3B	0.07139	-0.6067	0.613	0.63	1	HC_vs_MS.NoTrt_F
SLC25A46	0.07159	0.52013	0.162	0.23	1	HC_vs_MS.NoTrt_F
BTBD11	0.07161	0.97063	0.48	0.59	1	HC_vs_MS.NoTrt_F
TMX3	0.07182	-0.3261	0.462	0.56	1	HC_vs_MS.NoTrt_F
AHSA1	0.07214	-0.6292	0.587	0.61	1	HC_vs_MS.NoTrt_F
DENND6A	0.07238	-0.2806	0.595	0.66	1	HC_vs_MS.NoTrt_F
SPOP	0.07253	-0.3745	0.98	0.98	1	HC_vs_MS.NoTrt_F

E2F6	0.07254	-0.3853	0.272	0.34	1	HC_vs_MS.NoTrt_F
CECR1	0.07269	-0.3226	0.503	0.59	1	HC_vs_MS.NoTrt_F
FBXO15	0.07287	0.42441	0.665	0.61	1	HC_vs_MS.NoTrt_F
EXOC1	0.07294	0.35861	0.22	0.29	1	HC_vs_MS.NoTrt_F
UBXN7	0.07295	0.35812	0.795	0.88	1	HC_vs_MS.NoTrt_F
MRE11A	0.07299	-0.4659	0.743	0.82	1	HC_vs_MS.NoTrt_F
FAM219A	0.07301	0.67496	0.075	0.13	1	HC_vs_MS.NoTrt_F
PARVB	0.07313	0.42841	0.749	0.73	1	HC_vs_MS.NoTrt_F
CSMD1	0.07314	0.91582	0.361	0.29	1	HC_vs_MS.NoTrt_F
JMY	0.07319	0.78857	0.353	0.45	1	HC_vs_MS.NoTrt_F
NDUFS2	0.07323	-0.255	0.454	0.5	1	HC_vs_MS.NoTrt_F
MANF	0.07333	0.56831	0.064	0.11	1	HC_vs_MS.NoTrt_F
ANAPC7	0.07333	0.39962	0.59	0.67	1	HC_vs_MS.NoTrt_F
MINPP1	0.07354	0.37599	0.104	0.16	1	HC_vs_MS.NoTrt_F
CLCN6	0.07382	1.26025	0.59	0.53	1	HC_vs_MS.NoTrt_F
PARN	0.07413	-0.7027	0.746	0.79	1	HC_vs_MS.NoTrt_F
SLC25A16	0.07448	0.26506	0.974	0.98	1	HC_vs_MS.NoTrt_F
HSD11B1L	0.07451	0.36218	0.731	0.7	1	HC_vs_MS.NoTrt_F
AP3S1	0.07456	-0.3032	0.413	0.45	1	HC_vs_MS.NoTrt_F
BTLA	0.07464	0.74129	0.22	0.28	1	HC_vs_MS.NoTrt_F
CFH	0.07466	0.37646	0.127	0.19	1	HC_vs_MS.NoTrt_F
LINC01125	0.0747	0.41316	0.957	0.96	1	HC_vs_MS.NoTrt_F
HIP1R	0.07483	1.11255	0.11	0.17	1	HC_vs_MS.NoTrt_F
RGL4	0.07491	0.73108	0.263	0.36	1	HC_vs_MS.NoTrt_F
SOAT1	0.07535	-0.3765	0.743	0.79	1	HC_vs_MS.NoTrt_F
IFITM2	0.07536	0.53938	0.824	0.81	1	HC_vs_MS.NoTrt_F
SLC35E4	0.07546	1.03973	0.361	0.45	1	HC_vs_MS.NoTrt_F
TMEM135	0.0755	0.4286	0.803	0.83	1	HC_vs_MS.NoTrt_F
DUS1L	0.07558	1.16849	0.118	0.18	1	HC_vs_MS.NoTrt_F
FAM156A	0.07589	-0.6307	0.208	0.27	1	HC_vs_MS.NoTrt_F
PGM1	0.07593	0.43701	0.127	0.19	1	HC_vs_MS.NoTrt_F
SBNO2	0.07625	0.3962	0.228	0.3	1	HC_vs_MS.NoTrt_F
TOPBP1	0.07629	1.19191	0.133	0.19	1	HC_vs_MS.NoTrt_F
CCDC47	0.07643	-0.3612	0.691	0.79	1	HC_vs_MS.NoTrt_F
DXO	0.07661	0.372	0.171	0.24	1	HC_vs_MS.NoTrt_F
HIST1H2AC	0.07666	1.01405	0.081	0.13	1	HC_vs_MS.NoTrt_F
ZBTB1	0.07666	-0.4833	0.231	0.3	1	HC_vs_MS.NoTrt_F
CCDC146	0.0767	-0.3375	0.104	0.16	1	HC_vs_MS.NoTrt_F
ACTR5	0.07693	0.25114	0.168	0.23	1	HC_vs_MS.NoTrt_F
SLC36A1	0.07693	0.27421	0.098	0.16	1	HC_vs_MS.NoTrt_F

PLA2G6	0.07697	0.51984	0.428	0.52	1	HC_vs_MS.NoTrt_F
FCRL5	0.07716	0.38062	0.569	0.52	1	HC_vs_MS.NoTrt_F
PCDHGA8	0.07725	0.34405	0.662	0.56	1	HC_vs_MS.NoTrt_F
AKT1S1	0.07733	-1.0134	0.22	0.28	1	HC_vs_MS.NoTrt_F
ZUFSP	0.07749	0.4012	0.098	0.16	1	HC_vs_MS.NoTrt_F
YLPM1	0.07772	0.65574	0.749	0.67	1	HC_vs_MS.NoTrt_F
ENPP3	0.07773	1.19951	0.139	0.2	1	HC_vs_MS.NoTrt_F
IL5RA	0.07793	1.58305	0.318	0.4	1	HC_vs_MS.NoTrt_F
RPL17-C18o	0.07821	0.42244	0.09	0.14	1	HC_vs_MS.NoTrt_F
PPP2R2D	0.07825	-0.4284	0.65	0.73	1	HC_vs_MS.NoTrt_F
RNF169	0.07837	0.89712	0.092	0.14	1	HC_vs_MS.NoTrt_F
SFMBT1	0.07841	-0.6554	0.587	0.68	1	HC_vs_MS.NoTrt_F
TMEM14C	0.07842	0.25281	0.142	0.2	1	HC_vs_MS.NoTrt_F
TNS3	0.07846	0.78672	0.419	0.35	1	HC_vs_MS.NoTrt_F
CHIC1	0.07848	0.55747	0.107	0.17	1	HC_vs_MS.NoTrt_F
ARL5A	0.0788	0.45787	0.205	0.28	1	HC_vs_MS.NoTrt_F
USO1	0.07886	0.28492	0.208	0.28	1	HC_vs_MS.NoTrt_F
TMCO4	0.079	0.25178	0.136	0.19	1	HC_vs_MS.NoTrt_F
HOMEZ	0.07924	-0.7393	0.26	0.32	1	HC_vs_MS.NoTrt_F
POLR2H	0.0794	0.40908	0.448	0.54	1	HC_vs_MS.NoTrt_F
ELAC1	0.07952	-0.5642	0.512	0.58	1	HC_vs_MS.NoTrt_F
PHF2	0.07957	0.9088	0.104	0.16	1	HC_vs_MS.NoTrt_F
RMI1	0.07957	0.77225	0.286	0.38	1	HC_vs_MS.NoTrt_F
GLTSCR2	0.07967	0.28155	0.876	0.92	1	HC_vs_MS.NoTrt_F
ZNF670-ZNF	0.07971	0.45067	0.671	0.67	1	HC_vs_MS.NoTrt_F
RAD51	0.07981	-0.5346	0.512	0.61	1	HC_vs_MS.NoTrt_F
ICAM4	0.0799	0.29062	0.668	0.61	1	HC_vs_MS.NoTrt_F
DHCR7	0.08004	0.40712	0.081	0.13	1	HC_vs_MS.NoTrt_F
GAA	0.08012	0.97096	0.101	0.16	1	HC_vs_MS.NoTrt_F
SRRD	0.08013	0.34208	0.474	0.54	1	HC_vs_MS.NoTrt_F
POLG2	0.08025	-0.4875	0.538	0.56	1	HC_vs_MS.NoTrt_F
DDX20	0.08029	0.64218	0.116	0.17	1	HC_vs_MS.NoTrt_F
UBE3A	0.08041	-0.6308	0.598	0.64	1	HC_vs_MS.NoTrt_F
TUNAR	0.08053	1.47386	0.168	0.24	1	HC_vs_MS.NoTrt_F
TREML2	0.08066	0.45067	0.133	0.2	1	HC_vs_MS.NoTrt_F
TYMP	0.08077	0.4026	0.367	0.45	1	HC_vs_MS.NoTrt_F
BRWD3	0.08079	-0.292	0.153	0.22	1	HC_vs_MS.NoTrt_F
HMGCR	0.08083	0.38222	0.711	0.81	1	HC_vs_MS.NoTrt_F
BLOC1S4	0.08089	0.76551	0.171	0.23	1	HC_vs_MS.NoTrt_F
ERI1	0.08094	0.33271	0.451	0.54	1	HC_vs_MS.NoTrt_F



WDR83OS	0.08102	0.30225	0.231	0.31	1	HC_vs_MS.NoTrt_F
MSH3	0.08128	-0.6663	0.474	0.51	1	HC_vs_MS.NoTrt_F
PACSLN2	0.0813	-0.4956	0.494	0.58	1	HC_vs_MS.NoTrt_F
CHMP6	0.0815	0.67523	0.145	0.21	1	HC_vs_MS.NoTrt_F
KCTD11	0.08182	1.47795	0.173	0.24	1	HC_vs_MS.NoTrt_F
INTS7	0.082	-0.2993	0.457	0.53	1	HC_vs_MS.NoTrt_F
PKP4	0.08211	0.3314	0.116	0.17	1	HC_vs_MS.NoTrt_F
ZNF282	0.08235	0.91211	0.081	0.13	1	HC_vs_MS.NoTrt_F
CORO2A	0.08241	0.49775	0.861	0.78	1	HC_vs_MS.NoTrt_F
TLL1	0.08244	1.07335	0.064	0.11	1	HC_vs_MS.NoTrt_F
LPGAT1	0.0825	0.71727	0.61	0.51	1	HC_vs_MS.NoTrt_F
C3orf70	0.08257	0.56628	0.801	0.74	1	HC_vs_MS.NoTrt_F
PODXL	0.08277	0.38442	0.211	0.28	1	HC_vs_MS.NoTrt_F
SKI	0.08289	0.51865	0.133	0.19	1	HC_vs_MS.NoTrt_F
C1orf162	0.08305	0.45928	0.142	0.2	1	HC_vs_MS.NoTrt_F
ING3	0.08308	0.39217	0.176	0.24	1	HC_vs_MS.NoTrt_F
FAM117A	0.08308	0.3362	0.717	0.79	1	HC_vs_MS.NoTrt_F
PANK4	0.08323	0.30322	0.107	0.16	1	HC_vs_MS.NoTrt_F
PTPRB	0.08338	0.4742	0.624	0.55	1	HC_vs_MS.NoTrt_F
SNAPC5	0.08351	-0.4947	0.616	0.66	1	HC_vs_MS.NoTrt_F
FADS3	0.08377	-0.3385	0.662	0.71	1	HC_vs_MS.NoTrt_F
STX16	0.08395	-0.3501	0.506	0.57	1	HC_vs_MS.NoTrt_F
MIS12	0.08434	-0.505	0.341	0.42	1	HC_vs_MS.NoTrt_F
IP6K2	0.08447	-0.2847	0.373	0.44	1	HC_vs_MS.NoTrt_F
URB1	0.0848	1.07415	0.52	0.58	1	HC_vs_MS.NoTrt_F
ZNF280B	0.08525	0.9712	0.139	0.2	1	HC_vs_MS.NoTrt_F
RBMS1	0.08535	1.30502	0.731	0.71	1	HC_vs_MS.NoTrt_F
COL4A3BP	0.08541	0.36891	0.168	0.24	1	HC_vs_MS.NoTrt_F
GZMA	0.08561	0.56417	0.133	0.19	1	HC_vs_MS.NoTrt_F
RECK	0.08562	0.47057	0.188	0.25	1	HC_vs_MS.NoTrt_F
ARHGEF6	0.08565	0.31875	0.379	0.49	1	HC_vs_MS.NoTrt_F
ACAA1	0.08569	-0.3269	0.52	0.58	1	HC_vs_MS.NoTrt_F
APIP	0.08583	0.36618	0.509	0.61	1	HC_vs_MS.NoTrt_F
CAPNS1	0.0859	-0.3095	0.37	0.44	1	HC_vs_MS.NoTrt_F
MTPN	0.08603	0.46724	0.257	0.33	1	HC_vs_MS.NoTrt_F
GLUD1	0.08637	0.34799	0.275	0.35	1	HC_vs_MS.NoTrt_F
RGCC	0.08658	0.37255	0.41	0.53	1	HC_vs_MS.NoTrt_F
PLD1	0.08667	0.65923	0.549	0.65	1	HC_vs_MS.NoTrt_F
PRDM10	0.08676	1.41966	0.09	0.14	1	HC_vs_MS.NoTrt_F
PRPF4B	0.08677	-0.2661	0.364	0.45	1	HC_vs_MS.NoTrt_F

AP1S2	0.08686	0.30767	0.228	0.3	1	HC_vs_MS.NoTrt_F
MITD1	0.08723	0.34861	0.962	0.97	1	HC_vs_MS.NoTrt_F
MAP4K2	0.08727	-0.2873	0.708	0.76	1	HC_vs_MS.NoTrt_F
TRIM16L	0.08739	0.39273	0.783	0.8	1	HC_vs_MS.NoTrt_F
EMC6	0.08748	0.63515	0.116	0.17	1	HC_vs_MS.NoTrt_F
NBAS	0.08754	0.58195	0.251	0.33	1	HC_vs_MS.NoTrt_F
KLHDC1	0.08777	0.38158	0.332	0.4	1	HC_vs_MS.NoTrt_F
SCYL3	0.08789	0.48909	0.818	0.72	1	HC_vs_MS.NoTrt_F
ALG1	0.088	-0.3186	0.601	0.66	1	HC_vs_MS.NoTrt_F
LAMTOR2	0.08803	0.27916	0.191	0.26	1	HC_vs_MS.NoTrt_F
KPTN	0.08863	-0.832	0.22	0.28	1	HC_vs_MS.NoTrt_F
EIF4G3	0.08873	0.32293	0.301	0.37	1	HC_vs_MS.NoTrt_F
SESN1	0.08874	0.49044	0.214	0.29	1	HC_vs_MS.NoTrt_F
CCDC183	0.0888	0.62416	0.078	0.13	1	HC_vs_MS.NoTrt_F
NOMO1	0.0889	0.46623	0.199	0.27	1	HC_vs_MS.NoTrt_F
GNPNAT1	0.08905	1.03094	0.581	0.52	1	HC_vs_MS.NoTrt_F
DFNA5	0.08911	-0.5866	0.15	0.22	1	HC_vs_MS.NoTrt_F
SLC26A6	0.08916	0.80656	0.113	0.17	1	HC_vs_MS.NoTrt_F
KIAA1328	0.08928	0.2814	0.986	0.99	1	HC_vs_MS.NoTrt_F
PCDH9	0.09016	0.32306	0.691	0.75	1	HC_vs_MS.NoTrt_F
KYAT3	0.09023	-0.3031	0.136	0.19	1	HC_vs_MS.NoTrt_F
ZNF468	0.09027	-0.5151	0.529	0.62	1	HC_vs_MS.NoTrt_F
CTD-2192J10	0.09028	0.39541	0.512	0.61	1	HC_vs_MS.NoTrt_F
MAZ	0.0903	0.42085	0.182	0.25	1	HC_vs_MS.NoTrt_F
PTP4A3	0.09047	0.82373	0.11	0.17	1	HC_vs_MS.NoTrt_F
FCGR2B	0.09077	0.75049	0.075	0.12	1	HC_vs_MS.NoTrt_F
ZNF425	0.09083	-1.3679	0.445	0.51	1	HC_vs_MS.NoTrt_F
C5AR1	0.09094	0.36908	0.98	0.97	1	HC_vs_MS.NoTrt_F
NIPA1	0.09125	0.86557	0.191	0.25	1	HC_vs_MS.NoTrt_F
AP3B1	0.09137	-0.4294	0.486	0.54	1	HC_vs_MS.NoTrt_F
PPP2CB	0.09147	0.48704	0.564	0.6	1	HC_vs_MS.NoTrt_F
SRGAP1	0.0916	0.55536	0.954	0.94	1	HC_vs_MS.NoTrt_F
TNC	0.09164	0.27861	0.344	0.44	1	HC_vs_MS.NoTrt_F
MGME1	0.09178	0.58197	0.118	0.17	1	HC_vs_MS.NoTrt_F
CCZ1	0.09188	-0.4012	0.72	0.77	1	HC_vs_MS.NoTrt_F
MFGE8	0.09212	-1.247	0.604	0.62	1	HC_vs_MS.NoTrt_F
PPP3CB	0.09213	0.68303	0.136	0.19	1	HC_vs_MS.NoTrt_F
LIMS3	0.09216	0.29399	0.647	0.56	1	HC_vs_MS.NoTrt_F
MAGED2	0.09217	-0.2845	0.24	0.29	1	HC_vs_MS.NoTrt_F
SNX21	0.09218	0.82915	0.468	0.56	1	HC_vs_MS.NoTrt_F

L3MBTL4	0.09237	-0.7244	0.494	0.59	1	HC_vs_MS.NoTrt_F
WDR46	0.09266	0.90786	0.133	0.19	1	HC_vs_MS.NoTrt_F
CASP9	0.09272	0.8365	0.471	0.4	1	HC_vs_MS.NoTrt_F
NFE2L1	0.09273	0.35127	0.101	0.16	1	HC_vs_MS.NoTrt_F
IFIT5	0.09277	0.32816	0.104	0.16	1	HC_vs_MS.NoTrt_F
PRKCZ	0.0928	0.53665	0.301	0.38	1	HC_vs_MS.NoTrt_F
POLR3H	0.09289	0.69014	0.272	0.35	1	HC_vs_MS.NoTrt_F
MON1A	0.0929	0.27101	0.116	0.17	1	HC_vs_MS.NoTrt_F
MAD2L1BP	0.09295	-0.8362	0.191	0.25	1	HC_vs_MS.NoTrt_F
ZNF701	0.093	0.47264	0.477	0.57	1	HC_vs_MS.NoTrt_F
E2F5	0.09309	-0.3264	0.393	0.46	1	HC_vs_MS.NoTrt_F
MRPL50	0.09336	-0.3407	0.165	0.22	1	HC_vs_MS.NoTrt_F
CDH8	0.09345	0.2922	0.514	0.59	1	HC_vs_MS.NoTrt_F
MAP4K3	0.0935	0.43919	0.084	0.13	1	HC_vs_MS.NoTrt_F
GZMM	0.09357	0.53537	0.199	0.28	1	HC_vs_MS.NoTrt_F
ZFAND3	0.09382	0.4939	0.734	0.79	1	HC_vs_MS.NoTrt_F
LOXL1	0.09404	0.86594	0.104	0.16	1	HC_vs_MS.NoTrt_F
NAGA	0.0941	0.6279	0.13	0.19	1	HC_vs_MS.NoTrt_F
PAPLN	0.09418	0.43471	0.847	0.82	1	HC_vs_MS.NoTrt_F
DAP3	0.0942	-0.569	0.913	0.93	1	HC_vs_MS.NoTrt_F
SRPK2	0.09425	0.4299	0.341	0.44	1	HC_vs_MS.NoTrt_F
CFHR1	0.09428	0.42723	0.786	0.77	1	HC_vs_MS.NoTrt_F
RAD51B	0.0943	-0.405	0.327	0.4	1	HC_vs_MS.NoTrt_F
MTM1	0.09435	-0.2541	0.228	0.29	1	HC_vs_MS.NoTrt_F
MRPS15	0.09442	-0.3066	0.584	0.62	1	HC_vs_MS.NoTrt_F
COG6	0.09443	-0.2547	0.159	0.22	1	HC_vs_MS.NoTrt_F
INTS12	0.09449	0.28658	0.136	0.19	1	HC_vs_MS.NoTrt_F
UHRF1BP1L	0.09452	-0.8899	0.393	0.47	1	HC_vs_MS.NoTrt_F
CD58	0.09456	0.48336	0.303	0.39	1	HC_vs_MS.NoTrt_F
CCDC137	0.09464	0.36724	0.298	0.37	1	HC_vs_MS.NoTrt_F
BST1	0.0947	0.25639	0.555	0.63	1	HC_vs_MS.NoTrt_F
TMUB2	0.09473	0.32362	0.882	0.86	1	HC_vs_MS.NoTrt_F
GS1-114I9.3	0.09488	1.14849	0.078	0.13	1	HC_vs_MS.NoTrt_F
ARFGAP1	0.09497	-0.646	0.234	0.28	1	HC_vs_MS.NoTrt_F
CHMP1B	0.09499	0.49955	0.855	0.83	1	HC_vs_MS.NoTrt_F
SLAMF6	0.09501	-0.8046	0.549	0.56	1	HC_vs_MS.NoTrt_F
PIM3	0.09507	0.42834	0.176	0.24	1	HC_vs_MS.NoTrt_F
GOLM1	0.09517	0.94322	0.642	0.62	1	HC_vs_MS.NoTrt_F
NSUN5	0.09521	0.26416	0.35	0.41	1	HC_vs_MS.NoTrt_F
SLC11A2	0.09522	0.26541	0.801	0.74	1	HC_vs_MS.NoTrt_F

BMP1	0.09523	0.80593	0.639	0.6	1	HC_vs_MS.NoTrt_F
PRKRIP1	0.09534	-0.3457	0.211	0.26	1	HC_vs_MS.NoTrt_F
AAMP	0.09555	-0.4899	0.234	0.28	1	HC_vs_MS.NoTrt_F
ZNF800	0.09569	0.72477	0.251	0.33	1	HC_vs_MS.NoTrt_F
POU2F1	0.09585	0.34906	0.422	0.48	1	HC_vs_MS.NoTrt_F
COG5	0.09588	1.45336	0.263	0.34	1	HC_vs_MS.NoTrt_F
PNLIPRP1	0.09593	0.30818	0.853	0.86	1	HC_vs_MS.NoTrt_F
TMEM161B	0.09596	-0.3722	0.642	0.71	1	HC_vs_MS.NoTrt_F
ZNF484	0.09616	0.92722	0.107	0.16	1	HC_vs_MS.NoTrt_F
ANKRD26	0.09616	0.97296	0.159	0.22	1	HC_vs_MS.NoTrt_F
ESRP2	0.09658	0.50378	0.081	0.13	1	HC_vs_MS.NoTrt_F
CCNG2	0.09661	0.51096	0.35	0.41	1	HC_vs_MS.NoTrt_F
TMEM185B	0.09675	-0.9183	0.335	0.39	1	HC_vs_MS.NoTrt_F
TUBGCP5	0.09679	0.41286	0.697	0.79	1	HC_vs_MS.NoTrt_F
HARS2	0.09684	0.93973	0.153	0.22	1	HC_vs_MS.NoTrt_F
ARHGAP11A	0.0971	-0.947	0.422	0.5	1	HC_vs_MS.NoTrt_F
ABCA9	0.0973	0.72222	0.882	0.88	1	HC_vs_MS.NoTrt_F
AKAP6	0.09738	0.27194	0.777	0.76	1	HC_vs_MS.NoTrt_F
ARHGAP10	0.09744	0.49603	0.182	0.25	1	HC_vs_MS.NoTrt_F
CSF1R	0.0975	-0.8237	0.197	0.27	1	HC_vs_MS.NoTrt_F
RYK	0.09752	0.38026	0.118	0.17	1	HC_vs_MS.NoTrt_F
POLQ	0.09754	0.53313	0.618	0.55	1	HC_vs_MS.NoTrt_F
SYNJ2BP	0.09779	-0.2778	0.867	0.91	1	HC_vs_MS.NoTrt_F
PRDM15	0.09798	-0.4884	0.636	0.58	1	HC_vs_MS.NoTrt_F
ATP5G1	0.09806	-0.2765	0.306	0.38	1	HC_vs_MS.NoTrt_F
RAB12	0.09836	1.75106	0.361	0.35	1	HC_vs_MS.NoTrt_F
TCF7	0.09836	1.04052	0.78	0.76	1	HC_vs_MS.NoTrt_F
OSCAR	0.09856	0.27191	0.066	0.11	1	HC_vs_MS.NoTrt_F
FAM58A	0.09858	0.62345	0.107	0.16	1	HC_vs_MS.NoTrt_F
SLC25A39	0.09875	0.25467	0.72	0.77	1	HC_vs_MS.NoTrt_F
ZNF429	0.09882	0.76096	0.928	0.91	1	HC_vs_MS.NoTrt_F
RMND5A	0.09926	0.94436	0.384	0.32	1	HC_vs_MS.NoTrt_F
USP34	0.09927	0.28979	0.671	0.72	1	HC_vs_MS.NoTrt_F
EDARADD	0.0995	-0.323	0.107	0.16	1	HC_vs_MS.NoTrt_F
APP	0.09971	0.88519	0.731	0.72	1	HC_vs_MS.NoTrt_F
NEPRO	0.09983	-0.4008	0.197	0.25	1	HC_vs_MS.NoTrt_F
CEP83	0.09983	0.38384	0.754	0.69	1	HC_vs_MS.NoTrt_F
USP6NL	0.09998	0.26591	0.827	0.8	1	HC_vs_MS.NoTrt_F
ADPRHL1	0.1002	-0.5225	0.315	0.38	1	HC_vs_MS.NoTrt_F
C14orf93	0.10036	-0.5197	0.335	0.39	1	HC_vs_MS.NoTrt_F

ORC5	0.10103	0.33274	0.263	0.34	1	HC_vs_MS.NoTrt_F
NUDT18	0.10103	0.41193	0.066	0.11	1	HC_vs_MS.NoTrt_F
TNKS2	0.10111	0.54544	0.347	0.45	1	HC_vs_MS.NoTrt_F
CHMP3	0.1014	-0.3272	0.367	0.42	1	HC_vs_MS.NoTrt_F
MLKL	0.102	-0.3705	0.829	0.72	1	HC_vs_MS.NoTrt_F
TACR2	0.10205	0.53417	0.121	0.18	1	HC_vs_MS.NoTrt_F
SLC7A6	0.10216	0.45323	0.555	0.66	1	HC_vs_MS.NoTrt_F
PSTPIP2	0.10237	-0.3407	0.408	0.48	1	HC_vs_MS.NoTrt_F
ANAPC10	0.1025	0.33982	0.168	0.23	1	HC_vs_MS.NoTrt_F
RBL1	0.10262	-0.2973	0.642	0.66	1	HC_vs_MS.NoTrt_F
TBX19	0.10282	0.30904	0.11	0.16	1	HC_vs_MS.NoTrt_F
TMEM234	0.10286	0.62204	0.127	0.18	1	HC_vs_MS.NoTrt_F
NDUFS5	0.10333	0.26958	0.277	0.37	1	HC_vs_MS.NoTrt_F
LAPTM4A	0.1034	-0.3026	0.228	0.28	1	HC_vs_MS.NoTrt_F
MAPT	0.10358	0.65183	0.746	0.72	1	HC_vs_MS.NoTrt_F
VTI1A	0.10361	-0.4154	0.902	0.92	1	HC_vs_MS.NoTrt_F
MTOR	0.1037	-0.6029	0.243	0.29	1	HC_vs_MS.NoTrt_F
TMEM38A	0.10372	0.37167	0.581	0.49	1	HC_vs_MS.NoTrt_F
FXR2	0.10375	0.61496	0.714	0.69	1	HC_vs_MS.NoTrt_F
DTX3L	0.10377	0.34099	0.711	0.79	1	HC_vs_MS.NoTrt_F
TSG101	0.1038	-0.3713	0.506	0.54	1	HC_vs_MS.NoTrt_F
DIMT1	0.10452	0.75441	0.162	0.23	1	HC_vs_MS.NoTrt_F
LRCH3	0.10459	0.27527	0.988	0.98	1	HC_vs_MS.NoTrt_F
MIB2	0.1046	0.4545	0.202	0.26	1	HC_vs_MS.NoTrt_F
PMF1-BGLA	0.10463	1.01511	0.11	0.17	1	HC_vs_MS.NoTrt_F
TUT1	0.10479	-1.2889	0.191	0.24	1	HC_vs_MS.NoTrt_F
FAM227A	0.10509	0.28929	0.942	0.94	1	HC_vs_MS.NoTrt_F
XKR8	0.10514	-0.98	0.185	0.24	1	HC_vs_MS.NoTrt_F
KIDINS220	0.1052	-0.5699	0.298	0.35	1	HC_vs_MS.NoTrt_F
CENPP	0.1052	-0.2823	0.064	0.11	1	HC_vs_MS.NoTrt_F
PCED1A	0.10525	0.40746	0.185	0.25	1	HC_vs_MS.NoTrt_F
ZNF169	0.10534	0.44995	0.908	0.87	1	HC_vs_MS.NoTrt_F
MIXL1	0.10544	0.28637	0.725	0.6	1	HC_vs_MS.NoTrt_F
DNAJC5	0.10579	1.04448	0.11	0.16	1	HC_vs_MS.NoTrt_F
EML3	0.10585	0.46222	0.269	0.34	1	HC_vs_MS.NoTrt_F
L3MBTL1	0.10589	0.58575	0.685	0.65	1	HC_vs_MS.NoTrt_F
TBRG4	0.106	-0.4509	0.436	0.48	1	HC_vs_MS.NoTrt_F
STXBP3	0.10602	-0.5071	0.636	0.65	1	HC_vs_MS.NoTrt_F
RP11-619A1	0.10642	-0.4902	0.63	0.7	1	HC_vs_MS.NoTrt_F
ALKBH2	0.10649	-0.4367	0.37	0.44	1	HC_vs_MS.NoTrt_F

MAP3K7CL	0.10658	-0.3195	0.465	0.53	1	HC_vs_MS.NoTrt_F
TPCN1	0.10673	-0.3596	0.428	0.51	1	HC_vs_MS.NoTrt_F
CRELD2	0.10688	-0.4291	0.645	0.67	1	HC_vs_MS.NoTrt_F
NFXL1	0.10692	0.48928	0.145	0.2	1	HC_vs_MS.NoTrt_F
MARVELD2	0.10717	0.48842	0.725	0.72	1	HC_vs_MS.NoTrt_F
CSTF1	0.10723	-0.82	0.72	0.76	1	HC_vs_MS.NoTrt_F
CXCL16	0.10731	0.50329	0.662	0.61	1	HC_vs_MS.NoTrt_F
CYP2C19	0.10739	0.54536	0.769	0.76	1	HC_vs_MS.NoTrt_F
BPHL	0.10742	0.48194	0.694	0.75	1	HC_vs_MS.NoTrt_F
ZACN	0.10745	0.49531	0.084	0.13	1	HC_vs_MS.NoTrt_F
DMXL1	0.1077	0.68519	0.24	0.31	1	HC_vs_MS.NoTrt_F
BICD2	0.10771	0.57706	0.116	0.17	1	HC_vs_MS.NoTrt_F
CNBD2	0.10774	0.84345	0.543	0.49	1	HC_vs_MS.NoTrt_F
KRBA2	0.10777	-1.2259	0.387	0.44	1	HC_vs_MS.NoTrt_F
ERGIC1	0.1078	0.29072	0.882	0.86	1	HC_vs_MS.NoTrt_F
TMEM164	0.1079	0.79788	0.107	0.16	1	HC_vs_MS.NoTrt_F
C18orf25	0.10797	-0.349	0.468	0.5	1	HC_vs_MS.NoTrt_F
EXOC3L4	0.10803	-0.5343	0.254	0.31	1	HC_vs_MS.NoTrt_F
CSF2RB	0.10809	0.47763	0.124	0.18	1	HC_vs_MS.NoTrt_F
TMED2	0.10817	-0.3332	0.78	0.77	1	HC_vs_MS.NoTrt_F
C12orf60	0.10831	0.52321	0.676	0.62	1	HC_vs_MS.NoTrt_F
GOLGA6L1	0.10833	0.43551	0.471	0.43	1	HC_vs_MS.NoTrt_F
PTPN7	0.10863	0.75035	0.775	0.75	1	HC_vs_MS.NoTrt_F
SMG6	0.10869	0.3556	0.251	0.33	1	HC_vs_MS.NoTrt_F
PTTG1IP	0.10877	0.32178	0.254	0.34	1	HC_vs_MS.NoTrt_F
MAP3K12	0.10881	0.39211	0.731	0.79	1	HC_vs_MS.NoTrt_F
STX4	0.10887	0.28122	0.223	0.28	1	HC_vs_MS.NoTrt_F
TSNARE1	0.10902	0.54603	0.133	0.19	1	HC_vs_MS.NoTrt_F
NFYA	0.10908	0.72455	0.159	0.22	1	HC_vs_MS.NoTrt_F
SERPINA10	0.1091	0.3855	0.627	0.58	1	HC_vs_MS.NoTrt_F
ZBTB46	0.10911	-0.5737	0.136	0.19	1	HC_vs_MS.NoTrt_F
VPS8	0.10912	-0.7169	0.691	0.75	1	HC_vs_MS.NoTrt_F
AK5	0.10913	0.68038	0.156	0.22	1	HC_vs_MS.NoTrt_F
RP11-864I4.	0.10914	-0.4836	0.084	0.13	1	HC_vs_MS.NoTrt_F
NRP1	0.10919	0.43353	0.465	0.41	1	HC_vs_MS.NoTrt_F
SSH1	0.10925	0.40721	0.887	0.89	1	HC_vs_MS.NoTrt_F
ZFP36L2	0.10939	1.00349	0.595	0.64	1	HC_vs_MS.NoTrt_F
CNOT6	0.10952	0.27927	0.182	0.23	1	HC_vs_MS.NoTrt_F
SZT2	0.10958	0.31557	0.884	0.9	1	HC_vs_MS.NoTrt_F
HERPUD2	0.10981	0.34328	0.561	0.63	1	HC_vs_MS.NoTrt_F

KHNYN	0.10995	0.87201	0.136	0.19	1	HC_vs_MS.NoTrt_F
CPM	0.11	0.58262	0.832	0.77	1	HC_vs_MS.NoTrt_F
ERP27	0.1102	0.28636	0.26	0.34	1	HC_vs_MS.NoTrt_F
NOL6	0.11022	1.29405	0.431	0.5	1	HC_vs_MS.NoTrt_F
MRPL16	0.11022	0.4555	0.211	0.28	1	HC_vs_MS.NoTrt_F
CDK7	0.11052	0.36046	0.22	0.29	1	HC_vs_MS.NoTrt_F
AIM2	0.11092	1.18655	0.341	0.27	1	HC_vs_MS.NoTrt_F
SLC26A2	0.11111	0.47065	0.775	0.71	1	HC_vs_MS.NoTrt_F
TNFSF8	0.11116	0.58528	0.159	0.22	1	HC_vs_MS.NoTrt_F
WBP4	0.11133	0.66444	0.116	0.17	1	HC_vs_MS.NoTrt_F
CENPO	0.11137	0.89932	0.072	0.12	1	HC_vs_MS.NoTrt_F
DISP1	0.11145	0.55953	0.121	0.17	1	HC_vs_MS.NoTrt_F
SUN2	0.11158	0.36516	0.422	0.54	1	HC_vs_MS.NoTrt_F
OMA1	0.11167	-0.4374	0.627	0.69	1	HC_vs_MS.NoTrt_F
CCDC80	0.11168	0.88295	0.783	0.75	1	HC_vs_MS.NoTrt_F
USP31	0.11181	0.61598	0.133	0.19	1	HC_vs_MS.NoTrt_F
MAEA	0.11186	-0.2818	0.653	0.71	1	HC_vs_MS.NoTrt_F
CLSTN3	0.11193	0.39078	0.199	0.27	1	HC_vs_MS.NoTrt_F
PI4KA	0.11221	0.59409	0.373	0.32	1	HC_vs_MS.NoTrt_F
C15orf41	0.11268	0.3356	0.645	0.71	1	HC_vs_MS.NoTrt_F
PLXDC2	0.11278	1.19338	0.74	0.69	1	HC_vs_MS.NoTrt_F
RPL37A	0.11359	0.38302	0.867	0.91	1	HC_vs_MS.NoTrt_F
PCGF1	0.11361	-0.3515	0.402	0.46	1	HC_vs_MS.NoTrt_F
LNPK	0.11389	-0.2769	0.558	0.62	1	HC_vs_MS.NoTrt_F
THAP9	0.11401	0.42207	0.639	0.57	1	HC_vs_MS.NoTrt_F
ANAPC2	0.11422	0.92242	0.124	0.18	1	HC_vs_MS.NoTrt_F
ZNF3	0.11427	-0.7099	0.78	0.86	1	HC_vs_MS.NoTrt_F
B4GALNT2	0.11453	0.41541	0.341	0.44	1	HC_vs_MS.NoTrt_F
EHBP1L1	0.11461	0.56315	0.246	0.31	1	HC_vs_MS.NoTrt_F
INPP4A	0.11478	0.34149	0.405	0.46	1	HC_vs_MS.NoTrt_F
KIAA1549	0.11491	0.47293	0.396	0.47	1	HC_vs_MS.NoTrt_F
TP53BP2	0.11511	1.30739	0.179	0.24	1	HC_vs_MS.NoTrt_F
PLK1	0.11512	0.5312	0.465	0.53	1	HC_vs_MS.NoTrt_F
FAM63B	0.11532	-0.4399	0.769	0.79	1	HC_vs_MS.NoTrt_F
PITHD1	0.11598	0.36613	0.191	0.25	1	HC_vs_MS.NoTrt_F
ZNF581	0.11599	0.75411	0.116	0.17	1	HC_vs_MS.NoTrt_F
SRSF8	0.11613	-0.8861	0.671	0.7	1	HC_vs_MS.NoTrt_F
C6orf136	0.11622	0.31684	0.121	0.17	1	HC_vs_MS.NoTrt_F
AKAP2	0.11625	-0.3311	0.312	0.38	1	HC_vs_MS.NoTrt_F
EIF1AX	0.11639	0.58692	0.347	0.29	1	HC_vs_MS.NoTrt_F

RAB8A	0.11645	-0.3303	0.607	0.63	1	HC_vs_MS.NoTrt_F
CPEB3	0.11649	-0.9173	0.075	0.12	1	HC_vs_MS.NoTrt_F
SCP2	0.11653	0.30901	0.306	0.39	1	HC_vs_MS.NoTrt_F
TMEM241	0.11665	1.09743	0.694	0.65	1	HC_vs_MS.NoTrt_F
TMEM39A	0.11673	0.56142	0.211	0.28	1	HC_vs_MS.NoTrt_F
AMDHD1	0.11681	0.40565	0.214	0.28	1	HC_vs_MS.NoTrt_F
TAF9	0.11685	-0.3327	0.399	0.46	1	HC_vs_MS.NoTrt_F
TBC1D2B	0.11694	0.59444	0.358	0.41	1	HC_vs_MS.NoTrt_F
ZNF778	0.11712	0.73911	0.705	0.66	1	HC_vs_MS.NoTrt_F
C1QTNF7	0.11717	0.48453	0.081	0.13	1	HC_vs_MS.NoTrt_F
ARMCX4	0.11725	0.68255	0.223	0.29	1	HC_vs_MS.NoTrt_F
ZNF100	0.11736	0.90313	0.864	0.83	1	HC_vs_MS.NoTrt_F
MTPAP	0.11737	-0.4266	0.873	0.91	1	HC_vs_MS.NoTrt_F
SUGP1	0.11739	-0.3651	0.486	0.53	1	HC_vs_MS.NoTrt_F
RPS7	0.11745	-0.2923	0.538	0.59	1	HC_vs_MS.NoTrt_F
CCDC28A	0.11745	-0.4882	0.251	0.31	1	HC_vs_MS.NoTrt_F
TLK2	0.11754	-0.2713	0.431	0.49	1	HC_vs_MS.NoTrt_F
POLD4	0.11763	0.36298	0.85	0.87	1	HC_vs_MS.NoTrt_F
SELO	0.11787	1.11056	0.081	0.13	1	HC_vs_MS.NoTrt_F
C2orf42	0.11804	0.25276	0.182	0.24	1	HC_vs_MS.NoTrt_F
NCLN	0.11805	0.32413	0.185	0.24	1	HC_vs_MS.NoTrt_F
PDDC1	0.1181	0.31297	0.977	0.98	1	HC_vs_MS.NoTrt_F
DISC1	0.11815	0.32328	0.558	0.48	1	HC_vs_MS.NoTrt_F
ARL17A	0.1182	0.26675	0.679	0.77	1	HC_vs_MS.NoTrt_F
RP11-894J14	0.11828	-0.4211	0.139	0.19	1	HC_vs_MS.NoTrt_F
FARP1	0.11867	0.31239	0.968	0.95	1	HC_vs_MS.NoTrt_F
TIPARP	0.11869	0.39117	0.165	0.23	1	HC_vs_MS.NoTrt_F
ZNF33A	0.11869	-0.702	0.584	0.61	1	HC_vs_MS.NoTrt_F
PPP1R9A	0.11872	0.33465	0.225	0.28	1	HC_vs_MS.NoTrt_F
C12orf66	0.11905	-0.5212	0.382	0.44	1	HC_vs_MS.NoTrt_F
FUK	0.1191	-1.1421	0.616	0.65	1	HC_vs_MS.NoTrt_F
ZHX3	0.11911	0.67498	0.344	0.41	1	HC_vs_MS.NoTrt_F
CMAS	0.11917	0.32356	0.13	0.18	1	HC_vs_MS.NoTrt_F
CYP4B1	0.11921	0.35892	0.699	0.63	1	HC_vs_MS.NoTrt_F
PDHB	0.11941	-0.3025	0.844	0.9	1	HC_vs_MS.NoTrt_F
LUC7L3	0.11955	0.2859	0.572	0.7	1	HC_vs_MS.NoTrt_F
DNAJC7	0.11958	-0.3308	0.977	0.97	1	HC_vs_MS.NoTrt_F
MED13	0.11983	0.59202	0.595	0.56	1	HC_vs_MS.NoTrt_F
HACL1	0.11995	0.40798	0.162	0.22	1	HC_vs_MS.NoTrt_F
BMPR1A	0.12003	0.38912	0.803	0.79	1	HC_vs_MS.NoTrt_F



USE1	0.12031	0.39663	0.887	0.86	1	HC_vs_MS.NoTrt_F
USP49	0.12046	0.64553	0.694	0.73	1	HC_vs_MS.NoTrt_F
ZWILCH	0.12048	-0.7484	0.694	0.73	1	HC_vs_MS.NoTrt_F
DGKQ	0.12048	1.5097	0.09	0.14	1	HC_vs_MS.NoTrt_F
MAPK8IP3	0.12049	0.43131	0.22	0.29	1	HC_vs_MS.NoTrt_F
FAM53B	0.1205	0.47979	0.26	0.34	1	HC_vs_MS.NoTrt_F
ZNF880	0.12066	0.28196	0.512	0.56	1	HC_vs_MS.NoTrt_F
DHX40	0.12081	0.47976	0.147	0.2	1	HC_vs_MS.NoTrt_F
ZNF623	0.12083	0.89588	0.72	0.72	1	HC_vs_MS.NoTrt_F
PIP4K2B	0.12144	-0.5431	0.153	0.2	1	HC_vs_MS.NoTrt_F
SLC39A7	0.12148	0.25511	0.113	0.16	1	HC_vs_MS.NoTrt_F
POLR2J3	0.12155	0.342	0.997	0.99	1	HC_vs_MS.NoTrt_F
QPRT	0.1216	0.33593	0.936	0.88	1	HC_vs_MS.NoTrt_F
TOE1	0.12162	-0.5688	0.09	0.13	1	HC_vs_MS.NoTrt_F
C2orf81	0.12198	0.31913	0.864	0.87	1	HC_vs_MS.NoTrt_F
ABI2	0.12202	0.50536	0.899	0.88	1	HC_vs_MS.NoTrt_F
POLR2J	0.12254	0.40582	0.231	0.3	1	HC_vs_MS.NoTrt_F
CSF3R	0.12275	1.03795	0.711	0.71	1	HC_vs_MS.NoTrt_F
NCOA7	0.12276	0.7109	0.801	0.77	1	HC_vs_MS.NoTrt_F
AP2A1	0.12313	-0.397	0.734	0.82	1	HC_vs_MS.NoTrt_F
FUBP3	0.12314	0.35557	0.104	0.16	1	HC_vs_MS.NoTrt_F
CLEC16A	0.1233	0.5887	0.694	0.67	1	HC_vs_MS.NoTrt_F
AIMP2	0.12366	-1.1267	0.358	0.42	1	HC_vs_MS.NoTrt_F
NPTXR	0.12374	0.96982	0.355	0.42	1	HC_vs_MS.NoTrt_F
TMEM156	0.12381	-0.301	0.832	0.9	1	HC_vs_MS.NoTrt_F
IL18BP	0.12397	0.39114	0.147	0.2	1	HC_vs_MS.NoTrt_F
ATP1B1	0.12397	1.12401	0.306	0.39	1	HC_vs_MS.NoTrt_F
SYS1	0.12418	0.55576	0.529	0.46	1	HC_vs_MS.NoTrt_F
NEMP1	0.1245	0.57482	0.147	0.2	1	HC_vs_MS.NoTrt_F
COG4	0.12466	-0.4707	0.751	0.79	1	HC_vs_MS.NoTrt_F
ST8SIA4	0.1249	-0.5014	0.769	0.81	1	HC_vs_MS.NoTrt_F
TBC1D3I	0.12498	0.36578	0.223	0.29	1	HC_vs_MS.NoTrt_F
ZNF235	0.12507	-1.1208	0.159	0.22	1	HC_vs_MS.NoTrt_F
ZSCAN29	0.12517	0.59183	0.445	0.48	1	HC_vs_MS.NoTrt_F
AMY2B	0.12577	-0.4156	0.607	0.64	1	HC_vs_MS.NoTrt_F
NBPF20	0.1258	0.91165	0.347	0.41	1	HC_vs_MS.NoTrt_F
USP46	0.12582	0.46247	0.731	0.87	1	HC_vs_MS.NoTrt_F
MARK4	0.126	0.27073	0.578	0.66	1	HC_vs_MS.NoTrt_F
TIAM1	0.1261	-0.3301	0.54	0.6	1	HC_vs_MS.NoTrt_F
RP4-583P15	0.12623	0.29033	0.15	0.2	1	HC_vs_MS.NoTrt_F

KDM5D	0.12634	-1.018	0.39	0.43	1	HC_vs_MS.NoTrt_F
SOX6	0.12637	-0.3284	0.448	0.5	1	HC_vs_MS.NoTrt_F
PHAX	0.12644	-0.4686	0.893	0.9	1	HC_vs_MS.NoTrt_F
CAMKK1	0.12664	-0.2983	0.22	0.28	1	HC_vs_MS.NoTrt_F
ATAD2B	0.1267	0.51947	0.746	0.74	1	HC_vs_MS.NoTrt_F
NUP35	0.12673	0.37249	0.662	0.61	1	HC_vs_MS.NoTrt_F
FOXP2	0.12699	0.27851	0.257	0.32	1	HC_vs_MS.NoTrt_F
TMEM186	0.12748	-0.4805	0.526	0.61	1	HC_vs_MS.NoTrt_F
KLHDC2	0.1279	0.45853	0.246	0.3	1	HC_vs_MS.NoTrt_F
PLCD1	0.12822	1.24741	0.116	0.17	1	HC_vs_MS.NoTrt_F
TMX4	0.12827	-0.4095	0.636	0.62	1	HC_vs_MS.NoTrt_F
UTP11	0.12884	0.69962	0.549	0.63	1	HC_vs_MS.NoTrt_F
SERPINF1	0.12896	0.25038	0.827	0.88	1	HC_vs_MS.NoTrt_F
AC013264.1	0.12901	0.3999	0.402	0.53	1	HC_vs_MS.NoTrt_F
THTPA	0.12908	0.43716	0.139	0.19	1	HC_vs_MS.NoTrt_F
CCNY	0.1292	-0.3245	0.494	0.43	1	HC_vs_MS.NoTrt_F
TMEM258	0.12927	0.52	0.361	0.45	1	HC_vs_MS.NoTrt_F
KSR2	0.12931	-0.5024	0.249	0.3	1	HC_vs_MS.NoTrt_F
AKR1C2	0.12933	0.41071	0.107	0.16	1	HC_vs_MS.NoTrt_F
ATP10A	0.12936	2.05817	0.116	0.17	1	HC_vs_MS.NoTrt_F
DNPEP	0.12941	-0.3689	0.48	0.52	1	HC_vs_MS.NoTrt_F
ZNF234	0.12949	0.59627	0.835	0.79	1	HC_vs_MS.NoTrt_F
EZH2	0.1296	-0.3061	0.185	0.24	1	HC_vs_MS.NoTrt_F
TFAM	0.12985	0.8184	0.321	0.39	1	HC_vs_MS.NoTrt_F
PROSER1	0.12997	0.29845	0.208	0.27	1	HC_vs_MS.NoTrt_F
SOS1	0.13012	0.37411	0.199	0.26	1	HC_vs_MS.NoTrt_F
ZNF665	0.13016	0.2905	0.954	0.95	1	HC_vs_MS.NoTrt_F
CEP162	0.13052	-0.5307	0.217	0.28	1	HC_vs_MS.NoTrt_F
ZXDB	0.1306	1.43786	0.087	0.13	1	HC_vs_MS.NoTrt_F
C8orf59	0.13088	-0.269	0.442	0.5	1	HC_vs_MS.NoTrt_F
ALDH3B1	0.13098	0.2779	0.809	0.77	1	HC_vs_MS.NoTrt_F
ELP6	0.13111	-1.1237	0.647	0.69	1	HC_vs_MS.NoTrt_F
TLR5	0.1313	0.59711	0.636	0.71	1	HC_vs_MS.NoTrt_F
DHDDS	0.13133	-0.6436	0.618	0.62	1	HC_vs_MS.NoTrt_F
ZNF563	0.13138	-0.2716	0.555	0.62	1	HC_vs_MS.NoTrt_F
NAB1	0.13151	0.57876	0.153	0.21	1	HC_vs_MS.NoTrt_F
TDP1	0.13154	-0.2856	0.382	0.42	1	HC_vs_MS.NoTrt_F
TRMT1L	0.13157	0.63432	0.124	0.17	1	HC_vs_MS.NoTrt_F
RRM2B	0.13168	-0.5607	0.182	0.24	1	HC_vs_MS.NoTrt_F
ADK	0.13171	0.36126	0.289	0.36	1	HC_vs_MS.NoTrt_F

SWSAP1	0.13219	0.27072	0.783	0.71	1	HC_vs_MS.NoTrt_F
WNT2B	0.13228	0.51913	0.509	0.56	1	HC_vs_MS.NoTrt_F
FSD2	0.13242	0.31623	0.488	0.56	1	HC_vs_MS.NoTrt_F
NUCKS1	0.13252	0.29778	0.5	0.6	1	HC_vs_MS.NoTrt_F
PSENNEN	0.13262	0.31641	0.246	0.3	1	HC_vs_MS.NoTrt_F
CLHC1	0.13299	-0.4373	0.526	0.59	1	HC_vs_MS.NoTrt_F
RCHY1	0.13307	-0.2751	0.364	0.43	1	HC_vs_MS.NoTrt_F
PRH1	0.13313	0.46291	0.133	0.19	1	HC_vs_MS.NoTrt_F
UBA6	0.1332	-0.292	0.514	0.56	1	HC_vs_MS.NoTrt_F
PRRC1	0.13321	-0.7356	0.448	0.49	1	HC_vs_MS.NoTrt_F
SLC35D1	0.1333	0.3837	0.35	0.43	1	HC_vs_MS.NoTrt_F
NR4A2	0.13343	0.54969	0.607	0.61	1	HC_vs_MS.NoTrt_F
FSIP2	0.13346	0.34461	0.847	0.82	1	HC_vs_MS.NoTrt_F
ODC1	0.13375	0.91185	0.142	0.2	1	HC_vs_MS.NoTrt_F
LAT2	0.13395	1.05921	0.876	0.88	1	HC_vs_MS.NoTrt_F
MTMR12	0.1346	0.43272	0.488	0.53	1	HC_vs_MS.NoTrt_F
LIX1L	0.13473	0.4374	0.847	0.79	1	HC_vs_MS.NoTrt_F
RAE1	0.13483	0.7524	0.139	0.19	1	HC_vs_MS.NoTrt_F
CTNNA1	0.1349	0.26573	0.662	0.65	1	HC_vs_MS.NoTrt_F
TFDP2	0.13495	0.40429	0.945	0.94	1	HC_vs_MS.NoTrt_F
TP53BP1	0.13502	-0.4589	0.306	0.37	1	HC_vs_MS.NoTrt_F
MMACHC	0.13547	0.65276	0.916	0.89	1	HC_vs_MS.NoTrt_F
RNF19B	0.13548	0.89706	0.069	0.11	1	HC_vs_MS.NoTrt_F
SOX4	0.13565	1.12009	0.104	0.16	1	HC_vs_MS.NoTrt_F
SGPL1	0.13581	-0.4907	0.471	0.52	1	HC_vs_MS.NoTrt_F
TRPM7	0.13587	1.1885	0.934	0.94	1	HC_vs_MS.NoTrt_F
DDX1	0.13592	0.78156	0.205	0.27	1	HC_vs_MS.NoTrt_F
ZNF99	0.13601	0.25821	0.627	0.55	1	HC_vs_MS.NoTrt_F
MCFD2	0.13624	0.40381	0.934	0.95	1	HC_vs_MS.NoTrt_F
ICK	0.13624	-0.719	0.246	0.29	1	HC_vs_MS.NoTrt_F
LY75-CD302	0.13642	2.44632	0.104	0.15	1	HC_vs_MS.NoTrt_F
PFKFB2	0.13655	-0.4211	0.225	0.28	1	HC_vs_MS.NoTrt_F
P2RX5	0.13676	0.62987	0.113	0.16	1	HC_vs_MS.NoTrt_F
BTNL9	0.13686	0.8184	0.931	0.88	1	HC_vs_MS.NoTrt_F
C1orf27	0.13701	-0.3578	0.24	0.29	1	HC_vs_MS.NoTrt_F
FDX1	0.13709	-0.3233	0.384	0.42	1	HC_vs_MS.NoTrt_F
REEP3	0.13709	-0.6827	0.486	0.53	1	HC_vs_MS.NoTrt_F
PPFIBP2	0.13718	-0.9262	0.286	0.34	1	HC_vs_MS.NoTrt_F
TBL2	0.13729	-0.3586	0.746	0.67	1	HC_vs_MS.NoTrt_F
RBM38	0.13747	0.51969	0.202	0.27	1	HC_vs_MS.NoTrt_F

FASN	0.13756	0.73449	0.171	0.23	1	HC_vs_MS.NoTrt_F
CDYL2	0.13764	0.37353	0.127	0.18	1	HC_vs_MS.NoTrt_F
RNF31	0.13837	0.42299	0.312	0.38	1	HC_vs_MS.NoTrt_F
SPDYE5	0.1386	0.25961	0.494	0.57	1	HC_vs_MS.NoTrt_F
WRN	0.13869	-0.4787	0.587	0.58	1	HC_vs_MS.NoTrt_F
GRIA4	0.13875	0.32223	0.191	0.14	1	HC_vs_MS.NoTrt_F
PNPT1	0.13884	0.38699	0.882	0.92	1	HC_vs_MS.NoTrt_F
GLCC1	0.13905	0.3145	0.286	0.36	1	HC_vs_MS.NoTrt_F
TFEB	0.13927	-0.7281	0.486	0.52	1	HC_vs_MS.NoTrt_F
ZBTB7A	0.13958	0.37178	0.162	0.22	1	HC_vs_MS.NoTrt_F
SLCO2B1	0.13964	0.75084	0.379	0.45	1	HC_vs_MS.NoTrt_F
ITGB3BP	0.13964	0.36104	0.78	0.83	1	HC_vs_MS.NoTrt_F
DMPK	0.1399	0.26931	0.668	0.74	1	HC_vs_MS.NoTrt_F
PDCD2	0.14011	0.70028	0.15	0.2	1	HC_vs_MS.NoTrt_F
PER1	0.14018	1.01816	0.587	0.56	1	HC_vs_MS.NoTrt_F
HEATR6	0.14018	0.35834	0.607	0.66	1	HC_vs_MS.NoTrt_F
FAIM	0.14025	0.50484	0.399	0.47	1	HC_vs_MS.NoTrt_F
TBC1D15	0.14026	-0.8507	0.592	0.66	1	HC_vs_MS.NoTrt_F
SRL	0.14053	0.27192	0.483	0.43	1	HC_vs_MS.NoTrt_F
B4GALT5	0.1407	0.40026	0.286	0.35	1	HC_vs_MS.NoTrt_F
TMPRSS4	0.14092	0.28073	0.659	0.61	1	HC_vs_MS.NoTrt_F
KIAA1683	0.14096	0.35828	0.717	0.67	1	HC_vs_MS.NoTrt_F
CMSS1	0.14115	0.4678	0.763	0.79	1	HC_vs_MS.NoTrt_F
DUSP23	0.14119	0.50171	0.136	0.19	1	HC_vs_MS.NoTrt_F
GPR146	0.14136	0.97255	0.237	0.18	1	HC_vs_MS.NoTrt_F
ANKRD30BL	0.14139	0.28472	0.621	0.61	1	HC_vs_MS.NoTrt_F
AGBL5	0.14141	-0.7153	0.179	0.23	1	HC_vs_MS.NoTrt_F
SART1	0.14153	-0.5647	0.37	0.42	1	HC_vs_MS.NoTrt_F
LMTK2	0.14169	0.62725	0.303	0.37	1	HC_vs_MS.NoTrt_F
FAM188A	0.14223	0.62097	0.133	0.18	1	HC_vs_MS.NoTrt_F
C18orf21	0.14243	0.31677	0.118	0.17	1	HC_vs_MS.NoTrt_F
RCBTB1	0.14257	0.75623	0.168	0.23	1	HC_vs_MS.NoTrt_F
ARHGAP31	0.14259	0.322	0.373	0.41	1	HC_vs_MS.NoTrt_F
MSRB2	0.14311	-0.2664	0.092	0.14	1	HC_vs_MS.NoTrt_F
ENY2	0.14315	0.4786	0.63	0.55	1	HC_vs_MS.NoTrt_F
MAFF	0.14315	0.33337	0.723	0.67	1	HC_vs_MS.NoTrt_F
MAP4	0.14359	0.58594	0.815	0.82	1	HC_vs_MS.NoTrt_F
CDC73	0.14398	0.49738	0.642	0.55	1	HC_vs_MS.NoTrt_F
BCAT2	0.14398	-0.4417	0.243	0.29	1	HC_vs_MS.NoTrt_F
MAATS1	0.14422	0.27869	0.277	0.35	1	HC_vs_MS.NoTrt_F

TRAM2	0.14453	0.28042	0.309	0.36	1	HC_vs_MS.NoTrt_F
C4BPB	0.1446	0.32893	0.85	0.85	1	HC_vs_MS.NoTrt_F
ELL	0.14474	0.84075	0.197	0.27	1	HC_vs_MS.NoTrt_F
SETD5	0.14503	0.50211	0.665	0.7	1	HC_vs_MS.NoTrt_F
CCDC153	0.14507	0.5415	0.269	0.35	1	HC_vs_MS.NoTrt_F
SIK1	0.14514	1.27007	0.159	0.22	1	HC_vs_MS.NoTrt_F
GALNT1	0.14544	1.8548	0.101	0.15	1	HC_vs_MS.NoTrt_F
ZNF462	0.1455	0.73382	0.24	0.19	1	HC_vs_MS.NoTrt_F
TM2D2	0.14578	0.80221	0.454	0.4	1	HC_vs_MS.NoTrt_F
DLG5	0.14609	0.42396	0.517	0.45	1	HC_vs_MS.NoTrt_F
SIAH1	0.14672	0.57158	0.275	0.34	1	HC_vs_MS.NoTrt_F
KCTD9	0.14681	-1.0421	0.263	0.32	1	HC_vs_MS.NoTrt_F
RBM41	0.14702	0.35009	0.428	0.5	1	HC_vs_MS.NoTrt_F
THG1L	0.14722	-0.5976	0.621	0.71	1	HC_vs_MS.NoTrt_F
SIGLEC8	0.14776	0.54618	0.578	0.54	1	HC_vs_MS.NoTrt_F
MRRF	0.14795	-1.1172	0.685	0.67	1	HC_vs_MS.NoTrt_F
TKFC	0.14812	0.84759	0.639	0.61	1	HC_vs_MS.NoTrt_F
MTERF1	0.14815	-0.959	0.254	0.3	1	HC_vs_MS.NoTrt_F
PIGU	0.14823	0.97449	0.136	0.19	1	HC_vs_MS.NoTrt_F
ACOT4	0.14838	0.33165	0.15	0.21	1	HC_vs_MS.NoTrt_F
CDYL	0.14838	-0.4064	0.107	0.16	1	HC_vs_MS.NoTrt_F
DNAH7	0.14858	0.47966	0.694	0.67	1	HC_vs_MS.NoTrt_F
C11orf21	0.14879	0.54414	0.173	0.23	1	HC_vs_MS.NoTrt_F
DUSP2	0.14881	0.48332	0.332	0.43	1	HC_vs_MS.NoTrt_F
ATPIF1	0.1489	0.68726	0.298	0.4	1	HC_vs_MS.NoTrt_F
COL6A1	0.149	3.10279	0.107	0.07	1	HC_vs_MS.NoTrt_F
FDPS	0.14925	-0.2521	0.526	0.55	1	HC_vs_MS.NoTrt_F
SNX19	0.14931	0.25145	0.269	0.34	1	HC_vs_MS.NoTrt_F
ERGIC2	0.14937	-0.3919	0.526	0.55	1	HC_vs_MS.NoTrt_F
RXRA	0.14941	0.36461	0.225	0.29	1	HC_vs_MS.NoTrt_F
ZNF549	0.14944	0.54241	0.688	0.73	1	HC_vs_MS.NoTrt_F
ZDHHC17	0.14948	0.70341	0.341	0.42	1	HC_vs_MS.NoTrt_F
NUDCD3	0.14948	0.51328	0.344	0.41	1	HC_vs_MS.NoTrt_F
GRAPL	0.14955	0.93587	0.104	0.15	1	HC_vs_MS.NoTrt_F
G2E3	0.1499	-0.8927	0.549	0.58	1	HC_vs_MS.NoTrt_F
SULT1A3	0.14994	0.29498	0.679	0.73	1	HC_vs_MS.NoTrt_F
ZNF76	0.15011	0.42226	0.22	0.28	1	HC_vs_MS.NoTrt_F
RIPK1	0.15035	0.33446	0.237	0.29	1	HC_vs_MS.NoTrt_F
ATXN2	0.15056	0.26402	0.934	0.92	1	HC_vs_MS.NoTrt_F
LRRC28	0.15072	-0.4645	0.624	0.67	1	HC_vs_MS.NoTrt_F

MGRN1	0.15079	0.31648	0.864	0.79	1	HC_vs_MS.NoTrt_F
NAMPT	0.1509	0.85291	0.824	0.8	1	HC_vs_MS.NoTrt_F
VWA7	0.15112	0.57718	0.387	0.46	1	HC_vs_MS.NoTrt_F
LCA5L	0.15122	0.58693	0.416	0.5	1	HC_vs_MS.NoTrt_F
TRPM1	0.15136	0.34384	0.133	0.18	1	HC_vs_MS.NoTrt_F
RHOC	0.15137	0.90251	0.266	0.22	1	HC_vs_MS.NoTrt_F
AARS	0.15166	-0.432	0.428	0.5	1	HC_vs_MS.NoTrt_F
TLR6	0.15169	-0.4803	0.309	0.38	1	HC_vs_MS.NoTrt_F
PRKCSH	0.15175	0.81194	0.725	0.72	1	HC_vs_MS.NoTrt_F
ATP11C	0.15202	1.19588	0.09	0.13	1	HC_vs_MS.NoTrt_F
HNRNPAB	0.15225	0.40186	0.223	0.29	1	HC_vs_MS.NoTrt_F
LAX1	0.15248	0.28508	0.587	0.62	1	HC_vs_MS.NoTrt_F
TNKS1BP1	0.15286	0.5442	0.118	0.08	1	HC_vs_MS.NoTrt_F
WRAP73	0.15303	-0.502	0.37	0.42	1	HC_vs_MS.NoTrt_F
ADAT1	0.15304	-0.6067	0.717	0.73	1	HC_vs_MS.NoTrt_F
MCAM	0.1531	0.94133	0.598	0.53	1	HC_vs_MS.NoTrt_F
PRPSAP2	0.1531	-0.5903	0.653	0.71	1	HC_vs_MS.NoTrt_F
RABGGTA	0.15313	0.2678	0.153	0.21	1	HC_vs_MS.NoTrt_F
PLA2G5	0.15348	0.29261	0.309	0.26	1	HC_vs_MS.NoTrt_F
BCAM	0.15392	0.54922	0.786	0.75	1	HC_vs_MS.NoTrt_F
HIF3A	0.15508	0.37245	0.908	0.88	1	HC_vs_MS.NoTrt_F
ALG12	0.15526	0.29616	0.197	0.25	1	HC_vs_MS.NoTrt_F
SMN2	0.15547	0.27314	0.844	0.73	1	HC_vs_MS.NoTrt_F
ST8SIA5	0.15582	0.27874	0.723	0.69	1	HC_vs_MS.NoTrt_F
NEIL3	0.15592	-0.7101	0.295	0.34	1	HC_vs_MS.NoTrt_F
BIRC5	0.15599	0.50049	0.725	0.72	1	HC_vs_MS.NoTrt_F
MPP7	0.15601	0.96308	0.347	0.41	1	HC_vs_MS.NoTrt_F
DDX43	0.15605	-0.6255	0.185	0.24	1	HC_vs_MS.NoTrt_F
MT1X	0.15634	0.39782	0.165	0.22	1	HC_vs_MS.NoTrt_F
DESI1	0.15646	-0.3953	0.633	0.68	1	HC_vs_MS.NoTrt_F
HELZ	0.15657	0.29729	0.699	0.76	1	HC_vs_MS.NoTrt_F
B3GNT5	0.15663	-0.8232	0.587	0.62	1	HC_vs_MS.NoTrt_F
HIST1H2BG	0.15673	0.25481	0.497	0.43	1	HC_vs_MS.NoTrt_F
TMEM154	0.15701	0.2849	0.945	0.93	1	HC_vs_MS.NoTrt_F
DNMBP	0.15706	1.66475	0.101	0.14	1	HC_vs_MS.NoTrt_F
MPRIP	0.15708	0.36257	0.948	0.92	1	HC_vs_MS.NoTrt_F
GOLGA8N	0.15722	0.6332	0.101	0.15	1	HC_vs_MS.NoTrt_F
PCED1B	0.15761	0.62124	0.509	0.62	1	HC_vs_MS.NoTrt_F
PLXNA4	0.15777	0.30286	0.104	0.15	1	HC_vs_MS.NoTrt_F
TPCN2	0.15786	-0.5477	0.682	0.75	1	HC_vs_MS.NoTrt_F

NAV3	0.15841	0.3023	0.754	0.72	1	HC_vs_MS.NoTrt_F
TLL2	0.1585	0.32792	0.462	0.42	1	HC_vs_MS.NoTrt_F
RNF114	0.15946	-0.287	0.772	0.8	1	HC_vs_MS.NoTrt_F
PDP2	0.15951	-0.2905	0.835	0.8	1	HC_vs_MS.NoTrt_F
SUFU	0.15953	0.26708	0.121	0.17	1	HC_vs_MS.NoTrt_F
CYP20A1	0.15957	-0.4028	0.919	0.92	1	HC_vs_MS.NoTrt_F
WDR7	0.15971	-1.5682	0.373	0.42	1	HC_vs_MS.NoTrt_F
FANCM	0.15971	-0.6884	0.133	0.18	1	HC_vs_MS.NoTrt_F
ABCD3	0.15978	-0.9316	0.176	0.23	1	HC_vs_MS.NoTrt_F
NUDT7	0.15984	0.26667	0.24	0.29	1	HC_vs_MS.NoTrt_F
SGF29	0.15989	0.4323	0.306	0.37	1	HC_vs_MS.NoTrt_F
ZNF227	0.16041	0.48206	0.549	0.51	1	HC_vs_MS.NoTrt_F
COQ5	0.16045	0.61952	0.876	0.9	1	HC_vs_MS.NoTrt_F
C11orf80	0.16081	0.49684	0.494	0.56	1	HC_vs_MS.NoTrt_F
RABL3	0.16135	-0.7066	0.607	0.64	1	HC_vs_MS.NoTrt_F
GPN3	0.1615	0.74643	0.379	0.45	1	HC_vs_MS.NoTrt_F
RCC1L	0.16164	-0.5515	0.301	0.35	1	HC_vs_MS.NoTrt_F
SYTL2	0.16196	0.37566	0.754	0.74	1	HC_vs_MS.NoTrt_F
CARHSP1	0.16273	-0.634	0.688	0.72	1	HC_vs_MS.NoTrt_F
7-Mar	0.16295	0.50107	0.263	0.33	1	HC_vs_MS.NoTrt_F
WRNIP1	0.16308	0.85866	0.133	0.18	1	HC_vs_MS.NoTrt_F
NCKAP5L	0.16334	0.55261	0.714	0.67	1	HC_vs_MS.NoTrt_F
PSKH1	0.1634	0.86853	0.13	0.18	1	HC_vs_MS.NoTrt_F
NCOA1	0.16342	0.82282	0.223	0.28	1	HC_vs_MS.NoTrt_F
TNFRSF19	0.16352	0.36542	0.182	0.24	1	HC_vs_MS.NoTrt_F
ART4	0.1638	0.40161	0.572	0.5	1	HC_vs_MS.NoTrt_F
SORBS1	0.1639	-0.3483	0.269	0.33	1	HC_vs_MS.NoTrt_F
ZNF66	0.16436	-0.5092	0.671	0.62	1	HC_vs_MS.NoTrt_F
KHSRP	0.16441	0.26601	0.153	0.2	1	HC_vs_MS.NoTrt_F
GTSF1	0.16442	-0.9734	0.324	0.27	1	HC_vs_MS.NoTrt_F
CHMP2A	0.16445	0.4299	0.199	0.26	1	HC_vs_MS.NoTrt_F
MLLT1	0.16451	1.29797	0.098	0.14	1	HC_vs_MS.NoTrt_F
ZC2HC1C	0.1647	-0.3479	0.124	0.17	1	HC_vs_MS.NoTrt_F
CECR2	0.16483	0.61333	0.558	0.53	1	HC_vs_MS.NoTrt_F
USP4	0.16499	0.28926	0.977	0.94	1	HC_vs_MS.NoTrt_F
PAN2	0.16512	0.25689	0.353	0.4	1	HC_vs_MS.NoTrt_F
MORN4	0.16517	-0.4747	0.61	0.65	1	HC_vs_MS.NoTrt_F
WIP1	0.16545	0.34684	0.893	0.89	1	HC_vs_MS.NoTrt_F
GPAA1	0.16577	0.6171	0.182	0.24	1	HC_vs_MS.NoTrt_F
CNTLN	0.16612	0.35923	0.436	0.36	1	HC_vs_MS.NoTrt_F

PAK1	0.16658	-0.5927	0.202	0.26	1	HC_vs_MS.NoTrt_F
SCARB1	0.16677	0.51796	0.587	0.51	1	HC_vs_MS.NoTrt_F
CDAN1	0.16682	0.60993	0.529	0.56	1	HC_vs_MS.NoTrt_F
ZNF460	0.16689	0.58331	0.22	0.28	1	HC_vs_MS.NoTrt_F
TUBD1	0.16699	-0.5026	0.775	0.82	1	HC_vs_MS.NoTrt_F
POLD3	0.16707	-1.2502	0.176	0.22	1	HC_vs_MS.NoTrt_F
ENOX2	0.16711	0.68845	0.145	0.19	1	HC_vs_MS.NoTrt_F
MALT1	0.16786	0.49404	0.153	0.2	1	HC_vs_MS.NoTrt_F
SENP1	0.16813	0.74014	0.231	0.3	1	HC_vs_MS.NoTrt_F
IPO11	0.16817	0.2956	0.173	0.23	1	HC_vs_MS.NoTrt_F
ZNF385D	0.16853	0.34725	0.327	0.4	1	HC_vs_MS.NoTrt_F
SGTA	0.16868	-0.3223	0.59	0.64	1	HC_vs_MS.NoTrt_F
ANKS1B	0.16885	0.29819	0.743	0.62	1	HC_vs_MS.NoTrt_F
CEP63	0.16934	-0.5262	0.786	0.8	1	HC_vs_MS.NoTrt_F
ST13	0.16939	0.31241	0.355	0.44	1	HC_vs_MS.NoTrt_F
SEC14L6	0.16943	0.44821	0.798	0.76	1	HC_vs_MS.NoTrt_F
FSD1	0.16945	0.73595	0.457	0.42	1	HC_vs_MS.NoTrt_F
STEAP4	0.16965	0.40369	0.743	0.76	1	HC_vs_MS.NoTrt_F
MT-ATP6	0.16965	0.32731	0.89	0.92	1	HC_vs_MS.NoTrt_F
CADM1	0.17014	-0.9639	0.289	0.33	1	HC_vs_MS.NoTrt_F
EHD2	0.17046	0.26547	0.884	0.91	1	HC_vs_MS.NoTrt_F
AGAP3	0.1705	0.83934	0.072	0.11	1	HC_vs_MS.NoTrt_F
TRABD	0.17063	0.27456	0.382	0.48	1	HC_vs_MS.NoTrt_F
ABCA10	0.17078	1.30191	0.095	0.14	1	HC_vs_MS.NoTrt_F
KIAA1614	0.17093	0.63313	0.335	0.38	1	HC_vs_MS.NoTrt_F
ZNRF2	0.17094	1.31511	0.098	0.14	1	HC_vs_MS.NoTrt_F
RPS6KA2	0.17094	0.46781	0.113	0.16	1	HC_vs_MS.NoTrt_F
RIMKLB	0.17112	0.42754	0.118	0.16	1	HC_vs_MS.NoTrt_F
RP11-111H1	0.17155	-0.2915	0.136	0.18	1	HC_vs_MS.NoTrt_F
SPECC1L-AD	0.17255	-0.9572	0.231	0.28	1	HC_vs_MS.NoTrt_F
GOLGA6L9	0.17266	1.08479	0.072	0.11	1	HC_vs_MS.NoTrt_F
UBE2Z	0.17286	0.29687	0.286	0.34	1	HC_vs_MS.NoTrt_F
SLC25A29	0.17289	0.3386	0.387	0.45	1	HC_vs_MS.NoTrt_F
HSDL2	0.17294	-0.3759	0.185	0.24	1	HC_vs_MS.NoTrt_F
GSTM4	0.1734	2.5792	0.211	0.17	1	HC_vs_MS.NoTrt_F
GRAMD1B	0.17341	-0.4083	0.312	0.37	1	HC_vs_MS.NoTrt_F
MCOLN1	0.17416	0.37107	0.806	0.82	1	HC_vs_MS.NoTrt_F
DUSP1	0.17421	0.28455	0.624	0.72	1	HC_vs_MS.NoTrt_F
RPS27	0.17438	0.277	0.301	0.39	1	HC_vs_MS.NoTrt_F
MLEC	0.1746	0.32869	0.15	0.2	1	HC_vs_MS.NoTrt_F



ZFP64	0.17464	-0.5411	0.633	0.64	1	HC_vs_MS.NoTrt_F
RELN	0.17503	0.2675	0.156	0.21	1	HC_vs_MS.NoTrt_F
MAPK8	0.17506	0.33036	0.497	0.56	1	HC_vs_MS.NoTrt_F
SPDYA	0.17514	0.27379	0.118	0.17	1	HC_vs_MS.NoTrt_F
TESPA1	0.17518	0.26832	0.451	0.52	1	HC_vs_MS.NoTrt_F
TRIM5	0.17561	0.41183	0.503	0.56	1	HC_vs_MS.NoTrt_F
CAMK2N1	0.17569	-0.3923	0.113	0.16	1	HC_vs_MS.NoTrt_F
VNN3	0.17576	1.31362	0.477	0.47	1	HC_vs_MS.NoTrt_F
LAMA4	0.176	0.78124	0.355	0.3	1	HC_vs_MS.NoTrt_F
MOSPD1	0.17607	-0.8129	0.217	0.27	1	HC_vs_MS.NoTrt_F
ZSCAN31	0.17622	0.4762	0.139	0.1	1	HC_vs_MS.NoTrt_F
CCDC86	0.17635	1.13947	0.09	0.13	1	HC_vs_MS.NoTrt_F
PHF6	0.17649	-0.957	0.714	0.74	1	HC_vs_MS.NoTrt_F
TSC22D1	0.17668	1.7624	0.116	0.08	1	HC_vs_MS.NoTrt_F
PABPC1L	0.17684	0.43717	0.321	0.39	1	HC_vs_MS.NoTrt_F
SLC25A15	0.177	-0.3245	0.754	0.7	1	HC_vs_MS.NoTrt_F
PTPN20	0.17765	1.08868	0.081	0.12	1	HC_vs_MS.NoTrt_F
DDX39B	0.17771	0.5121	0.783	0.8	1	HC_vs_MS.NoTrt_F
GDAP2	0.17789	0.63287	0.766	0.69	1	HC_vs_MS.NoTrt_F
SPATA5	0.17806	0.86897	0.798	0.73	1	HC_vs_MS.NoTrt_F
ABCB8	0.17811	0.43427	0.627	0.56	1	HC_vs_MS.NoTrt_F
SKIV2L	0.17819	0.69694	0.185	0.24	1	HC_vs_MS.NoTrt_F
FGD4	0.17837	0.93402	0.861	0.84	1	HC_vs_MS.NoTrt_F
ATM	0.17839	0.51293	0.977	0.95	1	HC_vs_MS.NoTrt_F
ORMDL2	0.17842	-0.2819	0.549	0.56	1	HC_vs_MS.NoTrt_F
TSTD2	0.17849	0.54748	0.121	0.17	1	HC_vs_MS.NoTrt_F
C2orf49	0.17874	-0.3607	0.462	0.52	1	HC_vs_MS.NoTrt_F
TCOF1	0.1788	-0.3502	0.809	0.88	1	HC_vs_MS.NoTrt_F
OSGEP	0.17883	-0.5989	0.671	0.68	1	HC_vs_MS.NoTrt_F
SEC11A	0.17884	-0.3462	0.853	0.88	1	HC_vs_MS.NoTrt_F
AGO2	0.17886	0.78262	0.468	0.45	1	HC_vs_MS.NoTrt_F
FBXO18	0.17905	-0.4667	0.448	0.5	1	HC_vs_MS.NoTrt_F
ATG7	0.17917	-0.621	0.63	0.69	1	HC_vs_MS.NoTrt_F
UBXN8	0.17928	1.47479	0.22	0.28	1	HC_vs_MS.NoTrt_F
ARID5A	0.17939	0.39062	0.225	0.29	1	HC_vs_MS.NoTrt_F
NETO2	0.17943	-0.4947	0.587	0.61	1	HC_vs_MS.NoTrt_F
IFNAR1	0.17943	0.51377	0.561	0.51	1	HC_vs_MS.NoTrt_F
SLC10A1	0.17955	1.6032	0.072	0.11	1	HC_vs_MS.NoTrt_F
CENPM	0.18027	-0.4916	0.382	0.43	1	HC_vs_MS.NoTrt_F
GLA	0.18035	1.92113	0.084	0.13	1	HC_vs_MS.NoTrt_F

AAR2	0.18036	0.66064	0.266	0.32	1	HC_vs_MS.NoTrt_F
1-Dec	0.18052	0.33106	0.575	0.54	1	HC_vs_MS.NoTrt_F
DAG1	0.18062	1.02417	0.604	0.59	1	HC_vs_MS.NoTrt_F
IQCG	0.18092	0.37832	0.827	0.75	1	HC_vs_MS.NoTrt_F
COPS6	0.18094	0.3283	0.708	0.66	1	HC_vs_MS.NoTrt_F
ATXN2L	0.18102	0.95147	0.298	0.38	1	HC_vs_MS.NoTrt_F
NFKB2	0.1814	-0.3638	0.428	0.49	1	HC_vs_MS.NoTrt_F
USF2	0.18155	0.31536	0.627	0.65	1	HC_vs_MS.NoTrt_F
PHYH	0.18197	0.37674	0.309	0.35	1	HC_vs_MS.NoTrt_F
EDEM1	0.18201	0.48101	0.335	0.43	1	HC_vs_MS.NoTrt_F
NPHP1	0.1821	0.38909	0.746	0.72	1	HC_vs_MS.NoTrt_F
RP9	0.1822	0.32669	0.127	0.17	1	HC_vs_MS.NoTrt_F
NTHL1	0.18224	-0.5076	0.075	0.11	1	HC_vs_MS.NoTrt_F
TRDMT1	0.18244	-0.2544	0.78	0.77	1	HC_vs_MS.NoTrt_F
CPPED1	0.1826	-0.2804	0.65	0.7	1	HC_vs_MS.NoTrt_F
TGFBR2	0.18291	0.85064	0.277	0.23	1	HC_vs_MS.NoTrt_F
GALNT9	0.18309	-0.2693	0.223	0.27	1	HC_vs_MS.NoTrt_F
CKAP4	0.18312	1.58346	0.11	0.16	1	HC_vs_MS.NoTrt_F
TIMM44	0.18323	0.68332	0.673	0.77	1	HC_vs_MS.NoTrt_F
EXOC6	0.18327	0.45261	0.341	0.38	1	HC_vs_MS.NoTrt_F
HSD17B13	0.18331	0.65951	0.636	0.58	1	HC_vs_MS.NoTrt_F
WHSC1	0.18342	0.5212	0.74	0.74	1	HC_vs_MS.NoTrt_F
JOSD1	0.1835	0.4183	0.639	0.68	1	HC_vs_MS.NoTrt_F
CTIF	0.18352	0.3701	0.234	0.29	1	HC_vs_MS.NoTrt_F
CLEC7A	0.18368	0.88226	0.665	0.66	1	HC_vs_MS.NoTrt_F
PPIL4	0.1838	0.28646	0.277	0.34	1	HC_vs_MS.NoTrt_F
WDR59	0.18393	-0.3836	0.951	0.98	1	HC_vs_MS.NoTrt_F
CBLB	0.18398	1.12503	0.431	0.4	1	HC_vs_MS.NoTrt_F
C1orf186	0.18406	1.12905	0.587	0.69	1	HC_vs_MS.NoTrt_F
OSBPL7	0.18432	0.81391	0.116	0.16	1	HC_vs_MS.NoTrt_F
FLT4	0.18439	0.65109	0.124	0.17	1	HC_vs_MS.NoTrt_F
RP11-1212A	0.18441	0.25014	0.546	0.49	1	HC_vs_MS.NoTrt_F
ADGRE5	0.18448	0.54126	0.734	0.69	1	HC_vs_MS.NoTrt_F
HPF1	0.18473	0.93886	0.145	0.19	1	HC_vs_MS.NoTrt_F
PTPRM	0.18489	0.99146	0.225	0.29	1	HC_vs_MS.NoTrt_F
TMEM52B	0.18509	0.38474	0.801	0.79	1	HC_vs_MS.NoTrt_F
LMNB1	0.1851	0.30634	0.147	0.19	1	HC_vs_MS.NoTrt_F
UBC	0.18528	0.70412	0.578	0.55	1	HC_vs_MS.NoTrt_F
ATG14	0.18604	0.54629	0.72	0.66	1	HC_vs_MS.NoTrt_F
WDR33	0.18618	0.66263	0.266	0.33	1	HC_vs_MS.NoTrt_F

GSTZ1	0.18624	0.80268	0.595	0.54	1	HC_vs_MS.NoTrt_F
CCDC28B	0.18652	-0.4802	0.483	0.51	1	HC_vs_MS.NoTrt_F
C11orf71	0.1868	0.5999	0.118	0.16	1	HC_vs_MS.NoTrt_F
ZNF559-ZNF	0.18682	1.18968	0.069	0.11	1	HC_vs_MS.NoTrt_F
TUBG2	0.18703	-0.5329	0.147	0.19	1	HC_vs_MS.NoTrt_F
ZNF566	0.18704	-0.2986	0.934	0.87	1	HC_vs_MS.NoTrt_F
CHRNA3	0.18745	-0.3417	0.194	0.24	1	HC_vs_MS.NoTrt_F
LRRC58	0.18747	0.81852	0.731	0.74	1	HC_vs_MS.NoTrt_F
DDX25	0.18763	0.272	0.728	0.71	1	HC_vs_MS.NoTrt_F
GPAT4	0.18773	-0.2927	0.783	0.85	1	HC_vs_MS.NoTrt_F
TPD52L1	0.18832	0.57888	0.769	0.79	1	HC_vs_MS.NoTrt_F
PCBP1	0.1886	0.8223	0.561	0.56	1	HC_vs_MS.NoTrt_F
IFT80	0.18942	0.67436	0.792	0.79	1	HC_vs_MS.NoTrt_F
CYP2F1	0.18957	0.68876	0.185	0.24	1	HC_vs_MS.NoTrt_F
DERA	0.18958	0.66124	0.113	0.16	1	HC_vs_MS.NoTrt_F
PILRB	0.18967	0.4961	0.48	0.54	1	HC_vs_MS.NoTrt_F
HDDC3	0.18971	-1.0737	0.396	0.43	1	HC_vs_MS.NoTrt_F
MIOS	0.18975	0.63142	0.306	0.37	1	HC_vs_MS.NoTrt_F
TOM1L2	0.18975	0.47992	0.257	0.32	1	HC_vs_MS.NoTrt_F
STYXL1	0.18977	0.43621	0.306	0.35	1	HC_vs_MS.NoTrt_F
RAD23A	0.18988	-0.2802	0.766	0.77	1	HC_vs_MS.NoTrt_F
GMDS	0.19066	0.53673	0.194	0.25	1	HC_vs_MS.NoTrt_F
RPS6KB2	0.19078	-0.285	0.861	0.87	1	HC_vs_MS.NoTrt_F
PTRH1	0.19098	0.36729	0.777	0.74	1	HC_vs_MS.NoTrt_F
ATXN1L	0.19113	0.57372	0.127	0.17	1	HC_vs_MS.NoTrt_F
ITGAE	0.19135	-0.3427	0.601	0.67	1	HC_vs_MS.NoTrt_F
PDZK1	0.19155	0.48017	0.355	0.29	1	HC_vs_MS.NoTrt_F
EML2	0.19157	0.59603	0.714	0.68	1	HC_vs_MS.NoTrt_F
ACRC	0.1916	-0.3929	0.454	0.49	1	HC_vs_MS.NoTrt_F
LAP3	0.19185	0.71998	0.197	0.25	1	HC_vs_MS.NoTrt_F
GFI1B	0.19198	0.38262	0.581	0.64	1	HC_vs_MS.NoTrt_F
THBS4	0.19201	1.63067	0.078	0.12	1	HC_vs_MS.NoTrt_F
CXCR3	0.19234	0.43348	0.228	0.3	1	HC_vs_MS.NoTrt_F
BMP8A	0.19245	0.35244	0.668	0.71	1	HC_vs_MS.NoTrt_F
ZNF395	0.19251	0.92662	0.592	0.67	1	HC_vs_MS.NoTrt_F
ATAD1	0.19273	0.26779	0.173	0.23	1	HC_vs_MS.NoTrt_F
METTL8	0.19309	0.39252	0.948	0.93	1	HC_vs_MS.NoTrt_F
ZSCAN12	0.19312	1.44593	0.468	0.4	1	HC_vs_MS.NoTrt_F
GMEB2	0.19312	0.93773	0.13	0.17	1	HC_vs_MS.NoTrt_F
PLCH2	0.19334	2.73371	0.104	0.15	1	HC_vs_MS.NoTrt_F

BCAS1	0.19392	-1.0458	0.425	0.46	1	HC_vs_MS.NoTrt_F
EXD1	0.19416	0.30791	0.581	0.55	1	HC_vs_MS.NoTrt_F
NDUFV1	0.19426	0.25299	0.338	0.4	1	HC_vs_MS.NoTrt_F
AC025335.1	0.19437	-0.2838	0.685	0.58	1	HC_vs_MS.NoTrt_F
TMEM38B	0.19454	-0.5615	0.272	0.32	1	HC_vs_MS.NoTrt_F
U2AF2	0.19463	0.53809	0.243	0.3	1	HC_vs_MS.NoTrt_F
KMT2C	0.1947	0.3464	0.451	0.56	1	HC_vs_MS.NoTrt_F
PLPP2	0.19493	0.33243	0.919	0.87	1	HC_vs_MS.NoTrt_F
ABCF2	0.1952	0.43667	0.303	0.35	1	HC_vs_MS.NoTrt_F
ABHD17A	0.19524	0.46368	0.136	0.18	1	HC_vs_MS.NoTrt_F
LARP1	0.1956	-0.3668	0.275	0.33	1	HC_vs_MS.NoTrt_F
STX11	0.19569	0.83941	0.095	0.14	1	HC_vs_MS.NoTrt_F
TCEA3	0.1957	1.56798	0.084	0.12	1	HC_vs_MS.NoTrt_F
TMEM131	0.1957	0.34456	0.197	0.25	1	HC_vs_MS.NoTrt_F
THAP3	0.19573	0.29955	0.145	0.19	1	HC_vs_MS.NoTrt_F
MELTF	0.19581	0.42711	0.121	0.17	1	HC_vs_MS.NoTrt_F
LARP4B	0.19584	0.68645	0.283	0.36	1	HC_vs_MS.NoTrt_F
ATPAF2	0.19615	0.40788	0.503	0.56	1	HC_vs_MS.NoTrt_F
MED19	0.19632	1.45044	0.113	0.16	1	HC_vs_MS.NoTrt_F
AHSA2	0.1966	0.72582	0.283	0.34	1	HC_vs_MS.NoTrt_F
P2RX5-TAX1	0.19661	0.3296	0.887	0.87	1	HC_vs_MS.NoTrt_F
TRERF1	0.19681	0.57852	0.251	0.32	1	HC_vs_MS.NoTrt_F
COQ4	0.19722	0.62514	0.922	0.9	1	HC_vs_MS.NoTrt_F
ATP6V1H	0.1976	0.31378	0.434	0.5	1	HC_vs_MS.NoTrt_F
ASH2L	0.19766	-0.4041	0.633	0.67	1	HC_vs_MS.NoTrt_F
HMGXB3	0.19795	0.88296	0.223	0.27	1	HC_vs_MS.NoTrt_F
COG2	0.19797	0.93461	0.37	0.44	1	HC_vs_MS.NoTrt_F
PITPNB	0.19804	0.28923	0.228	0.29	1	HC_vs_MS.NoTrt_F
SPATA17	0.19812	0.25721	0.717	0.64	1	HC_vs_MS.NoTrt_F
NLK	0.19821	0.77986	0.37	0.31	1	HC_vs_MS.NoTrt_F
KLHL20	0.19842	0.2645	0.197	0.25	1	HC_vs_MS.NoTrt_F
CTD-2331H1	0.19854	-0.9121	0.217	0.27	1	HC_vs_MS.NoTrt_F
GCHFR	0.19863	0.66891	0.136	0.18	1	HC_vs_MS.NoTrt_F
COX8A	0.19866	0.27424	0.28	0.36	1	HC_vs_MS.NoTrt_F
FAM129C	0.19871	0.29392	0.89	0.85	1	HC_vs_MS.NoTrt_F
ENTPD7	0.19908	0.94204	0.384	0.44	1	HC_vs_MS.NoTrt_F
MFSD12	0.1992	0.28561	0.295	0.34	1	HC_vs_MS.NoTrt_F
PPAN	0.19945	0.36227	0.419	0.48	1	HC_vs_MS.NoTrt_F
PCDHA9	0.19951	0.36191	0.673	0.62	1	HC_vs_MS.NoTrt_F
GGCT	0.19993	1.06821	0.11	0.16	1	HC_vs_MS.NoTrt_F

PHB	0.2001	0.33018	0.199	0.25	1	HC_vs_MS.NoTrt_F
IFI44	0.20018	1.08417	0.104	0.14	1	HC_vs_MS.NoTrt_F
GRAMD3	0.20033	0.43464	0.757	0.86	1	HC_vs_MS.NoTrt_F
HINFP	0.20036	-0.5896	0.991	0.99	1	HC_vs_MS.NoTrt_F
PDCD1	0.20048	0.27752	0.127	0.17	1	HC_vs_MS.NoTrt_F
ITGAV	0.20067	0.60571	0.133	0.18	1	HC_vs_MS.NoTrt_F
SLC25A13	0.20077	0.70617	0.165	0.22	1	HC_vs_MS.NoTrt_F
WDR37	0.20085	0.8105	0.231	0.29	1	HC_vs_MS.NoTrt_F
ANKHD1	0.20104	0.32702	0.494	0.6	1	HC_vs_MS.NoTrt_F
CYBA	0.20127	0.56129	0.324	0.39	1	HC_vs_MS.NoTrt_F
LINC01420	0.20146	0.61497	0.223	0.28	1	HC_vs_MS.NoTrt_F
RAB30	0.20155	0.38849	0.382	0.43	1	HC_vs_MS.NoTrt_F
STOM	0.20164	1.09729	0.668	0.64	1	HC_vs_MS.NoTrt_F
FBXL8	0.20188	0.60592	0.618	0.64	1	HC_vs_MS.NoTrt_F
ZCCHC14	0.20191	0.99721	0.139	0.18	1	HC_vs_MS.NoTrt_F
OTUB1	0.20197	0.33764	0.931	0.98	1	HC_vs_MS.NoTrt_F
C12orf40	0.20236	-0.2853	0.298	0.36	1	HC_vs_MS.NoTrt_F
HEMGN	0.20249	-0.2532	0.15	0.2	1	HC_vs_MS.NoTrt_F
FBXW4	0.2025	0.25719	0.506	0.56	1	HC_vs_MS.NoTrt_F
AASDH	0.20265	0.72713	0.142	0.19	1	HC_vs_MS.NoTrt_F
TTC39B	0.20282	0.90496	0.838	0.77	1	HC_vs_MS.NoTrt_F
ZSWIM4	0.20289	1.19198	0.087	0.13	1	HC_vs_MS.NoTrt_F
THBS1	0.20302	-0.4925	0.263	0.3	1	HC_vs_MS.NoTrt_F
CCND2	0.20302	0.38618	0.465	0.59	1	HC_vs_MS.NoTrt_F
TBK1	0.20335	0.84029	0.127	0.17	1	HC_vs_MS.NoTrt_F
NKAP	0.20381	0.31467	0.951	0.94	1	HC_vs_MS.NoTrt_F
PANK2	0.20386	-0.8444	0.575	0.56	1	HC_vs_MS.NoTrt_F
IFT57	0.20405	0.83774	0.142	0.19	1	HC_vs_MS.NoTrt_F
AL354822.1	0.20421	0.6512	0.286	0.33	1	HC_vs_MS.NoTrt_F
PIK3C2A	0.20428	0.64338	0.431	0.48	1	HC_vs_MS.NoTrt_F
FKBP2	0.20456	0.93411	0.13	0.18	1	HC_vs_MS.NoTrt_F
TRANK1	0.20466	0.36731	0.263	0.32	1	HC_vs_MS.NoTrt_F
LIPC	0.20476	0.40152	0.332	0.39	1	HC_vs_MS.NoTrt_F
STXBP1	0.20483	0.83435	0.069	0.11	1	HC_vs_MS.NoTrt_F
OFD1	0.2051	0.81242	0.298	0.37	1	HC_vs_MS.NoTrt_F
TRIP4	0.20513	-0.4674	0.575	0.6	1	HC_vs_MS.NoTrt_F
SPAG4	0.20515	0.56435	0.28	0.35	1	HC_vs_MS.NoTrt_F
CCNC	0.20532	0.28663	0.624	0.69	1	HC_vs_MS.NoTrt_F
FAM193B	0.20533	0.55206	0.512	0.56	1	HC_vs_MS.NoTrt_F
CCNB1IP1	0.20589	0.28453	0.858	0.83	1	HC_vs_MS.NoTrt_F

HELLS	0.20594	-0.4419	0.841	0.85	1	HC_vs_MS.NoTrt_F
DIABLO	0.20599	-0.543	0.749	0.8	1	HC_vs_MS.NoTrt_F
WWTR1	0.20619	0.44567	0.474	0.52	1	HC_vs_MS.NoTrt_F
BICDL1	0.20626	0.44884	0.662	0.66	1	HC_vs_MS.NoTrt_F
NEUROD2	0.2064	0.40557	0.277	0.22	1	HC_vs_MS.NoTrt_F
C20orf194	0.2066	0.62827	0.344	0.41	1	HC_vs_MS.NoTrt_F
MLLT11	0.2066	0.28586	0.194	0.25	1	HC_vs_MS.NoTrt_F
AP1G2	0.20661	0.43218	0.731	0.74	1	HC_vs_MS.NoTrt_F
LBHD1	0.207	-0.2985	0.523	0.56	1	HC_vs_MS.NoTrt_F
SLC39A13	0.20708	0.76505	0.179	0.23	1	HC_vs_MS.NoTrt_F
TES	0.20708	-0.5288	0.87	0.89	1	HC_vs_MS.NoTrt_F
LIPE	0.20722	0.81772	0.396	0.44	1	HC_vs_MS.NoTrt_F
NR1D2	0.20739	0.29217	0.185	0.24	1	HC_vs_MS.NoTrt_F
LETM2	0.20751	0.35683	0.798	0.81	1	HC_vs_MS.NoTrt_F
ANGEL1	0.20768	0.58985	0.471	0.51	1	HC_vs_MS.NoTrt_F
LIN54	0.20776	-0.705	0.653	0.66	1	HC_vs_MS.NoTrt_F
TEX14	0.20795	1.13284	0.116	0.16	1	HC_vs_MS.NoTrt_F
HIST1H4C	0.20796	0.5924	0.387	0.51	1	HC_vs_MS.NoTrt_F
TAPT1	0.20803	0.39294	0.78	0.76	1	HC_vs_MS.NoTrt_F
AFAP1L1	0.20812	1.16873	0.569	0.48	1	HC_vs_MS.NoTrt_F
BANK1	0.20824	0.79856	0.197	0.25	1	HC_vs_MS.NoTrt_F
KBTBD2	0.20843	0.35215	0.72	0.69	1	HC_vs_MS.NoTrt_F
BRD7	0.20845	0.69609	0.673	0.63	1	HC_vs_MS.NoTrt_F
FAM76A	0.20875	-0.2741	0.855	0.85	1	HC_vs_MS.NoTrt_F
WSB2	0.20879	0.58618	0.832	0.85	1	HC_vs_MS.NoTrt_F
HIST1H2AG	0.20886	1.06074	0.37	0.42	1	HC_vs_MS.NoTrt_F
SLC5A3	0.20927	0.6312	0.162	0.21	1	HC_vs_MS.NoTrt_F
TFDP1	0.21039	0.43428	0.075	0.11	1	HC_vs_MS.NoTrt_F
HIPK3	0.21041	0.65917	0.179	0.23	1	HC_vs_MS.NoTrt_F
FAM101B	0.21042	0.80178	0.324	0.4	1	HC_vs_MS.NoTrt_F
BCDIN3D	0.21053	-0.8659	0.454	0.46	1	HC_vs_MS.NoTrt_F
NDUFS4	0.21055	0.34906	0.353	0.4	1	HC_vs_MS.NoTrt_F
BVES	0.21079	0.25518	0.772	0.75	1	HC_vs_MS.NoTrt_F
SLC41A1	0.2112	0.51254	0.179	0.23	1	HC_vs_MS.NoTrt_F
ZNF526	0.21126	-0.3235	0.532	0.56	1	HC_vs_MS.NoTrt_F
FBXO9	0.21158	-0.2558	0.803	0.84	1	HC_vs_MS.NoTrt_F
SMCR8	0.21162	0.68087	0.309	0.36	1	HC_vs_MS.NoTrt_F
FBXO5	0.2118	1.28927	0.431	0.49	1	HC_vs_MS.NoTrt_F
PLA2G2C	0.2119	0.34814	0.581	0.53	1	HC_vs_MS.NoTrt_F
MBNL3	0.21199	0.68784	0.15	0.2	1	HC_vs_MS.NoTrt_F

SRP72	0.21212	0.35198	0.295	0.35	1	HC_vs_MS.NoTrt_F
SUCLG1	0.21217	-0.3119	0.425	0.46	1	HC_vs_MS.NoTrt_F
C9orf64	0.21255	-0.6484	0.592	0.62	1	HC_vs_MS.NoTrt_F
ANKRD28	0.21256	0.91503	0.439	0.5	1	HC_vs_MS.NoTrt_F
GTF3C4	0.21275	0.5341	0.35	0.4	1	HC_vs_MS.NoTrt_F
LEMD3	0.21279	-0.6567	0.714	0.74	1	HC_vs_MS.NoTrt_F
SMN1	0.21284	0.25233	0.402	0.48	1	HC_vs_MS.NoTrt_F
UBR4	0.21309	0.25919	0.775	0.82	1	HC_vs_MS.NoTrt_F
UVRAG	0.2131	0.55042	0.41	0.46	1	HC_vs_MS.NoTrt_F
ACSM3	0.2133	0.32333	0.679	0.69	1	HC_vs_MS.NoTrt_F
PTGIS	0.21331	0.76981	0.746	0.75	1	HC_vs_MS.NoTrt_F
ARHGAP18	0.21336	0.56745	0.15	0.19	1	HC_vs_MS.NoTrt_F
SLC7A5	0.21344	0.25862	0.147	0.19	1	HC_vs_MS.NoTrt_F
MCRS1	0.21344	0.49637	0.217	0.28	1	HC_vs_MS.NoTrt_F
ZNF274	0.2136	-0.584	0.645	0.7	1	HC_vs_MS.NoTrt_F
PGAP3	0.21363	-0.7616	0.153	0.2	1	HC_vs_MS.NoTrt_F
ZDHHC20	0.21415	0.35729	0.526	0.56	1	HC_vs_MS.NoTrt_F
EPS8	0.2144	0.3322	0.488	0.54	1	HC_vs_MS.NoTrt_F
CCDC120	0.21458	1.40704	0.587	0.65	1	HC_vs_MS.NoTrt_F
CCDC163	0.21473	0.6506	0.616	0.55	1	HC_vs_MS.NoTrt_F
KDM4A	0.21481	0.38689	0.188	0.24	1	HC_vs_MS.NoTrt_F
ARSB	0.21529	0.62214	0.685	0.59	1	HC_vs_MS.NoTrt_F
MYBBP1A	0.21529	-0.3278	0.176	0.22	1	HC_vs_MS.NoTrt_F
IQCK	0.21557	-0.4906	0.231	0.28	1	HC_vs_MS.NoTrt_F
SARNP	0.21558	-0.3008	0.61	0.65	1	HC_vs_MS.NoTrt_F
ARMCX3	0.21657	0.59213	0.116	0.16	1	HC_vs_MS.NoTrt_F
TNFRSF10B	0.21677	0.41169	0.46	0.51	1	HC_vs_MS.NoTrt_F
ZNF318	0.2168	1.19097	0.711	0.7	1	HC_vs_MS.NoTrt_F
QRICH2	0.21682	0.5063	0.217	0.27	1	HC_vs_MS.NoTrt_F
PIPOX	0.2171	-0.3613	0.584	0.6	1	HC_vs_MS.NoTrt_F
ESF1	0.21714	-0.4482	0.205	0.25	1	HC_vs_MS.NoTrt_F
ELOVL1	0.21742	0.42656	0.205	0.26	1	HC_vs_MS.NoTrt_F
TMEM217	0.2175	0.54219	0.113	0.16	1	HC_vs_MS.NoTrt_F
LGALS9	0.21755	0.5838	0.298	0.36	1	HC_vs_MS.NoTrt_F
HOOK2	0.21792	0.25547	0.98	0.97	1	HC_vs_MS.NoTrt_F
CFD	0.21821	1.27397	0.197	0.24	1	HC_vs_MS.NoTrt_F
TFG	0.21843	0.26743	0.191	0.24	1	HC_vs_MS.NoTrt_F
WDTC1	0.21848	0.28972	0.399	0.44	1	HC_vs_MS.NoTrt_F
YAF2	0.21873	-0.4647	0.769	0.81	1	HC_vs_MS.NoTrt_F
MCM8	0.21879	-0.3541	0.78	0.72	1	HC_vs_MS.NoTrt_F

PIK3R4	0.21884	0.96774	0.182	0.23	1	HC_vs_MS.NoTrt_F
LRRC1	0.21887	-0.4565	0.306	0.35	1	HC_vs_MS.NoTrt_F
EIF2B4	0.21895	0.48848	0.54	0.61	1	HC_vs_MS.NoTrt_F
CC2D2A	0.21898	0.67843	0.257	0.31	1	HC_vs_MS.NoTrt_F
NEDD1	0.21926	0.68223	0.15	0.2	1	HC_vs_MS.NoTrt_F
GSDMA	0.21945	0.28034	0.734	0.68	1	HC_vs_MS.NoTrt_F
CINP	0.2196	0.40715	0.899	0.9	1	HC_vs_MS.NoTrt_F
LMF1	0.21971	0.78239	0.156	0.2	1	HC_vs_MS.NoTrt_F
RNASEL	0.21995	0.32725	0.39	0.45	1	HC_vs_MS.NoTrt_F
LIFR	0.22002	0.464	0.142	0.19	1	HC_vs_MS.NoTrt_F
POLH	0.22022	-0.3938	0.598	0.61	1	HC_vs_MS.NoTrt_F
TOP1	0.22044	0.40462	0.225	0.28	1	HC_vs_MS.NoTrt_F
CDKN1A	0.22073	0.41647	0.182	0.24	1	HC_vs_MS.NoTrt_F
FOPNL	0.22079	-0.2808	0.65	0.64	1	HC_vs_MS.NoTrt_F
RPP21	0.22117	0.34606	0.197	0.25	1	HC_vs_MS.NoTrt_F
PIK3AP1	0.22121	1.13514	0.147	0.19	1	HC_vs_MS.NoTrt_F
PEX13	0.22125	-0.7493	0.783	0.77	1	HC_vs_MS.NoTrt_F
MOB4	0.22143	-0.5469	0.419	0.44	1	HC_vs_MS.NoTrt_F
HPS3	0.22149	0.54663	0.341	0.37	1	HC_vs_MS.NoTrt_F
CXorf21	0.22157	-1.4175	0.355	0.41	1	HC_vs_MS.NoTrt_F
PXK	0.22205	0.57196	0.153	0.2	1	HC_vs_MS.NoTrt_F
RFC2	0.22252	0.37369	0.751	0.77	1	HC_vs_MS.NoTrt_F
RELT	0.22292	0.69577	0.11	0.16	1	HC_vs_MS.NoTrt_F
PIKFYVE	0.22303	0.55394	0.41	0.46	1	HC_vs_MS.NoTrt_F
INTS6	0.22321	-0.3973	0.954	0.96	1	HC_vs_MS.NoTrt_F
CAPN3	0.22352	-0.5628	0.098	0.13	1	HC_vs_MS.NoTrt_F
SLC48A1	0.22406	-0.5457	0.633	0.72	1	HC_vs_MS.NoTrt_F
GALNT11	0.22425	0.29526	0.512	0.44	1	HC_vs_MS.NoTrt_F
ATP7A	0.22439	0.82863	0.399	0.45	1	HC_vs_MS.NoTrt_F
GCDH	0.22452	0.27423	0.197	0.24	1	HC_vs_MS.NoTrt_F
DDAH2	0.22477	-0.5969	0.118	0.16	1	HC_vs_MS.NoTrt_F
ST3GAL5	0.22508	0.27517	0.295	0.35	1	HC_vs_MS.NoTrt_F
CTRC	0.2252	0.33487	0.702	0.7	1	HC_vs_MS.NoTrt_F
C2orf61	0.2259	-0.5727	0.15	0.19	1	HC_vs_MS.NoTrt_F
DSN1	0.2259	-0.6698	0.289	0.34	1	HC_vs_MS.NoTrt_F
RAB11FIP3	0.22595	0.69172	0.211	0.26	1	HC_vs_MS.NoTrt_F
CEP76	0.2261	0.42047	0.827	0.83	1	HC_vs_MS.NoTrt_F
SNX14	0.22613	-0.3687	0.59	0.62	1	HC_vs_MS.NoTrt_F
ATP5E	0.22632	0.47564	0.491	0.67	1	HC_vs_MS.NoTrt_F
PLEK	0.22646	2.31614	0.084	0.12	1	HC_vs_MS.NoTrt_F



ATP6V1B2	0.22663	-0.4327	0.711	0.75	1	HC_vs_MS.NoTrt_F
ALPK1	0.22681	0.60768	0.806	0.77	1	HC_vs_MS.NoTrt_F
TBL1X	0.22682	-0.4569	0.65	0.6	1	HC_vs_MS.NoTrt_F
AKT1	0.22716	0.806	0.254	0.31	1	HC_vs_MS.NoTrt_F
CLPX	0.22744	-0.9346	0.731	0.76	1	HC_vs_MS.NoTrt_F
PRCP	0.22745	0.65576	0.858	0.79	1	HC_vs_MS.NoTrt_F
RP11-6L6.2	0.22763	-0.3628	0.078	0.11	1	HC_vs_MS.NoTrt_F
STEAP3	0.22764	-0.7493	0.185	0.23	1	HC_vs_MS.NoTrt_F
ZNF714	0.2277	0.36899	0.96	0.93	1	HC_vs_MS.NoTrt_F
AP2A2	0.228	0.30441	0.757	0.7	1	HC_vs_MS.NoTrt_F
FAM133B	0.22811	-0.4982	0.798	0.81	1	HC_vs_MS.NoTrt_F
DNAH3	0.22816	-0.2715	0.538	0.54	1	HC_vs_MS.NoTrt_F
FAM96B	0.2284	0.27344	0.257	0.31	1	HC_vs_MS.NoTrt_F
DICER1	0.22885	-0.2869	0.237	0.28	1	HC_vs_MS.NoTrt_F
DROSHA	0.22916	0.43063	0.37	0.43	1	HC_vs_MS.NoTrt_F
TNRC6A	0.22946	0.34181	0.887	0.85	1	HC_vs_MS.NoTrt_F
GGT7	0.23022	0.47717	0.194	0.24	1	HC_vs_MS.NoTrt_F
LARGE1	0.23056	0.53974	0.613	0.6	1	HC_vs_MS.NoTrt_F
PZP	0.23095	1.34678	0.15	0.12	1	HC_vs_MS.NoTrt_F
PAK6	0.23099	0.39284	0.179	0.23	1	HC_vs_MS.NoTrt_F
URM1	0.23169	0.406	0.194	0.24	1	HC_vs_MS.NoTrt_F
GRAP	0.23179	0.39212	0.225	0.28	1	HC_vs_MS.NoTrt_F
PLEKHG3	0.23179	-0.5011	0.5	0.53	1	HC_vs_MS.NoTrt_F
IBA57	0.23183	1.13087	0.829	0.86	1	HC_vs_MS.NoTrt_F
HSBP1	0.23193	0.42828	0.639	0.7	1	HC_vs_MS.NoTrt_F
NARS2	0.232	-0.8835	0.448	0.49	1	HC_vs_MS.NoTrt_F
TBC1D12	0.23239	0.28895	0.445	0.4	1	HC_vs_MS.NoTrt_F
EDA	0.23276	-0.7599	0.428	0.48	1	HC_vs_MS.NoTrt_F
DHX35	0.2328	-0.4675	0.422	0.45	1	HC_vs_MS.NoTrt_F
FUT3	0.23282	-0.4461	0.228	0.27	1	HC_vs_MS.NoTrt_F
ZNF550	0.23339	-0.2822	0.344	0.38	1	HC_vs_MS.NoTrt_F
ASCC3	0.23391	0.38453	0.338	0.41	1	HC_vs_MS.NoTrt_F
SLC43A1	0.23395	0.26698	0.156	0.2	1	HC_vs_MS.NoTrt_F
RNF135	0.23444	0.81668	0.309	0.37	1	HC_vs_MS.NoTrt_F
ZNF543	0.2347	0.93005	0.607	0.69	1	HC_vs_MS.NoTrt_F
PPP4R3A	0.23484	0.2534	0.306	0.37	1	HC_vs_MS.NoTrt_F
RTN2	0.23493	0.53879	0.309	0.26	1	HC_vs_MS.NoTrt_F
METAP2	0.23495	-0.2864	0.477	0.55	1	HC_vs_MS.NoTrt_F
CKS1B	0.23517	0.50499	0.272	0.32	1	HC_vs_MS.NoTrt_F
INTS2	0.23518	-0.2585	0.298	0.34	1	HC_vs_MS.NoTrt_F

ACSBG1	0.23525	0.42693	0.428	0.5	1	HC_vs_MS.NoTrt_F
IL17RE	0.23525	0.66991	0.373	0.33	1	HC_vs_MS.NoTrt_F
EPHB1	0.2354	1.29058	0.087	0.12	1	HC_vs_MS.NoTrt_F
INTS4	0.2358	-0.344	0.413	0.44	1	HC_vs_MS.NoTrt_F
ZNF257	0.23586	0.40664	0.569	0.51	1	HC_vs_MS.NoTrt_F
PSMD11	0.2359	0.25364	0.558	0.59	1	HC_vs_MS.NoTrt_F
RINL	0.23591	-0.3286	0.763	0.77	1	HC_vs_MS.NoTrt_F
ALOX12	0.23609	0.49118	0.104	0.14	1	HC_vs_MS.NoTrt_F
MRPL43	0.23624	0.60541	0.185	0.24	1	HC_vs_MS.NoTrt_F
CD276	0.23671	0.50975	0.512	0.46	1	HC_vs_MS.NoTrt_F
GSTO2	0.23711	0.48074	0.896	0.92	1	HC_vs_MS.NoTrt_F
RTF1	0.23716	-0.4042	0.645	0.66	1	HC_vs_MS.NoTrt_F
FNIP1	0.2373	0.39186	0.587	0.67	1	HC_vs_MS.NoTrt_F
ASB6	0.23739	-0.548	0.691	0.69	1	HC_vs_MS.NoTrt_F
COMTD1	0.2375	0.34919	0.173	0.21	1	HC_vs_MS.NoTrt_F
HEG1	0.23763	1.20094	0.182	0.14	1	HC_vs_MS.NoTrt_F
FAM149A	0.23794	0.79212	0.379	0.42	1	HC_vs_MS.NoTrt_F
KHDRBS1	0.23795	0.67566	0.24	0.3	1	HC_vs_MS.NoTrt_F
DENND6B	0.23796	0.79169	0.399	0.34	1	HC_vs_MS.NoTrt_F
HLA-DRB3	0.23811	0.3068	0.188	0.24	1	HC_vs_MS.NoTrt_F
MIER2	0.23822	0.29037	0.509	0.54	1	HC_vs_MS.NoTrt_F
IKBKB	0.23843	-0.3018	0.864	0.9	1	HC_vs_MS.NoTrt_F
SLC20A2	0.23849	0.72875	0.179	0.23	1	HC_vs_MS.NoTrt_F
B3GALT4	0.2385	-0.8615	0.165	0.2	1	HC_vs_MS.NoTrt_F
ABCA2	0.23851	0.55221	0.341	0.39	1	HC_vs_MS.NoTrt_F
C3orf18	0.23855	0.72049	0.315	0.35	1	HC_vs_MS.NoTrt_F
CCSAP	0.23874	0.77752	0.188	0.24	1	HC_vs_MS.NoTrt_F
MRPS12	0.23908	-0.3358	0.436	0.48	1	HC_vs_MS.NoTrt_F
KMT5B	0.23919	0.45128	0.353	0.4	1	HC_vs_MS.NoTrt_F
ABCC4	0.23932	0.39709	0.789	0.81	1	HC_vs_MS.NoTrt_F
WHAMM	0.23934	0.25916	0.873	0.87	1	HC_vs_MS.NoTrt_F
CUL1	0.23997	0.87741	0.237	0.3	1	HC_vs_MS.NoTrt_F
LST1	0.24018	0.88307	0.272	0.33	1	HC_vs_MS.NoTrt_F
KIAA0141	0.24059	0.50347	0.249	0.3	1	HC_vs_MS.NoTrt_F
C16orf87	0.24133	-0.2752	0.812	0.85	1	HC_vs_MS.NoTrt_F
DHX15	0.24144	0.59194	0.54	0.59	1	HC_vs_MS.NoTrt_F
SCARB2	0.2416	0.25736	0.341	0.4	1	HC_vs_MS.NoTrt_F
PACS1	0.2416	0.5502	0.853	0.85	1	HC_vs_MS.NoTrt_F
LRPAP1	0.24165	-0.2994	0.887	0.9	1	HC_vs_MS.NoTrt_F
HLA-F	0.24169	0.50132	0.592	0.67	1	HC_vs_MS.NoTrt_F

CTSL	0.24204	0.44096	0.078	0.11	1	HC_vs_MS.NoTrt_F
NMT1	0.24225	-0.4643	0.367	0.42	1	HC_vs_MS.NoTrt_F
PPP5C	0.24233	0.65895	0.558	0.51	1	HC_vs_MS.NoTrt_F
GTF3C3	0.2424	0.4539	0.699	0.72	1	HC_vs_MS.NoTrt_F
APOBR	0.24254	0.39827	0.176	0.23	1	HC_vs_MS.NoTrt_F
BAZ2A	0.24311	1.0718	0.731	0.71	1	HC_vs_MS.NoTrt_F
H2AFJ	0.24312	0.79874	0.15	0.19	1	HC_vs_MS.NoTrt_F
GPATCH11	0.24315	-0.361	0.535	0.59	1	HC_vs_MS.NoTrt_F
FDXACB1	0.2432	-0.3418	0.445	0.51	1	HC_vs_MS.NoTrt_F
C21orf33	0.24327	0.30873	0.416	0.46	1	HC_vs_MS.NoTrt_F
ORAI1	0.24328	0.5456	0.121	0.16	1	HC_vs_MS.NoTrt_F
IDNK	0.24341	-0.8123	0.454	0.48	1	HC_vs_MS.NoTrt_F
ARL16	0.24349	-0.4002	0.783	0.8	1	HC_vs_MS.NoTrt_F
PNN	0.24351	0.36572	0.301	0.37	1	HC_vs_MS.NoTrt_F
MEX3C	0.24362	0.61176	0.124	0.17	1	HC_vs_MS.NoTrt_F
ZNF350	0.24374	-1.1764	0.595	0.62	1	HC_vs_MS.NoTrt_F
RRP8	0.24376	0.27865	0.529	0.45	1	HC_vs_MS.NoTrt_F
SPTLC3	0.2439	0.53811	0.575	0.56	1	HC_vs_MS.NoTrt_F
LILRB3	0.24397	-0.682	0.162	0.2	1	HC_vs_MS.NoTrt_F
APBB3	0.24398	0.71772	0.202	0.25	1	HC_vs_MS.NoTrt_F
TEKT3	0.24398	0.26289	0.179	0.23	1	HC_vs_MS.NoTrt_F
CPA4	0.24415	0.25529	0.584	0.51	1	HC_vs_MS.NoTrt_F
PSMD14	0.24418	0.26674	0.179	0.23	1	HC_vs_MS.NoTrt_F
CXCR2	0.24464	0.72785	0.341	0.38	1	HC_vs_MS.NoTrt_F
IMMT	0.24465	-0.5423	0.486	0.54	1	HC_vs_MS.NoTrt_F
MICAL2	0.24471	0.86781	0.89	0.86	1	HC_vs_MS.NoTrt_F
SLC39A5	0.24474	0.68921	0.24	0.29	1	HC_vs_MS.NoTrt_F
NHP2	0.24475	0.33153	0.266	0.31	1	HC_vs_MS.NoTrt_F
SHROOM3	0.2448	0.25242	0.327	0.29	1	HC_vs_MS.NoTrt_F
EPPK1	0.24491	1.41059	0.101	0.14	1	HC_vs_MS.NoTrt_F
SETD1A	0.24503	2.19993	0.168	0.13	1	HC_vs_MS.NoTrt_F
ORC1	0.24503	0.90074	0.303	0.27	1	HC_vs_MS.NoTrt_F
AP1S3	0.24583	0.27535	0.951	0.95	1	HC_vs_MS.NoTrt_F
GDPGP1	0.24593	0.27711	0.948	0.96	1	HC_vs_MS.NoTrt_F
CDH26	0.24618	0.74118	0.173	0.22	1	HC_vs_MS.NoTrt_F
UTP6	0.24622	-0.2796	0.899	0.91	1	HC_vs_MS.NoTrt_F
DUS3L	0.24653	0.59642	0.188	0.24	1	HC_vs_MS.NoTrt_F
PBRM1	0.24662	0.40505	0.725	0.79	1	HC_vs_MS.NoTrt_F
DTD1	0.24689	-0.7973	0.382	0.4	1	HC_vs_MS.NoTrt_F
ATP13A3	0.24699	0.51615	0.173	0.22	1	HC_vs_MS.NoTrt_F

APAF1	0.24702	-0.6323	0.676	0.68	1	HC_vs_MS.NoTrt_F
AXL	0.24749	-0.4122	0.772	0.79	1	HC_vs_MS.NoTrt_F
CAPN7	0.24752	-0.2645	0.624	0.63	1	HC_vs_MS.NoTrt_F
S100A4	0.24816	0.38442	0.757	0.9	1	HC_vs_MS.NoTrt_F
WNK1	0.24831	0.26378	0.613	0.72	1	HC_vs_MS.NoTrt_F
ALO22397.1	0.24853	0.29001	0.292	0.37	1	HC_vs_MS.NoTrt_F
SOCS1	0.24855	0.54519	0.139	0.19	1	HC_vs_MS.NoTrt_F
UBE2V2	0.24895	-0.3987	0.734	0.77	1	HC_vs_MS.NoTrt_F
NEK1	0.24896	0.35321	0.402	0.45	1	HC_vs_MS.NoTrt_F
OPN3	0.24899	-0.7347	0.263	0.3	1	HC_vs_MS.NoTrt_F
SLC8A1	0.24924	0.80699	0.347	0.29	1	HC_vs_MS.NoTrt_F
RAI1	0.24929	0.55287	0.234	0.29	1	HC_vs_MS.NoTrt_F
AVPR1A	0.24953	0.6625	0.246	0.2	1	HC_vs_MS.NoTrt_F
BCAP29	0.24955	-0.6533	0.41	0.48	1	HC_vs_MS.NoTrt_F
WASL	0.24967	0.37386	0.136	0.18	1	HC_vs_MS.NoTrt_F
KAT2B	0.25104	0.44893	0.315	0.39	1	HC_vs_MS.NoTrt_F
JAZF1	0.25133	0.93519	0.194	0.24	1	HC_vs_MS.NoTrt_F
TBC1D22A	0.25167	0.26027	0.572	0.62	1	HC_vs_MS.NoTrt_F
ATP7B	0.25204	1.29209	0.197	0.24	1	HC_vs_MS.NoTrt_F
PGM2L1	0.2522	-0.3242	0.546	0.6	1	HC_vs_MS.NoTrt_F
IL13RA1	0.25238	0.29033	0.329	0.39	1	HC_vs_MS.NoTrt_F
LAMP3	0.25276	0.48435	0.494	0.55	1	HC_vs_MS.NoTrt_F
MADD	0.25325	0.48952	0.283	0.35	1	HC_vs_MS.NoTrt_F
TUFT1	0.25341	-0.6534	0.396	0.44	1	HC_vs_MS.NoTrt_F
WNK3	0.25352	-0.3297	0.405	0.34	1	HC_vs_MS.NoTrt_F
MYH3	0.25398	0.59154	0.699	0.68	1	HC_vs_MS.NoTrt_F
FAHD2A	0.2543	0.6988	0.199	0.24	1	HC_vs_MS.NoTrt_F
KDELC2	0.25466	-0.5018	0.65	0.58	1	HC_vs_MS.NoTrt_F
ARL10	0.25505	-0.2502	0.922	0.85	1	HC_vs_MS.NoTrt_F
C9orf131	0.25511	-0.3026	0.182	0.22	1	HC_vs_MS.NoTrt_F
HRH2	0.25547	-0.4567	0.136	0.17	1	HC_vs_MS.NoTrt_F
MXD4	0.25601	0.49601	0.254	0.3	1	HC_vs_MS.NoTrt_F
MCEE	0.25631	0.5413	0.214	0.26	1	HC_vs_MS.NoTrt_F
GNA15	0.25665	0.75544	0.081	0.12	1	HC_vs_MS.NoTrt_F
GPNMB	0.25676	0.26146	0.734	0.69	1	HC_vs_MS.NoTrt_F
MSRB1	0.25689	-0.3596	0.13	0.17	1	HC_vs_MS.NoTrt_F
HIST4H4	0.25701	-0.3102	0.561	0.61	1	HC_vs_MS.NoTrt_F
C15orf38-AF	0.25733	-0.8334	0.402	0.43	1	HC_vs_MS.NoTrt_F
PPIL2	0.25747	0.58115	0.454	0.49	1	HC_vs_MS.NoTrt_F
C14orf1	0.25792	-0.3023	0.306	0.34	1	HC_vs_MS.NoTrt_F

NCOA6	0.25799	0.39718	0.728	0.81	1	HC_vs_MS.NoTrt_F
TMEM168	0.2581	0.49513	0.592	0.51	1	HC_vs_MS.NoTrt_F
TMEM65	0.25825	0.34481	0.777	0.7	1	HC_vs_MS.NoTrt_F
NSMCE4A	0.25844	0.36918	0.379	0.42	1	HC_vs_MS.NoTrt_F
TMED8	0.25896	0.58234	0.642	0.66	1	HC_vs_MS.NoTrt_F
CDC42BPG	0.25915	0.80987	0.616	0.56	1	HC_vs_MS.NoTrt_F
BRCA2	0.25958	-0.298	0.393	0.43	1	HC_vs_MS.NoTrt_F
LGALS1	0.25974	0.6353	0.477	0.47	1	HC_vs_MS.NoTrt_F
ERCC3	0.26013	-0.2991	0.434	0.48	1	HC_vs_MS.NoTrt_F
ARFGAP2	0.26043	-0.2671	0.566	0.64	1	HC_vs_MS.NoTrt_F
RGPD3	0.26066	0.38005	0.104	0.14	1	HC_vs_MS.NoTrt_F
LCLAT1	0.26078	0.36263	0.835	0.85	1	HC_vs_MS.NoTrt_F
WISP2	0.26105	0.5245	0.685	0.61	1	HC_vs_MS.NoTrt_F
LRRC8A	0.26125	-0.354	0.173	0.21	1	HC_vs_MS.NoTrt_F
STT3B	0.26148	0.77545	0.618	0.58	1	HC_vs_MS.NoTrt_F
TMEM91	0.26168	0.58631	0.598	0.56	1	HC_vs_MS.NoTrt_F
LILRB5	0.26177	0.4804	0.379	0.43	1	HC_vs_MS.NoTrt_F
DOPEY1	0.26186	0.6304	0.327	0.38	1	HC_vs_MS.NoTrt_F
ALDH1B1	0.26186	-0.3113	0.662	0.67	1	HC_vs_MS.NoTrt_F
ZSWIM1	0.26208	0.74562	0.734	0.72	1	HC_vs_MS.NoTrt_F
ITSN1	0.26224	0.50119	0.936	0.92	1	HC_vs_MS.NoTrt_F
FMNL3	0.26228	0.52341	0.431	0.39	1	HC_vs_MS.NoTrt_F
GPM6B	0.26277	0.35059	0.171	0.21	1	HC_vs_MS.NoTrt_F
TXNL4A	0.26297	0.55041	0.572	0.53	1	HC_vs_MS.NoTrt_F
MOBP	0.26304	0.25387	0.656	0.6	1	HC_vs_MS.NoTrt_F
KIF3A	0.26382	0.33914	0.786	0.72	1	HC_vs_MS.NoTrt_F
GOSR2	0.26385	1.10779	0.171	0.22	1	HC_vs_MS.NoTrt_F
RBP7	0.26395	1.12912	0.376	0.32	1	HC_vs_MS.NoTrt_F
LHFP	0.26396	1.05346	0.26	0.23	1	HC_vs_MS.NoTrt_F
PLEKHA5	0.26432	-0.4276	0.945	0.95	1	HC_vs_MS.NoTrt_F
GNB1L	0.26447	0.42971	0.292	0.33	1	HC_vs_MS.NoTrt_F
HINT3	0.26453	-0.6104	0.303	0.35	1	HC_vs_MS.NoTrt_F
AL928654.7	0.26455	0.40825	0.078	0.11	1	HC_vs_MS.NoTrt_F
IL3RA	0.26468	1.41453	0.121	0.16	1	HC_vs_MS.NoTrt_F
PNISR	0.26473	0.34326	0.555	0.67	1	HC_vs_MS.NoTrt_F
BRAF	0.26476	0.70995	0.191	0.24	1	HC_vs_MS.NoTrt_F
NDC80	0.26481	-0.5356	0.743	0.77	1	HC_vs_MS.NoTrt_F
PCTP	0.26483	0.40693	0.442	0.49	1	HC_vs_MS.NoTrt_F
RP11-1035H	0.26486	0.43367	0.153	0.19	1	HC_vs_MS.NoTrt_F
RMND5B	0.26489	0.58824	0.682	0.64	1	HC_vs_MS.NoTrt_F

KCTD20	0.26504	0.4584	0.685	0.72	1	HC_vs_MS.NoTrt_F
EBPL	0.26508	0.32828	0.717	0.71	1	HC_vs_MS.NoTrt_F
ZNF609	0.26511	-0.6406	0.621	0.66	1	HC_vs_MS.NoTrt_F
TCTA	0.26526	0.68343	0.633	0.64	1	HC_vs_MS.NoTrt_F
ZNF331	0.26534	0.56077	0.757	0.78	1	HC_vs_MS.NoTrt_F
KLHL24	0.26535	-0.4769	0.882	0.88	1	HC_vs_MS.NoTrt_F
MBOAT7	0.2654	0.74676	0.139	0.18	1	HC_vs_MS.NoTrt_F
INPP5K	0.26544	-0.2765	0.621	0.69	1	HC_vs_MS.NoTrt_F
FASTKD5	0.26607	-0.312	0.159	0.2	1	HC_vs_MS.NoTrt_F
EMC10	0.26629	-0.2518	0.864	0.87	1	HC_vs_MS.NoTrt_F
TMEM216	0.26638	-0.4521	0.471	0.52	1	HC_vs_MS.NoTrt_F
AGPAT5	0.26694	0.59298	0.127	0.17	1	HC_vs_MS.NoTrt_F
DEPDC5	0.26718	-0.4779	0.777	0.81	1	HC_vs_MS.NoTrt_F
SLC16A3	0.26724	0.77779	0.595	0.55	1	HC_vs_MS.NoTrt_F
NKPD1	0.26724	0.3368	0.098	0.13	1	HC_vs_MS.NoTrt_F
MGST3	0.26748	-0.3185	0.902	0.89	1	HC_vs_MS.NoTrt_F
CXADR	0.26768	-0.8831	0.289	0.34	1	HC_vs_MS.NoTrt_F
ANKRD44	0.26836	0.29825	0.864	0.91	1	HC_vs_MS.NoTrt_F
SEC14L4	0.26845	0.61124	0.613	0.56	1	HC_vs_MS.NoTrt_F
QSOX2	0.26865	0.39878	0.194	0.24	1	HC_vs_MS.NoTrt_F
CAMK1D	0.26866	-0.2841	0.855	0.84	1	HC_vs_MS.NoTrt_F
ZNF655	0.26869	0.2652	0.616	0.69	1	HC_vs_MS.NoTrt_F
SLC38A6	0.26919	0.50998	0.671	0.67	1	HC_vs_MS.NoTrt_F
HYKK	0.26929	0.54815	0.89	0.89	1	HC_vs_MS.NoTrt_F
SLC9A6	0.26948	-0.3949	0.462	0.54	1	HC_vs_MS.NoTrt_F
ZNF782	0.26974	1.3323	0.147	0.19	1	HC_vs_MS.NoTrt_F
NUDT9	0.26976	-0.2879	0.662	0.59	1	HC_vs_MS.NoTrt_F
C6orf25	0.26989	0.55523	0.506	0.55	1	HC_vs_MS.NoTrt_F
SCG3	0.26991	0.28182	0.26	0.32	1	HC_vs_MS.NoTrt_F
CCDC169	0.27013	0.44108	0.636	0.61	1	HC_vs_MS.NoTrt_F
SNRNP27	0.2704	0.59114	0.277	0.34	1	HC_vs_MS.NoTrt_F
FEM1B	0.27042	0.28392	0.124	0.16	1	HC_vs_MS.NoTrt_F
GSTT1	0.27053	0.33504	0.74	0.81	1	HC_vs_MS.NoTrt_F
CLCN3	0.2709	-0.3755	0.399	0.44	1	HC_vs_MS.NoTrt_F
NOCT	0.27104	0.40008	0.728	0.71	1	HC_vs_MS.NoTrt_F
C15orf52	0.27115	0.51038	0.425	0.48	1	HC_vs_MS.NoTrt_F
JARID2	0.27131	-0.6591	0.26	0.3	1	HC_vs_MS.NoTrt_F
MAP1LC3A	0.27131	0.41637	0.098	0.13	1	HC_vs_MS.NoTrt_F
SASH1	0.27161	1.0606	0.399	0.34	1	HC_vs_MS.NoTrt_F
RPP38	0.27165	-0.7318	0.465	0.5	1	HC_vs_MS.NoTrt_F

SERPINB1	0.27173	-0.2585	0.723	0.72	1	HC_vs_MS.NoTrt_F
FCRL2	0.27177	0.73155	0.723	0.67	1	HC_vs_MS.NoTrt_F
ZNF652	0.27207	-0.5635	0.581	0.61	1	HC_vs_MS.NoTrt_F
NUP43	0.2722	0.31327	0.905	0.85	1	HC_vs_MS.NoTrt_F
3-Sep	0.27222	0.7253	0.075	0.11	1	HC_vs_MS.NoTrt_F
PDCD7	0.27242	0.57006	0.549	0.48	1	HC_vs_MS.NoTrt_F
ATG13	0.27278	0.3831	0.89	0.84	1	HC_vs_MS.NoTrt_F
CLVS1	0.27334	0.25302	0.685	0.66	1	HC_vs_MS.NoTrt_F
KIAA0930	0.27374	0.83863	0.691	0.64	1	HC_vs_MS.NoTrt_F
ETFDH	0.27385	0.34352	0.74	0.74	1	HC_vs_MS.NoTrt_F
RALGPS2	0.27407	0.48624	0.37	0.41	1	HC_vs_MS.NoTrt_F
USF1	0.27436	-1.2134	0.223	0.25	1	HC_vs_MS.NoTrt_F
PRDX5	0.27457	0.55105	0.286	0.36	1	HC_vs_MS.NoTrt_F
NPIPA7	0.27495	0.31091	0.182	0.23	1	HC_vs_MS.NoTrt_F
IMPDH2	0.27574	0.27642	0.225	0.28	1	HC_vs_MS.NoTrt_F
SLC2A5	0.2758	0.28644	0.74	0.72	1	HC_vs_MS.NoTrt_F
VAV1	0.27673	0.29807	0.876	0.91	1	HC_vs_MS.NoTrt_F
CST3	0.27683	1.55964	0.153	0.12	1	HC_vs_MS.NoTrt_F
DLEC1	0.2772	0.49126	0.514	0.54	1	HC_vs_MS.NoTrt_F
STPG1	0.27759	-0.2772	0.801	0.81	1	HC_vs_MS.NoTrt_F
KIAA1109	0.27786	-0.2576	0.373	0.43	1	HC_vs_MS.NoTrt_F
COPA	0.2779	-0.3065	0.35	0.39	1	HC_vs_MS.NoTrt_F
ZNF316	0.27835	-1.1066	0.627	0.53	1	HC_vs_MS.NoTrt_F
SLC9A8	0.2784	0.31839	0.26	0.31	1	HC_vs_MS.NoTrt_F
VWA2	0.27846	-0.3834	0.78	0.79	1	HC_vs_MS.NoTrt_F
CES3	0.27864	0.25938	0.327	0.39	1	HC_vs_MS.NoTrt_F
SERPINB10	0.27886	0.27319	0.448	0.43	1	HC_vs_MS.NoTrt_F
MAN1C1	0.27897	0.45242	0.905	0.85	1	HC_vs_MS.NoTrt_F
F11R	0.27913	0.80696	0.691	0.66	1	HC_vs_MS.NoTrt_F
C17orf105	0.27934	0.2549	0.74	0.73	1	HC_vs_MS.NoTrt_F
NDST2	0.27945	1.1322	0.124	0.16	1	HC_vs_MS.NoTrt_F
BSPRY	0.27968	0.76799	0.11	0.14	1	HC_vs_MS.NoTrt_F
APEX1	0.27974	0.69125	0.211	0.26	1	HC_vs_MS.NoTrt_F
RINT1	0.27995	-0.4322	0.569	0.62	1	HC_vs_MS.NoTrt_F
MRPS26	0.28007	0.44271	0.194	0.23	1	HC_vs_MS.NoTrt_F
ATG2B	0.28018	0.35579	0.39	0.43	1	HC_vs_MS.NoTrt_F
HLA-DPA1	0.28032	0.28484	0.309	0.36	1	HC_vs_MS.NoTrt_F
COLEC11	0.28046	0.26738	0.393	0.45	1	HC_vs_MS.NoTrt_F
GTF2H2C.2	0.28065	0.60047	0.289	0.34	1	HC_vs_MS.NoTrt_F
RP11-644F5	0.28139	-0.358	0.731	0.67	1	HC_vs_MS.NoTrt_F

ZKSCAN8	0.28142	1.42268	0.303	0.38	1	HC_vs_MS.NoTrt_F
KCMF1	0.28165	0.56442	0.54	0.55	1	HC_vs_MS.NoTrt_F
CLK3	0.28194	-0.2998	0.818	0.83	1	HC_vs_MS.NoTrt_F
BCL2L1	0.28206	0.7242	0.318	0.28	1	HC_vs_MS.NoTrt_F
SMAD4	0.28209	0.28521	0.512	0.53	1	HC_vs_MS.NoTrt_F
DCLK1	0.28244	0.89555	0.361	0.4	1	HC_vs_MS.NoTrt_F
KIAA0040	0.28247	0.49238	0.211	0.26	1	HC_vs_MS.NoTrt_F
CSNK1G2	0.28247	-0.2793	0.133	0.17	1	HC_vs_MS.NoTrt_F
NUMA1	0.28258	0.38051	0.893	0.87	1	HC_vs_MS.NoTrt_F
SREBF2	0.28298	0.44701	0.22	0.27	1	HC_vs_MS.NoTrt_F
CLK2	0.28379	1.19946	0.202	0.17	1	HC_vs_MS.NoTrt_F
ADSL	0.28389	-0.3607	0.873	0.89	1	HC_vs_MS.NoTrt_F
CD59	0.28394	-0.5092	0.757	0.79	1	HC_vs_MS.NoTrt_F
AGBL2	0.28403	0.48753	0.28	0.32	1	HC_vs_MS.NoTrt_F
LSM3	0.28442	0.40836	0.624	0.65	1	HC_vs_MS.NoTrt_F
CD302	0.28462	0.26998	0.425	0.35	1	HC_vs_MS.NoTrt_F
TENM1	0.28474	1.03102	0.139	0.18	1	HC_vs_MS.NoTrt_F
NUDCD2	0.28555	-0.5676	0.786	0.76	1	HC_vs_MS.NoTrt_F
SLAMF7	0.28557	0.47121	0.477	0.46	1	HC_vs_MS.NoTrt_F
CRTC3	0.28564	0.25029	0.575	0.63	1	HC_vs_MS.NoTrt_F
RPS6KA3	0.28564	-0.3244	0.535	0.6	1	HC_vs_MS.NoTrt_F
PHF7	0.28588	1.02849	0.523	0.49	1	HC_vs_MS.NoTrt_F
SOCS7	0.28606	0.96618	0.439	0.51	1	HC_vs_MS.NoTrt_F
CCNF	0.28614	-0.8946	0.503	0.53	1	HC_vs_MS.NoTrt_F
AKR1B10	0.28638	0.39841	0.488	0.51	1	HC_vs_MS.NoTrt_F
RPN1	0.28647	0.39953	0.76	0.78	1	HC_vs_MS.NoTrt_F
NME4	0.28654	0.2937	0.168	0.2	1	HC_vs_MS.NoTrt_F
YIPF1	0.28667	1.4102	0.124	0.16	1	HC_vs_MS.NoTrt_F
VPS39	0.28702	-0.5271	0.538	0.56	1	HC_vs_MS.NoTrt_F
ARPC1A	0.28727	0.49098	0.332	0.38	1	HC_vs_MS.NoTrt_F
STK26	0.28745	0.6765	0.147	0.19	1	HC_vs_MS.NoTrt_F
GCSAML	0.28752	0.65158	0.338	0.39	1	HC_vs_MS.NoTrt_F
GTF2E2	0.28859	0.26542	0.639	0.7	1	HC_vs_MS.NoTrt_F
MTFR1L	0.28874	-0.288	0.578	0.59	1	HC_vs_MS.NoTrt_F
TBC1D19	0.28946	0.6068	0.153	0.19	1	HC_vs_MS.NoTrt_F
SFXN5	0.28951	0.41838	0.945	0.95	1	HC_vs_MS.NoTrt_F
ZNF620	0.2899	-0.2559	0.754	0.81	1	HC_vs_MS.NoTrt_F
RRP9	0.28994	0.94766	0.118	0.16	1	HC_vs_MS.NoTrt_F
DCAF11	0.29004	-0.2611	0.847	0.85	1	HC_vs_MS.NoTrt_F
ACSF2	0.29028	0.4208	0.561	0.54	1	HC_vs_MS.NoTrt_F



IGHMBP2	0.29079	0.54424	0.402	0.43	1	HC_vs_MS.NoTrt_F
OSMR	0.29121	0.75962	0.584	0.63	1	HC_vs_MS.NoTrt_F
APOBEC3C	0.29151	0.57558	0.777	0.85	1	HC_vs_MS.NoTrt_F
UNC45A	0.29181	0.2798	0.737	0.72	1	HC_vs_MS.NoTrt_F
TSPYL4	0.29181	0.83418	0.168	0.21	1	HC_vs_MS.NoTrt_F
EPG5	0.2921	0.42937	0.564	0.6	1	HC_vs_MS.NoTrt_F
ZNF805	0.29214	0.8201	0.832	0.79	1	HC_vs_MS.NoTrt_F
WDFY1	0.29306	-0.2994	0.39	0.43	1	HC_vs_MS.NoTrt_F
ZNF781	0.29332	-0.428	0.301	0.35	1	HC_vs_MS.NoTrt_F
PIGW	0.29388	0.34783	0.477	0.43	1	HC_vs_MS.NoTrt_F
IL18R1	0.29404	0.40965	0.142	0.18	1	HC_vs_MS.NoTrt_F
TPK1	0.29413	0.49535	0.396	0.44	1	HC_vs_MS.NoTrt_F
ZKSCAN7	0.29458	0.34109	0.647	0.58	1	HC_vs_MS.NoTrt_F
CLSPN	0.29466	0.26871	0.91	0.91	1	HC_vs_MS.NoTrt_F
CTNND1	0.29468	0.98182	0.483	0.45	1	HC_vs_MS.NoTrt_F
GPR89B	0.29483	0.32561	0.402	0.44	1	HC_vs_MS.NoTrt_F
OAS1	0.29532	-0.301	0.584	0.58	1	HC_vs_MS.NoTrt_F
LA16c-431H	0.2956	0.72073	0.555	0.51	1	HC_vs_MS.NoTrt_F
CFP	0.29617	1.14544	0.422	0.38	1	HC_vs_MS.NoTrt_F
CCDC88B	0.29641	0.71183	0.766	0.84	1	HC_vs_MS.NoTrt_F
CAV2	0.29663	0.44242	0.61	0.58	1	HC_vs_MS.NoTrt_F
MON2	0.29703	0.55788	0.431	0.49	1	HC_vs_MS.NoTrt_F
MSI2	0.29709	0.40352	0.942	0.91	1	HC_vs_MS.NoTrt_F
TP53RK	0.29722	0.3065	0.266	0.31	1	HC_vs_MS.NoTrt_F
C10orf128	0.29726	-0.2657	0.142	0.18	1	HC_vs_MS.NoTrt_F
OSBP2	0.2973	-0.3826	0.468	0.52	1	HC_vs_MS.NoTrt_F
HIST1H2BE	0.29795	0.39306	0.335	0.39	1	HC_vs_MS.NoTrt_F
SCAMP3	0.29806	0.27503	0.251	0.31	1	HC_vs_MS.NoTrt_F
AHR	0.29849	0.52003	0.688	0.66	1	HC_vs_MS.NoTrt_F
CRACR2A	0.29894	-0.3377	0.694	0.71	1	HC_vs_MS.NoTrt_F
MTHFD2	0.29928	-0.4152	0.717	0.75	1	HC_vs_MS.NoTrt_F
TIMM23B	0.2994	0.48151	0.647	0.66	1	HC_vs_MS.NoTrt_F
ZNF683	0.2995	2.07889	0.075	0.11	1	HC_vs_MS.NoTrt_F
ZNF264	0.30016	0.59955	0.957	0.95	1	HC_vs_MS.NoTrt_F
PAWR	0.3004	0.45437	0.72	0.73	1	HC_vs_MS.NoTrt_F
OGFOD1	0.30043	-0.5021	0.679	0.69	1	HC_vs_MS.NoTrt_F
RBM12	0.30065	0.8202	0.289	0.27	1	HC_vs_MS.NoTrt_F
TTC7A	0.30104	0.70048	0.249	0.3	1	HC_vs_MS.NoTrt_F
ZNRF1	0.30121	0.83947	0.344	0.31	1	HC_vs_MS.NoTrt_F
FAM175A	0.3017	0.26033	0.867	0.88	1	HC_vs_MS.NoTrt_F

GTPBP8	0.30201	-0.4907	0.702	0.74	1	HC_vs_MS.NoTrt_F
GOLGA6L22	0.30207	0.29119	0.434	0.41	1	HC_vs_MS.NoTrt_F
UQCC3	0.30207	0.43607	0.48	0.5	1	HC_vs_MS.NoTrt_F
TNFAIP3	0.3023	0.72698	0.633	0.65	1	HC_vs_MS.NoTrt_F
TMEM182	0.30243	0.29419	0.78	0.82	1	HC_vs_MS.NoTrt_F
FAM234B	0.30248	-0.5471	0.506	0.54	1	HC_vs_MS.NoTrt_F
TGFB1	0.30259	0.73198	0.393	0.45	1	HC_vs_MS.NoTrt_F
ACADL	0.30263	-0.3134	0.332	0.37	1	HC_vs_MS.NoTrt_F
SPECC1L	0.30266	0.25296	0.188	0.23	1	HC_vs_MS.NoTrt_F
SDC4	0.30309	0.48559	0.171	0.21	1	HC_vs_MS.NoTrt_F
RNF144A	0.30342	1.76714	0.208	0.25	1	HC_vs_MS.NoTrt_F
ZNF574	0.3036	0.51558	0.373	0.39	1	HC_vs_MS.NoTrt_F
ANKAR	0.3041	0.3203	0.179	0.22	1	HC_vs_MS.NoTrt_F
ZNF267	0.30419	0.62049	0.225	0.28	1	HC_vs_MS.NoTrt_F
IL1R1	0.30501	1.78254	0.422	0.39	1	HC_vs_MS.NoTrt_F
SMARCA2	0.30528	0.42186	0.477	0.55	1	HC_vs_MS.NoTrt_F
SCAPER	0.30529	-0.3284	0.402	0.43	1	HC_vs_MS.NoTrt_F
KDM5B	0.30533	0.89049	0.327	0.35	1	HC_vs_MS.NoTrt_F
ZC3H7B	0.30598	0.25644	0.853	0.83	1	HC_vs_MS.NoTrt_F
NBPF9	0.30635	0.55427	0.702	0.8	1	HC_vs_MS.NoTrt_F
MRT04	0.30649	0.45115	0.538	0.61	1	HC_vs_MS.NoTrt_F
ST20	0.30739	0.89956	0.254	0.22	1	HC_vs_MS.NoTrt_F
WDR74	0.30742	0.34196	0.653	0.62	1	HC_vs_MS.NoTrt_F
ARL1	0.30747	-0.5372	0.419	0.45	1	HC_vs_MS.NoTrt_F
TBXA2R	0.30758	0.4086	0.746	0.77	1	HC_vs_MS.NoTrt_F
CACNB1	0.30763	0.91025	0.145	0.18	1	HC_vs_MS.NoTrt_F
SMIM8	0.30782	0.53257	0.685	0.63	1	HC_vs_MS.NoTrt_F
NOTCH1	0.30787	0.71326	0.156	0.19	1	HC_vs_MS.NoTrt_F
RLIM	0.30787	0.63317	0.772	0.8	1	HC_vs_MS.NoTrt_F
NAF1	0.30828	0.62609	0.497	0.53	1	HC_vs_MS.NoTrt_F
PHLDB3	0.30845	0.46026	0.665	0.66	1	HC_vs_MS.NoTrt_F
MOCS3	0.30876	-0.3731	0.879	0.88	1	HC_vs_MS.NoTrt_F
STX12	0.30943	0.534	0.306	0.35	1	HC_vs_MS.NoTrt_F
FAM206A	0.30946	1.32877	0.124	0.16	1	HC_vs_MS.NoTrt_F
ERLEC1	0.3096	0.51469	0.413	0.48	1	HC_vs_MS.NoTrt_F
NSMCE3	0.3097	-0.3715	0.373	0.41	1	HC_vs_MS.NoTrt_F
ATL2	0.30971	0.40895	0.879	0.88	1	HC_vs_MS.NoTrt_F
ARHGEF26	0.30992	1.15981	0.595	0.53	1	HC_vs_MS.NoTrt_F
ZBED5	0.31041	-0.3477	0.705	0.73	1	HC_vs_MS.NoTrt_F
GYG1	0.31059	-0.5674	0.618	0.64	1	HC_vs_MS.NoTrt_F

RAB11FIP1	0.31064	0.57642	0.832	0.83	1	HC_vs_MS.NoTrt_F
FN3KRP	0.31081	0.54488	0.145	0.18	1	HC_vs_MS.NoTrt_F
NUP50	0.31105	-0.2889	0.734	0.75	1	HC_vs_MS.NoTrt_F
NEU1	0.31123	1.14648	0.682	0.62	1	HC_vs_MS.NoTrt_F
FO538757.1	0.31152	0.41492	0.225	0.27	1	HC_vs_MS.NoTrt_F
CUL7	0.312	0.91826	0.121	0.16	1	HC_vs_MS.NoTrt_F
ADH4	0.31215	0.30167	0.347	0.33	1	HC_vs_MS.NoTrt_F
TSKU	0.31215	0.60482	0.587	0.6	1	HC_vs_MS.NoTrt_F
OGG1	0.31251	-0.2576	0.431	0.46	1	HC_vs_MS.NoTrt_F
RBM34	0.31266	0.52278	0.717	0.72	1	HC_vs_MS.NoTrt_F
PHRF1	0.31285	0.72451	0.202	0.25	1	HC_vs_MS.NoTrt_F
SOGA1	0.31359	0.51049	0.711	0.65	1	HC_vs_MS.NoTrt_F
DDX59	0.31371	0.32946	0.491	0.45	1	HC_vs_MS.NoTrt_F
CNOT2	0.31392	-0.2801	0.936	0.96	1	HC_vs_MS.NoTrt_F
ERCC2	0.31405	-0.8081	0.561	0.59	1	HC_vs_MS.NoTrt_F
QRSL1	0.31446	0.29155	0.592	0.66	1	HC_vs_MS.NoTrt_F
STON1	0.31503	-0.7962	0.384	0.43	1	HC_vs_MS.NoTrt_F
SERPINE2	0.31623	-1.1395	0.367	0.4	1	HC_vs_MS.NoTrt_F
NEBL	0.3163	-0.5149	0.37	0.42	1	HC_vs_MS.NoTrt_F
CARF	0.31631	-0.5947	0.546	0.57	1	HC_vs_MS.NoTrt_F
ITFG2	0.31633	0.32441	0.376	0.42	1	HC_vs_MS.NoTrt_F
GSTO1	0.31675	0.29604	0.217	0.26	1	HC_vs_MS.NoTrt_F
NUDT6	0.31676	-0.2783	0.584	0.61	1	HC_vs_MS.NoTrt_F
FAM117B	0.31681	0.27707	0.474	0.51	1	HC_vs_MS.NoTrt_F
KATNAL1	0.3169	0.30773	0.613	0.64	1	HC_vs_MS.NoTrt_F
PPP1R15A	0.31701	0.36303	0.702	0.71	1	HC_vs_MS.NoTrt_F
MUTYH	0.31726	-0.2642	0.561	0.57	1	HC_vs_MS.NoTrt_F
WDR3	0.31801	-0.9401	0.783	0.79	1	HC_vs_MS.NoTrt_F
PIGN	0.31815	0.52949	0.653	0.64	1	HC_vs_MS.NoTrt_F
PPP4R2	0.31829	-0.2516	0.523	0.56	1	HC_vs_MS.NoTrt_F
UBAP1L	0.31837	0.48259	0.399	0.45	1	HC_vs_MS.NoTrt_F
HSPA14	0.31843	-0.3805	0.373	0.41	1	HC_vs_MS.NoTrt_F
DOCK9	0.31852	0.8925	0.338	0.37	1	HC_vs_MS.NoTrt_F
LENG1	0.31856	0.73891	0.147	0.19	1	HC_vs_MS.NoTrt_F
ARHGAP4	0.31862	0.30778	0.497	0.6	1	HC_vs_MS.NoTrt_F
GGT5	0.31867	0.3806	0.769	0.75	1	HC_vs_MS.NoTrt_F
A2ML1	0.31878	0.28105	0.685	0.71	1	HC_vs_MS.NoTrt_F
GOLGA8R	0.31898	0.54345	0.558	0.54	1	HC_vs_MS.NoTrt_F
RP11-544M1	0.31908	0.59403	0.272	0.31	1	HC_vs_MS.NoTrt_F
ATAT1	0.31916	0.73072	0.121	0.16	1	HC_vs_MS.NoTrt_F

MFAP1	0.31926	0.62818	0.139	0.18	1	HC_vs_MS.NoTrt_F
ILF3	0.31944	0.51779	0.803	0.83	1	HC_vs_MS.NoTrt_F
KATNAL2	0.31977	0.66295	0.416	0.38	1	HC_vs_MS.NoTrt_F
WIPF2	0.31982	0.40588	0.841	0.84	1	HC_vs_MS.NoTrt_F
BRF1	0.32021	0.69407	0.624	0.58	1	HC_vs_MS.NoTrt_F
NME1	0.32023	0.6361	0.639	0.56	1	HC_vs_MS.NoTrt_F
ZMYND8	0.32024	0.32625	0.419	0.47	1	HC_vs_MS.NoTrt_F
ZC3H14	0.32037	-0.3334	0.957	0.97	1	HC_vs_MS.NoTrt_F
WDR91	0.32051	-0.2668	0.535	0.58	1	HC_vs_MS.NoTrt_F
EMP2	0.32064	0.28064	0.957	0.95	1	HC_vs_MS.NoTrt_F
HSD17B12	0.32086	-0.4139	0.474	0.52	1	HC_vs_MS.NoTrt_F
WDR75	0.32145	0.30134	0.358	0.43	1	HC_vs_MS.NoTrt_F
ZNF19	0.32149	0.40876	0.815	0.84	1	HC_vs_MS.NoTrt_F
CALU	0.32152	0.4132	0.425	0.49	1	HC_vs_MS.NoTrt_F
KCTD6	0.32186	-0.2661	0.656	0.65	1	HC_vs_MS.NoTrt_F
ZNF528	0.32243	0.518	0.65	0.59	1	HC_vs_MS.NoTrt_F
PLGLB1	0.32245	0.37708	0.185	0.23	1	HC_vs_MS.NoTrt_F
RUNX1T1	0.32245	0.49408	0.249	0.28	1	HC_vs_MS.NoTrt_F
GPT2	0.3227	-0.34	0.549	0.5	1	HC_vs_MS.NoTrt_F
ZFYVE26	0.32273	0.8853	0.876	0.86	1	HC_vs_MS.NoTrt_F
CALCOCO2	0.32293	-0.4132	0.994	1	1	HC_vs_MS.NoTrt_F
ARSD	0.32329	0.51357	0.838	0.83	1	HC_vs_MS.NoTrt_F
MGP	0.32334	0.8542	0.61	0.58	1	HC_vs_MS.NoTrt_F
EMILIN2	0.32335	0.5033	0.48	0.53	1	HC_vs_MS.NoTrt_F
UBE2G2	0.32371	0.50229	0.754	0.72	1	HC_vs_MS.NoTrt_F
SLC16A5	0.32378	0.42232	0.191	0.23	1	HC_vs_MS.NoTrt_F
LUC7L	0.32391	0.66167	0.864	0.85	1	HC_vs_MS.NoTrt_F
VKORC1	0.3244	0.60374	0.214	0.25	1	HC_vs_MS.NoTrt_F
ENPP2	0.32442	1.53059	0.156	0.13	1	HC_vs_MS.NoTrt_F
IFIT2	0.32454	-1.3089	0.116	0.15	1	HC_vs_MS.NoTrt_F
YRDC	0.32465	0.96956	0.113	0.15	1	HC_vs_MS.NoTrt_F
CCDC92	0.32471	0.33747	0.095	0.13	1	HC_vs_MS.NoTrt_F
SLC9B1	0.32474	0.39921	0.419	0.47	1	HC_vs_MS.NoTrt_F
AP1B1	0.32474	0.73902	0.28	0.25	1	HC_vs_MS.NoTrt_F
TGFB11	0.3253	0.90669	0.332	0.38	1	HC_vs_MS.NoTrt_F
ZNF215	0.32538	0.51817	0.422	0.5	1	HC_vs_MS.NoTrt_F
HARS	0.32579	-0.2675	0.867	0.87	1	HC_vs_MS.NoTrt_F
TRAPPC2B	0.32582	0.25869	0.436	0.39	1	HC_vs_MS.NoTrt_F
DIP2C	0.32584	0.64759	0.116	0.15	1	HC_vs_MS.NoTrt_F
SEC14L1	0.32586	-0.314	0.731	0.79	1	HC_vs_MS.NoTrt_F

CCDC149	0.32598	0.52768	0.468	0.49	1	HC_vs_MS.NoTrt_F
CCDC107	0.32653	0.39731	0.266	0.32	1	HC_vs_MS.NoTrt_F
U2SURP	0.32679	0.55113	0.364	0.43	1	HC_vs_MS.NoTrt_F
DGKD	0.32679	0.26977	0.691	0.64	1	HC_vs_MS.NoTrt_F
IDH2	0.3268	0.49045	0.587	0.56	1	HC_vs_MS.NoTrt_F
ZGPAT	0.32692	0.72054	0.208	0.25	1	HC_vs_MS.NoTrt_F
CHPT1	0.32694	0.38657	0.642	0.61	1	HC_vs_MS.NoTrt_F
UBE3D	0.327	-0.3109	0.671	0.69	1	HC_vs_MS.NoTrt_F
PTPN9	0.3274	0.85885	0.355	0.39	1	HC_vs_MS.NoTrt_F
PRR5-ARHG,	0.32745	-0.6246	0.107	0.14	1	HC_vs_MS.NoTrt_F
FURIN	0.32754	-0.4407	0.11	0.14	1	HC_vs_MS.NoTrt_F
TMEM126B	0.3281	0.31322	0.234	0.27	1	HC_vs_MS.NoTrt_F
NXN	0.32835	0.379	0.578	0.55	1	HC_vs_MS.NoTrt_F
EDF1	0.32859	0.28603	0.477	0.58	1	HC_vs_MS.NoTrt_F
IFNLR1	0.32863	-1.1648	0.13	0.17	1	HC_vs_MS.NoTrt_F
RGS5	0.32883	1.68935	0.11	0.14	1	HC_vs_MS.NoTrt_F
BHLHE40	0.32937	0.65463	0.156	0.2	1	HC_vs_MS.NoTrt_F
AL589743.1	0.32956	0.25175	0.642	0.59	1	HC_vs_MS.NoTrt_F
SYF2	0.32972	0.79538	0.5	0.48	1	HC_vs_MS.NoTrt_F
WNT7A	0.33028	0.81202	0.098	0.13	1	HC_vs_MS.NoTrt_F
VPS11	0.3304	-0.7219	0.847	0.81	1	HC_vs_MS.NoTrt_F
CDC14B	0.33043	0.4482	0.347	0.37	1	HC_vs_MS.NoTrt_F
PBX2	0.33044	0.49162	0.173	0.21	1	HC_vs_MS.NoTrt_F
PTPN1	0.33063	0.7811	0.41	0.39	1	HC_vs_MS.NoTrt_F
CYP4V2	0.33087	-0.3893	0.763	0.82	1	HC_vs_MS.NoTrt_F
FCHO1	0.33113	-0.5374	0.818	0.82	1	HC_vs_MS.NoTrt_F
KCNC4	0.33196	0.78433	0.786	0.82	1	HC_vs_MS.NoTrt_F
ZNF354B	0.33199	0.35699	0.361	0.41	1	HC_vs_MS.NoTrt_F
NR3C1	0.33206	0.57725	0.338	0.3	1	HC_vs_MS.NoTrt_F
QTRT1	0.33239	0.40282	0.844	0.83	1	HC_vs_MS.NoTrt_F
USP12	0.33248	0.91378	0.124	0.16	1	HC_vs_MS.NoTrt_F
SREK1	0.33248	0.56658	0.572	0.62	1	HC_vs_MS.NoTrt_F
SF3A1	0.33261	0.35786	0.425	0.48	1	HC_vs_MS.NoTrt_F
MCM6	0.33272	0.64069	0.173	0.22	1	HC_vs_MS.NoTrt_F
CS	0.33367	0.26784	0.864	0.83	1	HC_vs_MS.NoTrt_F
FAM120A	0.33476	0.46011	0.211	0.25	1	HC_vs_MS.NoTrt_F
ABAT	0.33479	-0.3939	0.656	0.67	1	HC_vs_MS.NoTrt_F
FSCN1	0.33494	1.278	0.101	0.13	1	HC_vs_MS.NoTrt_F
BACH2	0.33509	0.78089	0.292	0.26	1	HC_vs_MS.NoTrt_F
CDCA7L	0.33521	0.69955	0.127	0.16	1	HC_vs_MS.NoTrt_F

USP28	0.33537	0.89152	0.41	0.44	1	HC_vs_MS.NoTrt_F
NTRK1	0.33549	0.72318	0.249	0.3	1	HC_vs_MS.NoTrt_F
BCL3	0.33564	0.42564	0.147	0.19	1	HC_vs_MS.NoTrt_F
SRGAP2C	0.33577	-0.2585	0.549	0.58	1	HC_vs_MS.NoTrt_F
DOCK6	0.33589	1.00247	0.552	0.6	1	HC_vs_MS.NoTrt_F
CFDP1	0.33593	-0.2925	0.676	0.7	1	HC_vs_MS.NoTrt_F
CORO1C	0.3362	1.46861	0.081	0.11	1	HC_vs_MS.NoTrt_F
DZANK1	0.33654	0.27633	0.763	0.7	1	HC_vs_MS.NoTrt_F
STK40	0.33665	0.67775	0.136	0.17	1	HC_vs_MS.NoTrt_F
TPST2	0.33688	0.61333	0.717	0.65	1	HC_vs_MS.NoTrt_F
POGK	0.33695	0.28343	0.312	0.35	1	HC_vs_MS.NoTrt_F
UNC13D	0.3371	0.28952	0.642	0.71	1	HC_vs_MS.NoTrt_F
DUSP19	0.33774	0.26477	0.737	0.71	1	HC_vs_MS.NoTrt_F
EIF1AY	0.33844	-0.6474	0.671	0.67	1	HC_vs_MS.NoTrt_F
KRI1	0.33867	-0.2808	0.549	0.56	1	HC_vs_MS.NoTrt_F
FGD2	0.33935	0.52186	0.783	0.78	1	HC_vs_MS.NoTrt_F
CHD1	0.33972	0.25024	0.558	0.6	1	HC_vs_MS.NoTrt_F
CLEC4E	0.34018	0.64572	0.425	0.49	1	HC_vs_MS.NoTrt_F
DIP2B	0.34021	0.42557	0.436	0.51	1	HC_vs_MS.NoTrt_F
MORN1	0.34038	0.772	0.598	0.55	1	HC_vs_MS.NoTrt_F
CLEC18A	0.34069	0.58233	0.405	0.43	1	HC_vs_MS.NoTrt_F
NPIPA1	0.34073	0.29564	0.702	0.77	1	HC_vs_MS.NoTrt_F
TAF1B	0.34086	-0.5136	0.61	0.63	1	HC_vs_MS.NoTrt_F
GPATCH4	0.34146	0.3241	0.315	0.35	1	HC_vs_MS.NoTrt_F
SH2D1B	0.34191	1.78847	0.263	0.24	1	HC_vs_MS.NoTrt_F
ZNF14	0.34191	1.06757	0.387	0.41	1	HC_vs_MS.NoTrt_F
MAP1B	0.34192	0.40162	0.101	0.08	1	HC_vs_MS.NoTrt_F
TNFRSF4	0.34195	0.53841	0.24	0.29	1	HC_vs_MS.NoTrt_F
BCL2L13	0.34209	-0.6292	0.59	0.6	1	HC_vs_MS.NoTrt_F
AZIN2	0.34232	1.06111	0.379	0.36	1	HC_vs_MS.NoTrt_F
FOXRED1	0.34291	0.98183	0.549	0.52	1	HC_vs_MS.NoTrt_F
PMS2	0.34314	0.81167	0.685	0.73	1	HC_vs_MS.NoTrt_F
SIN3A	0.34327	-0.2871	0.832	0.84	1	HC_vs_MS.NoTrt_F
FRMD3	0.34329	0.29652	0.124	0.1	1	HC_vs_MS.NoTrt_F
BTD	0.34353	1.09606	0.136	0.17	1	HC_vs_MS.NoTrt_F
SPON2	0.34354	0.61108	0.488	0.53	1	HC_vs_MS.NoTrt_F
CHMP5	0.34358	0.38356	0.168	0.2	1	HC_vs_MS.NoTrt_F
PAM16	0.34366	0.74364	0.237	0.28	1	HC_vs_MS.NoTrt_F
PCYOX1	0.34371	-0.3371	0.841	0.83	1	HC_vs_MS.NoTrt_F
PGAP2	0.34374	0.61454	0.107	0.14	1	HC_vs_MS.NoTrt_F

DCC	0.34376	0.37545	0.116	0.15	1	HC_vs_MS.NoTrt_F
REV3L	0.34378	0.30166	0.74	0.79	1	HC_vs_MS.NoTrt_F
NCSTN	0.34395	0.27259	0.24	0.29	1	HC_vs_MS.NoTrt_F
SNX30	0.34416	0.47597	0.543	0.5	1	HC_vs_MS.NoTrt_F
SMC1A	0.34426	0.62393	0.263	0.32	1	HC_vs_MS.NoTrt_F
HPS4	0.3443	0.68515	0.818	0.85	1	HC_vs_MS.NoTrt_F
PDE1B	0.34447	0.6482	0.601	0.56	1	HC_vs_MS.NoTrt_F
FMNL1	0.34461	0.76576	0.714	0.85	1	HC_vs_MS.NoTrt_F
DHRS11	0.34479	0.54498	0.344	0.37	1	HC_vs_MS.NoTrt_F
ANKRD49	0.34496	0.88422	0.22	0.27	1	HC_vs_MS.NoTrt_F
KCTD18	0.34499	0.25352	0.832	0.86	1	HC_vs_MS.NoTrt_F
ZNF491	0.34514	0.50651	0.488	0.53	1	HC_vs_MS.NoTrt_F
CACNA1F	0.34538	0.73469	0.318	0.37	1	HC_vs_MS.NoTrt_F
ADGRL1	0.3455	1.29421	0.101	0.13	1	HC_vs_MS.NoTrt_F
PDE6B	0.34565	0.50587	0.711	0.66	1	HC_vs_MS.NoTrt_F
DDX21	0.34574	0.42973	0.393	0.45	1	HC_vs_MS.NoTrt_F
AK3	0.34581	-0.4547	0.497	0.51	1	HC_vs_MS.NoTrt_F
RBBP5	0.34592	0.27567	0.59	0.63	1	HC_vs_MS.NoTrt_F
APBA2	0.34593	0.51167	0.549	0.61	1	HC_vs_MS.NoTrt_F
POLR3E	0.34599	0.32389	0.474	0.56	1	HC_vs_MS.NoTrt_F
CHSY1	0.34734	-0.7648	0.324	0.36	1	HC_vs_MS.NoTrt_F
ZNF587B	0.34747	0.52905	0.35	0.38	1	HC_vs_MS.NoTrt_F
N4BP2L1	0.3475	-0.5297	0.653	0.7	1	HC_vs_MS.NoTrt_F
CCS	0.34873	0.35398	0.329	0.29	1	HC_vs_MS.NoTrt_F
ZNF419	0.34879	0.40638	0.876	0.85	1	HC_vs_MS.NoTrt_F
MPI	0.34896	0.65213	0.517	0.56	1	HC_vs_MS.NoTrt_F
ADPRH	0.34903	2.88411	0.081	0.11	1	HC_vs_MS.NoTrt_F
LRP1	0.34925	1.24574	0.344	0.29	1	HC_vs_MS.NoTrt_F
CSNK2A1	0.34964	-0.6011	0.76	0.78	1	HC_vs_MS.NoTrt_F
RHOT1	0.34979	0.69507	0.254	0.29	1	HC_vs_MS.NoTrt_F
NECAB1	0.35037	0.72071	0.156	0.19	1	HC_vs_MS.NoTrt_F
FBXO24	0.35042	-0.3135	0.517	0.51	1	HC_vs_MS.NoTrt_F
GTF2IRD2B	0.35078	-0.2553	0.879	0.9	1	HC_vs_MS.NoTrt_F
FOXP3	0.3515	0.27633	0.503	0.56	1	HC_vs_MS.NoTrt_F
PLAUR	0.3516	1.92813	0.647	0.61	1	HC_vs_MS.NoTrt_F
DIEXF	0.35185	0.46709	0.555	0.49	1	HC_vs_MS.NoTrt_F
ZBTB4	0.35217	0.61048	0.194	0.23	1	HC_vs_MS.NoTrt_F
CTSW	0.35226	1.15458	0.688	0.61	1	HC_vs_MS.NoTrt_F
ATN1	0.3523	0.78761	0.26	0.23	1	HC_vs_MS.NoTrt_F
SLC12A2	0.35274	0.64997	0.572	0.59	1	HC_vs_MS.NoTrt_F

TPP1	0.353	0.847	0.477	0.5	1	HC_vs_MS.NoTrt_F
HACE1	0.35346	-0.2952	0.688	0.68	1	HC_vs_MS.NoTrt_F
ELP3	0.35365	-0.3711	0.497	0.5	1	HC_vs_MS.NoTrt_F
ZNF160	0.35375	0.72851	0.621	0.59	1	HC_vs_MS.NoTrt_F
FAM222B	0.3539	0.67165	0.22	0.26	1	HC_vs_MS.NoTrt_F
KDM2A	0.35411	0.35147	0.919	0.93	1	HC_vs_MS.NoTrt_F
VPS33B	0.35425	1.12924	0.416	0.46	1	HC_vs_MS.NoTrt_F
PFKFB3	0.35428	-0.2648	0.344	0.4	1	HC_vs_MS.NoTrt_F
MSTO1	0.3544	1.27652	0.139	0.18	1	HC_vs_MS.NoTrt_F
NCR3LG1	0.35571	-0.8276	0.084	0.11	1	HC_vs_MS.NoTrt_F
PPM1N	0.35605	0.72117	0.162	0.19	1	HC_vs_MS.NoTrt_F
RABIF	0.35605	0.40618	0.422	0.45	1	HC_vs_MS.NoTrt_F
TM2D1	0.35627	0.345	0.916	0.92	1	HC_vs_MS.NoTrt_F
BAG6	0.35679	1.06272	0.691	0.59	1	HC_vs_MS.NoTrt_F
FIBP	0.35711	0.59636	0.561	0.53	1	HC_vs_MS.NoTrt_F
MTR	0.35795	-0.6453	0.569	0.55	1	HC_vs_MS.NoTrt_F
SMAD3	0.35814	0.6829	0.214	0.25	1	HC_vs_MS.NoTrt_F
WDR92	0.35837	0.35787	0.743	0.73	1	HC_vs_MS.NoTrt_F
MCC	0.35842	0.43485	0.532	0.53	1	HC_vs_MS.NoTrt_F
CC2D1B	0.35881	0.29688	0.65	0.63	1	HC_vs_MS.NoTrt_F
CTSH	0.35917	0.57618	0.116	0.14	1	HC_vs_MS.NoTrt_F
TXNL1	0.3592	0.46842	0.668	0.71	1	HC_vs_MS.NoTrt_F
ZNF45	0.35925	-0.4997	0.344	0.38	1	HC_vs_MS.NoTrt_F
KCNMB4	0.35925	0.40735	0.37	0.41	1	HC_vs_MS.NoTrt_F
CEP126	0.35947	0.41468	0.783	0.81	1	HC_vs_MS.NoTrt_F
SH2B3	0.35976	0.36636	0.208	0.24	1	HC_vs_MS.NoTrt_F
NR4A3	0.35997	0.70076	0.246	0.22	1	HC_vs_MS.NoTrt_F
APLP1	0.36018	0.38797	0.676	0.63	1	HC_vs_MS.NoTrt_F
ZNF75D	0.36062	0.86063	0.176	0.15	1	HC_vs_MS.NoTrt_F
CBWD1	0.36065	0.56627	0.708	0.74	1	HC_vs_MS.NoTrt_F
AOAH	0.3609	0.33887	0.428	0.47	1	HC_vs_MS.NoTrt_F
CTSC	0.36108	0.32872	0.928	0.91	1	HC_vs_MS.NoTrt_F
RND2	0.36109	0.38346	0.425	0.44	1	HC_vs_MS.NoTrt_F
RFK	0.36123	0.60498	0.5	0.53	1	HC_vs_MS.NoTrt_F
KIAA0319L	0.36128	-0.2916	0.725	0.75	1	HC_vs_MS.NoTrt_F
BCL9L	0.36175	0.97601	0.205	0.25	1	HC_vs_MS.NoTrt_F
KIAA1161	0.36201	0.26801	0.876	0.89	1	HC_vs_MS.NoTrt_F
PLA2G15	0.36277	-0.6937	0.841	0.82	1	HC_vs_MS.NoTrt_F
PEAK1	0.36285	0.34083	0.957	0.96	1	HC_vs_MS.NoTrt_F
UQCRH	0.36299	0.79857	0.581	0.59	1	HC_vs_MS.NoTrt_F



ANKRD10	0.36336	0.30254	0.717	0.8	1	HC_vs_MS.NoTrt_F
LRRC49	0.36342	1.11468	0.792	0.87	1	HC_vs_MS.NoTrt_F
MPP6	0.36388	0.91906	0.335	0.38	1	HC_vs_MS.NoTrt_F
RELB	0.36446	0.55797	0.159	0.19	1	HC_vs_MS.NoTrt_F
CD99L2	0.36449	0.7122	0.168	0.2	1	HC_vs_MS.NoTrt_F
MIB1	0.3648	0.50237	0.171	0.2	1	HC_vs_MS.NoTrt_F
TMEM144	0.36648	0.29359	0.205	0.24	1	HC_vs_MS.NoTrt_F
C14orf80	0.36757	1.21002	0.324	0.35	1	HC_vs_MS.NoTrt_F
SYT2	0.36767	1.01382	0.081	0.11	1	HC_vs_MS.NoTrt_F
RANBP2	0.36777	0.28638	0.592	0.6	1	HC_vs_MS.NoTrt_F
FAR2	0.3682	0.26344	0.237	0.28	1	HC_vs_MS.NoTrt_F
ATP6VOD1	0.3684	-0.2711	0.717	0.74	1	HC_vs_MS.NoTrt_F
PLEKHG2	0.36843	0.71549	0.916	0.88	1	HC_vs_MS.NoTrt_F
SPPL3	0.36875	0.47961	0.61	0.65	1	HC_vs_MS.NoTrt_F
DNHD1	0.36884	0.4473	0.39	0.35	1	HC_vs_MS.NoTrt_F
METTL21B	0.36899	0.78441	0.535	0.53	1	HC_vs_MS.NoTrt_F
HAT1	0.36931	0.55197	0.884	0.91	1	HC_vs_MS.NoTrt_F
ZNF839	0.36941	-0.2934	0.751	0.8	1	HC_vs_MS.NoTrt_F
LDAH	0.36956	-0.2798	0.153	0.18	1	HC_vs_MS.NoTrt_F
SEZ6	0.36973	0.7851	0.13	0.16	1	HC_vs_MS.NoTrt_F
PIN1	0.37014	0.76039	0.795	0.79	1	HC_vs_MS.NoTrt_F
HIST1H1C	0.37042	0.43236	0.182	0.22	1	HC_vs_MS.NoTrt_F
PDE4A	0.37089	0.27661	0.176	0.22	1	HC_vs_MS.NoTrt_F
GARNL3	0.37142	0.73654	0.223	0.25	1	HC_vs_MS.NoTrt_F
MIEF1	0.37152	-0.6255	0.477	0.5	1	HC_vs_MS.NoTrt_F
ATP13A2	0.37255	0.33695	0.5	0.53	1	HC_vs_MS.NoTrt_F
SORD	0.37258	0.42055	0.214	0.25	1	HC_vs_MS.NoTrt_F
ZNF71	0.37268	-0.3213	0.292	0.32	1	HC_vs_MS.NoTrt_F
KDM3B	0.37306	-0.284	0.425	0.43	1	HC_vs_MS.NoTrt_F
TONSL	0.37337	0.52283	0.668	0.66	1	HC_vs_MS.NoTrt_F
RIN2	0.37339	0.64663	0.361	0.3	1	HC_vs_MS.NoTrt_F
ADAMTS17	0.37363	0.90188	0.217	0.25	1	HC_vs_MS.NoTrt_F
CDK4	0.37394	0.82184	0.636	0.64	1	HC_vs_MS.NoTrt_F
ZNF396	0.37422	0.27284	0.896	0.92	1	HC_vs_MS.NoTrt_F
ZFAND4	0.37463	-0.5546	0.523	0.47	1	HC_vs_MS.NoTrt_F
LCAT	0.37504	0.49564	0.263	0.3	1	HC_vs_MS.NoTrt_F
IL17RC	0.3751	0.5039	0.439	0.37	1	HC_vs_MS.NoTrt_F
SMAD1	0.37518	0.81431	0.442	0.4	1	HC_vs_MS.NoTrt_F
PPP1R16B	0.37555	0.97301	0.355	0.43	1	HC_vs_MS.NoTrt_F
C15orf57	0.37607	-0.269	0.841	0.84	1	HC_vs_MS.NoTrt_F

EEF1E1	0.37609	0.45719	0.621	0.56	1	HC_vs_MS.NoTrt_F
ALDH5A1	0.37615	-0.428	0.529	0.57	1	HC_vs_MS.NoTrt_F
DIS3	0.37624	-0.3105	0.731	0.76	1	HC_vs_MS.NoTrt_F
SMURF2	0.37668	0.78318	0.801	0.86	1	HC_vs_MS.NoTrt_F
ERCC5	0.37677	0.40359	0.436	0.48	1	HC_vs_MS.NoTrt_F
ARHGEF40	0.37686	-0.5311	0.217	0.25	1	HC_vs_MS.NoTrt_F
FAM174B	0.37701	1.11019	0.173	0.21	1	HC_vs_MS.NoTrt_F
ZNF418	0.37708	0.90439	0.194	0.23	1	HC_vs_MS.NoTrt_F
QSOX1	0.37743	0.97541	0.474	0.43	1	HC_vs_MS.NoTrt_F
USP36	0.37785	0.32341	0.535	0.62	1	HC_vs_MS.NoTrt_F
RNF165	0.37789	0.50451	0.54	0.51	1	HC_vs_MS.NoTrt_F
UBA1	0.37821	0.56352	0.844	0.85	1	HC_vs_MS.NoTrt_F
SOCS4	0.37825	0.72207	0.379	0.41	1	HC_vs_MS.NoTrt_F
PANK3	0.37847	0.79538	0.471	0.44	1	HC_vs_MS.NoTrt_F
PPP2R1B	0.37872	0.3485	0.514	0.47	1	HC_vs_MS.NoTrt_F
OSBPL2	0.37906	-0.304	0.523	0.55	1	HC_vs_MS.NoTrt_F
BBIP1	0.37937	0.26296	0.665	0.65	1	HC_vs_MS.NoTrt_F
RP11-80H18	0.37944	0.48401	0.318	0.37	1	HC_vs_MS.NoTrt_F
DENND4C	0.37958	0.51846	0.442	0.48	1	HC_vs_MS.NoTrt_F
MPV17L2	0.37992	0.57165	0.243	0.28	1	HC_vs_MS.NoTrt_F
ADGRD1	0.38048	0.61474	0.436	0.52	1	HC_vs_MS.NoTrt_F
VEPH1	0.3818	0.35207	0.113	0.14	1	HC_vs_MS.NoTrt_F
CYHR1	0.38185	0.27826	0.306	0.35	1	HC_vs_MS.NoTrt_F
NAV2	0.38228	1.23072	0.408	0.42	1	HC_vs_MS.NoTrt_F
GRINA	0.38231	0.85156	0.121	0.16	1	HC_vs_MS.NoTrt_F
UBE2L5P	0.38255	0.42285	0.283	0.31	1	HC_vs_MS.NoTrt_F
C14orf2	0.38288	-0.2603	0.855	0.9	1	HC_vs_MS.NoTrt_F
CERS5	0.38306	-0.3481	0.988	0.98	1	HC_vs_MS.NoTrt_F
RAB26	0.38334	0.50178	0.179	0.22	1	HC_vs_MS.NoTrt_F
SS18L1	0.38349	-0.3694	0.465	0.5	1	HC_vs_MS.NoTrt_F
CH507-9B2.!	0.3839	0.60634	0.142	0.17	1	HC_vs_MS.NoTrt_F
ZNF175	0.38392	0.39351	0.211	0.24	1	HC_vs_MS.NoTrt_F
AP4M1	0.38418	-0.3833	0.671	0.69	1	HC_vs_MS.NoTrt_F
NKD1	0.38421	0.50832	0.425	0.49	1	HC_vs_MS.NoTrt_F
RNF141	0.38421	0.59979	0.445	0.46	1	HC_vs_MS.NoTrt_F
B3GNT2	0.38477	0.37956	0.188	0.23	1	HC_vs_MS.NoTrt_F
RGS3	0.38539	0.36542	0.558	0.49	1	HC_vs_MS.NoTrt_F
PPME1	0.38623	0.8948	0.182	0.22	1	HC_vs_MS.NoTrt_F
GBA	0.3865	-0.8355	0.506	0.5	1	HC_vs_MS.NoTrt_F
AKAP12	0.38666	0.97899	0.09	0.12	1	HC_vs_MS.NoTrt_F

NSMF	0.38687	2.12296	0.11	0.14	1	HC_vs_MS.NoTrt_F
THEMIS	0.38699	0.85145	0.272	0.31	1	HC_vs_MS.NoTrt_F
HOMER2	0.38704	-0.5737	0.616	0.64	1	HC_vs_MS.NoTrt_F
MYBL1	0.38761	0.78161	0.078	0.11	1	HC_vs_MS.NoTrt_F
SLC2A8	0.38773	-1.1174	0.327	0.38	1	HC_vs_MS.NoTrt_F
PRRT2	0.38788	1.06041	0.208	0.25	1	HC_vs_MS.NoTrt_F
PDZD2	0.38802	0.63418	0.697	0.66	1	HC_vs_MS.NoTrt_F
CAPRIN1	0.38834	-0.4189	0.347	0.37	1	HC_vs_MS.NoTrt_F
C1orf52	0.38853	0.27341	0.35	0.38	1	HC_vs_MS.NoTrt_F
ATP1B3	0.38882	0.68956	0.211	0.26	1	HC_vs_MS.NoTrt_F
CHKA	0.38947	1.76078	0.092	0.12	1	HC_vs_MS.NoTrt_F
C1QTNF6	0.38958	0.37526	0.627	0.67	1	HC_vs_MS.NoTrt_F
FIS1	0.38994	0.64362	0.367	0.41	1	HC_vs_MS.NoTrt_F
RECQL5	0.39008	0.49306	0.257	0.29	1	HC_vs_MS.NoTrt_F
TRIM39	0.39082	0.4285	0.191	0.23	1	HC_vs_MS.NoTrt_F
GATAD2A	0.39082	0.58484	0.749	0.77	1	HC_vs_MS.NoTrt_F
F2R	0.39101	0.5837	0.578	0.56	1	HC_vs_MS.NoTrt_F
HAUS6	0.39195	0.39528	0.39	0.43	1	HC_vs_MS.NoTrt_F
NIFK	0.39242	-0.4197	0.572	0.59	1	HC_vs_MS.NoTrt_F
MVD	0.39267	0.6523	0.552	0.58	1	HC_vs_MS.NoTrt_F
POU5F1	0.39285	0.28362	0.564	0.55	1	HC_vs_MS.NoTrt_F
MAGI1	0.39366	0.25571	0.133	0.11	1	HC_vs_MS.NoTrt_F
SPDYE3	0.39368	0.74258	0.506	0.56	1	HC_vs_MS.NoTrt_F
BGN	0.3941	1.59323	0.084	0.11	1	HC_vs_MS.NoTrt_F
COL5A1	0.39414	1.10833	0.104	0.08	1	HC_vs_MS.NoTrt_F
SHKBP1	0.39426	0.27478	0.775	0.83	1	HC_vs_MS.NoTrt_F
PANK1	0.39446	0.63756	0.497	0.47	1	HC_vs_MS.NoTrt_F
APOBEC3D	0.39449	0.34316	0.723	0.75	1	HC_vs_MS.NoTrt_F
PTK6	0.39451	0.46191	0.405	0.38	1	HC_vs_MS.NoTrt_F
IGF2R	0.3947	0.33273	0.486	0.51	1	HC_vs_MS.NoTrt_F
RYR3	0.3948	-0.3803	0.532	0.5	1	HC_vs_MS.NoTrt_F
MS4A2	0.39487	0.87302	0.61	0.59	1	HC_vs_MS.NoTrt_F
COX7C	0.39499	0.26433	0.48	0.6	1	HC_vs_MS.NoTrt_F
CD8B	0.3952	2.67337	0.121	0.16	1	HC_vs_MS.NoTrt_F
LSM11	0.39532	0.47027	0.607	0.64	1	HC_vs_MS.NoTrt_F
FSBP	0.39596	0.59333	0.384	0.43	1	HC_vs_MS.NoTrt_F
APOL1	0.39606	-0.6384	0.702	0.72	1	HC_vs_MS.NoTrt_F
ZNF197	0.39756	-0.691	0.538	0.59	1	HC_vs_MS.NoTrt_F
SFR1	0.39773	0.31994	0.292	0.32	1	HC_vs_MS.NoTrt_F
PPP1R3G	0.39789	0.27009	0.269	0.32	1	HC_vs_MS.NoTrt_F

DNAJC1	0.39792	2.13834	0.199	0.18	1	HC_vs_MS.NoTrt_F
DCAF6	0.39833	0.82921	0.269	0.31	1	HC_vs_MS.NoTrt_F
IFT81	0.39871	0.27872	0.792	0.79	1	HC_vs_MS.NoTrt_F
FAM111A	0.39895	-0.8234	0.552	0.54	1	HC_vs_MS.NoTrt_F
RAI14	0.3993	0.36288	0.121	0.15	1	HC_vs_MS.NoTrt_F
GLTSCR1	0.39967	0.40377	0.688	0.64	1	HC_vs_MS.NoTrt_F
STXBP5	0.40032	0.45946	0.197	0.23	1	HC_vs_MS.NoTrt_F
INPP4B	0.4004	0.57896	0.601	0.6	1	HC_vs_MS.NoTrt_F
SEC13	0.40046	0.50604	0.22	0.26	1	HC_vs_MS.NoTrt_F
ZNF662	0.4005	0.32807	0.595	0.58	1	HC_vs_MS.NoTrt_F
FABP2	0.4006	0.34593	0.442	0.44	1	HC_vs_MS.NoTrt_F
POLR2L	0.40071	0.33372	0.321	0.37	1	HC_vs_MS.NoTrt_F
ETHE1	0.40139	0.66161	0.136	0.17	1	HC_vs_MS.NoTrt_F
RP11-435I1C	0.40164	-0.2846	0.399	0.45	1	HC_vs_MS.NoTrt_F
USP1	0.4018	0.78617	0.197	0.23	1	HC_vs_MS.NoTrt_F
GALNT2	0.40184	-0.3472	0.286	0.32	1	HC_vs_MS.NoTrt_F
MBTPS2	0.40194	-0.4701	0.353	0.38	1	HC_vs_MS.NoTrt_F
DDX11	0.40207	-0.2731	0.486	0.5	1	HC_vs_MS.NoTrt_F
MX2	0.4027	0.37085	0.913	0.9	1	HC_vs_MS.NoTrt_F
ORC2	0.40282	0.30824	0.694	0.73	1	HC_vs_MS.NoTrt_F
TM7SF3	0.40343	-0.5773	0.951	0.93	1	HC_vs_MS.NoTrt_F
ATP6V0B	0.40364	0.612	0.26	0.32	1	HC_vs_MS.NoTrt_F
TIPIN	0.4043	0.51172	0.639	0.62	1	HC_vs_MS.NoTrt_F
FNIP2	0.40448	0.43734	0.35	0.4	1	HC_vs_MS.NoTrt_F
PRKCE	0.40454	0.68166	0.171	0.2	1	HC_vs_MS.NoTrt_F
FCHO2	0.40497	-0.2802	0.353	0.39	1	HC_vs_MS.NoTrt_F
KIF19	0.40587	-0.5643	0.425	0.45	1	HC_vs_MS.NoTrt_F
ITGA11	0.40594	0.69783	0.708	0.7	1	HC_vs_MS.NoTrt_F
PRKAG1	0.40594	0.5254	0.63	0.68	1	HC_vs_MS.NoTrt_F
PTDSS2	0.40655	2.39343	0.107	0.14	1	HC_vs_MS.NoTrt_F
OBSCN	0.40668	0.28756	0.269	0.3	1	HC_vs_MS.NoTrt_F
RP11-793H1	0.40675	0.36847	0.329	0.37	1	HC_vs_MS.NoTrt_F
BBS2	0.40683	0.31059	0.737	0.77	1	HC_vs_MS.NoTrt_F
INO80D	0.40701	0.35756	0.483	0.54	1	HC_vs_MS.NoTrt_F
ZNF165	0.40703	0.91898	0.09	0.12	1	HC_vs_MS.NoTrt_F
TBC1D8	0.40709	0.29652	0.445	0.5	1	HC_vs_MS.NoTrt_F
FBLN1	0.40743	0.58333	0.188	0.23	1	HC_vs_MS.NoTrt_F
FOXP4	0.40745	0.4137	0.422	0.44	1	HC_vs_MS.NoTrt_F
GRK5	0.40786	0.46373	0.22	0.26	1	HC_vs_MS.NoTrt_F
PRPF40B	0.40811	0.60806	0.387	0.36	1	HC_vs_MS.NoTrt_F

NOL11	0.4096	-0.2812	0.578	0.56	1	HC_vs_MS.NoTrt_F
RSAD2	0.40982	-0.6274	0.425	0.39	1	HC_vs_MS.NoTrt_F
PICK1	0.40999	1.40396	0.52	0.5	1	HC_vs_MS.NoTrt_F
LRRC2	0.41	-0.3587	0.795	0.79	1	HC_vs_MS.NoTrt_F
HSD17B4	0.4102	-0.3166	0.656	0.7	1	HC_vs_MS.NoTrt_F
COMMD9	0.41047	-0.4989	0.503	0.46	1	HC_vs_MS.NoTrt_F
CENPF	0.41052	0.35585	0.431	0.49	1	HC_vs_MS.NoTrt_F
UVSSA	0.41108	0.2623	0.824	0.81	1	HC_vs_MS.NoTrt_F
MDGA1	0.41143	0.56339	0.087	0.11	1	HC_vs_MS.NoTrt_F
MAML1	0.41173	0.71037	0.208	0.25	1	HC_vs_MS.NoTrt_F
CYB5R2	0.41176	0.62375	0.575	0.53	1	HC_vs_MS.NoTrt_F
PWP2	0.41206	0.34238	0.124	0.16	1	HC_vs_MS.NoTrt_F
ELL2	0.41306	0.37408	0.09	0.12	1	HC_vs_MS.NoTrt_F
EID2B	0.41347	1.09578	0.523	0.57	1	HC_vs_MS.NoTrt_F
SSC5D	0.41359	-0.3635	0.092	0.12	1	HC_vs_MS.NoTrt_F
PIK3R3	0.41369	0.37276	0.569	0.65	1	HC_vs_MS.NoTrt_F
HIPK1	0.41374	0.80451	0.263	0.31	1	HC_vs_MS.NoTrt_F
CCDC124	0.41388	0.37641	0.488	0.54	1	HC_vs_MS.NoTrt_F
ING5	0.41457	-0.2627	0.948	0.94	1	HC_vs_MS.NoTrt_F
DNAH11	0.41481	0.32739	0.329	0.4	1	HC_vs_MS.NoTrt_F
PLOD2	0.41483	0.42662	0.439	0.45	1	HC_vs_MS.NoTrt_F
AC240274.1	0.4153	0.65781	0.283	0.33	1	HC_vs_MS.NoTrt_F
BHMT	0.41552	0.3391	0.595	0.57	1	HC_vs_MS.NoTrt_F
SOWAHC	0.41572	-0.3156	0.514	0.55	1	HC_vs_MS.NoTrt_F
TMEM44	0.41591	-0.3984	0.679	0.64	1	HC_vs_MS.NoTrt_F
OAZ2	0.4162	-0.5297	0.815	0.85	1	HC_vs_MS.NoTrt_F
TMEM71	0.41641	1.32261	0.116	0.14	1	HC_vs_MS.NoTrt_F
NTAN1	0.41668	0.27078	0.772	0.77	1	HC_vs_MS.NoTrt_F
TMEM80	0.41713	0.50516	0.552	0.6	1	HC_vs_MS.NoTrt_F
CARD16	0.41732	0.46533	0.361	0.41	1	HC_vs_MS.NoTrt_F
MRPL22	0.41734	0.56071	0.28	0.32	1	HC_vs_MS.NoTrt_F
GON4L	0.41757	0.41235	0.887	0.88	1	HC_vs_MS.NoTrt_F
CYP3A5	0.41767	0.26553	0.884	0.93	1	HC_vs_MS.NoTrt_F
CHST3	0.41798	1.18331	0.188	0.22	1	HC_vs_MS.NoTrt_F
ZNF335	0.41826	0.47853	0.376	0.41	1	HC_vs_MS.NoTrt_F
RBMXL1	0.41861	0.38054	0.153	0.18	1	HC_vs_MS.NoTrt_F
PLXNA3	0.41872	0.72061	0.861	0.85	1	HC_vs_MS.NoTrt_F
CPNE2	0.41877	-0.4716	0.477	0.47	1	HC_vs_MS.NoTrt_F
PQLC1	0.41888	0.29741	0.569	0.54	1	HC_vs_MS.NoTrt_F
LINC00116	0.41894	0.61731	0.176	0.21	1	HC_vs_MS.NoTrt_F

TOMM70	0.419	0.65197	0.188	0.22	1	HC_vs_MS.NoTrt_F
CA5B	0.41919	0.67097	0.879	0.9	1	HC_vs_MS.NoTrt_F
RBM33	0.41922	0.9	0.277	0.33	1	HC_vs_MS.NoTrt_F
BACE2	0.41956	0.73508	0.306	0.33	1	HC_vs_MS.NoTrt_F
PCDHB16	0.42031	0.66723	0.358	0.39	1	HC_vs_MS.NoTrt_F
LSM5	0.42105	0.64742	0.561	0.5	1	HC_vs_MS.NoTrt_F
SLC35E2	0.42114	0.5373	0.477	0.52	1	HC_vs_MS.NoTrt_F
FAHD1	0.42115	-0.4921	0.358	0.39	1	HC_vs_MS.NoTrt_F
RP3-461F17	0.42135	0.80294	0.283	0.32	1	HC_vs_MS.NoTrt_F
STARD10	0.42142	0.33245	0.855	0.88	1	HC_vs_MS.NoTrt_F
ABHD2	0.42142	-0.252	0.659	0.69	1	HC_vs_MS.NoTrt_F
CHST14	0.42146	0.31997	0.303	0.28	1	HC_vs_MS.NoTrt_F
NTPCR	0.42169	0.44148	0.468	0.5	1	HC_vs_MS.NoTrt_F
C7orf50	0.42171	0.57471	0.355	0.39	1	HC_vs_MS.NoTrt_F
CKAP2L	0.42226	0.31618	0.512	0.57	1	HC_vs_MS.NoTrt_F
HN1L	0.42254	0.68678	0.416	0.39	1	HC_vs_MS.NoTrt_F
TXNL4B	0.42265	-0.4468	0.41	0.43	1	HC_vs_MS.NoTrt_F
SUPT6H	0.42315	0.60359	0.679	0.7	1	HC_vs_MS.NoTrt_F
GPR35	0.42409	-1.0018	0.321	0.33	1	HC_vs_MS.NoTrt_F
AHCYL2	0.42474	1.68089	0.194	0.23	1	HC_vs_MS.NoTrt_F
CACNG8	0.42479	0.38462	0.835	0.74	1	HC_vs_MS.NoTrt_F
TAOK2	0.42525	-0.6502	0.179	0.2	1	HC_vs_MS.NoTrt_F
ZADH2	0.42529	0.26771	0.861	0.83	1	HC_vs_MS.NoTrt_F
MME	0.4254	0.45374	0.48	0.52	1	HC_vs_MS.NoTrt_F
PRR29	0.4254	-0.3329	0.26	0.28	1	HC_vs_MS.NoTrt_F
RBM5	0.42572	0.36926	0.861	0.87	1	HC_vs_MS.NoTrt_F
ZNF670	0.42577	1.14007	0.205	0.24	1	HC_vs_MS.NoTrt_F
TAL1	0.42614	0.5617	0.26	0.23	1	HC_vs_MS.NoTrt_F
SNTN	0.42692	0.31287	0.344	0.38	1	HC_vs_MS.NoTrt_F
ZNF773	0.42708	0.39929	0.662	0.6	1	HC_vs_MS.NoTrt_F
CSAD	0.42734	0.2976	0.858	0.86	1	HC_vs_MS.NoTrt_F
BBS5	0.42785	0.2826	0.361	0.33	1	HC_vs_MS.NoTrt_F
MAPKBP1	0.42786	0.98174	0.552	0.51	1	HC_vs_MS.NoTrt_F
FBXL22	0.4279	1.12964	0.13	0.16	1	HC_vs_MS.NoTrt_F
ZZZ3	0.42865	0.38926	0.824	0.82	1	HC_vs_MS.NoTrt_F
KLF9	0.42874	1.50547	0.09	0.12	1	HC_vs_MS.NoTrt_F
THNSL1	0.42893	-0.3086	0.153	0.19	1	HC_vs_MS.NoTrt_F
SACS	0.4293	0.38756	0.153	0.18	1	HC_vs_MS.NoTrt_F
HCST	0.42959	0.35157	0.434	0.54	1	HC_vs_MS.NoTrt_F
TRIB3	0.42983	-0.416	0.121	0.15	1	HC_vs_MS.NoTrt_F

LIN7B	0.43098	-0.5914	0.338	0.37	1	HC_vs_MS.NoTrt_F
RLF	0.43132	0.46712	0.275	0.32	1	HC_vs_MS.NoTrt_F
ZNF441	0.43143	0.33062	0.197	0.23	1	HC_vs_MS.NoTrt_F
PEX1	0.43144	0.48379	0.792	0.79	1	HC_vs_MS.NoTrt_F
GPR65	0.4319	0.70479	0.335	0.37	1	HC_vs_MS.NoTrt_F
ZNF675	0.43194	0.51779	0.954	0.96	1	HC_vs_MS.NoTrt_F
SEC31B	0.43213	0.27344	0.451	0.49	1	HC_vs_MS.NoTrt_F
DENND5A	0.43224	0.42559	0.275	0.32	1	HC_vs_MS.NoTrt_F
NBPF12	0.43317	0.64003	0.347	0.38	1	HC_vs_MS.NoTrt_F
PALM2	0.43352	0.26248	0.497	0.48	1	HC_vs_MS.NoTrt_F
RALGAPA2	0.43396	1.20069	0.205	0.25	1	HC_vs_MS.NoTrt_F
ANKRD42	0.43424	0.5436	0.442	0.48	1	HC_vs_MS.NoTrt_F
AKAP8	0.4349	0.30895	0.422	0.45	1	HC_vs_MS.NoTrt_F
NSUN4	0.43508	0.68611	0.806	0.81	1	HC_vs_MS.NoTrt_F
ZC3HC1	0.43517	0.40957	0.517	0.56	1	HC_vs_MS.NoTrt_F
FERMT2	0.43543	0.26392	0.569	0.53	1	HC_vs_MS.NoTrt_F
TPRG1	0.4355	0.63568	0.263	0.3	1	HC_vs_MS.NoTrt_F
SF1	0.43593	0.49243	0.604	0.72	1	HC_vs_MS.NoTrt_F
RIN1	0.43671	1.11661	0.199	0.23	1	HC_vs_MS.NoTrt_F
TECPR2	0.43676	1.81942	0.338	0.37	1	HC_vs_MS.NoTrt_F
SPACA9	0.43736	-0.3444	0.685	0.64	1	HC_vs_MS.NoTrt_F
SWAP70	0.43762	-1.4823	0.483	0.49	1	HC_vs_MS.NoTrt_F
NCBP1	0.43804	0.54006	0.688	0.7	1	HC_vs_MS.NoTrt_F
CARD6	0.43861	-0.6439	0.552	0.5	1	HC_vs_MS.NoTrt_F
TM4SF19	0.43937	0.28502	0.616	0.62	1	HC_vs_MS.NoTrt_F
PPT2	0.44012	0.29619	0.604	0.56	1	HC_vs_MS.NoTrt_F
HNRNPA1L2	0.44015	-0.5219	0.341	0.38	1	HC_vs_MS.NoTrt_F
SIRT5	0.44061	0.76966	0.879	0.86	1	HC_vs_MS.NoTrt_F
ITGB2	0.44127	0.57819	0.685	0.74	1	HC_vs_MS.NoTrt_F
TNS4	0.44131	0.51172	0.572	0.57	1	HC_vs_MS.NoTrt_F
NBPF19	0.44141	1.15965	0.474	0.46	1	HC_vs_MS.NoTrt_F
RHBDD1	0.44158	0.301	0.422	0.44	1	HC_vs_MS.NoTrt_F
CITED2	0.44211	1.28519	0.249	0.3	1	HC_vs_MS.NoTrt_F
MLF1	0.44266	0.91724	0.367	0.41	1	HC_vs_MS.NoTrt_F
TRHDE	0.44274	0.36543	0.283	0.26	1	HC_vs_MS.NoTrt_F
RP11-437B1	0.44312	0.44247	0.639	0.68	1	HC_vs_MS.NoTrt_F
LZTR1	0.44343	-0.4505	0.332	0.34	1	HC_vs_MS.NoTrt_F
PRKCI	0.4442	-0.4023	0.419	0.42	1	HC_vs_MS.NoTrt_F
FEZ1	0.44422	0.25138	0.621	0.6	1	HC_vs_MS.NoTrt_F
ABHD14A	0.44428	0.28729	0.564	0.59	1	HC_vs_MS.NoTrt_F

ZMIZ1	0.44433	0.92277	0.162	0.19	1	HC_vs_MS.NoTrt_F
MCOLN3	0.4444	0.51413	0.517	0.56	1	HC_vs_MS.NoTrt_F
CHP1	0.44445	0.44916	0.806	0.82	1	HC_vs_MS.NoTrt_F
NFKBIZ	0.4452	0.51919	0.445	0.5	1	HC_vs_MS.NoTrt_F
CTTNBP2NL	0.44522	0.61822	0.503	0.54	1	HC_vs_MS.NoTrt_F
MRPL12	0.44529	1.91308	0.095	0.12	1	HC_vs_MS.NoTrt_F
NCAPD2	0.44569	-0.3514	0.454	0.46	1	HC_vs_MS.NoTrt_F
ZNF846	0.44582	0.37839	0.494	0.53	1	HC_vs_MS.NoTrt_F
ELN	0.44679	0.40462	0.72	0.74	1	HC_vs_MS.NoTrt_F
NUMBL	0.44736	0.37756	0.627	0.58	1	HC_vs_MS.NoTrt_F
POGZ	0.44778	0.41534	0.876	0.86	1	HC_vs_MS.NoTrt_F
MKRN3	0.4478	0.89173	0.587	0.54	1	HC_vs_MS.NoTrt_F
YARS	0.44788	-0.2593	0.89	0.9	1	HC_vs_MS.NoTrt_F
GLT8D1	0.44789	-0.5477	0.312	0.33	1	HC_vs_MS.NoTrt_F
TIMM50	0.44856	0.32022	0.98	0.99	1	HC_vs_MS.NoTrt_F
NBPF1	0.44857	0.56478	0.283	0.33	1	HC_vs_MS.NoTrt_F
SSPO	0.44934	0.28795	0.199	0.23	1	HC_vs_MS.NoTrt_F
LYZ	0.44935	1.4033	0.503	0.48	1	HC_vs_MS.NoTrt_F
MCM3AP	0.44948	0.36467	0.546	0.56	1	HC_vs_MS.NoTrt_F
MKLN1	0.44981	0.63759	0.665	0.66	1	HC_vs_MS.NoTrt_F
SEPN1	0.44987	0.35359	0.442	0.43	1	HC_vs_MS.NoTrt_F
MTUS1	0.44988	0.51799	0.41	0.44	1	HC_vs_MS.NoTrt_F
RBKS	0.45003	0.66139	0.145	0.18	1	HC_vs_MS.NoTrt_F
SRRM2	0.45009	0.34511	0.754	0.79	1	HC_vs_MS.NoTrt_F
CH507-42P1	0.45051	0.99735	0.257	0.3	1	HC_vs_MS.NoTrt_F
ICMT	0.45057	-0.6872	0.74	0.66	1	HC_vs_MS.NoTrt_F
EIF2AK2	0.45066	0.28417	0.829	0.85	1	HC_vs_MS.NoTrt_F
IL18	0.45133	0.84965	0.491	0.53	1	HC_vs_MS.NoTrt_F
MMAB	0.4516	-0.351	0.717	0.71	1	HC_vs_MS.NoTrt_F
RSPRY1	0.45166	0.37184	0.416	0.46	1	HC_vs_MS.NoTrt_F
CXCR4	0.45171	0.31411	0.37	0.44	1	HC_vs_MS.NoTrt_F
LPIN3	0.45209	-0.26	0.552	0.49	1	HC_vs_MS.NoTrt_F
ESCO1	0.45239	0.33446	0.439	0.51	1	HC_vs_MS.NoTrt_F
C8orf44	0.45259	-0.3604	0.526	0.58	1	HC_vs_MS.NoTrt_F
HBS1L	0.45293	0.2847	0.618	0.68	1	HC_vs_MS.NoTrt_F
RAD1	0.45331	0.26568	0.717	0.74	1	HC_vs_MS.NoTrt_F
MYH10	0.45411	0.67354	0.147	0.17	1	HC_vs_MS.NoTrt_F
BHLHB9	0.45416	-0.2797	0.436	0.48	1	HC_vs_MS.NoTrt_F
EML4	0.45427	0.26177	0.777	0.82	1	HC_vs_MS.NoTrt_F
ZBTB40	0.45532	0.29499	0.526	0.48	1	HC_vs_MS.NoTrt_F



FUS	0.45565	0.2757	0.85	0.9	1	HC_vs_MS.NoTrt_F
ST3GAL2	0.45664	0.37423	0.962	0.99	1	HC_vs_MS.NoTrt_F
PDRG1	0.45721	-0.2707	0.162	0.18	1	HC_vs_MS.NoTrt_F
CCNK	0.45809	0.92668	0.298	0.35	1	HC_vs_MS.NoTrt_F
COL24A1	0.45854	1.28442	0.092	0.12	1	HC_vs_MS.NoTrt_F
ZCCHC7	0.45857	0.68871	0.332	0.39	1	HC_vs_MS.NoTrt_F
RND1	0.45863	0.28871	0.613	0.62	1	HC_vs_MS.NoTrt_F
PLA2G12A	0.45884	0.37309	0.679	0.72	1	HC_vs_MS.NoTrt_F
GTF2E1	0.45937	0.85951	0.295	0.33	1	HC_vs_MS.NoTrt_F
TNS2	0.4599	1.31201	0.39	0.41	1	HC_vs_MS.NoTrt_F
HLA-DOA	0.45996	-0.468	0.743	0.67	1	HC_vs_MS.NoTrt_F
DHRS1	0.46021	-0.3789	0.671	0.66	1	HC_vs_MS.NoTrt_F
NCF1	0.46064	2.31063	0.543	0.6	1	HC_vs_MS.NoTrt_F
VPS50	0.46102	-0.4194	0.665	0.64	1	HC_vs_MS.NoTrt_F
QKI	0.46111	0.34855	0.448	0.42	1	HC_vs_MS.NoTrt_F
SEMA5A	0.4615	0.60307	0.39	0.42	1	HC_vs_MS.NoTrt_F
RGPD6	0.46229	0.39279	0.685	0.69	1	HC_vs_MS.NoTrt_F
C19orf52	0.46239	0.26956	0.353	0.38	1	HC_vs_MS.NoTrt_F
RGS2	0.4624	1.47429	0.202	0.24	1	HC_vs_MS.NoTrt_F
HLA-DRA	0.46305	0.29981	0.298	0.26	1	HC_vs_MS.NoTrt_F
POMK	0.46318	-0.4797	0.618	0.66	1	HC_vs_MS.NoTrt_F
PLOD3	0.46342	0.68387	0.78	0.78	1	HC_vs_MS.NoTrt_F
USP16	0.46547	0.55233	0.529	0.58	1	HC_vs_MS.NoTrt_F
LRRK1	0.46569	0.30602	0.85	0.86	1	HC_vs_MS.NoTrt_F
IFT122	0.46624	-0.3255	0.916	0.93	1	HC_vs_MS.NoTrt_F
RDH11	0.4663	-0.2631	0.558	0.55	1	HC_vs_MS.NoTrt_F
HAGH	0.46674	-0.2933	0.783	0.79	1	HC_vs_MS.NoTrt_F
ADRA1A	0.46692	0.34032	0.618	0.62	1	HC_vs_MS.NoTrt_F
CD93	0.46734	0.65183	0.361	0.33	1	HC_vs_MS.NoTrt_F
CCNT1	0.4674	1.14591	0.249	0.29	1	HC_vs_MS.NoTrt_F
FBXO6	0.46744	0.68988	0.697	0.65	1	HC_vs_MS.NoTrt_F
TRIM22	0.46757	0.27948	0.934	0.91	1	HC_vs_MS.NoTrt_F
MCM5	0.46763	0.53979	0.263	0.29	1	HC_vs_MS.NoTrt_F
CDK16	0.46822	0.35162	0.254	0.29	1	HC_vs_MS.NoTrt_F
ACTR10	0.46872	-0.5364	0.783	0.82	1	HC_vs_MS.NoTrt_F
TMEM204	0.46886	0.299	0.234	0.25	1	HC_vs_MS.NoTrt_F
COPS7B	0.46921	0.5565	0.769	0.85	1	HC_vs_MS.NoTrt_F
SRGN	0.46978	0.36217	0.642	0.7	1	HC_vs_MS.NoTrt_F
APEX2	0.47006	0.61702	0.402	0.37	1	HC_vs_MS.NoTrt_F
PXMP4	0.47019	0.34702	0.876	0.87	1	HC_vs_MS.NoTrt_F

LEPR	0.47035	0.93985	0.373	0.33	1	HC_vs_MS.NoTrt_F
RBMS3	0.47083	0.59825	0.697	0.78	1	HC_vs_MS.NoTrt_F
TEX2	0.47097	0.98453	0.72	0.73	1	HC_vs_MS.NoTrt_F
SH3YL1	0.47098	-0.7612	0.757	0.71	1	HC_vs_MS.NoTrt_F
RNF24	0.47107	0.44932	0.581	0.61	1	HC_vs_MS.NoTrt_F
ZFP41	0.47175	1.11945	0.168	0.19	1	HC_vs_MS.NoTrt_F
ANKMY1	0.47196	0.9392	0.462	0.44	1	HC_vs_MS.NoTrt_F
TMEM231	0.47264	0.34441	0.766	0.82	1	HC_vs_MS.NoTrt_F
LEO1	0.47305	0.34939	0.61	0.56	1	HC_vs_MS.NoTrt_F
GNLY	0.47355	2.88652	0.312	0.34	1	HC_vs_MS.NoTrt_F
B9D2	0.47382	0.47701	0.393	0.43	1	HC_vs_MS.NoTrt_F
RFX2	0.47391	0.28949	0.514	0.53	1	HC_vs_MS.NoTrt_F
KLHL36	0.47399	0.35642	0.688	0.67	1	HC_vs_MS.NoTrt_F
TYW3	0.47464	0.69823	0.503	0.49	1	HC_vs_MS.NoTrt_F
YIPF6	0.4754	0.5233	0.908	0.89	1	HC_vs_MS.NoTrt_F
ZNF354A	0.47542	0.45837	0.251	0.28	1	HC_vs_MS.NoTrt_F
GNB1	0.47559	0.75376	0.329	0.35	1	HC_vs_MS.NoTrt_F
UTP15	0.47597	-0.9136	0.367	0.39	1	HC_vs_MS.NoTrt_F
ERI2	0.476	0.90099	0.197	0.23	1	HC_vs_MS.NoTrt_F
ZC3H12D	0.47674	0.31502	0.876	0.91	1	HC_vs_MS.NoTrt_F
CLIP2	0.47708	-0.2579	0.405	0.37	1	HC_vs_MS.NoTrt_F
SLCO4C1	0.47802	0.26358	0.188	0.22	1	HC_vs_MS.NoTrt_F
CENPN	0.47812	0.35509	0.217	0.25	1	HC_vs_MS.NoTrt_F
HIST2H2AA3	0.47814	0.98273	0.124	0.16	1	HC_vs_MS.NoTrt_F
GABBR1	0.47839	0.90327	0.208	0.24	1	HC_vs_MS.NoTrt_F
NINJ1	0.47852	0.46686	0.613	0.65	1	HC_vs_MS.NoTrt_F
MAPKAPK3	0.47871	0.91418	0.24	0.28	1	HC_vs_MS.NoTrt_F
ISG20L2	0.47873	0.35687	0.85	0.87	1	HC_vs_MS.NoTrt_F
RAB6A	0.4791	0.29201	0.436	0.49	1	HC_vs_MS.NoTrt_F
MTF1	0.47916	-0.5392	0.327	0.35	1	HC_vs_MS.NoTrt_F
ANKRD12	0.4792	0.26828	0.867	0.87	1	HC_vs_MS.NoTrt_F
GRB10	0.47957	1.00248	0.341	0.32	1	HC_vs_MS.NoTrt_F
GDE1	0.47966	0.52942	0.315	0.34	1	HC_vs_MS.NoTrt_F
ST7L	0.47989	0.31237	0.529	0.48	1	HC_vs_MS.NoTrt_F
SERPINH1	0.47994	-0.2612	0.39	0.41	1	HC_vs_MS.NoTrt_F
HLA-DRB5	0.48004	-1.9688	0.246	0.21	1	HC_vs_MS.NoTrt_F
GIGYF2	0.48046	-0.4166	0.925	0.92	1	HC_vs_MS.NoTrt_F
PLPP3	0.48057	0.74996	0.315	0.33	1	HC_vs_MS.NoTrt_F
CYTH4	0.48129	-0.2766	0.844	0.82	1	HC_vs_MS.NoTrt_F
ANKRD17	0.48136	0.45338	0.295	0.34	1	HC_vs_MS.NoTrt_F

SLC4A5	0.48148	0.38411	0.827	0.85	1	HC_vs_MS.NoTrt_F
ZNF551	0.48177	1.18321	0.543	0.56	1	HC_vs_MS.NoTrt_F
SC5D	0.48264	0.44323	0.679	0.63	1	HC_vs_MS.NoTrt_F
FAF2	0.48264	0.6293	0.191	0.22	1	HC_vs_MS.NoTrt_F
FAM98B	0.48303	0.28702	0.523	0.5	1	HC_vs_MS.NoTrt_F
ZNF260	0.48304	-0.2741	0.627	0.65	1	HC_vs_MS.NoTrt_F
RILPL1	0.48331	0.3287	0.954	0.98	1	HC_vs_MS.NoTrt_F
RER1	0.48371	0.72322	0.257	0.3	1	HC_vs_MS.NoTrt_F
RNFT1	0.48399	0.38131	0.442	0.45	1	HC_vs_MS.NoTrt_F
BRAT1	0.48419	0.47527	0.338	0.37	1	HC_vs_MS.NoTrt_F
ZRANB3	0.48421	0.3103	0.737	0.76	1	HC_vs_MS.NoTrt_F
UST	0.48461	0.36905	0.37	0.33	1	HC_vs_MS.NoTrt_F
SAA2	0.48505	0.25794	0.457	0.41	1	HC_vs_MS.NoTrt_F
HERC2	0.4852	0.25821	0.91	0.91	1	HC_vs_MS.NoTrt_F
TRPV1	0.48635	0.49158	0.477	0.54	1	HC_vs_MS.NoTrt_F
FBXL4	0.48672	0.41672	0.546	0.58	1	HC_vs_MS.NoTrt_F
RABAC1	0.48676	0.54408	0.283	0.33	1	HC_vs_MS.NoTrt_F
RPP30	0.48756	0.47052	0.679	0.66	1	HC_vs_MS.NoTrt_F
TOR4A	0.4878	0.409	0.254	0.28	1	HC_vs_MS.NoTrt_F
SUDS3	0.48826	-0.3129	0.841	0.81	1	HC_vs_MS.NoTrt_F
USP33	0.48828	0.2686	0.965	0.95	1	HC_vs_MS.NoTrt_F
ABCB9	0.48834	0.42904	0.85	0.9	1	HC_vs_MS.NoTrt_F
ARRB1	0.48852	0.67118	0.763	0.81	1	HC_vs_MS.NoTrt_F
NPIPB3	0.48887	0.62245	0.777	0.83	1	HC_vs_MS.NoTrt_F
MICU1	0.48887	0.36403	0.74	0.73	1	HC_vs_MS.NoTrt_F
EXOGL	0.489	0.25839	0.561	0.58	1	HC_vs_MS.NoTrt_F
MTAP	0.48907	0.53855	0.789	0.87	1	HC_vs_MS.NoTrt_F
TUBG1	0.48926	1.16756	0.668	0.61	1	HC_vs_MS.NoTrt_F
TSR2	0.48943	-0.3452	0.46	0.46	1	HC_vs_MS.NoTrt_F
CR1	0.48979	0.93842	0.618	0.57	1	HC_vs_MS.NoTrt_F
SLC25A14	0.49045	0.86658	0.324	0.35	1	HC_vs_MS.NoTrt_F
ANKEF1	0.49069	-1.4581	0.269	0.29	1	HC_vs_MS.NoTrt_F
OTUD4	0.49074	0.52941	0.699	0.71	1	HC_vs_MS.NoTrt_F
CHCHD5	0.49148	0.65142	0.532	0.53	1	HC_vs_MS.NoTrt_F
MAGED1	0.49165	-0.3658	0.775	0.79	1	HC_vs_MS.NoTrt_F
TRIM33	0.49178	0.40211	0.396	0.35	1	HC_vs_MS.NoTrt_F
GOLPH3L	0.49192	0.65606	0.263	0.28	1	HC_vs_MS.NoTrt_F
ZNF772	0.49195	0.37249	0.471	0.52	1	HC_vs_MS.NoTrt_F
CRLF2	0.49219	1.03394	0.37	0.41	1	HC_vs_MS.NoTrt_F
CLU	0.49284	0.85762	0.561	0.6	1	HC_vs_MS.NoTrt_F

FAM161A	0.49313	0.33594	0.725	0.73	1	HC_vs_MS.NoTrt_F
SPIB	0.4933	0.28035	0.818	0.86	1	HC_vs_MS.NoTrt_F
ACSS1	0.49339	0.61474	0.627	0.67	1	HC_vs_MS.NoTrt_F
PTK2B	0.49354	0.56783	0.491	0.49	1	HC_vs_MS.NoTrt_F
CCDC85C	0.49385	0.59366	0.477	0.47	1	HC_vs_MS.NoTrt_F
DNAJB5	0.49434	0.39351	0.231	0.21	1	HC_vs_MS.NoTrt_F
KLHDC10	0.4947	-0.7439	0.436	0.4	1	HC_vs_MS.NoTrt_F
PDE3A	0.49479	-0.4139	0.246	0.28	1	HC_vs_MS.NoTrt_F
MECR	0.49498	-0.318	0.405	0.44	1	HC_vs_MS.NoTrt_F
C22orf39	0.49499	0.37368	0.763	0.75	1	HC_vs_MS.NoTrt_F
HIKESHI	0.4951	0.28597	0.532	0.57	1	HC_vs_MS.NoTrt_F
RHOF	0.49524	0.27796	0.757	0.78	1	HC_vs_MS.NoTrt_F
IFT74	0.49587	0.32032	0.465	0.49	1	HC_vs_MS.NoTrt_F
MYO7A	0.49621	0.91252	0.361	0.41	1	HC_vs_MS.NoTrt_F
NAA40	0.49651	-0.3647	0.561	0.55	1	HC_vs_MS.NoTrt_F
HACD3	0.4968	-0.3551	0.821	0.81	1	HC_vs_MS.NoTrt_F
MEGF8	0.49689	1.48569	0.532	0.54	1	HC_vs_MS.NoTrt_F
PRKX	0.49722	0.30631	0.636	0.68	1	HC_vs_MS.NoTrt_F
GSTM3	0.49726	0.74971	0.598	0.6	1	HC_vs_MS.NoTrt_F
MAPRE2	0.49736	0.33988	0.338	0.39	1	HC_vs_MS.NoTrt_F
TRAT1	0.49756	0.74881	0.249	0.24	1	HC_vs_MS.NoTrt_F
SLIT1	0.49835	0.65344	0.277	0.32	1	HC_vs_MS.NoTrt_F
CDT1	0.49853	0.3474	0.5	0.49	1	HC_vs_MS.NoTrt_F
KCNRG	0.499	0.35161	0.425	0.46	1	HC_vs_MS.NoTrt_F
GATS	0.49938	-0.3737	0.393	0.41	1	HC_vs_MS.NoTrt_F
MT-CO3	0.49944	0.29206	0.679	0.67	1	HC_vs_MS.NoTrt_F
REPS1	0.4995	0.25754	0.662	0.72	1	HC_vs_MS.NoTrt_F
TAB3	0.49952	0.68674	0.749	0.81	1	HC_vs_MS.NoTrt_F
EMC2	0.4996	0.3939	0.517	0.54	1	HC_vs_MS.NoTrt_F
DZIP1	0.5003	0.39705	0.393	0.35	1	HC_vs_MS.NoTrt_F
TSPOAP1	0.50046	0.97045	0.321	0.29	1	HC_vs_MS.NoTrt_F
IFITM1	0.50047	0.32851	0.546	0.66	1	HC_vs_MS.NoTrt_F
KIF13A	0.50052	1.32119	0.364	0.35	1	HC_vs_MS.NoTrt_F
CLNK	0.50084	0.29603	0.743	0.69	1	HC_vs_MS.NoTrt_F
CERS4	0.50152	0.73517	0.659	0.64	1	HC_vs_MS.NoTrt_F
GNG7	0.50196	-0.5571	0.413	0.46	1	HC_vs_MS.NoTrt_F
ADGRG1	0.50269	0.53656	0.749	0.72	1	HC_vs_MS.NoTrt_F
GATC	0.50279	0.35916	0.604	0.6	1	HC_vs_MS.NoTrt_F
FLNB	0.50285	0.77068	0.471	0.43	1	HC_vs_MS.NoTrt_F
P3H2	0.50289	0.59593	0.517	0.56	1	HC_vs_MS.NoTrt_F

VCL	0.50294	0.97418	0.188	0.22	1	HC_vs_MS.NoTrt_F
THEM4	0.50336	0.46968	0.838	0.79	1	HC_vs_MS.NoTrt_F
FOS	0.50343	1.03496	0.451	0.5	1	HC_vs_MS.NoTrt_F
TERF2	0.50372	0.28312	0.91	0.87	1	HC_vs_MS.NoTrt_F
EYS	0.50388	0.34538	0.801	0.83	1	HC_vs_MS.NoTrt_F
B4GALT1	0.50391	0.54103	0.702	0.74	1	HC_vs_MS.NoTrt_F
ZSCAN21	0.50406	-0.7195	0.28	0.31	1	HC_vs_MS.NoTrt_F
PHACTR3	0.50432	0.46741	0.176	0.16	1	HC_vs_MS.NoTrt_F
ASAP1	0.50435	1.2913	0.257	0.24	1	HC_vs_MS.NoTrt_F
ZNF639	0.50454	-0.4117	0.942	0.93	1	HC_vs_MS.NoTrt_F
MRPS6	0.50564	0.25915	0.283	0.32	1	HC_vs_MS.NoTrt_F
DCTN6	0.50623	-0.2693	0.613	0.62	1	HC_vs_MS.NoTrt_F
MED24	0.50646	-0.4096	0.636	0.64	1	HC_vs_MS.NoTrt_F
DBF4	0.50658	0.53764	0.488	0.45	1	HC_vs_MS.NoTrt_F
CCDC152	0.50713	-1.1744	0.251	0.27	1	HC_vs_MS.NoTrt_F
ZNF131	0.50762	0.31453	0.861	0.87	1	HC_vs_MS.NoTrt_F
RNF215	0.50793	-0.3855	0.523	0.54	1	HC_vs_MS.NoTrt_F
ERVW-1	0.50808	0.29284	0.445	0.41	1	HC_vs_MS.NoTrt_F
FRRS1	0.50823	0.31587	0.552	0.55	1	HC_vs_MS.NoTrt_F
USF3	0.50857	0.85432	0.737	0.77	1	HC_vs_MS.NoTrt_F
ZC3H12B	0.50897	-0.4226	0.63	0.62	1	HC_vs_MS.NoTrt_F
KCNB1	0.50908	0.40059	0.925	0.91	1	HC_vs_MS.NoTrt_F
NISCH	0.50965	0.77154	0.454	0.49	1	HC_vs_MS.NoTrt_F
PUS7	0.51	-0.7111	0.373	0.4	1	HC_vs_MS.NoTrt_F
PADI2	0.51039	0.49626	0.315	0.29	1	HC_vs_MS.NoTrt_F
NCAPH2	0.51065	0.76538	0.757	0.81	1	HC_vs_MS.NoTrt_F
APELA	0.51079	0.27257	0.431	0.45	1	HC_vs_MS.NoTrt_F
ITPR3	0.51081	0.75933	0.205	0.24	1	HC_vs_MS.NoTrt_F
EVA1C	0.51098	-0.335	0.202	0.23	1	HC_vs_MS.NoTrt_F
CHTF8	0.51104	0.44933	0.301	0.33	1	HC_vs_MS.NoTrt_F
SMG9	0.51117	0.41634	0.688	0.66	1	HC_vs_MS.NoTrt_F
HDAC9	0.51163	0.35958	0.465	0.49	1	HC_vs_MS.NoTrt_F
ZNF397	0.51195	-0.265	0.962	0.96	1	HC_vs_MS.NoTrt_F
RNASE4	0.51215	0.32596	0.084	0.11	1	HC_vs_MS.NoTrt_F
CATIP	0.51264	0.27124	0.882	0.91	1	HC_vs_MS.NoTrt_F
CLASP2	0.51281	0.6492	0.751	0.82	1	HC_vs_MS.NoTrt_F
PLEKHA1	0.51291	-0.2689	0.96	0.95	1	HC_vs_MS.NoTrt_F
MBTD1	0.51296	0.60971	0.509	0.53	1	HC_vs_MS.NoTrt_F
ZBTB8OS	0.51303	0.34671	0.948	0.98	1	HC_vs_MS.NoTrt_F
ANKRD36B	0.51343	0.29663	0.743	0.77	1	HC_vs_MS.NoTrt_F

KIAA1324L	0.5135	1.17697	0.104	0.13	1	HC_vs_MS.NoTrt_F
PACRGL	0.51369	0.71574	0.312	0.29	1	HC_vs_MS.NoTrt_F
SRPK3	0.51421	-0.2871	0.315	0.34	1	HC_vs_MS.NoTrt_F
PBX1	0.51427	0.27593	0.934	0.95	1	HC_vs_MS.NoTrt_F
ANKRD16	0.51467	0.39211	0.471	0.49	1	HC_vs_MS.NoTrt_F
HIVEP2	0.51495	0.38463	0.382	0.4	1	HC_vs_MS.NoTrt_F
PSMF1	0.51513	0.31813	0.315	0.36	1	HC_vs_MS.NoTrt_F
EPN2	0.51565	0.45145	0.858	0.9	1	HC_vs_MS.NoTrt_F
STARD8	0.51572	0.37966	0.76	0.76	1	HC_vs_MS.NoTrt_F
F5	0.51635	0.59383	0.257	0.3	1	HC_vs_MS.NoTrt_F
HEATR4	0.51646	0.4911	0.413	0.44	1	HC_vs_MS.NoTrt_F
MYO1C	0.51663	0.92731	0.269	0.25	1	HC_vs_MS.NoTrt_F
DCP1A	0.51708	0.43393	0.451	0.4	1	HC_vs_MS.NoTrt_F
CD40	0.51726	-0.3196	0.185	0.21	1	HC_vs_MS.NoTrt_F
GATM	0.51755	0.31732	0.237	0.26	1	HC_vs_MS.NoTrt_F
MBOAT2	0.51812	0.564	0.379	0.33	1	HC_vs_MS.NoTrt_F
MAP3K13	0.51829	0.50697	0.85	0.83	1	HC_vs_MS.NoTrt_F
HFE	0.51898	-0.4065	0.665	0.67	1	HC_vs_MS.NoTrt_F
GAN	0.51959	0.44503	0.876	0.85	1	HC_vs_MS.NoTrt_F
SPAG7	0.51965	0.37039	0.893	0.87	1	HC_vs_MS.NoTrt_F
MAPKAPK2	0.52019	1.13818	0.104	0.13	1	HC_vs_MS.NoTrt_F
CC2D2B	0.5202	0.40174	0.185	0.21	1	HC_vs_MS.NoTrt_F
BCLAF1	0.52069	0.40968	0.512	0.59	1	HC_vs_MS.NoTrt_F
MED29	0.52071	0.25779	0.627	0.67	1	HC_vs_MS.NoTrt_F
MTMR4	0.52119	0.69965	0.298	0.33	1	HC_vs_MS.NoTrt_F
ZHX1	0.52188	-0.5545	0.598	0.61	1	HC_vs_MS.NoTrt_F
UHRF1BP1	0.5219	0.41583	0.616	0.64	1	HC_vs_MS.NoTrt_F
F3	0.52289	0.30945	0.535	0.5	1	HC_vs_MS.NoTrt_F
TNKS	0.52294	0.75808	0.844	0.84	1	HC_vs_MS.NoTrt_F
ABCD4	0.52329	0.36103	0.855	0.83	1	HC_vs_MS.NoTrt_F
DHX37	0.52406	0.40524	0.561	0.57	1	HC_vs_MS.NoTrt_F
TSN	0.52434	-0.6345	0.428	0.44	1	HC_vs_MS.NoTrt_F
AQR	0.52521	-0.363	0.671	0.67	1	HC_vs_MS.NoTrt_F
PIGA	0.52538	-0.5708	0.488	0.51	1	HC_vs_MS.NoTrt_F
11-Sep	0.52539	0.72621	0.538	0.51	1	HC_vs_MS.NoTrt_F
PDIA5	0.52541	0.45356	0.434	0.46	1	HC_vs_MS.NoTrt_F
SEPP1	0.52558	1.30706	0.188	0.22	1	HC_vs_MS.NoTrt_F
GATB	0.52628	1.0095	0.292	0.27	1	HC_vs_MS.NoTrt_F
ABCG8	0.52643	0.69402	0.633	0.67	1	HC_vs_MS.NoTrt_F
SLC41A2	0.52676	0.28298	0.28	0.29	1	HC_vs_MS.NoTrt_F

MED28	0.52697	-0.4094	0.91	0.92	1	HC_vs_MS.NoTrt_F
MTRF1L	0.52703	0.69871	0.133	0.16	1	HC_vs_MS.NoTrt_F
ADAM33	0.52705	0.56805	0.107	0.13	1	HC_vs_MS.NoTrt_F
ZNF284	0.52713	0.26021	0.613	0.61	1	HC_vs_MS.NoTrt_F
LPAR4	0.5274	-0.481	0.185	0.2	1	HC_vs_MS.NoTrt_F
TKT	0.52744	0.41178	0.705	0.66	1	HC_vs_MS.NoTrt_F
SLC36A4	0.52768	-0.405	0.104	0.13	1	HC_vs_MS.NoTrt_F
SLC31A2	0.52795	0.48508	0.13	0.16	1	HC_vs_MS.NoTrt_F
COX19	0.52882	0.632	0.685	0.66	1	HC_vs_MS.NoTrt_F
PUS3	0.52888	1.44949	0.358	0.39	1	HC_vs_MS.NoTrt_F
HHIP	0.5292	0.43207	0.405	0.38	1	HC_vs_MS.NoTrt_F
PLD6	0.52945	-0.6199	0.477	0.48	1	HC_vs_MS.NoTrt_F
FUT10	0.52969	0.38474	0.428	0.44	1	HC_vs_MS.NoTrt_F
HSPA2	0.53012	-0.4696	0.624	0.59	1	HC_vs_MS.NoTrt_F
VAPA	0.53021	0.31312	0.789	0.77	1	HC_vs_MS.NoTrt_F
TLE3	0.53074	0.7707	0.298	0.34	1	HC_vs_MS.NoTrt_F
SPDYE1	0.53081	0.6151	0.483	0.47	1	HC_vs_MS.NoTrt_F
TIMP2	0.53124	1.21164	0.202	0.23	1	HC_vs_MS.NoTrt_F
FUT2	0.53184	0.3392	0.754	0.77	1	HC_vs_MS.NoTrt_F
C12orf57	0.53191	0.56107	0.451	0.41	1	HC_vs_MS.NoTrt_F
ATXN1	0.53205	0.35985	0.39	0.42	1	HC_vs_MS.NoTrt_F
PRAM1	0.53271	0.34211	0.564	0.6	1	HC_vs_MS.NoTrt_F
LINC00672	0.53301	-0.3904	0.572	0.59	1	HC_vs_MS.NoTrt_F
SFMBT2	0.53362	2.82159	0.379	0.38	1	HC_vs_MS.NoTrt_F
STK3	0.5339	0.61489	0.786	0.82	1	HC_vs_MS.NoTrt_F
DYNC1H1	0.53408	0.53741	0.957	0.93	1	HC_vs_MS.NoTrt_F
ZFPM2	0.5342	0.36547	0.442	0.5	1	HC_vs_MS.NoTrt_F
PLEKHG6	0.53454	0.39672	0.303	0.33	1	HC_vs_MS.NoTrt_F
EIF3B	0.53462	0.56493	0.422	0.4	1	HC_vs_MS.NoTrt_F
ZNF75A	0.53483	-0.5199	0.783	0.83	1	HC_vs_MS.NoTrt_F
CGREF1	0.53497	0.49131	0.101	0.12	1	HC_vs_MS.NoTrt_F
MGLL	0.53499	0.34251	0.431	0.4	1	HC_vs_MS.NoTrt_F
PINK1	0.53505	0.75474	0.301	0.33	1	HC_vs_MS.NoTrt_F
LIMS2	0.5355	1.2844	0.142	0.13	1	HC_vs_MS.NoTrt_F
MAB21L3	0.53557	0.30793	0.399	0.4	1	HC_vs_MS.NoTrt_F
MAP3K11	0.53558	0.3808	0.717	0.7	1	HC_vs_MS.NoTrt_F
MYO1D	0.53592	1.90377	0.202	0.23	1	HC_vs_MS.NoTrt_F
CX3CL1	0.53596	0.31547	0.604	0.59	1	HC_vs_MS.NoTrt_F
WARS	0.53634	0.74629	0.315	0.34	1	HC_vs_MS.NoTrt_F
JAM2	0.53646	0.32735	0.607	0.58	1	HC_vs_MS.NoTrt_F

OLFML1	0.53669	0.4118	0.263	0.28	1	HC_vs_MS.NoTrt_F
FBXO45	0.537	0.71375	0.509	0.46	1	HC_vs_MS.NoTrt_F
INPP5B	0.53723	-0.2538	0.96	0.95	1	HC_vs_MS.NoTrt_F
FBXL12	0.53734	-0.4608	0.723	0.71	1	HC_vs_MS.NoTrt_F
MRM2	0.53736	-0.3956	0.393	0.39	1	HC_vs_MS.NoTrt_F
MAD2L1	0.53744	-0.3648	0.477	0.49	1	HC_vs_MS.NoTrt_F
DTWD1	0.53772	0.32475	0.659	0.64	1	HC_vs_MS.NoTrt_F
UBN2	0.53779	-0.7725	0.708	0.64	1	HC_vs_MS.NoTrt_F
ZNF177	0.5382	1.01897	0.107	0.13	1	HC_vs_MS.NoTrt_F
LAPTM4B	0.53833	0.64982	0.225	0.24	1	HC_vs_MS.NoTrt_F
8-Mar	0.53838	1.03484	0.413	0.46	1	HC_vs_MS.NoTrt_F
PROSER3	0.53844	0.6415	0.916	0.9	1	HC_vs_MS.NoTrt_F
TMED9	0.5391	0.27575	0.431	0.47	1	HC_vs_MS.NoTrt_F
GMEB1	0.53926	-0.4422	0.821	0.83	1	HC_vs_MS.NoTrt_F
DCTN2	0.53931	-0.2537	0.662	0.65	1	HC_vs_MS.NoTrt_F
DNM3	0.53943	0.95334	0.121	0.14	1	HC_vs_MS.NoTrt_F
KLHL11	0.53951	0.60988	0.584	0.59	1	HC_vs_MS.NoTrt_F
DNM1	0.53981	0.4316	0.65	0.65	1	HC_vs_MS.NoTrt_F
C9orf3	0.53987	0.86283	0.78	0.79	1	HC_vs_MS.NoTrt_F
AMPD3	0.54021	-0.8584	0.436	0.47	1	HC_vs_MS.NoTrt_F
GRAMD4	0.54053	1.02795	0.104	0.13	1	HC_vs_MS.NoTrt_F
ZBTB20	0.54059	0.32019	0.801	0.8	1	HC_vs_MS.NoTrt_F
ASCC1	0.54099	0.29344	0.714	0.73	1	HC_vs_MS.NoTrt_F
DSCR3	0.54125	0.27284	0.734	0.76	1	HC_vs_MS.NoTrt_F
KIAA1958	0.54159	-0.317	0.728	0.75	1	HC_vs_MS.NoTrt_F
ZNF764	0.54301	1.46572	0.399	0.4	1	HC_vs_MS.NoTrt_F
UBE2J2	0.54325	0.65532	0.361	0.39	1	HC_vs_MS.NoTrt_F
MBD6	0.544	0.77238	0.329	0.32	1	HC_vs_MS.NoTrt_F
SYVN1	0.54416	0.30648	0.298	0.33	1	HC_vs_MS.NoTrt_F
CARD19	0.54424	0.62757	0.37	0.41	1	HC_vs_MS.NoTrt_F
SLC4A8	0.5443	0.38472	0.948	0.92	1	HC_vs_MS.NoTrt_F
MAP3K2	0.54443	0.39815	0.301	0.34	1	HC_vs_MS.NoTrt_F
CRIM1	0.54469	1.06465	0.289	0.27	1	HC_vs_MS.NoTrt_F
SERTAD1	0.54493	0.36686	0.442	0.45	1	HC_vs_MS.NoTrt_F
C16orf45	0.54626	0.7138	0.22	0.25	1	HC_vs_MS.NoTrt_F
ECI2	0.54675	0.38187	0.743	0.7	1	HC_vs_MS.NoTrt_F
CXorf57	0.54697	0.79527	0.179	0.16	1	HC_vs_MS.NoTrt_F
HIST1H1E	0.54711	1.41641	0.136	0.16	1	HC_vs_MS.NoTrt_F
COX7B	0.54721	0.27425	0.552	0.59	1	HC_vs_MS.NoTrt_F
NDUFS1	0.54752	-0.6178	0.962	0.94	1	HC_vs_MS.NoTrt_F



PTGER4	0.5478	0.76039	0.277	0.32	1	HC_vs_MS.NoTrt_F
SYMPK	0.54784	0.53058	0.922	0.92	1	HC_vs_MS.NoTrt_F
TIMM21	0.54791	-0.3955	0.688	0.64	1	HC_vs_MS.NoTrt_F
AP3M2	0.54826	0.65243	0.208	0.24	1	HC_vs_MS.NoTrt_F
PAPOLG	0.54859	0.7023	0.827	0.8	1	HC_vs_MS.NoTrt_F
DLC1	0.54888	0.47699	0.202	0.23	1	HC_vs_MS.NoTrt_F
PNP	0.54896	0.80722	0.416	0.4	1	HC_vs_MS.NoTrt_F
BCO2	0.549	0.29665	0.627	0.58	1	HC_vs_MS.NoTrt_F
PHPT1	0.54933	0.3948	0.228	0.25	1	HC_vs_MS.NoTrt_F
GAL3ST4	0.54956	-0.3299	0.451	0.45	1	HC_vs_MS.NoTrt_F
CRYGS	0.54957	1.09897	0.286	0.32	1	HC_vs_MS.NoTrt_F
FBXO16	0.54961	0.28134	0.327	0.3	1	HC_vs_MS.NoTrt_F
MRI1	0.54963	-0.3247	0.749	0.77	1	HC_vs_MS.NoTrt_F
KIN	0.55038	-0.5741	0.772	0.82	1	HC_vs_MS.NoTrt_F
TCAF2	0.55072	-0.3228	0.78	0.81	1	HC_vs_MS.NoTrt_F
ZNF589	0.55142	0.35474	0.538	0.55	1	HC_vs_MS.NoTrt_F
PHLDA3	0.5517	0.76326	0.425	0.4	1	HC_vs_MS.NoTrt_F
ASPH	0.55183	0.72868	0.569	0.56	1	HC_vs_MS.NoTrt_F
CERKL	0.55252	0.25912	0.451	0.45	1	HC_vs_MS.NoTrt_F
PAQR8	0.55326	0.29083	0.607	0.61	1	HC_vs_MS.NoTrt_F
MYDGF	0.55358	0.5258	0.231	0.26	1	HC_vs_MS.NoTrt_F
PPIL6	0.55367	0.43922	0.54	0.54	1	HC_vs_MS.NoTrt_F
FOCAD	0.55453	0.35812	0.561	0.52	1	HC_vs_MS.NoTrt_F
SVEP1	0.55486	2.16173	0.243	0.22	1	HC_vs_MS.NoTrt_F
MS4A6A	0.55508	1.55636	0.202	0.23	1	HC_vs_MS.NoTrt_F
IL15	0.55564	-0.8237	0.387	0.41	1	HC_vs_MS.NoTrt_F
CAPN10	0.55587	0.57547	0.566	0.58	1	HC_vs_MS.NoTrt_F
PLEKHG4B	0.55589	0.51204	0.509	0.53	1	HC_vs_MS.NoTrt_F
CARMIL1	0.55606	1.24672	0.361	0.32	1	HC_vs_MS.NoTrt_F
KLRG1	0.55606	1.3109	0.465	0.48	1	HC_vs_MS.NoTrt_F
ZNF615	0.5563	0.30203	0.549	0.62	1	HC_vs_MS.NoTrt_F
HDAC4	0.55636	0.46581	0.601	0.65	1	HC_vs_MS.NoTrt_F
METTL25	0.55642	1.25334	0.257	0.24	1	HC_vs_MS.NoTrt_F
ATXN10	0.55738	0.48977	0.587	0.62	1	HC_vs_MS.NoTrt_F
POMT1	0.5575	0.32155	0.584	0.58	1	HC_vs_MS.NoTrt_F
PARP12	0.55775	1.2341	0.269	0.29	1	HC_vs_MS.NoTrt_F
ZNF746	0.55825	0.47169	0.324	0.35	1	HC_vs_MS.NoTrt_F
CNPY4	0.55836	-0.288	0.725	0.72	1	HC_vs_MS.NoTrt_F
PPARGC1B	0.5585	0.47466	0.763	0.76	1	HC_vs_MS.NoTrt_F
TAF1	0.55883	-0.6712	0.815	0.85	1	HC_vs_MS.NoTrt_F

ZFYVE27	0.55915	0.92868	0.225	0.26	1	HC_vs_MS.NoTrt_F
SLC5A12	0.56012	0.4281	0.124	0.15	1	HC_vs_MS.NoTrt_F
FAM168A	0.56013	0.44296	0.185	0.17	1	HC_vs_MS.NoTrt_F
KLK2	0.5604	0.28453	0.379	0.41	1	HC_vs_MS.NoTrt_F
MMP11	0.56106	0.48603	0.431	0.39	1	HC_vs_MS.NoTrt_F
PCBP2	0.56112	0.27605	0.653	0.68	1	HC_vs_MS.NoTrt_F
TTC34	0.56134	0.35445	0.217	0.24	1	HC_vs_MS.NoTrt_F
BCL7B	0.56134	1.24803	0.52	0.48	1	HC_vs_MS.NoTrt_F
TUBB3	0.56146	0.53237	0.292	0.32	1	HC_vs_MS.NoTrt_F
GSK3A	0.56148	-0.6261	0.353	0.37	1	HC_vs_MS.NoTrt_F
SELK	0.562	0.33205	0.54	0.52	1	HC_vs_MS.NoTrt_F
RREB1	0.56213	0.50627	0.812	0.8	1	HC_vs_MS.NoTrt_F
FBXO46	0.56236	0.38884	0.315	0.34	1	HC_vs_MS.NoTrt_F
NFATC2IP	0.56254	0.46938	0.749	0.73	1	HC_vs_MS.NoTrt_F
POMZP3	0.56274	0.50604	0.538	0.54	1	HC_vs_MS.NoTrt_F
NAA30	0.56278	-0.7133	0.54	0.54	1	HC_vs_MS.NoTrt_F
COL1A1	0.56286	0.92228	0.558	0.55	1	HC_vs_MS.NoTrt_F
SCML4	0.56289	0.7982	0.662	0.75	1	HC_vs_MS.NoTrt_F
SNRNP200	0.56333	0.35017	0.815	0.83	1	HC_vs_MS.NoTrt_F
TPSB2	0.56354	3.56604	0.286	0.27	1	HC_vs_MS.NoTrt_F
NUDCD1	0.56441	1.79166	0.162	0.14	1	HC_vs_MS.NoTrt_F
IL4R	0.56521	0.36855	0.506	0.49	1	HC_vs_MS.NoTrt_F
ALDH1L2	0.56636	0.8532	0.335	0.31	1	HC_vs_MS.NoTrt_F
CEP57L1	0.56688	-0.4122	0.601	0.61	1	HC_vs_MS.NoTrt_F
ZNF573	0.56735	-0.2707	0.413	0.43	1	HC_vs_MS.NoTrt_F
GPR174	0.56736	1.02708	0.263	0.26	1	HC_vs_MS.NoTrt_F
RGS11	0.56744	0.89106	0.217	0.2	1	HC_vs_MS.NoTrt_F
ZFYVE21	0.56758	-0.29	0.737	0.73	1	HC_vs_MS.NoTrt_F
ALS2	0.5678	-0.9981	0.497	0.52	1	HC_vs_MS.NoTrt_F
MAPK1IP1L	0.56785	0.33688	0.896	0.9	1	HC_vs_MS.NoTrt_F
NLE1	0.56915	0.33293	0.321	0.35	1	HC_vs_MS.NoTrt_F
STX7	0.56944	0.87951	0.795	0.76	1	HC_vs_MS.NoTrt_F
NSUN6	0.56972	-0.2697	0.728	0.76	1	HC_vs_MS.NoTrt_F
PKN2	0.57012	1.60886	0.379	0.43	1	HC_vs_MS.NoTrt_F
SRD5A1	0.57024	-0.5118	0.749	0.75	1	HC_vs_MS.NoTrt_F
RNGTT	0.57048	0.79512	0.439	0.46	1	HC_vs_MS.NoTrt_F
GJB4	0.57055	0.32094	0.74	0.73	1	HC_vs_MS.NoTrt_F
DDX27	0.57102	0.54887	0.737	0.72	1	HC_vs_MS.NoTrt_F
DENR	0.57103	0.26951	0.751	0.77	1	HC_vs_MS.NoTrt_F
VHL	0.57105	-0.2897	0.815	0.82	1	HC_vs_MS.NoTrt_F

TTC22	0.57136	-0.3479	0.494	0.52	1	HC_vs_MS.NoTrt_F
GET4	0.57213	0.40219	0.535	0.56	1	HC_vs_MS.NoTrt_F
ID2	0.57217	0.63986	0.118	0.14	1	HC_vs_MS.NoTrt_F
CTPS2	0.57232	0.60942	0.142	0.17	1	HC_vs_MS.NoTrt_F
MYO9B	0.57238	0.80465	0.275	0.32	1	HC_vs_MS.NoTrt_F
MRS2	0.57246	0.27826	0.812	0.82	1	HC_vs_MS.NoTrt_F
FAM124B	0.57296	-0.9682	0.118	0.14	1	HC_vs_MS.NoTrt_F
ZNF813	0.57304	0.66061	0.763	0.77	1	HC_vs_MS.NoTrt_F
TMEM107	0.57318	1.0017	0.581	0.58	1	HC_vs_MS.NoTrt_F
GNAQ	0.57346	0.59689	0.257	0.29	1	HC_vs_MS.NoTrt_F
RNPC3	0.57386	0.98265	0.405	0.4	1	HC_vs_MS.NoTrt_F
PDE12	0.57389	-0.3324	0.919	0.91	1	HC_vs_MS.NoTrt_F
HIF1AN	0.57398	0.49672	0.89	0.87	1	HC_vs_MS.NoTrt_F
IQCF3	0.57489	0.27712	0.327	0.37	1	HC_vs_MS.NoTrt_F
RP11-552F3	0.57572	-0.4257	0.22	0.24	1	HC_vs_MS.NoTrt_F
TMPRSS3	0.57634	-0.7085	0.379	0.38	1	HC_vs_MS.NoTrt_F
BCCIP	0.57638	0.56748	0.228	0.25	1	HC_vs_MS.NoTrt_F
ZMAT1	0.57643	0.28452	0.39	0.42	1	HC_vs_MS.NoTrt_F
SPHK2	0.57662	0.88765	0.393	0.37	1	HC_vs_MS.NoTrt_F
TBP	0.57667	0.70849	0.431	0.48	1	HC_vs_MS.NoTrt_F
ELOF1	0.57699	0.3504	0.61	0.64	1	HC_vs_MS.NoTrt_F
FAM219B	0.57757	0.90905	0.566	0.53	1	HC_vs_MS.NoTrt_F
IRS1	0.5776	0.46606	0.107	0.13	1	HC_vs_MS.NoTrt_F
PSMB6	0.57775	0.51581	0.645	0.62	1	HC_vs_MS.NoTrt_F
PSTPIP1	0.57778	0.47771	0.535	0.51	1	HC_vs_MS.NoTrt_F
FAM19A2	0.57809	1.17738	0.289	0.32	1	HC_vs_MS.NoTrt_F
RGS17	0.57832	0.43471	0.488	0.51	1	HC_vs_MS.NoTrt_F
MAK	0.57833	0.65159	0.249	0.23	1	HC_vs_MS.NoTrt_F
AEBP2	0.57947	0.36932	0.754	0.77	1	HC_vs_MS.NoTrt_F
CCDC69	0.57964	-0.5592	0.902	0.88	1	HC_vs_MS.NoTrt_F
BOP1	0.58001	0.69978	0.249	0.26	1	HC_vs_MS.NoTrt_F
KIAA1324	0.58027	-0.5967	0.798	0.81	1	HC_vs_MS.NoTrt_F
PDE8A	0.58044	0.40089	0.526	0.48	1	HC_vs_MS.NoTrt_F
SYBU	0.5807	1.12276	0.113	0.1	1	HC_vs_MS.NoTrt_F
FYTTD1	0.58079	-0.3629	0.838	0.86	1	HC_vs_MS.NoTrt_F
GIT2	0.58116	0.33927	0.751	0.76	1	HC_vs_MS.NoTrt_F
UIMC1	0.5817	-0.4577	0.879	0.86	1	HC_vs_MS.NoTrt_F
SHFM1	0.58266	0.343	0.922	0.92	1	HC_vs_MS.NoTrt_F
WIPI2	0.58276	0.34361	0.549	0.55	1	HC_vs_MS.NoTrt_F
AREL1	0.58319	0.46849	0.52	0.54	1	HC_vs_MS.NoTrt_F

CABIN1	0.58366	0.50342	0.37	0.41	1	HC_vs_MS.NoTrt_F
MRPL48	0.58366	0.27429	0.942	0.95	1	HC_vs_MS.NoTrt_F
PDE4D	0.58398	0.90765	0.405	0.4	1	HC_vs_MS.NoTrt_F
ACTL6A	0.58465	0.27199	0.327	0.34	1	HC_vs_MS.NoTrt_F
RAB13	0.58489	0.2531	0.572	0.51	1	HC_vs_MS.NoTrt_F
MXD1	0.58514	0.9312	0.171	0.19	1	HC_vs_MS.NoTrt_F
LFNG	0.58546	0.53451	0.344	0.32	1	HC_vs_MS.NoTrt_F
SLTM	0.58549	0.52431	0.471	0.5	1	HC_vs_MS.NoTrt_F
MIEF2	0.58558	0.39552	0.54	0.56	1	HC_vs_MS.NoTrt_F
SERPINB6	0.58575	0.75413	0.535	0.56	1	HC_vs_MS.NoTrt_F
KLHL23	0.58578	0.40051	0.223	0.24	1	HC_vs_MS.NoTrt_F
EP400NL	0.58603	-0.323	0.801	0.79	1	HC_vs_MS.NoTrt_F
PAM	0.5866	0.45101	0.445	0.45	1	HC_vs_MS.NoTrt_F
CARNS1	0.58699	0.72441	0.243	0.26	1	HC_vs_MS.NoTrt_F
ZNF585B	0.58728	0.38495	0.772	0.75	1	HC_vs_MS.NoTrt_F
COL16A1	0.5873	1.20293	0.092	0.11	1	HC_vs_MS.NoTrt_F
SPTY2D1	0.58733	0.42503	0.422	0.44	1	HC_vs_MS.NoTrt_F
FBXO25	0.58777	1.66756	0.454	0.41	1	HC_vs_MS.NoTrt_F
LRP2	0.58788	0.43939	0.098	0.12	1	HC_vs_MS.NoTrt_F
SETD6	0.58794	0.47951	0.462	0.49	1	HC_vs_MS.NoTrt_F
RNF7	0.58828	0.31461	0.682	0.68	1	HC_vs_MS.NoTrt_F
SH3BP5	0.58834	-0.2849	0.841	0.83	1	HC_vs_MS.NoTrt_F
MSRB3	0.58851	0.27615	0.523	0.52	1	HC_vs_MS.NoTrt_F
SGK1	0.58887	1.53417	0.416	0.43	1	HC_vs_MS.NoTrt_F
POLI	0.58952	-0.8614	0.41	0.41	1	HC_vs_MS.NoTrt_F
CLEC17A	0.58952	0.73588	0.312	0.3	1	HC_vs_MS.NoTrt_F
FYN	0.58953	0.27669	0.543	0.61	1	HC_vs_MS.NoTrt_F
PPIE	0.58979	0.329	0.789	0.82	1	HC_vs_MS.NoTrt_F
RABL6	0.59097	0.34976	0.578	0.6	1	HC_vs_MS.NoTrt_F
MEGF6	0.591	1.05626	0.162	0.18	1	HC_vs_MS.NoTrt_F
NBPF26	0.59197	0.94714	0.35	0.37	1	HC_vs_MS.NoTrt_F
HENMT1	0.59231	-0.9526	0.327	0.35	1	HC_vs_MS.NoTrt_F
UBE2D4	0.59264	0.56788	0.699	0.64	1	HC_vs_MS.NoTrt_F
TMEM150C	0.59278	0.58113	0.569	0.56	1	HC_vs_MS.NoTrt_F
ARHGAP27	0.59326	0.44147	0.645	0.61	1	HC_vs_MS.NoTrt_F
KIAA0232	0.59328	1.49015	0.156	0.18	1	HC_vs_MS.NoTrt_F
PLCB2	0.59351	0.90225	0.327	0.34	1	HC_vs_MS.NoTrt_F
FBLN7	0.59473	0.77655	0.439	0.43	1	HC_vs_MS.NoTrt_F
ATRNL	0.59532	1.15489	0.165	0.19	1	HC_vs_MS.NoTrt_F
SETD1B	0.59547	0.65925	0.249	0.28	1	HC_vs_MS.NoTrt_F

DCAF17	0.59556	-0.2522	0.483	0.45	1	HC_vs_MS.NoTrt_F
RP11-235E1	0.59569	0.8588	0.28	0.27	1	HC_vs_MS.NoTrt_F
C8orf37	0.59571	0.61575	0.552	0.56	1	HC_vs_MS.NoTrt_F
MICAL3	0.59572	0.45894	0.855	0.83	1	HC_vs_MS.NoTrt_F
ASPA	0.59592	0.28655	0.801	0.81	1	HC_vs_MS.NoTrt_F
IRAK3	0.59603	-0.4385	0.474	0.48	1	HC_vs_MS.NoTrt_F
CDC5L	0.59604	-0.3343	0.697	0.74	1	HC_vs_MS.NoTrt_F
EXD2	0.59611	-1.51	0.275	0.25	1	HC_vs_MS.NoTrt_F
ZNF346	0.59689	-0.3618	0.809	0.8	1	HC_vs_MS.NoTrt_F
C11orf1	0.5973	0.31021	0.835	0.82	1	HC_vs_MS.NoTrt_F
STX17	0.59743	0.45922	0.558	0.55	1	HC_vs_MS.NoTrt_F
CXorf36	0.59756	0.5468	0.474	0.46	1	HC_vs_MS.NoTrt_F
NHSL2	0.59765	0.42839	0.749	0.74	1	HC_vs_MS.NoTrt_F
ITGA2B	0.59857	0.33192	0.471	0.48	1	HC_vs_MS.NoTrt_F
TDRD3	0.59874	0.93244	0.535	0.55	1	HC_vs_MS.NoTrt_F
FAH	0.59897	1.69521	0.205	0.19	1	HC_vs_MS.NoTrt_F
AIFM1	0.59958	-0.5426	0.636	0.63	1	HC_vs_MS.NoTrt_F
RNF207	0.6004	0.33299	0.725	0.7	1	HC_vs_MS.NoTrt_F
ZC3H12C	0.60075	-0.5181	0.133	0.15	1	HC_vs_MS.NoTrt_F
PRSS53	0.60101	1.24872	0.257	0.27	1	HC_vs_MS.NoTrt_F
ZNF678	0.60104	1.63828	0.228	0.25	1	HC_vs_MS.NoTrt_F
NUDT14	0.60168	0.61679	0.509	0.54	1	HC_vs_MS.NoTrt_F
PODN	0.60224	1.54156	0.436	0.46	1	HC_vs_MS.NoTrt_F
RAD9A	0.60249	0.40863	0.529	0.54	1	HC_vs_MS.NoTrt_F
AIFM2	0.60274	0.63329	0.514	0.49	1	HC_vs_MS.NoTrt_F
CD177	0.60281	1.70046	0.095	0.12	1	HC_vs_MS.NoTrt_F
AP5B1	0.60301	-0.4141	0.335	0.37	1	HC_vs_MS.NoTrt_F
TRAP1	0.6031	0.33358	0.766	0.83	1	HC_vs_MS.NoTrt_F
KLHL2	0.60349	0.57656	0.367	0.39	1	HC_vs_MS.NoTrt_F
UBE2R2	0.60357	0.90962	0.156	0.14	1	HC_vs_MS.NoTrt_F
LDHC	0.60363	-0.48	0.225	0.24	1	HC_vs_MS.NoTrt_F
CD79B	0.60424	1.03464	0.173	0.2	1	HC_vs_MS.NoTrt_F
TCTN2	0.60435	0.3328	0.795	0.78	1	HC_vs_MS.NoTrt_F
EIF5A	0.60481	0.77614	0.575	0.65	1	HC_vs_MS.NoTrt_F
CD68	0.60529	0.43676	0.604	0.62	1	HC_vs_MS.NoTrt_F
RP11-1070B	0.60613	0.92709	0.243	0.23	1	HC_vs_MS.NoTrt_F
RHBDD3	0.60632	-0.6673	0.613	0.58	1	HC_vs_MS.NoTrt_F
NPIP9	0.60665	0.39068	0.205	0.23	1	HC_vs_MS.NoTrt_F
NF1	0.60703	0.29554	0.76	0.75	1	HC_vs_MS.NoTrt_F
BRD1	0.60864	1.68649	0.199	0.19	1	HC_vs_MS.NoTrt_F

SLC28A2	0.6087	-0.3279	0.809	0.8	1	HC_vs_MS.NoTrt_F
FOXM1	0.60872	0.49285	0.809	0.8	1	HC_vs_MS.NoTrt_F
B3GNT7	0.60926	0.70698	0.231	0.21	1	HC_vs_MS.NoTrt_F
TANC1	0.61004	0.59539	0.376	0.39	1	HC_vs_MS.NoTrt_F
MAP3K3	0.61029	0.35806	0.179	0.2	1	HC_vs_MS.NoTrt_F
RBM18	0.61029	-0.5695	0.393	0.4	1	HC_vs_MS.NoTrt_F
CREM	0.61072	0.75951	0.445	0.45	1	HC_vs_MS.NoTrt_F
MFSD4A	0.61078	-0.3238	0.535	0.5	1	HC_vs_MS.NoTrt_F
SF3B3	0.61099	0.30374	0.971	0.97	1	HC_vs_MS.NoTrt_F
MTHFD1L	0.61111	0.8892	0.139	0.16	1	HC_vs_MS.NoTrt_F
PKNOX1	0.61155	-0.4313	0.824	0.8	1	HC_vs_MS.NoTrt_F
FAM92A1	0.61167	-0.357	0.358	0.39	1	HC_vs_MS.NoTrt_F
TAZ	0.61197	0.28743	0.59	0.62	1	HC_vs_MS.NoTrt_F
VNN2	0.61213	0.95698	0.188	0.2	1	HC_vs_MS.NoTrt_F
PMPCB	0.61252	0.6897	0.676	0.65	1	HC_vs_MS.NoTrt_F
USP10	0.61313	0.39728	0.321	0.35	1	HC_vs_MS.NoTrt_F
GLB1L3	0.61366	0.29974	0.763	0.75	1	HC_vs_MS.NoTrt_F
NBPF3	0.61373	1.30898	0.488	0.54	1	HC_vs_MS.NoTrt_F
THUMPD3	0.61374	0.38022	0.434	0.45	1	HC_vs_MS.NoTrt_F
PTPRJ	0.61378	0.66526	0.41	0.45	1	HC_vs_MS.NoTrt_F
ZNF74	0.61422	0.59454	0.494	0.51	1	HC_vs_MS.NoTrt_F
NLRP12	0.61526	0.35181	0.775	0.76	1	HC_vs_MS.NoTrt_F
GLUL	0.61552	0.77849	0.263	0.24	1	HC_vs_MS.NoTrt_F
CENPV	0.61568	0.39941	0.801	0.77	1	HC_vs_MS.NoTrt_F
HELZ2	0.61573	-0.2579	0.699	0.71	1	HC_vs_MS.NoTrt_F
LRCH4	0.61588	0.75272	0.575	0.61	1	HC_vs_MS.NoTrt_F
C16orf74	0.61621	-0.4325	0.277	0.29	1	HC_vs_MS.NoTrt_F
MRPL44	0.61625	-0.2695	0.627	0.64	1	HC_vs_MS.NoTrt_F
SLC15A4	0.61665	0.26361	0.775	0.8	1	HC_vs_MS.NoTrt_F
ABCG1	0.61674	-0.2985	0.523	0.5	1	HC_vs_MS.NoTrt_F
SFT2D3	0.61699	0.26047	0.535	0.53	1	HC_vs_MS.NoTrt_F
NHLRC2	0.61724	0.26953	0.798	0.79	1	HC_vs_MS.NoTrt_F
FASLG	0.61754	1.49597	0.124	0.14	1	HC_vs_MS.NoTrt_F
NEXN	0.61778	0.37832	0.535	0.51	1	HC_vs_MS.NoTrt_F
MFN1	0.61779	-0.3988	0.506	0.5	1	HC_vs_MS.NoTrt_F
PNPLA8	0.61797	0.56856	0.468	0.45	1	HC_vs_MS.NoTrt_F
PSG2	0.61828	0.33587	0.124	0.11	1	HC_vs_MS.NoTrt_F
ZNF527	0.61835	0.47227	0.934	0.95	1	HC_vs_MS.NoTrt_F
GSPT1	0.61856	0.30834	0.601	0.61	1	HC_vs_MS.NoTrt_F
CCT6B	0.61866	0.66497	0.312	0.33	1	HC_vs_MS.NoTrt_F

CUL2	0.61903	0.56511	0.272	0.29	1	HC_vs_MS.NoTrt_F
HYAL1	0.61925	-0.3631	0.376	0.4	1	HC_vs_MS.NoTrt_F
TTC28	0.61999	-0.3451	0.46	0.44	1	HC_vs_MS.NoTrt_F
NADK2	0.62022	-0.9597	0.5	0.48	1	HC_vs_MS.NoTrt_F
CREG1	0.62044	0.67116	0.355	0.38	1	HC_vs_MS.NoTrt_F
NR4A1	0.62053	1.20789	0.569	0.57	1	HC_vs_MS.NoTrt_F
WDR19	0.62058	0.77448	0.601	0.61	1	HC_vs_MS.NoTrt_F
ANKRD54	0.62094	0.56941	0.754	0.8	1	HC_vs_MS.NoTrt_F
PON2	0.62135	1.02763	0.442	0.46	1	HC_vs_MS.NoTrt_F
ACE	0.62141	0.31781	0.647	0.7	1	HC_vs_MS.NoTrt_F
SLC35B1	0.62173	0.3895	0.708	0.72	1	HC_vs_MS.NoTrt_F
MCCC2	0.62218	0.6442	0.734	0.75	1	HC_vs_MS.NoTrt_F
HAVCR1	0.62226	0.66535	0.373	0.39	1	HC_vs_MS.NoTrt_F
PLEKHH3	0.62257	0.2882	0.633	0.6	1	HC_vs_MS.NoTrt_F
ST3GAL3	0.62258	0.39147	0.832	0.89	1	HC_vs_MS.NoTrt_F
SCLT1	0.6232	0.87841	0.673	0.67	1	HC_vs_MS.NoTrt_F
LIPT2	0.62341	0.80099	0.173	0.2	1	HC_vs_MS.NoTrt_F
MRPS10	0.62342	0.50113	0.538	0.5	1	HC_vs_MS.NoTrt_F
FAM200A	0.62374	0.84587	0.246	0.26	1	HC_vs_MS.NoTrt_F
GADD45B	0.62387	0.58869	0.22	0.25	1	HC_vs_MS.NoTrt_F
CREB3L4	0.62443	0.41632	0.405	0.44	1	HC_vs_MS.NoTrt_F
RIC3	0.62448	0.27564	0.488	0.52	1	HC_vs_MS.NoTrt_F
BCR	0.62449	0.99402	0.341	0.32	1	HC_vs_MS.NoTrt_F
ACSL1	0.62455	0.29539	0.28	0.29	1	HC_vs_MS.NoTrt_F
PPP6C	0.6247	0.33181	0.272	0.3	1	HC_vs_MS.NoTrt_F
PLXDC1	0.62481	0.49771	0.731	0.75	1	HC_vs_MS.NoTrt_F
VPS37B	0.62524	0.59521	0.694	0.74	1	HC_vs_MS.NoTrt_F
ETV6	0.62532	0.31429	0.246	0.27	1	HC_vs_MS.NoTrt_F
RBM43	0.62541	-0.3346	0.682	0.66	1	HC_vs_MS.NoTrt_F
TGIF1	0.62558	0.53589	0.315	0.35	1	HC_vs_MS.NoTrt_F
LAMP2	0.62575	-0.2556	0.564	0.55	1	HC_vs_MS.NoTrt_F
ZNF707	0.6262	0.61675	0.821	0.79	1	HC_vs_MS.NoTrt_F
B3GAT1	0.62691	0.47212	0.312	0.35	1	HC_vs_MS.NoTrt_F
NR1H2	0.62708	0.69891	0.564	0.61	1	HC_vs_MS.NoTrt_F
TPX2	0.62737	0.39361	0.286	0.27	1	HC_vs_MS.NoTrt_F
IRF2BPL	0.62808	0.45237	0.474	0.51	1	HC_vs_MS.NoTrt_F
PI4KB	0.62842	0.58169	0.251	0.28	1	HC_vs_MS.NoTrt_F
PLEKHH2	0.62849	0.79101	0.697	0.69	1	HC_vs_MS.NoTrt_F
MLPH	0.62882	1.17654	0.514	0.52	1	HC_vs_MS.NoTrt_F
CNR2	0.62887	0.43265	0.844	0.9	1	HC_vs_MS.NoTrt_F

CDC6	0.6295	-0.3201	0.301	0.32	1	HC_vs_MS.NoTrt_F
THAP12	0.62973	-0.7355	0.679	0.66	1	HC_vs_MS.NoTrt_F
SEMA4C	0.63054	0.79138	0.801	0.84	1	HC_vs_MS.NoTrt_F
MBNL2	0.63073	0.8293	0.315	0.3	1	HC_vs_MS.NoTrt_F
BLMH	0.63125	-0.7635	0.65	0.7	1	HC_vs_MS.NoTrt_F
LRP2BP	0.6316	0.38177	0.48	0.49	1	HC_vs_MS.NoTrt_F
CHGB	0.6324	0.46928	0.5	0.49	1	HC_vs_MS.NoTrt_F
ERICH3	0.63269	1.35229	0.118	0.14	1	HC_vs_MS.NoTrt_F
SPHK1	0.63278	-0.4895	0.223	0.2	1	HC_vs_MS.NoTrt_F
ST6GALNAC	0.63323	0.89359	0.257	0.26	1	HC_vs_MS.NoTrt_F
SIK3	0.63337	0.76073	0.367	0.39	1	HC_vs_MS.NoTrt_F
CD40LG	0.63342	1.02457	0.266	0.29	1	HC_vs_MS.NoTrt_F
COA5	0.63499	-0.5164	0.52	0.51	1	HC_vs_MS.NoTrt_F
YIF1A	0.63676	0.88158	0.173	0.2	1	HC_vs_MS.NoTrt_F
IL10RB	0.63682	1.11029	0.523	0.51	1	HC_vs_MS.NoTrt_F
HLA-DRB4	0.63725	0.97987	0.124	0.14	1	HC_vs_MS.NoTrt_F
KLHL18	0.63727	0.81255	0.399	0.42	1	HC_vs_MS.NoTrt_F
ENTPD5	0.63747	0.82234	0.497	0.53	1	HC_vs_MS.NoTrt_F
TNFRSF25	0.63836	0.33068	0.717	0.75	1	HC_vs_MS.NoTrt_F
CD34	0.63841	0.29949	0.665	0.69	1	HC_vs_MS.NoTrt_F
RBM47	0.63857	0.4452	0.494	0.47	1	HC_vs_MS.NoTrt_F
IGF1R	0.63908	1.78012	0.387	0.37	1	HC_vs_MS.NoTrt_F
SIRPB2	0.63947	0.44359	0.416	0.44	1	HC_vs_MS.NoTrt_F
TNFSF4	0.63965	0.7134	0.136	0.16	1	HC_vs_MS.NoTrt_F
ST5	0.64003	0.42837	0.393	0.38	1	HC_vs_MS.NoTrt_F
TSC22D2	0.6413	0.44453	0.488	0.48	1	HC_vs_MS.NoTrt_F
TYW1	0.64166	0.26509	0.312	0.34	1	HC_vs_MS.NoTrt_F
TOMM40	0.64171	-0.3178	0.653	0.65	1	HC_vs_MS.NoTrt_F
MED25	0.64175	0.5787	0.52	0.5	1	HC_vs_MS.NoTrt_F
DDX3X	0.64238	0.50946	0.367	0.4	1	HC_vs_MS.NoTrt_F
FILIP1L	0.64457	0.66496	0.442	0.42	1	HC_vs_MS.NoTrt_F
TRAPPC11	0.64492	0.51368	0.474	0.5	1	HC_vs_MS.NoTrt_F
ADCK1	0.64525	-0.321	0.312	0.33	1	HC_vs_MS.NoTrt_F
TGFBR1	0.64529	1.1925	0.162	0.18	1	HC_vs_MS.NoTrt_F
SCN11A	0.64562	0.26746	0.419	0.46	1	HC_vs_MS.NoTrt_F
WDR89	0.64587	0.96687	0.399	0.43	1	HC_vs_MS.NoTrt_F
GTPBP3	0.64591	0.29044	0.711	0.75	1	HC_vs_MS.NoTrt_F
PCNX1	0.64619	0.27576	0.861	0.86	1	HC_vs_MS.NoTrt_F
DNAJB11	0.64629	0.38963	0.269	0.3	1	HC_vs_MS.NoTrt_F
PRKDC	0.64643	0.73962	0.63	0.65	1	HC_vs_MS.NoTrt_F



TBRG1	0.64649	0.3143	0.737	0.74	1	HC_vs_MS.NoTrt_F
SLX4IP	0.64707	0.2756	0.506	0.49	1	HC_vs_MS.NoTrt_F
SEC16A	0.64737	0.60385	0.26	0.29	1	HC_vs_MS.NoTrt_F
ZNF547	0.64811	0.80416	0.266	0.29	1	HC_vs_MS.NoTrt_F
ZNF808	0.64853	0.42417	0.526	0.54	1	HC_vs_MS.NoTrt_F
FADS2	0.64858	0.9546	0.59	0.58	1	HC_vs_MS.NoTrt_F
RGPD4	0.64904	0.72676	0.217	0.21	1	HC_vs_MS.NoTrt_F
TMEM53	0.64913	-0.4552	0.364	0.34	1	HC_vs_MS.NoTrt_F
LCOR	0.6496	0.6146	0.393	0.44	1	HC_vs_MS.NoTrt_F
CPSF6	0.65056	0.4152	0.396	0.41	1	HC_vs_MS.NoTrt_F
GRN	0.65121	0.9183	0.211	0.19	1	HC_vs_MS.NoTrt_F
SUMF2	0.65151	0.28294	0.902	0.91	1	HC_vs_MS.NoTrt_F
ZNF230	0.65165	0.73553	0.633	0.62	1	HC_vs_MS.NoTrt_F
TMEM116	0.65213	-0.2715	0.928	0.91	1	HC_vs_MS.NoTrt_F
HMGCL	0.65231	-0.3816	0.624	0.6	1	HC_vs_MS.NoTrt_F
ADORA2A	0.6525	0.53521	0.237	0.27	1	HC_vs_MS.NoTrt_F
POLN	0.65279	-0.3114	0.691	0.72	1	HC_vs_MS.NoTrt_F
TTL5	0.65326	0.49243	0.749	0.76	1	HC_vs_MS.NoTrt_F
ZNF835	0.6549	0.40413	0.65	0.64	1	HC_vs_MS.NoTrt_F
SAMSN1	0.6552	0.25532	0.555	0.56	1	HC_vs_MS.NoTrt_F
NFIB	0.65521	1.51037	0.191	0.18	1	HC_vs_MS.NoTrt_F
TGOLN2	0.65543	0.45966	0.653	0.72	1	HC_vs_MS.NoTrt_F
NFS1	0.6556	-0.4605	0.934	0.92	1	HC_vs_MS.NoTrt_F
ARHGAP17	0.65567	0.64576	0.63	0.65	1	HC_vs_MS.NoTrt_F
C16orf52	0.65571	0.85719	0.098	0.12	1	HC_vs_MS.NoTrt_F
SLC39A8	0.65597	-0.5621	0.384	0.39	1	HC_vs_MS.NoTrt_F
KLHL3	0.65599	0.796	0.277	0.29	1	HC_vs_MS.NoTrt_F
OSBPL10	0.65671	0.83979	0.468	0.5	1	HC_vs_MS.NoTrt_F
PAAF1	0.65727	-0.3252	0.98	0.99	1	HC_vs_MS.NoTrt_F
ULK4	0.65787	0.80851	0.431	0.4	1	HC_vs_MS.NoTrt_F
CIRBP	0.65896	0.36672	0.604	0.67	1	HC_vs_MS.NoTrt_F
GOLGA8B	0.659	0.30244	0.821	0.82	1	HC_vs_MS.NoTrt_F
WDFY2	0.65949	0.4822	0.645	0.65	1	HC_vs_MS.NoTrt_F
ZNF727	0.66047	1.175	0.384	0.41	1	HC_vs_MS.NoTrt_F
FAM102B	0.66126	1.10766	0.315	0.32	1	HC_vs_MS.NoTrt_F
ZNF85	0.66127	-0.674	0.72	0.74	1	HC_vs_MS.NoTrt_F
TRAF3IP1	0.66186	0.32078	0.431	0.4	1	HC_vs_MS.NoTrt_F
KCTD3	0.66197	0.32937	0.367	0.38	1	HC_vs_MS.NoTrt_F
ZKSCAN4	0.66211	-0.9402	0.572	0.54	1	HC_vs_MS.NoTrt_F
DYRK1A	0.66239	0.80196	0.751	0.77	1	HC_vs_MS.NoTrt_F

STK38L	0.66277	-0.6179	0.702	0.78	1	HC_vs_MS.NoTrt_F
TMEM184C	0.66297	0.28903	0.592	0.6	1	HC_vs_MS.NoTrt_F
C4orf22	0.66426	0.35567	0.451	0.45	1	HC_vs_MS.NoTrt_F
ZFP14	0.66476	0.34471	0.887	0.9	1	HC_vs_MS.NoTrt_F
OPRD1	0.6649	0.39088	0.855	0.88	1	HC_vs_MS.NoTrt_F
ANGPTL4	0.66491	1.34338	0.35	0.35	1	HC_vs_MS.NoTrt_F
NKIRAS1	0.66522	-0.3278	0.298	0.28	1	HC_vs_MS.NoTrt_F
PLOD1	0.66525	-0.2795	0.691	0.66	1	HC_vs_MS.NoTrt_F
ATP6V1D	0.66537	0.42043	0.607	0.66	1	HC_vs_MS.NoTrt_F
NEDD4L	0.66558	-0.5815	0.509	0.46	1	HC_vs_MS.NoTrt_F
SLIT3	0.66561	0.97118	0.616	0.62	1	HC_vs_MS.NoTrt_F
WDR54	0.66572	0.40332	0.592	0.58	1	HC_vs_MS.NoTrt_F
SAP30BP	0.66582	0.37627	0.318	0.31	1	HC_vs_MS.NoTrt_F
SMC6	0.66606	0.44698	0.54	0.56	1	HC_vs_MS.NoTrt_F
TBCCD1	0.66661	0.32451	0.439	0.41	1	HC_vs_MS.NoTrt_F
FAM120AOS	0.6672	0.56942	0.688	0.67	1	HC_vs_MS.NoTrt_F
CEP152	0.66733	-0.83	0.795	0.7	1	HC_vs_MS.NoTrt_F
FAM65C	0.66735	0.48123	0.41	0.4	1	HC_vs_MS.NoTrt_F
PLEKHM1	0.66758	0.32084	0.861	0.92	1	HC_vs_MS.NoTrt_F
CEP170	0.66764	0.37609	0.572	0.59	1	HC_vs_MS.NoTrt_F
SIRPB1	0.66822	1.55536	0.275	0.31	1	HC_vs_MS.NoTrt_F
RP11-231C1	0.66825	0.60261	0.705	0.79	1	HC_vs_MS.NoTrt_F
PHF21A	0.66837	0.35496	0.318	0.34	1	HC_vs_MS.NoTrt_F
SLC14A1	0.66866	0.31832	0.552	0.54	1	HC_vs_MS.NoTrt_F
RNF170	0.6693	-0.3406	0.642	0.64	1	HC_vs_MS.NoTrt_F
PRPF8	0.6699	0.36221	0.893	0.87	1	HC_vs_MS.NoTrt_F
SLX1B	0.67001	0.28354	0.5	0.49	1	HC_vs_MS.NoTrt_F
GAMT	0.67038	0.54219	0.63	0.61	1	HC_vs_MS.NoTrt_F
NELFCD	0.67051	1.07915	0.598	0.59	1	HC_vs_MS.NoTrt_F
TPMT	0.67057	0.49198	0.809	0.8	1	HC_vs_MS.NoTrt_F
SLC25A40	0.67088	-0.7105	0.364	0.38	1	HC_vs_MS.NoTrt_F
CELF2	0.67097	0.35718	0.592	0.69	1	HC_vs_MS.NoTrt_F
ZNF286B	0.67185	0.44637	0.558	0.53	1	HC_vs_MS.NoTrt_F
ANKS3	0.67199	0.29244	0.818	0.79	1	HC_vs_MS.NoTrt_F
JMJD6	0.67293	0.65956	0.494	0.46	1	HC_vs_MS.NoTrt_F
LIN52	0.67295	0.32596	0.777	0.78	1	HC_vs_MS.NoTrt_F
TBXAS1	0.67305	1.49245	0.434	0.46	1	HC_vs_MS.NoTrt_F
IDE	0.67378	0.68991	0.564	0.55	1	HC_vs_MS.NoTrt_F
KIF13B	0.6739	0.29425	0.159	0.18	1	HC_vs_MS.NoTrt_F
INTS1	0.67394	0.42779	0.439	0.46	1	HC_vs_MS.NoTrt_F

MRPL20	0.67494	0.32984	0.595	0.56	1	HC_vs_MS.NoTrt_F
NRROS	0.67511	1.21567	0.173	0.19	1	HC_vs_MS.NoTrt_F
SMARCAL1	0.67561	0.32394	0.743	0.74	1	HC_vs_MS.NoTrt_F
SUZ12	0.67574	0.65123	0.717	0.71	1	HC_vs_MS.NoTrt_F
NABP2	0.67615	0.56024	0.494	0.48	1	HC_vs_MS.NoTrt_F
CERS2	0.67636	0.25074	0.298	0.27	1	HC_vs_MS.NoTrt_F
HSPB1	0.67686	0.2761	0.436	0.44	1	HC_vs_MS.NoTrt_F
CYB561	0.67699	0.88835	0.39	0.37	1	HC_vs_MS.NoTrt_F
CCDC74A	0.67705	1.11928	0.289	0.32	1	HC_vs_MS.NoTrt_F
NIT2	0.67744	0.30404	0.676	0.68	1	HC_vs_MS.NoTrt_F
IGFL2	0.67797	0.2503	0.422	0.47	1	HC_vs_MS.NoTrt_F
MAPK9	0.67824	0.31663	0.509	0.5	1	HC_vs_MS.NoTrt_F
SLX4	0.67864	-0.302	0.569	0.56	1	HC_vs_MS.NoTrt_F
MNS1	0.68015	0.27795	0.234	0.23	1	HC_vs_MS.NoTrt_F
TUBB4A	0.6805	-0.4905	0.197	0.22	1	HC_vs_MS.NoTrt_F
CCDC15	0.6807	0.89658	0.28	0.29	1	HC_vs_MS.NoTrt_F
RCL1	0.6807	0.78381	0.546	0.52	1	HC_vs_MS.NoTrt_F
SPPL2B	0.68071	0.29054	0.416	0.4	1	HC_vs_MS.NoTrt_F
CARM1	0.68114	-0.3096	0.194	0.22	1	HC_vs_MS.NoTrt_F
SPDYE16	0.68148	0.52645	0.821	0.89	1	HC_vs_MS.NoTrt_F
A1BG	0.68178	0.29652	0.902	0.87	1	HC_vs_MS.NoTrt_F
MTIF2	0.68185	0.5453	0.408	0.41	1	HC_vs_MS.NoTrt_F
PACS2	0.6819	0.47697	0.338	0.35	1	HC_vs_MS.NoTrt_F
SCARF1	0.68302	0.58128	0.486	0.5	1	HC_vs_MS.NoTrt_F
EGR3	0.68318	0.53146	0.28	0.3	1	HC_vs_MS.NoTrt_F
RFC5	0.6834	-0.2731	0.199	0.21	1	HC_vs_MS.NoTrt_F
PSMB9	0.68354	0.43803	0.775	0.8	1	HC_vs_MS.NoTrt_F
AHI1	0.68402	0.29147	0.428	0.41	1	HC_vs_MS.NoTrt_F
DNAJB13	0.68404	0.38452	0.419	0.45	1	HC_vs_MS.NoTrt_F
ACY1	0.68435	0.73663	0.627	0.62	1	HC_vs_MS.NoTrt_F
FGGY	0.68515	0.39749	0.506	0.53	1	HC_vs_MS.NoTrt_F
PRKAA1	0.68606	0.39297	0.902	0.95	1	HC_vs_MS.NoTrt_F
C14orf119	0.68622	-0.5538	0.595	0.56	1	HC_vs_MS.NoTrt_F
TNFAIP8L1	0.6866	-0.5137	0.882	0.87	1	HC_vs_MS.NoTrt_F
SECISBP2	0.68682	0.32422	0.676	0.66	1	HC_vs_MS.NoTrt_F
NIPAL1	0.68703	-0.315	0.454	0.49	1	HC_vs_MS.NoTrt_F
DDHD2	0.68765	0.50403	0.864	0.88	1	HC_vs_MS.NoTrt_F
SPATA7	0.68789	0.26101	0.341	0.37	1	HC_vs_MS.NoTrt_F
PSMB7	0.68822	0.2672	0.277	0.3	1	HC_vs_MS.NoTrt_F
PITPNM2	0.68829	1.3165	0.445	0.48	1	HC_vs_MS.NoTrt_F

ASRGL1	0.68862	0.88878	0.607	0.63	1	HC_vs_MS.NoTrt_F
CRK	0.6887	1.02123	0.639	0.69	1	HC_vs_MS.NoTrt_F
SLX1A	0.68881	0.31439	0.546	0.56	1	HC_vs_MS.NoTrt_F
2-Mar	0.68882	-0.3432	0.636	0.65	1	HC_vs_MS.NoTrt_F
HDAC7	0.68903	0.70601	0.321	0.35	1	HC_vs_MS.NoTrt_F
EFCAB13	0.68906	-0.5912	0.327	0.35	1	HC_vs_MS.NoTrt_F
SLC22A18	0.68945	0.4104	0.601	0.6	1	HC_vs_MS.NoTrt_F
FAM3A	0.68977	0.44513	0.775	0.8	1	HC_vs_MS.NoTrt_F
ZNF16	0.68995	0.57561	0.809	0.83	1	HC_vs_MS.NoTrt_F
TRIM16	0.69001	-0.7549	0.497	0.49	1	HC_vs_MS.NoTrt_F
VPS13A	0.6902	0.52786	0.367	0.38	1	HC_vs_MS.NoTrt_F
IL12RB2	0.69088	1.47038	0.162	0.16	1	HC_vs_MS.NoTrt_F
ZNF664	0.69088	0.73821	0.301	0.34	1	HC_vs_MS.NoTrt_F
MAN2C1	0.69119	0.31008	0.847	0.85	1	HC_vs_MS.NoTrt_F
DST	0.69143	0.35812	0.757	0.8	1	HC_vs_MS.NoTrt_F
PCGF6	0.69265	-0.399	0.792	0.79	1	HC_vs_MS.NoTrt_F
TBC1D32	0.6927	1.20839	0.564	0.53	1	HC_vs_MS.NoTrt_F
ZNF157	0.69277	-0.3326	0.803	0.83	1	HC_vs_MS.NoTrt_F
C11orf31	0.6932	0.26897	0.575	0.57	1	HC_vs_MS.NoTrt_F
EXOSC6	0.69563	0.30157	0.928	0.96	1	HC_vs_MS.NoTrt_F
AKR1B15	0.69743	0.26291	0.618	0.67	1	HC_vs_MS.NoTrt_F
ZNF43	0.69808	0.34667	0.772	0.79	1	HC_vs_MS.NoTrt_F
SLC24A1	0.69829	-0.7334	0.529	0.51	1	HC_vs_MS.NoTrt_F
MBD3	0.69861	1.09661	0.775	0.77	1	HC_vs_MS.NoTrt_F
MTMR9	0.6987	0.57062	0.361	0.39	1	HC_vs_MS.NoTrt_F
TBC1D17	0.69891	-0.2849	0.893	0.89	1	HC_vs_MS.NoTrt_F
ZNF559	0.6992	0.36099	0.685	0.71	1	HC_vs_MS.NoTrt_F
URI1	0.69925	0.5167	0.269	0.29	1	HC_vs_MS.NoTrt_F
GNL2	0.69962	0.31701	0.76	0.73	1	HC_vs_MS.NoTrt_F
HSD17B7	0.69964	-0.4546	0.598	0.64	1	HC_vs_MS.NoTrt_F
ZDHHC21	0.69968	-0.3345	0.301	0.32	1	HC_vs_MS.NoTrt_F
SGSH	0.69985	0.60329	0.558	0.61	1	HC_vs_MS.NoTrt_F
MMS19	0.70004	0.4842	0.225	0.25	1	HC_vs_MS.NoTrt_F
TUBA1A	0.70004	0.5093	0.361	0.36	1	HC_vs_MS.NoTrt_F
GPCPD1	0.70008	0.64518	0.445	0.48	1	HC_vs_MS.NoTrt_F
STAR	0.70105	0.35664	0.286	0.3	1	HC_vs_MS.NoTrt_F
TTC37	0.70195	0.3048	0.413	0.43	1	HC_vs_MS.NoTrt_F
RRP36	0.70203	0.25488	0.514	0.48	1	HC_vs_MS.NoTrt_F
CIC	0.70206	0.53422	0.15	0.17	1	HC_vs_MS.NoTrt_F
ZNF516	0.70232	1.44996	0.107	0.12	1	HC_vs_MS.NoTrt_F

MAP2K6	0.70245	0.87178	0.408	0.44	1	HC_vs_MS.NoTrt_F
IFIT3	0.70261	-1.047	0.581	0.55	1	HC_vs_MS.NoTrt_F
DYNLRB1	0.70312	0.51276	0.269	0.31	1	HC_vs_MS.NoTrt_F
AP3S2	0.7032	-0.3675	0.725	0.75	1	HC_vs_MS.NoTrt_F
IDS	0.70357	0.27763	0.879	0.88	1	HC_vs_MS.NoTrt_F
IBTK	0.70388	-0.533	0.613	0.62	1	HC_vs_MS.NoTrt_F
LRRC56	0.70389	-0.2856	0.436	0.38	1	HC_vs_MS.NoTrt_F
MORN3	0.70393	-0.2506	0.882	0.87	1	HC_vs_MS.NoTrt_F
RIPK2	0.70421	0.66469	0.22	0.23	1	HC_vs_MS.NoTrt_F
BRIP1	0.70425	-0.4465	0.876	0.87	1	HC_vs_MS.NoTrt_F
SMYD4	0.7049	-0.2785	0.855	0.87	1	HC_vs_MS.NoTrt_F
ZNF493	0.70496	0.6658	0.821	0.8	1	HC_vs_MS.NoTrt_F
GALNT6	0.70503	0.70288	0.78	0.81	1	HC_vs_MS.NoTrt_F
LASP1	0.70511	-0.3643	0.78	0.82	1	HC_vs_MS.NoTrt_F
P4HA2	0.70552	0.87217	0.514	0.53	1	HC_vs_MS.NoTrt_F
1-Mar	0.70578	0.36166	0.639	0.66	1	HC_vs_MS.NoTrt_F
PRKCA	0.70579	0.28837	0.775	0.76	1	HC_vs_MS.NoTrt_F
ARSK	0.70585	0.59875	0.604	0.61	1	HC_vs_MS.NoTrt_F
COBLL1	0.70612	0.25167	0.598	0.58	1	HC_vs_MS.NoTrt_F
SPICE1	0.70635	0.57015	0.324	0.34	1	HC_vs_MS.NoTrt_F
ZBED1	0.70652	-0.2575	0.546	0.55	1	HC_vs_MS.NoTrt_F
GDPD5	0.70661	1.13426	0.332	0.34	1	HC_vs_MS.NoTrt_F
PLBD2	0.70746	0.58211	0.41	0.43	1	HC_vs_MS.NoTrt_F
EPT1	0.70753	0.35437	0.431	0.4	1	HC_vs_MS.NoTrt_F
MKL2	0.70766	-0.4002	0.769	0.8	1	HC_vs_MS.NoTrt_F
PBX3	0.70806	0.89361	0.116	0.13	1	HC_vs_MS.NoTrt_F
GSE1	0.70825	1.42186	0.454	0.46	1	HC_vs_MS.NoTrt_F
TRIM26	0.70853	0.61314	0.249	0.28	1	HC_vs_MS.NoTrt_F
C11orf63	0.70993	0.70815	0.523	0.51	1	HC_vs_MS.NoTrt_F
HPS5	0.7101	-0.5475	0.795	0.82	1	HC_vs_MS.NoTrt_F
LMCD1	0.71043	1.47032	0.37	0.39	1	HC_vs_MS.NoTrt_F
RAB8B	0.71051	0.29556	0.399	0.39	1	HC_vs_MS.NoTrt_F
SNUPN	0.71071	-0.3795	0.887	0.92	1	HC_vs_MS.NoTrt_F
XPNPEP1	0.71091	0.42073	0.431	0.43	1	HC_vs_MS.NoTrt_F
PM20D2	0.71119	0.44563	0.78	0.85	1	HC_vs_MS.NoTrt_F
ZZEF1	0.71139	0.51497	0.592	0.58	1	HC_vs_MS.NoTrt_F
GAB1	0.71157	0.60084	0.587	0.6	1	HC_vs_MS.NoTrt_F
ZNF708	0.71168	0.45351	0.827	0.85	1	HC_vs_MS.NoTrt_F
POC1B	0.71181	0.4103	0.812	0.83	1	HC_vs_MS.NoTrt_F
GAPVD1	0.71249	0.26182	0.855	0.85	1	HC_vs_MS.NoTrt_F

PRR12	0.71312	1.25445	0.133	0.16	1	HC_vs_MS.NoTrt_F
RALBP1	0.71325	0.53679	0.454	0.44	1	HC_vs_MS.NoTrt_F
DRG1	0.71413	0.96938	0.228	0.25	1	HC_vs_MS.NoTrt_F
ZNF343	0.71444	0.30001	0.52	0.54	1	HC_vs_MS.NoTrt_F
CTBP1	0.71445	0.64048	0.532	0.56	1	HC_vs_MS.NoTrt_F
AKR1C1	0.71476	0.43641	0.306	0.31	1	HC_vs_MS.NoTrt_F
PRKD2	0.71476	0.45196	0.769	0.79	1	HC_vs_MS.NoTrt_F
KIF21A	0.71524	0.72299	0.22	0.25	1	HC_vs_MS.NoTrt_F
DCN	0.71591	0.84425	0.749	0.77	1	HC_vs_MS.NoTrt_F
LRRN4CL	0.71594	0.268	0.598	0.59	1	HC_vs_MS.NoTrt_F
SPIN1	0.71595	0.72324	0.228	0.24	1	HC_vs_MS.NoTrt_F
GP6	0.71602	0.6306	0.486	0.53	1	HC_vs_MS.NoTrt_F
GSR	0.71767	0.48416	0.329	0.32	1	HC_vs_MS.NoTrt_F
STXBP4	0.71771	0.57598	0.584	0.59	1	HC_vs_MS.NoTrt_F
TMEM256-P	0.7178	0.42662	0.48	0.53	1	HC_vs_MS.NoTrt_F
POU6F1	0.71786	-0.3644	0.558	0.54	1	HC_vs_MS.NoTrt_F
SHISA2	0.71798	0.35796	0.298	0.33	1	HC_vs_MS.NoTrt_F
PATL2	0.71879	0.45966	0.431	0.43	1	HC_vs_MS.NoTrt_F
RGS16	0.71896	1.11171	0.113	0.13	1	HC_vs_MS.NoTrt_F
MGA	0.7195	-0.639	0.908	0.89	1	HC_vs_MS.NoTrt_F
CD83	0.71968	1.07642	0.179	0.18	1	HC_vs_MS.NoTrt_F
MLLT6	0.71978	0.3486	0.913	0.91	1	HC_vs_MS.NoTrt_F
PARP2	0.71984	1.18116	0.436	0.42	1	HC_vs_MS.NoTrt_F
FRYL	0.72037	0.44922	0.792	0.89	1	HC_vs_MS.NoTrt_F
SEMA6D	0.7204	1.35698	0.147	0.17	1	HC_vs_MS.NoTrt_F
LSR	0.72048	0.78932	0.237	0.26	1	HC_vs_MS.NoTrt_F
PHTF2	0.72052	0.76269	0.552	0.57	1	HC_vs_MS.NoTrt_F
TALDO1	0.72068	0.25172	0.743	0.76	1	HC_vs_MS.NoTrt_F
ZNF341	0.72072	-0.3189	0.486	0.49	1	HC_vs_MS.NoTrt_F
C1orf159	0.7208	1.50723	0.208	0.23	1	HC_vs_MS.NoTrt_F
GALNT15	0.72118	0.42782	0.37	0.38	1	HC_vs_MS.NoTrt_F
DCPS	0.72127	0.28029	0.509	0.51	1	HC_vs_MS.NoTrt_F
PITPNM1	0.72197	0.47576	0.306	0.32	1	HC_vs_MS.NoTrt_F
MTFMT	0.72239	0.29617	0.867	0.92	1	HC_vs_MS.NoTrt_F
ERAL1	0.72256	0.82659	0.153	0.17	1	HC_vs_MS.NoTrt_F
EMP1	0.72257	1.31693	0.225	0.25	1	HC_vs_MS.NoTrt_F
KAZN	0.72263	0.74446	0.558	0.57	1	HC_vs_MS.NoTrt_F
MOCOS	0.72271	0.43565	0.656	0.68	1	HC_vs_MS.NoTrt_F
FLG2	0.72283	-0.5711	0.532	0.5	1	HC_vs_MS.NoTrt_F
ERBB3	0.72317	0.35341	0.803	0.82	1	HC_vs_MS.NoTrt_F

CTDSPL2	0.72317	-0.4889	0.723	0.76	1	HC_vs_MS.NoTrt_F
TYK2	0.72319	0.67608	0.665	0.74	1	HC_vs_MS.NoTrt_F
PRKAG2	0.72361	0.72861	0.422	0.44	1	HC_vs_MS.NoTrt_F
ZNRF3	0.72373	-0.2634	0.367	0.34	1	HC_vs_MS.NoTrt_F
CPT1A	0.72389	0.62894	0.746	0.7	1	HC_vs_MS.NoTrt_F
CEP97	0.72433	0.59114	0.734	0.78	1	HC_vs_MS.NoTrt_F
MOAP1	0.72449	0.53976	0.413	0.42	1	HC_vs_MS.NoTrt_F
DIS3L2	0.72494	0.4389	0.569	0.57	1	HC_vs_MS.NoTrt_F
HCFC1	0.72519	0.51493	0.341	0.38	1	HC_vs_MS.NoTrt_F
WDR78	0.7254	-0.2791	0.529	0.54	1	HC_vs_MS.NoTrt_F
SSH2	0.72548	0.34969	0.801	0.86	1	HC_vs_MS.NoTrt_F
CD320	0.72577	0.44748	0.766	0.8	1	HC_vs_MS.NoTrt_F
FSTL4	0.72581	0.29134	0.246	0.27	1	HC_vs_MS.NoTrt_F
TRIM45	0.72607	0.31326	0.156	0.17	1	HC_vs_MS.NoTrt_F
GPR89A	0.72637	0.54998	0.48	0.52	1	HC_vs_MS.NoTrt_F
COMMD4	0.72644	0.36316	0.945	0.95	1	HC_vs_MS.NoTrt_F
UAP1L1	0.72765	0.86184	0.355	0.36	1	HC_vs_MS.NoTrt_F
MNT	0.72786	0.34671	0.711	0.7	1	HC_vs_MS.NoTrt_F
TADA2A	0.72787	-0.4798	0.919	0.92	1	HC_vs_MS.NoTrt_F
OXCT1	0.72846	1.25642	0.408	0.46	1	HC_vs_MS.NoTrt_F
CCDC114	0.72934	-0.7025	0.494	0.49	1	HC_vs_MS.NoTrt_F
C9orf85	0.72941	0.2603	0.919	0.93	1	HC_vs_MS.NoTrt_F
UBB	0.72945	0.30648	0.621	0.73	1	HC_vs_MS.NoTrt_F
SLC35E1	0.72963	0.30881	0.991	0.97	1	HC_vs_MS.NoTrt_F
MREG	0.7304	0.39681	0.668	0.66	1	HC_vs_MS.NoTrt_F
ZNF417	0.73074	0.74031	0.769	0.75	1	HC_vs_MS.NoTrt_F
ZNF684	0.73239	-0.2836	0.751	0.74	1	HC_vs_MS.NoTrt_F
CHDH	0.73253	-0.6863	0.572	0.55	1	HC_vs_MS.NoTrt_F
TMEM220	0.7329	0.30124	0.572	0.56	1	HC_vs_MS.NoTrt_F
HTN3	0.73359	0.37791	0.659	0.69	1	HC_vs_MS.NoTrt_F
LRWD1	0.73377	0.49832	0.61	0.59	1	HC_vs_MS.NoTrt_F
SLC35B4	0.73449	0.70388	0.587	0.59	1	HC_vs_MS.NoTrt_F
BTA1F1	0.735	0.31813	0.347	0.37	1	HC_vs_MS.NoTrt_F
TARSL2	0.73535	0.34703	0.974	0.98	1	HC_vs_MS.NoTrt_F
CPD	0.7359	0.52629	0.743	0.77	1	HC_vs_MS.NoTrt_F
MED22	0.73669	0.47051	0.613	0.6	1	HC_vs_MS.NoTrt_F
CDK5RAP1	0.737	0.32628	0.48	0.45	1	HC_vs_MS.NoTrt_F
UBOX5	0.73738	-0.2566	0.682	0.66	1	HC_vs_MS.NoTrt_F
ZNF879	0.7378	0.54907	0.367	0.35	1	HC_vs_MS.NoTrt_F
STARD4	0.7381	0.41601	0.211	0.19	1	HC_vs_MS.NoTrt_F

FGFR2	0.73812	0.28368	0.509	0.51	1	HC_vs_MS.NoTrt_F
XPA	0.73822	1.20798	0.208	0.23	1	HC_vs_MS.NoTrt_F
RNF130	0.73835	0.40654	0.723	0.69	1	HC_vs_MS.NoTrt_F
CNP	0.73837	0.30412	0.783	0.74	1	HC_vs_MS.NoTrt_F
NUDC	0.73902	-0.2671	0.668	0.62	1	HC_vs_MS.NoTrt_F
KIF22	0.73904	0.60473	0.246	0.24	1	HC_vs_MS.NoTrt_F
NFKBID	0.73942	0.39676	0.642	0.64	1	HC_vs_MS.NoTrt_F
AGPAT3	0.73963	0.53751	0.694	0.68	1	HC_vs_MS.NoTrt_F
ALG10B	0.74077	-0.6263	0.725	0.67	1	HC_vs_MS.NoTrt_F
PIP5K1C	0.74102	1.15707	0.13	0.14	1	HC_vs_MS.NoTrt_F
VSIG1	0.74167	0.49771	0.633	0.65	1	HC_vs_MS.NoTrt_F
AASS	0.74177	0.78219	0.422	0.44	1	HC_vs_MS.NoTrt_F
OCEL1	0.74206	0.4043	0.514	0.51	1	HC_vs_MS.NoTrt_F
CCNL1	0.74215	0.60644	0.445	0.5	1	HC_vs_MS.NoTrt_F
PPP1R14D	0.7425	0.27212	0.11	0.12	1	HC_vs_MS.NoTrt_F
YTHDC2	0.74332	0.38475	0.506	0.51	1	HC_vs_MS.NoTrt_F
TMEM199	0.74431	-0.6151	0.702	0.7	1	HC_vs_MS.NoTrt_F
SSR3	0.74457	0.38681	0.676	0.66	1	HC_vs_MS.NoTrt_F
PRELID2	0.74546	0.72181	0.572	0.54	1	HC_vs_MS.NoTrt_F
E2F3	0.74556	0.44115	0.225	0.24	1	HC_vs_MS.NoTrt_F
SLC7A11	0.74571	0.26714	0.532	0.51	1	HC_vs_MS.NoTrt_F
CSF1	0.74654	0.66164	0.176	0.19	1	HC_vs_MS.NoTrt_F
NUP214	0.747	0.28358	0.694	0.74	1	HC_vs_MS.NoTrt_F
HAUS5	0.74732	-0.5064	0.523	0.51	1	HC_vs_MS.NoTrt_F
LRCH1	0.74819	0.69192	0.159	0.15	1	HC_vs_MS.NoTrt_F
MROH8	0.74835	-0.5185	0.373	0.39	1	HC_vs_MS.NoTrt_F
C1orf112	0.74895	0.30547	0.546	0.55	1	HC_vs_MS.NoTrt_F
ADAM28	0.7496	0.52478	0.211	0.23	1	HC_vs_MS.NoTrt_F
CCDC159	0.74973	-0.5375	0.795	0.79	1	HC_vs_MS.NoTrt_F
LRRC32	0.75026	1.58056	0.101	0.12	1	HC_vs_MS.NoTrt_F
RERE	0.75039	0.66328	0.451	0.47	1	HC_vs_MS.NoTrt_F
GPM6A	0.7508	0.70504	0.355	0.36	1	HC_vs_MS.NoTrt_F
IRS2	0.75097	1.09472	0.477	0.49	1	HC_vs_MS.NoTrt_F
BCKDHB	0.75133	-0.537	0.656	0.65	1	HC_vs_MS.NoTrt_F
PPP2R3A	0.75182	0.26597	0.798	0.81	1	HC_vs_MS.NoTrt_F
CAMK1	0.75202	0.35441	0.561	0.59	1	HC_vs_MS.NoTrt_F
GTPBP1	0.75233	0.46922	0.604	0.65	1	HC_vs_MS.NoTrt_F
RANBP6	0.75256	-0.7377	0.168	0.16	1	HC_vs_MS.NoTrt_F
NIT1	0.75265	0.60717	0.676	0.69	1	HC_vs_MS.NoTrt_F
LMOD3	0.75268	-0.419	0.514	0.51	1	HC_vs_MS.NoTrt_F



GALE	0.75271	0.66966	0.405	0.4	1	HC_vs_MS.NoTrt_F
DNAJC22	0.75383	-0.3633	0.402	0.4	1	HC_vs_MS.NoTrt_F
PRKCD	0.75426	0.25229	0.566	0.55	1	HC_vs_MS.NoTrt_F
KCNJ5	0.75458	0.30367	0.673	0.65	1	HC_vs_MS.NoTrt_F
ICA1L	0.75478	0.42816	0.812	0.81	1	HC_vs_MS.NoTrt_F
ITPKB	0.75488	0.50533	0.63	0.62	1	HC_vs_MS.NoTrt_F
ACSS3	0.75523	0.28459	0.298	0.32	1	HC_vs_MS.NoTrt_F
RASEF	0.7556	0.3086	0.899	0.95	1	HC_vs_MS.NoTrt_F
HES2	0.75635	0.27705	0.688	0.66	1	HC_vs_MS.NoTrt_F
PLA2R1	0.75654	0.67505	0.592	0.54	1	HC_vs_MS.NoTrt_F
CD37	0.75675	0.30085	0.798	0.86	1	HC_vs_MS.NoTrt_F
CDC40	0.75679	0.34135	0.546	0.56	1	HC_vs_MS.NoTrt_F
TNFSF9	0.75684	0.53145	0.11	0.11	1	HC_vs_MS.NoTrt_F
UMPS	0.75706	-0.6716	0.688	0.7	1	HC_vs_MS.NoTrt_F
KIAA2013	0.7574	0.59508	0.361	0.37	1	HC_vs_MS.NoTrt_F
SMPD3	0.75757	0.46841	0.728	0.74	1	HC_vs_MS.NoTrt_F
BAIAP2L1	0.75794	0.29322	0.587	0.57	1	HC_vs_MS.NoTrt_F
CMTR2	0.75807	0.35254	0.321	0.31	1	HC_vs_MS.NoTrt_F
ECE1	0.75811	0.3584	0.763	0.72	1	HC_vs_MS.NoTrt_F
RASAL1	0.75846	0.84746	0.318	0.33	1	HC_vs_MS.NoTrt_F
ABCB6	0.75875	0.25694	0.194	0.21	1	HC_vs_MS.NoTrt_F
TGFBRAP1	0.75887	0.46534	0.535	0.55	1	HC_vs_MS.NoTrt_F
DENND3	0.75901	1.08944	0.564	0.59	1	HC_vs_MS.NoTrt_F
EI24	0.75928	-0.3906	0.786	0.84	1	HC_vs_MS.NoTrt_F
UBE4B	0.75949	1.22105	0.659	0.68	1	HC_vs_MS.NoTrt_F
ENDOV	0.75997	-0.3736	0.659	0.66	1	HC_vs_MS.NoTrt_F
ASIC4	0.76019	0.28982	0.266	0.25	1	HC_vs_MS.NoTrt_F
ZNF433	0.76049	0.632	0.185	0.2	1	HC_vs_MS.NoTrt_F
APPL1	0.76153	0.37493	0.494	0.48	1	HC_vs_MS.NoTrt_F
PCOLCE	0.76158	0.97095	0.133	0.13	1	HC_vs_MS.NoTrt_F
CCDC77	0.76204	-0.3885	0.714	0.7	1	HC_vs_MS.NoTrt_F
RGPD8	0.76249	0.95713	0.327	0.37	1	HC_vs_MS.NoTrt_F
RCOR1	0.76259	0.92041	0.225	0.22	1	HC_vs_MS.NoTrt_F
ERLIN2	0.76417	0.49572	0.422	0.42	1	HC_vs_MS.NoTrt_F
HILPDA	0.76434	0.5442	0.592	0.62	1	HC_vs_MS.NoTrt_F
BRI3BP	0.76449	0.30467	0.902	0.95	1	HC_vs_MS.NoTrt_F
S1PR5	0.76509	0.54129	0.121	0.13	1	HC_vs_MS.NoTrt_F
TAF6	0.76512	-0.6147	0.584	0.58	1	HC_vs_MS.NoTrt_F
FBXO36	0.76543	0.55392	0.691	0.66	1	HC_vs_MS.NoTrt_F
PTBP3	0.76548	0.31719	0.425	0.46	1	HC_vs_MS.NoTrt_F

RSRC1	0.76558	0.34426	0.757	0.76	1	HC_vs_MS.NoTrt_F
TAF8	0.76591	-0.5106	0.971	0.97	1	HC_vs_MS.NoTrt_F
PTBP1	0.76664	0.44787	0.303	0.33	1	HC_vs_MS.NoTrt_F
CLEC4C	0.76736	0.28673	0.442	0.45	1	HC_vs_MS.NoTrt_F
EGR1	0.76777	2.22425	0.121	0.12	1	HC_vs_MS.NoTrt_F
RGR	0.76846	0.61744	0.529	0.51	1	HC_vs_MS.NoTrt_F
ALMS1	0.76894	1.04252	0.517	0.48	1	HC_vs_MS.NoTrt_F
FMN1	0.76917	0.70153	0.269	0.25	1	HC_vs_MS.NoTrt_F
HSPBAP1	0.7696	0.80512	0.584	0.57	1	HC_vs_MS.NoTrt_F
CRKL	0.76966	0.5012	0.607	0.64	1	HC_vs_MS.NoTrt_F
TNFAIP2	0.76977	0.70061	0.39	0.39	1	HC_vs_MS.NoTrt_F
KLC4	0.77049	0.31885	0.876	0.86	1	HC_vs_MS.NoTrt_F
FKTN	0.77075	1.22807	0.199	0.22	1	HC_vs_MS.NoTrt_F
DENND5B	0.77164	0.33578	0.642	0.63	1	HC_vs_MS.NoTrt_F
KRR1	0.77238	0.35695	0.717	0.71	1	HC_vs_MS.NoTrt_F
KDM6B	0.77373	0.5771	0.289	0.29	1	HC_vs_MS.NoTrt_F
PPP1R16A	0.77436	0.377	0.477	0.5	1	HC_vs_MS.NoTrt_F
COL6A3	0.77449	2.01699	0.517	0.54	1	HC_vs_MS.NoTrt_F
RASAL2	0.77484	0.75374	0.555	0.56	1	HC_vs_MS.NoTrt_F
LMBR1	0.77527	0.74603	0.532	0.54	1	HC_vs_MS.NoTrt_F
IFRD1	0.77535	0.72868	0.564	0.58	1	HC_vs_MS.NoTrt_F
ZNF700	0.7754	0.42396	0.243	0.26	1	HC_vs_MS.NoTrt_F
DPH6	0.77571	0.73156	0.477	0.45	1	HC_vs_MS.NoTrt_F
MRPS34	0.77602	0.88956	0.254	0.29	1	HC_vs_MS.NoTrt_F
NAPEPLD	0.77631	0.53739	0.384	0.38	1	HC_vs_MS.NoTrt_F
ERLIN1	0.77643	-0.3846	0.101	0.11	1	HC_vs_MS.NoTrt_F
RPUSD4	0.77659	-0.5812	0.749	0.8	1	HC_vs_MS.NoTrt_F
SRSF10	0.7767	0.26587	0.806	0.83	1	HC_vs_MS.NoTrt_F
ANO10	0.77676	-0.8692	0.671	0.66	1	HC_vs_MS.NoTrt_F
DCAKD	0.77677	0.69224	0.471	0.44	1	HC_vs_MS.NoTrt_F
PHF20	0.77682	0.43735	0.598	0.61	1	HC_vs_MS.NoTrt_F
PPP1CB	0.77706	0.32935	0.749	0.84	1	HC_vs_MS.NoTrt_F
ATP5L2	0.77763	0.34171	0.353	0.36	1	HC_vs_MS.NoTrt_F
ZCCHC4	0.77771	-0.5356	0.691	0.7	1	HC_vs_MS.NoTrt_F
TRMT12	0.77834	-0.2656	0.512	0.5	1	HC_vs_MS.NoTrt_F
TTC21B	0.77867	0.32214	0.416	0.41	1	HC_vs_MS.NoTrt_F
FAM126A	0.77891	0.34655	0.728	0.71	1	HC_vs_MS.NoTrt_F
ALG11	0.77921	0.28316	0.867	0.89	1	HC_vs_MS.NoTrt_F
FCRL3	0.7795	0.74113	0.347	0.38	1	HC_vs_MS.NoTrt_F
HGS	0.77969	0.35688	0.691	0.7	1	HC_vs_MS.NoTrt_F

USP11	0.78024	0.36023	0.266	0.29	1	HC_vs_MS.NoTrt_F
ZNF681	0.78106	-0.4178	0.708	0.69	1	HC_vs_MS.NoTrt_F
DIAPH3	0.7821	0.29161	0.364	0.38	1	HC_vs_MS.NoTrt_F
DMWD	0.78253	0.41255	0.879	0.92	1	HC_vs_MS.NoTrt_F
DCUN1D3	0.78264	0.96424	0.231	0.24	1	HC_vs_MS.NoTrt_F
SULT2B1	0.78277	-0.3218	0.569	0.6	1	HC_vs_MS.NoTrt_F
FGFR4	0.78302	0.25842	0.445	0.44	1	HC_vs_MS.NoTrt_F
LRBA	0.78307	0.6443	0.52	0.53	1	HC_vs_MS.NoTrt_F
SAXO2	0.78337	0.52469	0.269	0.28	1	HC_vs_MS.NoTrt_F
MT-ND3	0.7837	0.80666	0.532	0.67	1	HC_vs_MS.NoTrt_F
SLC23A3	0.78388	0.3338	0.483	0.49	1	HC_vs_MS.NoTrt_F
MASP2	0.7839	-0.7525	0.335	0.34	1	HC_vs_MS.NoTrt_F
PARBP	0.784	-0.5684	0.465	0.45	1	HC_vs_MS.NoTrt_F
TWSG1	0.78457	0.56789	0.454	0.46	1	HC_vs_MS.NoTrt_F
SLC9A1	0.78509	1.17351	0.292	0.32	1	HC_vs_MS.NoTrt_F
MCPH1	0.78512	-0.3843	0.743	0.75	1	HC_vs_MS.NoTrt_F
POLR1C	0.78515	0.83821	0.48	0.49	1	HC_vs_MS.NoTrt_F
BCL6	0.78549	0.75463	0.191	0.19	1	HC_vs_MS.NoTrt_F
PPP2R5C	0.7858	0.2995	0.936	0.96	1	HC_vs_MS.NoTrt_F
PTPRG	0.78635	1.13828	0.295	0.32	1	HC_vs_MS.NoTrt_F
CAPS2	0.78664	0.94371	0.488	0.51	1	HC_vs_MS.NoTrt_F
DDX19A	0.78667	-0.3286	0.974	0.98	1	HC_vs_MS.NoTrt_F
CTPS1	0.7868	0.26851	0.676	0.66	1	HC_vs_MS.NoTrt_F
RPAP1	0.78685	-0.6738	0.855	0.86	1	HC_vs_MS.NoTrt_F
CCNYL1	0.78701	-0.3049	0.48	0.5	1	HC_vs_MS.NoTrt_F
PIGL	0.78719	0.74995	0.714	0.75	1	HC_vs_MS.NoTrt_F
TTF1	0.7875	0.25224	0.512	0.51	1	HC_vs_MS.NoTrt_F
DRAM2	0.78752	0.69036	0.188	0.2	1	HC_vs_MS.NoTrt_F
HSF2	0.78774	0.71893	0.142	0.16	1	HC_vs_MS.NoTrt_F
DNA2	0.78791	-0.3032	0.231	0.24	1	HC_vs_MS.NoTrt_F
INSR	0.78823	0.90281	0.517	0.51	1	HC_vs_MS.NoTrt_F
GRHL2	0.78834	0.36647	0.28	0.31	1	HC_vs_MS.NoTrt_F
IL12RB1	0.78851	0.29042	0.89	0.88	1	HC_vs_MS.NoTrt_F
NARFL	0.78854	0.74337	0.809	0.83	1	HC_vs_MS.NoTrt_F
CYB5D1	0.78864	-0.822	0.205	0.21	1	HC_vs_MS.NoTrt_F
ZEB2	0.78881	1.59743	0.647	0.61	1	HC_vs_MS.NoTrt_F
LIMA1	0.78883	0.63679	0.514	0.48	1	HC_vs_MS.NoTrt_F
IFI27	0.78966	0.73835	0.471	0.46	1	HC_vs_MS.NoTrt_F
NOSTRIN	0.79069	0.49521	0.335	0.35	1	HC_vs_MS.NoTrt_F
RAB36	0.79077	1.10618	0.39	0.38	1	HC_vs_MS.NoTrt_F

SPRYD4	0.79111	0.54904	0.89	0.93	1	HC_vs_MS.NoTrt_F
FAM13A	0.79125	0.63641	0.277	0.28	1	HC_vs_MS.NoTrt_F
CD55	0.79186	0.7942	0.633	0.67	1	HC_vs_MS.NoTrt_F
IL1RAP	0.79208	1.02003	0.659	0.71	1	HC_vs_MS.NoTrt_F
EDC3	0.79248	0.35372	0.448	0.46	1	HC_vs_MS.NoTrt_F
TRIM66	0.79315	0.3217	0.523	0.55	1	HC_vs_MS.NoTrt_F
GPAM	0.79324	-0.6385	0.113	0.12	1	HC_vs_MS.NoTrt_F
ULK2	0.7935	-0.9846	0.725	0.72	1	HC_vs_MS.NoTrt_F
NSMCE2	0.79352	0.44807	0.647	0.67	1	HC_vs_MS.NoTrt_F
OSBPL3	0.79363	0.5179	0.532	0.57	1	HC_vs_MS.NoTrt_F
RDH10	0.79373	-0.4297	0.246	0.25	1	HC_vs_MS.NoTrt_F
NAPG	0.79396	0.34645	0.659	0.67	1	HC_vs_MS.NoTrt_F
AC016577.1	0.79414	0.32102	0.436	0.5	1	HC_vs_MS.NoTrt_F
DAAM2	0.79553	0.32889	0.468	0.44	1	HC_vs_MS.NoTrt_F
TYMS	0.79632	0.30804	0.251	0.26	1	HC_vs_MS.NoTrt_F
RRM2	0.79673	0.47005	0.526	0.56	1	HC_vs_MS.NoTrt_F
CPB1	0.79673	0.28083	0.569	0.61	1	HC_vs_MS.NoTrt_F
APMAP	0.79713	0.65234	0.249	0.26	1	HC_vs_MS.NoTrt_F
G6PC2	0.79761	0.2732	0.379	0.41	1	HC_vs_MS.NoTrt_F
DGKE	0.79881	0.3856	0.74	0.75	1	HC_vs_MS.NoTrt_F
GEMIN2	0.79982	0.38566	0.691	0.71	1	HC_vs_MS.NoTrt_F
ZC3H6	0.80036	-0.4717	0.85	0.79	1	HC_vs_MS.NoTrt_F
SPEG	0.80068	0.70294	0.303	0.32	1	HC_vs_MS.NoTrt_F
C11orf70	0.80078	0.25264	0.266	0.29	1	HC_vs_MS.NoTrt_F
ZSWIM8	0.8008	0.83497	0.838	0.86	1	HC_vs_MS.NoTrt_F
PARP11	0.80101	0.30222	0.543	0.51	1	HC_vs_MS.NoTrt_F
CCDC171	0.80214	0.96672	0.569	0.6	1	HC_vs_MS.NoTrt_F
POLK	0.80221	0.37304	0.835	0.87	1	HC_vs_MS.NoTrt_F
POLR2D	0.8027	-0.289	0.789	0.77	1	HC_vs_MS.NoTrt_F
CDK6	0.80277	1.44989	0.257	0.27	1	HC_vs_MS.NoTrt_F
MFAP3	0.80308	0.2961	0.682	0.69	1	HC_vs_MS.NoTrt_F
ARHGAP33	0.80329	0.96279	0.197	0.22	1	HC_vs_MS.NoTrt_F
NLN	0.80353	-0.4906	0.754	0.71	1	HC_vs_MS.NoTrt_F
C22orf46	0.80393	0.63235	0.39	0.38	1	HC_vs_MS.NoTrt_F
ZNF616	0.8041	0.51127	0.766	0.83	1	HC_vs_MS.NoTrt_F
FAM63A	0.80441	0.89762	0.581	0.59	1	HC_vs_MS.NoTrt_F
WBP2NL	0.80488	0.51911	0.419	0.43	1	HC_vs_MS.NoTrt_F
TPGS1	0.8052	1.51317	0.312	0.29	1	HC_vs_MS.NoTrt_F
MPDU1	0.80626	-0.3253	0.861	0.89	1	HC_vs_MS.NoTrt_F
PIEZO1	0.80651	0.2793	0.448	0.43	1	HC_vs_MS.NoTrt_F

NBPF10	0.80684	-0.4204	0.303	0.3	1	HC_vs_MS.NoTrt_F
ASAH2B	0.80699	0.32938	0.422	0.41	1	HC_vs_MS.NoTrt_F
ZNF2	0.80714	-0.764	0.382	0.38	1	HC_vs_MS.NoTrt_F
C1QTNF2	0.80763	0.27058	0.344	0.35	1	HC_vs_MS.NoTrt_F
PGM5	0.80794	0.41393	0.104	0.12	1	HC_vs_MS.NoTrt_F
ANAPC5	0.80883	0.26661	0.962	0.96	1	HC_vs_MS.NoTrt_F
RP11-327P2	0.80926	0.38556	0.191	0.2	1	HC_vs_MS.NoTrt_F
H2AFV	0.8094	0.32688	0.691	0.73	1	HC_vs_MS.NoTrt_F
PXDN	0.80943	1.1111	0.26	0.25	1	HC_vs_MS.NoTrt_F
NR6A1	0.81113	-0.9328	0.477	0.47	1	HC_vs_MS.NoTrt_F
SRGAP3	0.81144	0.87047	0.879	0.88	1	HC_vs_MS.NoTrt_F
GPATCH2L	0.81161	0.52312	0.769	0.72	1	HC_vs_MS.NoTrt_F
HLTF	0.81225	2.33788	0.494	0.51	1	HC_vs_MS.NoTrt_F
ARHGEF4	0.81228	0.55031	0.627	0.64	1	HC_vs_MS.NoTrt_F
ZNF720	0.81263	0.80409	0.584	0.59	1	HC_vs_MS.NoTrt_F
ESYT3	0.81321	0.46639	0.584	0.57	1	HC_vs_MS.NoTrt_F
MTG2	0.81448	-0.4226	0.847	0.83	1	HC_vs_MS.NoTrt_F
LARS2	0.81522	0.62289	0.546	0.54	1	HC_vs_MS.NoTrt_F
ATAD5	0.81527	0.28319	0.618	0.64	1	HC_vs_MS.NoTrt_F
LTBP4	0.81554	0.53459	0.561	0.57	1	HC_vs_MS.NoTrt_F
BRD9	0.81605	0.79591	0.234	0.26	1	HC_vs_MS.NoTrt_F
POM121C	0.81645	0.42395	0.497	0.5	1	HC_vs_MS.NoTrt_F
C21orf58	0.81666	0.35382	0.532	0.55	1	HC_vs_MS.NoTrt_F
ZMAT5	0.81751	0.38029	0.777	0.78	1	HC_vs_MS.NoTrt_F
CYP51A1	0.81756	0.49122	0.532	0.54	1	HC_vs_MS.NoTrt_F
NOX5	0.81768	0.38423	0.592	0.62	1	HC_vs_MS.NoTrt_F
EFHD1	0.81781	-0.3898	0.315	0.34	1	HC_vs_MS.NoTrt_F
MAP3K10	0.81844	0.78453	0.39	0.38	1	HC_vs_MS.NoTrt_F
CLTC	0.81884	-0.4379	0.483	0.44	1	HC_vs_MS.NoTrt_F
ZNF530	0.81889	-0.5322	0.509	0.52	1	HC_vs_MS.NoTrt_F
ATP10D	0.81917	1.29709	0.405	0.4	1	HC_vs_MS.NoTrt_F
NAA50	0.81965	-0.4099	0.512	0.53	1	HC_vs_MS.NoTrt_F
NLRP3	0.8206	1.01756	0.28	0.29	1	HC_vs_MS.NoTrt_F
EIF2B2	0.82082	-0.4999	0.616	0.6	1	HC_vs_MS.NoTrt_F
NOTCH2	0.82124	0.81009	0.309	0.33	1	HC_vs_MS.NoTrt_F
NEK6	0.82131	0.64339	0.162	0.18	1	HC_vs_MS.NoTrt_F
NCR1	0.82172	1.28906	0.266	0.28	1	HC_vs_MS.NoTrt_F
TRIM34	0.82198	1.2162	0.387	0.37	1	HC_vs_MS.NoTrt_F
CD109	0.82233	0.38235	0.477	0.46	1	HC_vs_MS.NoTrt_F
CLCN7	0.82233	0.27103	0.387	0.4	1	HC_vs_MS.NoTrt_F

LANCL2	0.82261	0.6775	0.185	0.2	1	HC_vs_MS.NoTrt_F
SLC25A20	0.82266	0.49075	0.171	0.18	1	HC_vs_MS.NoTrt_F
STIL	0.82322	-0.4499	0.668	0.63	1	HC_vs_MS.NoTrt_F
PRDX4	0.82327	0.3731	0.176	0.17	1	HC_vs_MS.NoTrt_F
GINS4	0.82333	0.39203	0.916	0.93	1	HC_vs_MS.NoTrt_F
TNXB	0.82366	1.70903	0.168	0.18	1	HC_vs_MS.NoTrt_F
TNFRSF21	0.82383	0.92969	0.185	0.19	1	HC_vs_MS.NoTrt_F
UPF3A	0.82403	-0.291	0.775	0.79	1	HC_vs_MS.NoTrt_F
KCNK10	0.82425	0.33346	0.173	0.18	1	HC_vs_MS.NoTrt_F
SMIM11A	0.82427	0.71712	0.295	0.32	1	HC_vs_MS.NoTrt_F
CTDSPL	0.82445	0.4868	0.335	0.32	1	HC_vs_MS.NoTrt_F
FGF11	0.8249	0.31838	0.306	0.31	1	HC_vs_MS.NoTrt_F
SIGLEC6	0.82493	0.66175	0.535	0.49	1	HC_vs_MS.NoTrt_F
PQLC2	0.82531	-0.974	0.454	0.45	1	HC_vs_MS.NoTrt_F
C17orf62	0.82556	0.38061	0.731	0.76	1	HC_vs_MS.NoTrt_F
GUCD1	0.82571	-0.7311	0.512	0.48	1	HC_vs_MS.NoTrt_F
OLR1	0.82589	0.31419	0.471	0.48	1	HC_vs_MS.NoTrt_F
ARHGEF9	0.82596	0.56039	0.613	0.62	1	HC_vs_MS.NoTrt_F
SRBD1	0.82637	-0.6972	0.46	0.45	1	HC_vs_MS.NoTrt_F
KIF3B	0.82641	0.40887	0.5	0.49	1	HC_vs_MS.NoTrt_F
ITGA2	0.82656	-0.3376	0.477	0.45	1	HC_vs_MS.NoTrt_F
SCAND1	0.82659	0.4776	0.272	0.29	1	HC_vs_MS.NoTrt_F
ADCY4	0.82674	0.31167	0.15	0.17	1	HC_vs_MS.NoTrt_F
TEP1	0.8269	0.77494	0.488	0.52	1	HC_vs_MS.NoTrt_F
CNOT6L	0.82704	0.49515	0.329	0.35	1	HC_vs_MS.NoTrt_F
METTL14	0.82784	0.35426	0.543	0.51	1	HC_vs_MS.NoTrt_F
SEMA3D	0.82832	0.28405	0.595	0.56	1	HC_vs_MS.NoTrt_F
SARDH	0.82834	0.54162	0.486	0.49	1	HC_vs_MS.NoTrt_F
MATN1	0.82892	1.28377	0.116	0.13	1	HC_vs_MS.NoTrt_F
MYOM1	0.82925	-0.3515	0.402	0.39	1	HC_vs_MS.NoTrt_F
PHB2	0.82927	0.36337	0.275	0.26	1	HC_vs_MS.NoTrt_F
TJP1	0.82933	1.18971	0.263	0.27	1	HC_vs_MS.NoTrt_F
ZFPM1	0.82953	0.83602	0.11	0.12	1	HC_vs_MS.NoTrt_F
ZNF578	0.82971	0.29196	0.962	0.97	1	HC_vs_MS.NoTrt_F
IGSF11	0.83034	0.25033	0.095	0.11	1	HC_vs_MS.NoTrt_F
FOXRED2	0.83061	0.36039	0.59	0.6	1	HC_vs_MS.NoTrt_F
TMEM2	0.83107	0.39477	0.708	0.71	1	HC_vs_MS.NoTrt_F
TP53I11	0.83155	1.29312	0.162	0.16	1	HC_vs_MS.NoTrt_F
PRMT3	0.83159	-0.3622	0.358	0.36	1	HC_vs_MS.NoTrt_F
ZNF669	0.83189	-0.3202	0.624	0.66	1	HC_vs_MS.NoTrt_F

LSG1	0.8323	-0.4328	0.503	0.48	1	HC_vs_MS.NoTrt_F
LTA4H	0.83321	0.49792	0.393	0.4	1	HC_vs_MS.NoTrt_F
ZNF277	0.83377	-0.4056	0.616	0.61	1	HC_vs_MS.NoTrt_F
COPB2	0.83377	-0.5128	0.908	0.96	1	HC_vs_MS.NoTrt_F
TMEM129	0.83385	0.43751	0.107	0.12	1	HC_vs_MS.NoTrt_F
MAEL	0.83401	0.56148	0.529	0.54	1	HC_vs_MS.NoTrt_F
TMEM260	0.8346	-0.5829	0.46	0.45	1	HC_vs_MS.NoTrt_F
NQO2	0.83468	-0.3926	0.829	0.8	1	HC_vs_MS.NoTrt_F
ITGAX	0.83534	1.60816	0.558	0.56	1	HC_vs_MS.NoTrt_F
LRRC37A	0.83569	0.73191	0.434	0.45	1	HC_vs_MS.NoTrt_F
IQGAP1	0.83608	0.29314	0.847	0.87	1	HC_vs_MS.NoTrt_F
CNDP1	0.8364	0.44424	0.671	0.69	1	HC_vs_MS.NoTrt_F
METTL22	0.83727	0.61946	0.705	0.7	1	HC_vs_MS.NoTrt_F
IPO9	0.83731	-0.9641	0.876	0.86	1	HC_vs_MS.NoTrt_F
IFIT1	0.83734	0.63804	0.312	0.32	1	HC_vs_MS.NoTrt_F
IAPP	0.83735	0.25106	0.46	0.45	1	HC_vs_MS.NoTrt_F
PAX5	0.83748	0.49739	0.159	0.16	1	HC_vs_MS.NoTrt_F
LYRM1	0.83793	-0.8703	0.616	0.57	1	HC_vs_MS.NoTrt_F
DNAJC14	0.83799	-0.4747	0.65	0.62	1	HC_vs_MS.NoTrt_F
VN1R1	0.83806	1.24335	0.211	0.2	1	HC_vs_MS.NoTrt_F
FAM20B	0.83832	0.37617	0.63	0.62	1	HC_vs_MS.NoTrt_F
PHEX	0.83837	-0.2588	0.104	0.11	1	HC_vs_MS.NoTrt_F
TMPRSS7	0.83847	0.32807	0.306	0.3	1	HC_vs_MS.NoTrt_F
F2RL3	0.8388	0.52833	0.818	0.78	1	HC_vs_MS.NoTrt_F
FBXL5	0.83909	0.62208	0.376	0.42	1	HC_vs_MS.NoTrt_F
N4BP2	0.84025	-0.31	0.451	0.44	1	HC_vs_MS.NoTrt_F
RAD51C	0.84084	-0.2706	0.968	0.97	1	HC_vs_MS.NoTrt_F
DENND4A	0.84113	0.61167	0.439	0.46	1	HC_vs_MS.NoTrt_F
CHD7	0.84118	-0.3335	0.636	0.6	1	HC_vs_MS.NoTrt_F
APBA1	0.84133	-1.1415	0.451	0.45	1	HC_vs_MS.NoTrt_F
CDK19	0.84199	0.3614	0.358	0.37	1	HC_vs_MS.NoTrt_F
VPS13B	0.84318	0.32291	0.76	0.77	1	HC_vs_MS.NoTrt_F
C1orf109	0.84505	-0.4178	0.922	0.86	1	HC_vs_MS.NoTrt_F
WFDC11	0.84512	0.3437	0.289	0.3	1	HC_vs_MS.NoTrt_F
ICAM1	0.84582	0.70379	0.555	0.61	1	HC_vs_MS.NoTrt_F
PPWD1	0.84627	0.33636	0.301	0.33	1	HC_vs_MS.NoTrt_F
POLA2	0.84695	-0.3733	0.662	0.66	1	HC_vs_MS.NoTrt_F
FAM210A	0.84724	-0.5388	0.39	0.4	1	HC_vs_MS.NoTrt_F
DENND1A	0.84735	0.49348	0.558	0.56	1	HC_vs_MS.NoTrt_F
COX20	0.84737	0.53712	0.671	0.65	1	HC_vs_MS.NoTrt_F

DCAF13	0.84745	0.36596	0.766	0.72	1	HC_vs_MS.NoTrt_F
ITGA4	0.84754	0.54484	0.272	0.3	1	HC_vs_MS.NoTrt_F
NAA15	0.84822	0.27718	0.801	0.79	1	HC_vs_MS.NoTrt_F
TARS2	0.84824	0.49508	0.809	0.87	1	HC_vs_MS.NoTrt_F
RNF220	0.8484	0.74795	0.699	0.73	1	HC_vs_MS.NoTrt_F
SPATA6	0.84853	0.57455	0.173	0.18	1	HC_vs_MS.NoTrt_F
TGIF2	0.84882	-0.5834	0.413	0.41	1	HC_vs_MS.NoTrt_F
PLD3	0.84992	0.42015	0.772	0.82	1	HC_vs_MS.NoTrt_F
MX1	0.85001	0.2826	0.786	0.82	1	HC_vs_MS.NoTrt_F
MTHFR	0.85045	0.32979	0.838	0.9	1	HC_vs_MS.NoTrt_F
RBP1	0.85072	0.32207	0.468	0.48	1	HC_vs_MS.NoTrt_F
MTF2	0.85091	0.52384	0.402	0.38	1	HC_vs_MS.NoTrt_F
SIMC1	0.8521	0.67942	0.526	0.53	1	HC_vs_MS.NoTrt_F
DPH5	0.85218	0.40538	0.361	0.36	1	HC_vs_MS.NoTrt_F
CHD8	0.85223	0.71136	0.399	0.41	1	HC_vs_MS.NoTrt_F
SLC35F6	0.85274	0.39098	0.85	0.9	1	HC_vs_MS.NoTrt_F
SYT16	0.85286	0.45798	0.312	0.33	1	HC_vs_MS.NoTrt_F
EEA1	0.85305	-0.4912	0.277	0.28	1	HC_vs_MS.NoTrt_F
NOTCH2NL	0.85339	0.91233	0.292	0.3	1	HC_vs_MS.NoTrt_F
RP11-176H8	0.854	0.543	0.887	0.87	1	HC_vs_MS.NoTrt_F
HSD17B8	0.85402	0.50805	0.153	0.16	1	HC_vs_MS.NoTrt_F
ACSM6	0.85479	0.48861	0.147	0.15	1	HC_vs_MS.NoTrt_F
AFDN	0.85488	1.47015	0.185	0.18	1	HC_vs_MS.NoTrt_F
MTRF1	0.85534	-0.4205	0.598	0.56	1	HC_vs_MS.NoTrt_F
FBXO11	0.85556	0.42352	0.526	0.56	1	HC_vs_MS.NoTrt_F
PLEC	0.85587	0.70239	0.439	0.48	1	HC_vs_MS.NoTrt_F
RGPD2	0.8561	1.23052	0.243	0.27	1	HC_vs_MS.NoTrt_F
UROS	0.85682	0.54929	0.509	0.5	1	HC_vs_MS.NoTrt_F
MAST4	0.85685	-0.54	0.676	0.65	1	HC_vs_MS.NoTrt_F
NBEAL1	0.85688	0.83808	0.899	0.91	1	HC_vs_MS.NoTrt_F
BRD8	0.85724	-0.4775	0.786	0.77	1	HC_vs_MS.NoTrt_F
NDUFAF6	0.85777	-0.608	0.662	0.66	1	HC_vs_MS.NoTrt_F
EXT1	0.85832	1.17707	0.199	0.21	1	HC_vs_MS.NoTrt_F
CNN3	0.85872	0.45322	0.289	0.3	1	HC_vs_MS.NoTrt_F
CSRNP1	0.85974	0.92763	0.327	0.37	1	HC_vs_MS.NoTrt_F
RP11-347C1	0.86022	0.28374	0.809	0.83	1	HC_vs_MS.NoTrt_F
EREG	0.86053	0.54277	0.853	0.88	1	HC_vs_MS.NoTrt_F
LIG3	0.86056	0.54692	0.289	0.28	1	HC_vs_MS.NoTrt_F
CCR8	0.86133	0.89908	0.257	0.26	1	HC_vs_MS.NoTrt_F
CEP68	0.86158	-0.8498	0.598	0.55	1	HC_vs_MS.NoTrt_F



ADRB2	0.8619	0.41708	0.309	0.31	1	HC_vs_MS.NoTrt_F
VPS33A	0.86216	-0.4146	0.876	0.86	1	HC_vs_MS.NoTrt_F
ABCA6	0.86285	0.47239	0.685	0.67	1	HC_vs_MS.NoTrt_F
TCF25	0.86315	0.3075	0.936	0.96	1	HC_vs_MS.NoTrt_F
FPR1	0.86337	0.6673	0.506	0.53	1	HC_vs_MS.NoTrt_F
XRCC3	0.8638	-0.3355	0.514	0.5	1	HC_vs_MS.NoTrt_F
EXOSC7	0.86543	0.30398	0.552	0.56	1	HC_vs_MS.NoTrt_F
ZDHHC4	0.86571	-0.3152	0.52	0.52	1	HC_vs_MS.NoTrt_F
PGAP1	0.8658	0.9182	0.457	0.46	1	HC_vs_MS.NoTrt_F
TIMM10B	0.86601	0.43683	0.616	0.58	1	HC_vs_MS.NoTrt_F
DOCK4	0.86602	0.36553	0.318	0.32	1	HC_vs_MS.NoTrt_F
FOSL2	0.86658	0.65381	0.347	0.39	1	HC_vs_MS.NoTrt_F
FLOT1	0.86666	0.644	0.223	0.22	1	HC_vs_MS.NoTrt_F
ZNF836	0.86702	-1.2043	0.251	0.24	1	HC_vs_MS.NoTrt_F
USP32	0.8677	2.47248	0.332	0.37	1	HC_vs_MS.NoTrt_F
PRKCB	0.8683	0.41131	0.298	0.3	1	HC_vs_MS.NoTrt_F
ZFYVE28	0.86845	0.83707	0.231	0.25	1	HC_vs_MS.NoTrt_F
RIT1	0.86944	0.48892	0.477	0.5	1	HC_vs_MS.NoTrt_F
PAQR3	0.86945	1.10743	0.159	0.17	1	HC_vs_MS.NoTrt_F
RRP1	0.86985	0.37295	0.711	0.71	1	HC_vs_MS.NoTrt_F
CCDC138	0.8701	0.35232	0.217	0.22	1	HC_vs_MS.NoTrt_F
SLC22A5	0.87047	0.45778	0.428	0.42	1	HC_vs_MS.NoTrt_F
AC138969.4	0.87068	0.65083	0.448	0.45	1	HC_vs_MS.NoTrt_F
VMP1	0.87085	0.27502	0.858	0.88	1	HC_vs_MS.NoTrt_F
HERC3	0.87142	0.75002	0.341	0.37	1	HC_vs_MS.NoTrt_F
CD160	0.87199	1.28843	0.318	0.32	1	HC_vs_MS.NoTrt_F
POU5F1B	0.87247	0.2583	0.451	0.45	1	HC_vs_MS.NoTrt_F
MCF2L	0.87266	0.53572	0.37	0.35	1	HC_vs_MS.NoTrt_F
ZNF555	0.87322	-0.5513	0.711	0.71	1	HC_vs_MS.NoTrt_F
COLGALT1	0.8734	0.31286	0.523	0.54	1	HC_vs_MS.NoTrt_F
TXN2	0.87342	0.47501	0.382	0.38	1	HC_vs_MS.NoTrt_F
PMM2	0.87393	-0.3352	0.777	0.79	1	HC_vs_MS.NoTrt_F
PIGH	0.87449	0.35488	0.688	0.68	1	HC_vs_MS.NoTrt_F
CIART	0.87545	0.36231	0.558	0.57	1	HC_vs_MS.NoTrt_F
PRRC2A	0.87579	0.36236	0.809	0.85	1	HC_vs_MS.NoTrt_F
ALDH8A1	0.87584	0.37848	0.59	0.61	1	HC_vs_MS.NoTrt_F
MRM3	0.87601	0.85875	0.347	0.36	1	HC_vs_MS.NoTrt_F
RAB40B	0.87619	0.3528	0.601	0.62	1	HC_vs_MS.NoTrt_F
MAGT1	0.87723	0.42748	0.867	0.84	1	HC_vs_MS.NoTrt_F
SNX11	0.87802	0.82823	0.642	0.67	1	HC_vs_MS.NoTrt_F

PRRC2C	0.8784	0.26535	0.847	0.86	1	HC_vs_MS.NoTrt_F
PHKG1	0.87858	0.65184	0.373	0.4	1	HC_vs_MS.NoTrt_F
C3orf33	0.87956	-0.4546	0.532	0.58	1	HC_vs_MS.NoTrt_F
PIAS3	0.88035	0.85972	0.249	0.25	1	HC_vs_MS.NoTrt_F
NFIC	0.88051	0.41771	0.483	0.49	1	HC_vs_MS.NoTrt_F
AGRN	0.88064	0.53368	0.416	0.42	1	HC_vs_MS.NoTrt_F
ANKFY1	0.88067	0.5894	0.697	0.71	1	HC_vs_MS.NoTrt_F
EMG1	0.88091	0.42796	0.225	0.23	1	HC_vs_MS.NoTrt_F
AGMO	0.88115	1.36365	0.272	0.27	1	HC_vs_MS.NoTrt_F
ZNF69	0.88136	0.77832	0.454	0.44	1	HC_vs_MS.NoTrt_F
NEGR1	0.88152	0.32251	0.873	0.89	1	HC_vs_MS.NoTrt_F
ZCCHC11	0.88186	0.38522	0.945	0.97	1	HC_vs_MS.NoTrt_F
ACAT1	0.88196	0.28055	0.688	0.72	1	HC_vs_MS.NoTrt_F
SIGLEC14	0.88197	0.60008	0.289	0.3	1	HC_vs_MS.NoTrt_F
DGAT2	0.88283	0.33009	0.353	0.37	1	HC_vs_MS.NoTrt_F
CNOT1	0.88342	0.77016	0.835	0.85	1	HC_vs_MS.NoTrt_F
CACNA1D	0.88349	0.50732	0.728	0.74	1	HC_vs_MS.NoTrt_F
BAG2	0.88364	0.27149	0.306	0.29	1	HC_vs_MS.NoTrt_F
LGR6	0.88365	-0.5132	0.168	0.18	1	HC_vs_MS.NoTrt_F
TMEM219	0.88367	0.5705	0.327	0.34	1	HC_vs_MS.NoTrt_F
MLXIPL	0.88375	0.34582	0.494	0.52	1	HC_vs_MS.NoTrt_F
ANKRD13D	0.88393	0.74514	0.734	0.74	1	HC_vs_MS.NoTrt_F
CNIH3	0.88394	0.41249	0.234	0.23	1	HC_vs_MS.NoTrt_F
PSMB5	0.88451	0.50928	0.231	0.22	1	HC_vs_MS.NoTrt_F
WDR83	0.88463	0.34911	0.607	0.6	1	HC_vs_MS.NoTrt_F
PDE4B	0.88519	0.77127	0.445	0.54	1	HC_vs_MS.NoTrt_F
CCDC157	0.88547	0.31129	0.694	0.7	1	HC_vs_MS.NoTrt_F
IFT88	0.88594	0.73366	0.581	0.58	1	HC_vs_MS.NoTrt_F
HYAL4	0.88595	0.4286	0.549	0.56	1	HC_vs_MS.NoTrt_F
AC024592.1	0.88659	0.90962	0.376	0.39	1	HC_vs_MS.NoTrt_F
PEA15	0.8866	0.62047	0.194	0.19	1	HC_vs_MS.NoTrt_F
SLC25A42	0.88666	1.03741	0.607	0.61	1	HC_vs_MS.NoTrt_F
COX5A	0.8874	0.38731	0.35	0.35	1	HC_vs_MS.NoTrt_F
TMEM143	0.88743	0.83026	0.543	0.55	1	HC_vs_MS.NoTrt_F
DHTKD1	0.8899	0.37579	0.858	0.85	1	HC_vs_MS.NoTrt_F
GPR155	0.88994	-0.2836	0.939	0.91	1	HC_vs_MS.NoTrt_F
DARS	0.88999	0.54918	0.428	0.44	1	HC_vs_MS.NoTrt_F
KCNJ14	0.89002	0.3556	0.653	0.64	1	HC_vs_MS.NoTrt_F
TMEM127	0.89046	0.45753	0.754	0.71	1	HC_vs_MS.NoTrt_F
NR2C1	0.89124	0.56343	0.746	0.76	1	HC_vs_MS.NoTrt_F

PRMT1	0.89159	0.39336	0.832	0.85	1	HC_vs_MS.NoTrt_F
C14orf79	0.89197	0.35957	0.639	0.63	1	HC_vs_MS.NoTrt_F
POLRMT	0.89224	1.2547	0.176	0.18	1	HC_vs_MS.NoTrt_F
EMCN	0.8928	0.55674	0.509	0.5	1	HC_vs_MS.NoTrt_F
TBC1D10B	0.89303	0.28026	0.697	0.73	1	HC_vs_MS.NoTrt_F
BAG5	0.89323	-0.7064	0.416	0.4	1	HC_vs_MS.NoTrt_F
VPS25	0.89326	0.75677	0.338	0.34	1	HC_vs_MS.NoTrt_F
FBXL20	0.89331	0.43547	0.951	0.94	1	HC_vs_MS.NoTrt_F
PAXIP1	0.89419	-0.5291	0.474	0.45	1	HC_vs_MS.NoTrt_F
CEP135	0.89428	-0.2754	0.824	0.8	1	HC_vs_MS.NoTrt_F
MAP7D1	0.89444	0.27903	0.59	0.58	1	HC_vs_MS.NoTrt_F
PRDM2	0.89519	0.66869	0.52	0.57	1	HC_vs_MS.NoTrt_F
OSBPL9	0.89542	-0.2974	0.425	0.41	1	HC_vs_MS.NoTrt_F
GNAI2	0.89542	0.59897	0.451	0.45	1	HC_vs_MS.NoTrt_F
INTS3	0.89559	0.34998	0.769	0.79	1	HC_vs_MS.NoTrt_F
MCOLN2	0.89578	0.27641	0.509	0.51	1	HC_vs_MS.NoTrt_F
ERV3-1	0.89629	-0.3396	0.581	0.54	1	HC_vs_MS.NoTrt_F
YTHDF3	0.89632	0.29198	0.754	0.75	1	HC_vs_MS.NoTrt_F
STX3	0.89685	1.20927	0.483	0.49	1	HC_vs_MS.NoTrt_F
FCRL1	0.89863	0.90713	0.318	0.34	1	HC_vs_MS.NoTrt_F
SLC26A8	0.89911	0.35763	0.731	0.77	1	HC_vs_MS.NoTrt_F
SATB1	0.8992	1.30702	0.249	0.25	1	HC_vs_MS.NoTrt_F
GMPR	0.89929	0.35492	0.39	0.4	1	HC_vs_MS.NoTrt_F
C1orf216	0.90005	0.49245	0.789	0.84	1	HC_vs_MS.NoTrt_F
MAN2A2	0.90032	1.39889	0.364	0.37	1	HC_vs_MS.NoTrt_F
MTA3	0.90103	0.4891	0.697	0.7	1	HC_vs_MS.NoTrt_F
DPYSL2	0.90108	-0.396	0.52	0.49	1	HC_vs_MS.NoTrt_F
DUSP6	0.90129	1.19166	0.147	0.16	1	HC_vs_MS.NoTrt_F
UACA	0.90141	0.73123	0.532	0.5	1	HC_vs_MS.NoTrt_F
KIF9	0.9018	0.29836	0.173	0.19	1	HC_vs_MS.NoTrt_F
IRGM	0.90199	0.64854	0.413	0.43	1	HC_vs_MS.NoTrt_F
FAM179A	0.90206	-0.379	0.838	0.86	1	HC_vs_MS.NoTrt_F
POLR1A	0.9027	0.56311	0.772	0.76	1	HC_vs_MS.NoTrt_F
ZNF326	0.9032	-0.2928	0.639	0.62	1	HC_vs_MS.NoTrt_F
DEF8	0.90335	-0.6076	0.512	0.53	1	HC_vs_MS.NoTrt_F
NDST1	0.9038	0.66642	0.382	0.36	1	HC_vs_MS.NoTrt_F
CCDC18	0.90383	0.69329	0.249	0.26	1	HC_vs_MS.NoTrt_F
ERCC1	0.9039	0.47258	0.861	0.81	1	HC_vs_MS.NoTrt_F
PIK3CB	0.90433	-0.616	0.517	0.49	1	HC_vs_MS.NoTrt_F
RTCA	0.90456	0.41661	0.645	0.64	1	HC_vs_MS.NoTrt_F

SAMD4A	0.9046	0.52475	0.63	0.65	1	HC_vs_MS.NoTrt_F
TTC38	0.90464	0.80032	0.538	0.52	1	HC_vs_MS.NoTrt_F
ADM2	0.90467	-0.4346	0.358	0.35	1	HC_vs_MS.NoTrt_F
FAM60A	0.90504	0.27344	0.535	0.56	1	HC_vs_MS.NoTrt_F
SSR4	0.90556	0.55465	0.448	0.45	1	HC_vs_MS.NoTrt_F
MTMR1	0.90671	0.90516	0.254	0.27	1	HC_vs_MS.NoTrt_F
PTPN23	0.90749	0.45422	0.205	0.2	1	HC_vs_MS.NoTrt_F
CXCL14	0.90757	1.64757	0.194	0.2	1	HC_vs_MS.NoTrt_F
MECP2	0.90814	0.32012	0.962	0.97	1	HC_vs_MS.NoTrt_F
EXOSC2	0.90874	0.32557	0.792	0.78	1	HC_vs_MS.NoTrt_F
LINS1	0.90912	0.30766	0.627	0.69	1	HC_vs_MS.NoTrt_F
CDS2	0.90955	0.36162	0.827	0.86	1	HC_vs_MS.NoTrt_F
LRRC8B	0.90959	0.74294	0.488	0.48	1	HC_vs_MS.NoTrt_F
SFN	0.90964	0.46742	0.353	0.35	1	HC_vs_MS.NoTrt_F
TMEM159	0.9098	0.35615	0.61	0.59	1	HC_vs_MS.NoTrt_F
SHPK	0.91024	-0.373	0.512	0.49	1	HC_vs_MS.NoTrt_F
PURA	0.91086	-0.5563	0.136	0.14	1	HC_vs_MS.NoTrt_F
SUN3	0.91171	0.33724	0.413	0.4	1	HC_vs_MS.NoTrt_F
EPHX2	0.91177	0.91176	0.353	0.38	1	HC_vs_MS.NoTrt_F
IPO8	0.91195	0.271	0.575	0.62	1	HC_vs_MS.NoTrt_F
ARHGEF39	0.91207	0.30326	0.737	0.76	1	HC_vs_MS.NoTrt_F
MMP25	0.91263	0.90739	0.197	0.21	1	HC_vs_MS.NoTrt_F
MEIS2	0.9136	0.4025	0.225	0.23	1	HC_vs_MS.NoTrt_F
SLC13A5	0.91381	0.33982	0.789	0.82	1	HC_vs_MS.NoTrt_F
NDUFA5	0.91408	0.32812	0.659	0.69	1	HC_vs_MS.NoTrt_F
STRADA	0.9143	0.3354	0.656	0.62	1	HC_vs_MS.NoTrt_F
MACF1	0.9145	0.35898	0.91	0.92	1	HC_vs_MS.NoTrt_F
MAPK10	0.9146	0.52763	0.332	0.33	1	HC_vs_MS.NoTrt_F
USP9X	0.91483	0.27251	0.645	0.65	1	HC_vs_MS.NoTrt_F
KIF18A	0.91494	0.35272	0.405	0.42	1	HC_vs_MS.NoTrt_F
ZKSCAN5	0.91543	-0.5571	0.691	0.67	1	HC_vs_MS.NoTrt_F
NOS3	0.91548	-0.4746	0.445	0.43	1	HC_vs_MS.NoTrt_F
ETF1	0.91597	0.30757	0.448	0.48	1	HC_vs_MS.NoTrt_F
SLC38A2	0.9163	0.59551	0.425	0.44	1	HC_vs_MS.NoTrt_F
ZNF141	0.91769	-0.2651	0.971	0.97	1	HC_vs_MS.NoTrt_F
UGT1A1	0.91802	0.32764	0.569	0.61	1	HC_vs_MS.NoTrt_F
LATS1	0.91815	0.37189	0.717	0.72	1	HC_vs_MS.NoTrt_F
ZBTB16	0.91848	1.78046	0.442	0.44	1	HC_vs_MS.NoTrt_F
USP37	0.91916	-0.3809	0.535	0.51	1	HC_vs_MS.NoTrt_F
ICE2	0.91987	-0.7083	0.882	0.85	1	HC_vs_MS.NoTrt_F

SKIV2L2	0.92072	0.36992	0.887	0.9	1	HC_vs_MS.NoTrt_F
CMPK1	0.92092	0.35295	0.361	0.37	1	HC_vs_MS.NoTrt_F
BMP8B	0.92168	0.2658	0.514	0.5	1	HC_vs_MS.NoTrt_F
ZNF699	0.92192	0.68382	0.353	0.36	1	HC_vs_MS.NoTrt_F
APPBP2	0.92203	-0.6992	0.873	0.85	1	HC_vs_MS.NoTrt_F
AKR1A1	0.92232	0.39656	0.757	0.86	1	HC_vs_MS.NoTrt_F
ALG13	0.92256	0.29711	0.41	0.43	1	HC_vs_MS.NoTrt_F
PDE5A	0.92383	-0.3328	0.153	0.15	1	HC_vs_MS.NoTrt_F
INPP5F	0.92444	0.79454	0.35	0.38	1	HC_vs_MS.NoTrt_F
FUZ	0.92568	0.58944	0.286	0.3	1	HC_vs_MS.NoTrt_F
ENAH	0.92591	0.50145	0.723	0.76	1	HC_vs_MS.NoTrt_F
CCHCR1	0.92631	0.57004	0.376	0.37	1	HC_vs_MS.NoTrt_F
ERBB2	0.92632	0.26823	0.847	0.86	1	HC_vs_MS.NoTrt_F
DAGLB	0.92657	-0.2852	0.861	0.88	1	HC_vs_MS.NoTrt_F
TMTC3	0.9269	0.82857	0.269	0.28	1	HC_vs_MS.NoTrt_F
SLC38A9	0.92699	1.07859	0.434	0.45	1	HC_vs_MS.NoTrt_F
TXK	0.9272	0.7495	0.621	0.64	1	HC_vs_MS.NoTrt_F
NIPBL	0.92774	0.5624	0.624	0.63	1	HC_vs_MS.NoTrt_F
GUF1	0.92784	0.8968	0.448	0.45	1	HC_vs_MS.NoTrt_F
WEE1	0.92857	-0.4456	0.769	0.76	1	HC_vs_MS.NoTrt_F
CTB-50L17.1	0.92857	-0.2566	0.65	0.64	1	HC_vs_MS.NoTrt_F
ZFP30	0.92896	-0.4991	0.844	0.91	1	HC_vs_MS.NoTrt_F
VSTM4	0.92987	0.95633	0.777	0.76	1	HC_vs_MS.NoTrt_F
TNFRSF18	0.93024	1.3483	0.289	0.33	1	HC_vs_MS.NoTrt_F
BAZ1A	0.9307	0.37251	0.483	0.49	1	HC_vs_MS.NoTrt_F
SKP1	0.93123	0.34967	0.853	0.86	1	HC_vs_MS.NoTrt_F
TCEAL1	0.93142	0.86919	0.121	0.13	1	HC_vs_MS.NoTrt_F
KLF7	0.93193	0.44521	0.266	0.25	1	HC_vs_MS.NoTrt_F
RPH3AL	0.93205	0.66122	0.393	0.38	1	HC_vs_MS.NoTrt_F
BPTF	0.9325	0.34712	0.832	0.83	1	HC_vs_MS.NoTrt_F
ZNF658	0.93266	1.22326	0.22	0.22	1	HC_vs_MS.NoTrt_F
NEIL1	0.93292	0.53024	0.824	0.81	1	HC_vs_MS.NoTrt_F
TEX10	0.93309	0.2915	0.526	0.52	1	HC_vs_MS.NoTrt_F
PYCR1	0.93407	0.89421	0.465	0.46	1	HC_vs_MS.NoTrt_F
DBNDD1	0.93457	0.99572	0.182	0.19	1	HC_vs_MS.NoTrt_F
BCL2L11	0.93462	0.34929	0.549	0.55	1	HC_vs_MS.NoTrt_F
FCER1G	0.93475	1.17028	0.671	0.72	1	HC_vs_MS.NoTrt_F
TINAGL1	0.93548	0.32323	0.54	0.55	1	HC_vs_MS.NoTrt_F
SPDYE2B	0.93587	0.857	0.37	0.4	1	HC_vs_MS.NoTrt_F
MTRF1	0.93644	0.41109	0.208	0.21	1	HC_vs_MS.NoTrt_F

CTSB	0.93682	-0.2718	0.974	0.96	1	HC_vs_MS.NoTrt_F
EML5	0.93709	0.46651	0.243	0.24	1	HC_vs_MS.NoTrt_F
SYNE4	0.93749	0.32609	0.517	0.53	1	HC_vs_MS.NoTrt_F
PLAGL1	0.93768	0.4247	0.13	0.14	1	HC_vs_MS.NoTrt_F
UPB1	0.93789	0.32208	0.624	0.66	1	HC_vs_MS.NoTrt_F
FLVCR1	0.93806	0.78166	0.702	0.7	1	HC_vs_MS.NoTrt_F
ULBP3	0.9383	0.27599	0.647	0.6	1	HC_vs_MS.NoTrt_F
HSD3B7	0.93902	0.33911	0.506	0.51	1	HC_vs_MS.NoTrt_F
CALD1	0.93903	1.90197	0.327	0.32	1	HC_vs_MS.NoTrt_F
SCNM1	0.94033	-0.3169	0.824	0.78	1	HC_vs_MS.NoTrt_F
ZSCAN18	0.94034	0.44274	0.731	0.69	1	HC_vs_MS.NoTrt_F
PPAT	0.94056	0.91526	0.344	0.34	1	HC_vs_MS.NoTrt_F
TADA2B	0.94071	1.91342	0.361	0.36	1	HC_vs_MS.NoTrt_F
EPB41L2	0.94102	-0.7496	0.214	0.22	1	HC_vs_MS.NoTrt_F
FSD1L	0.94145	0.41917	0.28	0.27	1	HC_vs_MS.NoTrt_F
ZNF785	0.94276	-0.2738	0.916	0.93	1	HC_vs_MS.NoTrt_F
LTBP3	0.9438	0.70163	0.757	0.76	1	HC_vs_MS.NoTrt_F
NDUFA10	0.94394	0.43048	0.39	0.39	1	HC_vs_MS.NoTrt_F
EMC3	0.94396	-0.2601	0.928	0.91	1	HC_vs_MS.NoTrt_F
PECR	0.94485	0.46491	0.751	0.72	1	HC_vs_MS.NoTrt_F
TBL3	0.94517	0.55996	0.344	0.34	1	HC_vs_MS.NoTrt_F
MMRN2	0.9452	0.29218	0.249	0.26	1	HC_vs_MS.NoTrt_F
ESYT2	0.9454	0.56722	0.668	0.71	1	HC_vs_MS.NoTrt_F
GOLGA8A	0.9456	0.74203	0.509	0.59	1	HC_vs_MS.NoTrt_F
BTBD8	0.94626	0.3061	0.361	0.36	1	HC_vs_MS.NoTrt_F
EXOC5	0.94704	0.68885	0.454	0.47	1	HC_vs_MS.NoTrt_F
TMEM255B	0.94711	0.87811	0.243	0.25	1	HC_vs_MS.NoTrt_F
CARS2	0.94775	0.29956	0.78	0.77	1	HC_vs_MS.NoTrt_F
CYB561D1	0.94837	0.55418	0.5	0.48	1	HC_vs_MS.NoTrt_F
PCBP3	0.9488	0.3249	0.506	0.53	1	HC_vs_MS.NoTrt_F
EXD3	0.94926	0.43275	0.569	0.56	1	HC_vs_MS.NoTrt_F
RFX5	0.95044	0.40136	0.393	0.38	1	HC_vs_MS.NoTrt_F
OTULIN	0.95059	0.42763	0.497	0.47	1	HC_vs_MS.NoTrt_F
MFSD11	0.95059	0.54732	0.497	0.5	1	HC_vs_MS.NoTrt_F
MCMDC2	0.95071	0.83692	0.488	0.5	1	HC_vs_MS.NoTrt_F
NEURL1	0.9509	-0.4772	0.303	0.29	1	HC_vs_MS.NoTrt_F
FER	0.95149	-0.2501	0.575	0.59	1	HC_vs_MS.NoTrt_F
PLEKHG5	0.9516	0.51007	0.182	0.19	1	HC_vs_MS.NoTrt_F
APBB2	0.95168	0.87622	0.376	0.39	1	HC_vs_MS.NoTrt_F
CGRRF1	0.95179	1.22639	0.332	0.33	1	HC_vs_MS.NoTrt_F

ZNF841	0.95234	1.05151	0.538	0.54	1	HC_vs_MS.NoTrt_F
GBA2	0.95269	0.29334	0.656	0.61	1	HC_vs_MS.NoTrt_F
TMEM108	0.9529	0.70323	0.367	0.37	1	HC_vs_MS.NoTrt_F
SLC38A10	0.95293	0.37948	0.448	0.43	1	HC_vs_MS.NoTrt_F
PRRG1	0.953	0.40072	0.251	0.25	1	HC_vs_MS.NoTrt_F
ZNF799	0.95366	0.57886	0.471	0.48	1	HC_vs_MS.NoTrt_F
XPR1	0.95388	0.26369	0.445	0.45	1	HC_vs_MS.NoTrt_F
PHKB	0.95478	-0.5855	0.777	0.77	1	HC_vs_MS.NoTrt_F
ATP1A3	0.95479	-0.4624	0.405	0.4	1	HC_vs_MS.NoTrt_F
ZNF562	0.95483	-0.7213	0.977	0.97	1	HC_vs_MS.NoTrt_F
RP11-849H4	0.95497	0.47895	0.587	0.58	1	HC_vs_MS.NoTrt_F
NOM1	0.95536	-0.5249	0.714	0.69	1	HC_vs_MS.NoTrt_F
PTRF	0.95539	1.15998	0.474	0.46	1	HC_vs_MS.NoTrt_F
ACSS2	0.95569	1.12944	0.572	0.55	1	HC_vs_MS.NoTrt_F
SH3GLB1	0.95592	0.36579	0.555	0.56	1	HC_vs_MS.NoTrt_F
MRPS23	0.95684	-0.5601	0.858	0.84	1	HC_vs_MS.NoTrt_F
NUDT3	0.95741	0.35561	0.584	0.6	1	HC_vs_MS.NoTrt_F
NFKB1	0.95767	1.51975	0.15	0.16	1	HC_vs_MS.NoTrt_F
ATP2A2	0.95822	0.69441	0.749	0.72	1	HC_vs_MS.NoTrt_F
RNF19A	0.95856	0.57728	0.506	0.56	1	HC_vs_MS.NoTrt_F
RASGRF2	0.95889	1.32876	0.228	0.23	1	HC_vs_MS.NoTrt_F
SPINK9	0.9589	0.66753	0.688	0.76	1	HC_vs_MS.NoTrt_F
ZNF140	0.95896	-0.6102	0.223	0.23	1	HC_vs_MS.NoTrt_F
NOP2	0.95897	-0.4124	0.474	0.45	1	HC_vs_MS.NoTrt_F
SHQ1	0.95929	-0.5941	0.754	0.76	1	HC_vs_MS.NoTrt_F
KLLN	0.96123	0.45362	0.497	0.52	1	HC_vs_MS.NoTrt_F
NSL1	0.96128	0.34118	0.821	0.78	1	HC_vs_MS.NoTrt_F
NOTCH3	0.96137	0.30932	0.616	0.63	1	HC_vs_MS.NoTrt_F
KCNN2	0.96139	0.36688	0.309	0.32	1	HC_vs_MS.NoTrt_F
DDB1	0.962	-0.4132	0.922	0.88	1	HC_vs_MS.NoTrt_F
KANK3	0.9628	0.51756	0.277	0.28	1	HC_vs_MS.NoTrt_F
RALGPS1	0.96289	0.87281	0.477	0.45	1	HC_vs_MS.NoTrt_F
C5	0.96321	-0.9637	0.465	0.48	1	HC_vs_MS.NoTrt_F
4-Sep	0.96347	0.8641	0.529	0.5	1	HC_vs_MS.NoTrt_F
NAE1	0.96526	-0.5167	0.737	0.73	1	HC_vs_MS.NoTrt_F
ST8SIA1	0.96547	1.00792	0.647	0.64	1	HC_vs_MS.NoTrt_F
THOC2	0.96547	0.52884	0.601	0.61	1	HC_vs_MS.NoTrt_F
ARFRP1	0.96573	0.41155	0.509	0.53	1	HC_vs_MS.NoTrt_F
IFFO1	0.96629	0.76782	0.474	0.46	1	HC_vs_MS.NoTrt_F
CTD-2521M:	0.96675	0.3167	0.37	0.39	1	HC_vs_MS.NoTrt_F

NME9	0.96712	0.77475	0.275	0.29	1	HC_vs_MS.NoTrt_F
RNF152	0.96733	0.50397	0.509	0.51	1	HC_vs_MS.NoTrt_F
SOS2	0.96738	0.64529	0.136	0.14	1	HC_vs_MS.NoTrt_F
CLDN12	0.9675	0.30554	0.471	0.5	1	HC_vs_MS.NoTrt_F
SLC12A4	0.96764	0.89912	0.286	0.28	1	HC_vs_MS.NoTrt_F
WDR13	0.96799	0.47552	0.884	0.87	1	HC_vs_MS.NoTrt_F
NATD1	0.9687	0.25917	0.561	0.54	1	HC_vs_MS.NoTrt_F
TMEM64	0.96872	0.50672	0.428	0.46	1	HC_vs_MS.NoTrt_F
HIVEP1	0.96923	0.61402	0.665	0.74	1	HC_vs_MS.NoTrt_F
SLC10A3	0.96944	0.38161	0.159	0.16	1	HC_vs_MS.NoTrt_F
ZNF577	0.96945	0.6613	0.428	0.42	1	HC_vs_MS.NoTrt_F
ZNF532	0.96946	-0.3061	0.942	0.97	1	HC_vs_MS.NoTrt_F
NDUFA9	0.97042	-0.3492	0.905	0.9	1	HC_vs_MS.NoTrt_F
CDK17	0.97111	0.83819	0.289	0.31	1	HC_vs_MS.NoTrt_F
CHD3	0.97123	0.44072	0.373	0.38	1	HC_vs_MS.NoTrt_F
GIPC1	0.97133	0.47175	0.552	0.59	1	HC_vs_MS.NoTrt_F
KNL1	0.97166	0.92303	0.451	0.43	1	HC_vs_MS.NoTrt_F
FOXJ3	0.97179	0.56358	0.627	0.61	1	HC_vs_MS.NoTrt_F
SYNGR2	0.97196	0.37664	0.601	0.62	1	HC_vs_MS.NoTrt_F
ALG8	0.97203	-0.5613	0.543	0.51	1	HC_vs_MS.NoTrt_F
EXOC8	0.97271	0.36898	0.46	0.46	1	HC_vs_MS.NoTrt_F
DNAJA1	0.97349	0.34928	0.494	0.5	1	HC_vs_MS.NoTrt_F
CTC-487M2	0.97355	0.32049	0.91	0.95	1	HC_vs_MS.NoTrt_F
BCAR3	0.974	0.5842	0.676	0.66	1	HC_vs_MS.NoTrt_F
TRAPPC3L	0.97427	0.25846	0.616	0.64	1	HC_vs_MS.NoTrt_F
HPS1	0.97474	0.32894	0.668	0.67	1	HC_vs_MS.NoTrt_F
RABGGTB	0.97508	0.32277	0.373	0.38	1	HC_vs_MS.NoTrt_F
DDIAS	0.97519	0.33439	0.46	0.44	1	HC_vs_MS.NoTrt_F
BTBD2	0.97576	0.91485	0.431	0.44	1	HC_vs_MS.NoTrt_F
MTHFD2L	0.9761	0.62642	0.535	0.54	1	HC_vs_MS.NoTrt_F
LYST	0.97622	0.66868	0.422	0.43	1	HC_vs_MS.NoTrt_F
COQ7	0.97758	0.41102	0.434	0.43	1	HC_vs_MS.NoTrt_F
SPCS1	0.97763	0.25041	0.899	0.93	1	HC_vs_MS.NoTrt_F
SLC39A3	0.97766	0.35366	0.65	0.68	1	HC_vs_MS.NoTrt_F
FAM120C	0.97784	0.4203	0.298	0.32	1	HC_vs_MS.NoTrt_F
WDR26	0.9781	0.98386	0.717	0.72	1	HC_vs_MS.NoTrt_F
PTPRCAP	0.9791	0.26818	0.668	0.82	1	HC_vs_MS.NoTrt_F
ZNF212	0.97936	-1.1865	0.506	0.48	1	HC_vs_MS.NoTrt_F
ZNF483	0.97953	-0.324	0.882	0.87	1	HC_vs_MS.NoTrt_F
IL23R	0.97953	-1.1608	0.422	0.4	1	HC_vs_MS.NoTrt_F



GTF2A2	0.98121	-0.7015	0.633	0.62	1	HC_vs_MS.NoTrt_F
PGD	0.98145	0.32409	0.194	0.19	1	HC_vs_MS.NoTrt_F
CEP95	0.98233	0.33782	0.419	0.43	1	HC_vs_MS.NoTrt_F
FAM159A	0.98245	0.38555	0.63	0.63	1	HC_vs_MS.NoTrt_F
POFUT1	0.98311	0.49701	0.616	0.6	1	HC_vs_MS.NoTrt_F
NFAT5	0.98339	0.25976	0.893	0.89	1	HC_vs_MS.NoTrt_F
ITGA10	0.9838	-0.2812	0.543	0.55	1	HC_vs_MS.NoTrt_F
ENOSF1	0.98411	1.09111	0.879	0.9	1	HC_vs_MS.NoTrt_F
BPNT1	0.98469	-0.3082	0.775	0.7	1	HC_vs_MS.NoTrt_F
MEIOC	0.98481	-0.3349	0.699	0.69	1	HC_vs_MS.NoTrt_F
TMEM191C	0.98524	0.30522	0.772	0.83	1	HC_vs_MS.NoTrt_F
SGPP2	0.9856	0.71099	0.399	0.41	1	HC_vs_MS.NoTrt_F
ITM2A	0.98623	0.5776	0.347	0.37	1	HC_vs_MS.NoTrt_F
RABL2A	0.98653	-0.2568	0.601	0.56	1	HC_vs_MS.NoTrt_F
SYTL3	0.98687	0.33331	0.384	0.4	1	HC_vs_MS.NoTrt_F
PRR27	0.98698	0.26038	0.517	0.53	1	HC_vs_MS.NoTrt_F
MAP7D3	0.98722	0.48133	0.662	0.65	1	HC_vs_MS.NoTrt_F
NPAS3	0.98759	0.32646	0.448	0.44	1	HC_vs_MS.NoTrt_F
SLC27A1	0.98796	0.58081	0.87	0.87	1	HC_vs_MS.NoTrt_F
WASH1	0.98864	0.75029	0.266	0.28	1	HC_vs_MS.NoTrt_F
TBC1D31	0.98948	-0.4718	0.685	0.68	1	HC_vs_MS.NoTrt_F
SLC50A1	0.98986	0.32068	0.803	0.8	1	HC_vs_MS.NoTrt_F
HPGD	0.98997	0.74699	0.275	0.29	1	HC_vs_MS.NoTrt_F
SYK	0.99017	0.47526	0.431	0.45	1	HC_vs_MS.NoTrt_F
CAMTA2	0.99041	0.26437	0.549	0.55	1	HC_vs_MS.NoTrt_F
ZNF334	0.99055	0.76415	0.142	0.15	1	HC_vs_MS.NoTrt_F
KLF11	0.99063	0.70645	0.107	0.11	1	HC_vs_MS.NoTrt_F
MOB3B	0.99097	0.34668	0.575	0.57	1	HC_vs_MS.NoTrt_F
RNF41	0.99106	-0.5978	0.801	0.82	1	HC_vs_MS.NoTrt_F
ITIH5	0.99106	0.37022	0.818	0.85	1	HC_vs_MS.NoTrt_F
ZNF91	0.99203	0.7552	0.806	0.82	1	HC_vs_MS.NoTrt_F
POLR2A	0.99205	0.45379	0.844	0.85	1	HC_vs_MS.NoTrt_F
DDI2	0.99226	0.38669	0.812	0.81	1	HC_vs_MS.NoTrt_F
SLC5A5	0.99232	-0.3016	0.517	0.5	1	HC_vs_MS.NoTrt_F
COX15	0.99234	-0.5208	0.639	0.62	1	HC_vs_MS.NoTrt_F
JAKMIP2	0.99307	0.73338	0.512	0.51	1	HC_vs_MS.NoTrt_F
C20orf196	0.99336	0.55655	0.373	0.38	1	HC_vs_MS.NoTrt_F
YEATS2	0.9939	0.30609	0.728	0.7	1	HC_vs_MS.NoTrt_F
SPPL2A	0.99399	0.28183	0.951	0.95	1	HC_vs_MS.NoTrt_F
TARBP1	0.99403	0.58204	0.477	0.49	1	HC_vs_MS.NoTrt_F

DHX29	0.99463	0.49575	0.249	0.25	1	HC_vs_MS.NoTrt_F
AP4E1	0.99505	-0.4915	0.486	0.46	1	HC_vs_MS.NoTrt_F
BTBD9	0.99528	1.22913	0.621	0.63	1	HC_vs_MS.NoTrt_F
DCUN1D5	0.99582	-0.3448	0.483	0.45	1	HC_vs_MS.NoTrt_F
KPNA4	0.99583	0.52989	0.659	0.69	1	HC_vs_MS.NoTrt_F
WSB1	0.99639	0.25443	0.899	0.92	1	HC_vs_MS.NoTrt_F
SCAF4	0.99667	0.3048	0.28	0.29	1	HC_vs_MS.NoTrt_F
PRICKLE3	0.99721	1.03219	0.555	0.53	1	HC_vs_MS.NoTrt_F
HYLS1	0.99737	0.70296	0.454	0.45	1	HC_vs_MS.NoTrt_F
CAGE1	0.99751	0.2503	0.373	0.38	1	HC_vs_MS.NoTrt_F
SH3RF2	0.99754	1.26477	0.191	0.19	1	HC_vs_MS.NoTrt_F
ZNF233	0.99768	0.30856	0.491	0.5	1	HC_vs_MS.NoTrt_F
COQ8A	0.9978	0.30176	0.705	0.7	1	HC_vs_MS.NoTrt_F
OAS3	0.99804	0.48545	0.665	0.69	1	HC_vs_MS.NoTrt_F
PPP1R12B	0.99855	1.21116	0.803	0.8	1	HC_vs_MS.NoTrt_F
RFX1	0.9989	0.92149	0.379	0.38	1	HC_vs_MS.NoTrt_F
FBN1	0.99898	0.45433	0.514	0.53	1	HC_vs_MS.NoTrt_F
DOCK5	0.99901	0.47928	0.587	0.63	1	HC_vs_MS.NoTrt_F
BRD4	1	0.69096	0.353	0.37	1	HC_vs_MS.NoTrt_F
FADS1	1	0.57275	0.647	0.69	1	HC_vs_MS.NoTrt_F
RBBP9	1	0.46167	0.486	0.5	1	HC_vs_MS.NoTrt_F
FAM135A	1	-0.9954	0.471	0.46	1	HC_vs_MS.NoTrt_F
HLA-B	1.14E-36	-0.8265	0.906	0.98	1.82E-32	HC_vs_MS.NoTrt_B
RPS4Y1	2.18E-25	-2.5784	0.072	0.35	3.48E-21	HC_vs_MS.NoTrt_B
FGF23	5.33E-24	2.1637	0.828	0.54	8.52E-20	HC_vs_MS.NoTrt_B
TMSB10	3.97E-19	-0.6517	0.913	1	6.34E-15	HC_vs_MS.NoTrt_B
RPL13A	1.02E-18	-0.5325	0.904	1	1.63E-14	HC_vs_MS.NoTrt_B
ARRDC3	1.17E-18	-0.5935	0.464	0.84	1.87E-14	HC_vs_MS.NoTrt_B
IL32	7.12E-16	-0.5172	0.851	0.97	1.14E-11	HC_vs_MS.NoTrt_B
TMSB4X	1.23E-15	-0.4266	0.993	1	1.97E-11	HC_vs_MS.NoTrt_B
S100A4	1.40E-15	-0.7662	0.491	0.8	2.24E-11	HC_vs_MS.NoTrt_B
MIPOL1	2.42E-15	0.57393	0.997	0.98	3.87E-11	HC_vs_MS.NoTrt_B
CD99	5.40E-15	-0.6729	0.377	0.71	8.63E-11	HC_vs_MS.NoTrt_B
TMEM45A	7.51E-15	0.53795	0.996	1	1.20E-10	HC_vs_MS.NoTrt_B
RPS3	2.09E-14	-0.4008	0.92	1	3.34E-10	HC_vs_MS.NoTrt_B
FRK	3.01E-14	0.47036	0.991	1	4.81E-10	HC_vs_MS.NoTrt_B
B2M	3.14E-14	-0.257	1	1	5.01E-10	HC_vs_MS.NoTrt_B
CRIP1	5.53E-14	-0.8146	0.296	0.57	8.83E-10	HC_vs_MS.NoTrt_B
CD52	9.12E-14	-0.5357	0.742	0.94	1.46E-09	HC_vs_MS.NoTrt_B
ANXA2	1.18E-13	-0.7037	0.607	0.82	1.89E-09	HC_vs_MS.NoTrt_B

RPL27	2.25E-13	-0.4687	0.606	0.89	3.59E-09	HC_vs_MS.NoTrt_B
MT-ND4L	5.17E-13	0.9432	0.984	0.99	8.26E-09	HC_vs_MS.NoTrt_B
MORC4	5.21E-13	0.49767	0.991	1	8.33E-09	HC_vs_MS.NoTrt_B
LSP1	5.92E-13	-0.5472	0.601	0.87	9.45E-09	HC_vs_MS.NoTrt_B
RPS27A	7.25E-13	-0.5093	0.788	0.97	1.16E-08	HC_vs_MS.NoTrt_B
RPL36	1.18E-12	-0.5285	0.593	0.87	1.89E-08	HC_vs_MS.NoTrt_B
RPL7A	1.63E-12	-0.4636	0.764	0.97	2.61E-08	HC_vs_MS.NoTrt_B
UQCR11	2.34E-12	-0.5315	0.504	0.77	3.74E-08	HC_vs_MS.NoTrt_B
RPL27A	2.47E-12	-0.4915	0.928	0.98	3.95E-08	HC_vs_MS.NoTrt_B
RPL28	4.43E-12	-0.4177	0.925	1	7.07E-08	HC_vs_MS.NoTrt_B
ARHGDI B	7.27E-12	-0.352	0.9	1	1.16E-07	HC_vs_MS.NoTrt_B
HLA-A	7.55E-12	-0.5364	0.83	0.94	1.21E-07	HC_vs_MS.NoTrt_B
RAN	1.12E-11	-0.5964	0.39	0.68	1.79E-07	HC_vs_MS.NoTrt_B
RPL19	1.15E-11	-0.4556	0.797	0.94	1.84E-07	HC_vs_MS.NoTrt_B
TMEM50A	1.48E-11	-0.7002	0.233	0.48	2.36E-07	HC_vs_MS.NoTrt_B
C12orf45	1.86E-11	0.38453	0.997	1	2.97E-07	HC_vs_MS.NoTrt_B
RPL24	2.57E-11	-0.5451	0.728	0.91	4.11E-07	HC_vs_MS.NoTrt_B
INTU	3.77E-11	0.50744	0.987	0.97	6.02E-07	HC_vs_MS.NoTrt_B
RPAP2	5.94E-11	0.54234	0.997	1	9.48E-07	HC_vs_MS.NoTrt_B
MTRNR2L12	6.15E-11	0.38999	1	1	9.82E-07	HC_vs_MS.NoTrt_B
GAPDH	6.44E-11	-0.5155	0.703	0.89	1.03E-06	HC_vs_MS.NoTrt_B
RPLP1	6.81E-11	-0.4273	0.948	1	1.09E-06	HC_vs_MS.NoTrt_B
RPS21	8.26E-11	-0.5301	0.439	0.76	1.32E-06	HC_vs_MS.NoTrt_B
COMMD1	9.12E-11	-0.5678	0.536	0.8	1.46E-06	HC_vs_MS.NoTrt_B
SPATA4	1.07E-10	0.56432	0.587	0.36	1.71E-06	HC_vs_MS.NoTrt_B
PSME1	1.16E-10	-0.5041	0.522	0.76	1.85E-06	HC_vs_MS.NoTrt_B
S100A6	1.36E-10	-0.4649	0.496	0.76	2.18E-06	HC_vs_MS.NoTrt_B
JAKMIP1	1.75E-10	-1.0861	0.175	0.38	2.79E-06	HC_vs_MS.NoTrt_B
FXYD5	2.06E-10	-0.4349	0.713	0.89	3.29E-06	HC_vs_MS.NoTrt_B
LRRC57	2.33E-10	0.2855	0.97	0.95	3.73E-06	HC_vs_MS.NoTrt_B
RPS8	2.75E-10	-0.35	0.949	1	4.40E-06	HC_vs_MS.NoTrt_B
FTH1	2.99E-10	-0.3891	0.759	0.93	4.78E-06	HC_vs_MS.NoTrt_B
NACA	3.24E-10	-0.4678	0.89	0.98	5.18E-06	HC_vs_MS.NoTrt_B
ANK3	3.40E-10	0.80186	0.904	0.82	5.43E-06	HC_vs_MS.NoTrt_B
RPS20	5.33E-10	-0.5579	0.791	0.92	8.52E-06	HC_vs_MS.NoTrt_B
NDUFA6	5.93E-10	-0.5316	0.188	0.41	9.47E-06	HC_vs_MS.NoTrt_B
H3F3A	7.92E-10	-0.3484	0.61	0.86	1.27E-05	HC_vs_MS.NoTrt_B
MYL6	9.89E-10	-0.3875	0.594	0.85	1.58E-05	HC_vs_MS.NoTrt_B
MIF	1.21E-09	-0.4506	0.361	0.64	1.94E-05	HC_vs_MS.NoTrt_B
EPN1	1.31E-09	0.41406	0.949	0.93	2.09E-05	HC_vs_MS.NoTrt_B

RPSA	1.39E-09	-0.4874	0.652	0.83	2.23E-05	HC_vs_MS.NoTrt_B
ORC6	1.40E-09	0.57032	0.977	0.97	2.23E-05	HC_vs_MS.NoTrt_B
RPS18	1.68E-09	-0.3579	0.968	0.99	2.68E-05	HC_vs_MS.NoTrt_B
CKLF	1.77E-09	-0.5965	0.148	0.34	2.83E-05	HC_vs_MS.NoTrt_B
CCR6	1.81E-09	-1.2676	0.307	0.52	2.90E-05	HC_vs_MS.NoTrt_B
PRDM1	1.97E-09	-0.3164	0.414	0.71	3.15E-05	HC_vs_MS.NoTrt_B
EHD1	2.01E-09	-0.6957	0.264	0.49	3.20E-05	HC_vs_MS.NoTrt_B
RPS16	2.04E-09	-0.4112	0.775	0.92	3.27E-05	HC_vs_MS.NoTrt_B
S100A10	2.25E-09	-0.4668	0.491	0.76	3.59E-05	HC_vs_MS.NoTrt_B
COX7C	2.37E-09	-0.5624	0.31	0.56	3.78E-05	HC_vs_MS.NoTrt_B
NEDD4	2.46E-09	0.63483	0.964	0.97	3.92E-05	HC_vs_MS.NoTrt_B
PKM	2.52E-09	-0.3758	0.487	0.76	4.02E-05	HC_vs_MS.NoTrt_B
FTL	2.68E-09	-0.3195	0.917	1	4.29E-05	HC_vs_MS.NoTrt_B
RPS23	2.72E-09	-0.3447	0.838	0.97	4.35E-05	HC_vs_MS.NoTrt_B
SULT1B1	2.78E-09	0.70301	0.959	0.96	4.44E-05	HC_vs_MS.NoTrt_B
HNRNPA1	3.02E-09	-0.3682	0.748	0.93	4.82E-05	HC_vs_MS.NoTrt_B
EMP3	3.30E-09	-0.4538	0.507	0.75	5.26E-05	HC_vs_MS.NoTrt_B
COL8A1	3.54E-09	0.55947	0.826	0.74	5.66E-05	HC_vs_MS.NoTrt_B
ALOX5AP	4.17E-09	-0.6587	0.213	0.43	6.66E-05	HC_vs_MS.NoTrt_B
GLIPR2	4.43E-09	-0.8907	0.196	0.38	7.08E-05	HC_vs_MS.NoTrt_B
RPL37	4.67E-09	-0.3383	0.942	0.99	7.46E-05	HC_vs_MS.NoTrt_B
CSTB	4.95E-09	-0.3421	0.406	0.65	7.91E-05	HC_vs_MS.NoTrt_B
XRCC6	5.85E-09	-0.4805	0.546	0.76	9.35E-05	HC_vs_MS.NoTrt_B
CFAP54	6.91E-09	0.59023	0.939	0.96	1.10E-04	HC_vs_MS.NoTrt_B
RPL32	9.31E-09	-0.3824	0.919	0.99	1.49E-04	HC_vs_MS.NoTrt_B
RPL12	1.03E-08	-0.3786	0.832	0.95	1.65E-04	HC_vs_MS.NoTrt_B
METTL21A	1.06E-08	0.57804	0.942	0.97	1.69E-04	HC_vs_MS.NoTrt_B
ACTG1	1.16E-08	-0.4013	0.878	0.96	1.85E-04	HC_vs_MS.NoTrt_B
NDUFA1	1.23E-08	-0.4469	0.209	0.43	1.97E-04	HC_vs_MS.NoTrt_B
RPL35A	1.32E-08	-0.398	0.886	0.97	2.11E-04	HC_vs_MS.NoTrt_B
LIME1	1.44E-08	-0.4768	0.365	0.62	2.30E-04	HC_vs_MS.NoTrt_B
H3F3B	1.66E-08	-0.2565	0.781	0.96	2.64E-04	HC_vs_MS.NoTrt_B
RPS13	1.68E-08	-0.3543	0.796	0.96	2.68E-04	HC_vs_MS.NoTrt_B
ENO1	1.69E-08	-0.5089	0.377	0.63	2.71E-04	HC_vs_MS.NoTrt_B
NDUFA4	1.82E-08	-0.4976	0.558	0.75	2.91E-04	HC_vs_MS.NoTrt_B
ATP5E	2.00E-08	-0.3266	0.372	0.61	3.20E-04	HC_vs_MS.NoTrt_B
CDC37	2.34E-08	-0.476	0.323	0.56	3.74E-04	HC_vs_MS.NoTrt_B
TPI1	2.37E-08	-0.5483	0.372	0.6	3.78E-04	HC_vs_MS.NoTrt_B
RPL18	2.51E-08	-0.3465	0.694	0.92	4.02E-04	HC_vs_MS.NoTrt_B
CCDC167	2.71E-08	-0.9461	0.099	0.25	4.33E-04	HC_vs_MS.NoTrt_B

DBI	2.87E-08	-0.806	0.149	0.33	4.59E-04	HC_vs_MS.NoTrt_B
RPL30	2.90E-08	-0.361	0.852	0.97	4.63E-04	HC_vs_MS.NoTrt_B
RPL13	2.93E-08	-0.2993	0.929	0.99	4.67E-04	HC_vs_MS.NoTrt_B
SLC25A6	2.95E-08	-0.4534	0.554	0.76	4.71E-04	HC_vs_MS.NoTrt_B
TXNIP	3.29E-08	-0.3614	0.813	0.94	5.26E-04	HC_vs_MS.NoTrt_B
COX7A2L	3.30E-08	-0.4434	0.258	0.48	5.27E-04	HC_vs_MS.NoTrt_B
COPE	3.77E-08	-0.405	0.303	0.55	6.03E-04	HC_vs_MS.NoTrt_B
TOMM7	4.03E-08	-0.4244	0.554	0.75	6.44E-04	HC_vs_MS.NoTrt_B
IRGQ	4.16E-08	0.73794	0.98	0.99	6.64E-04	HC_vs_MS.NoTrt_B
PRDX1	4.39E-08	-0.4907	0.465	0.67	7.01E-04	HC_vs_MS.NoTrt_B
VAMP5	4.68E-08	-0.7381	0.113	0.28	7.47E-04	HC_vs_MS.NoTrt_B
RPL29	5.21E-08	-0.3332	0.836	0.98	8.32E-04	HC_vs_MS.NoTrt_B
RAB12	5.75E-08	2.66349	0.362	0.19	9.18E-04	HC_vs_MS.NoTrt_B
MYL12A	5.77E-08	-0.2756	0.894	1	9.22E-04	HC_vs_MS.NoTrt_B
BIN1	5.84E-08	-0.5106	0.262	0.49	9.33E-04	HC_vs_MS.NoTrt_B
TMEM173	6.22E-08	-0.9196	0.201	0.38	9.94E-04	HC_vs_MS.NoTrt_B
ANKRD30BL	6.33E-08	0.45776	0.584	0.41	0.001012	HC_vs_MS.NoTrt_B
NDUFA13	6.92E-08	-0.5236	0.409	0.62	0.001105	HC_vs_MS.NoTrt_B
RPL23A	7.10E-08	-0.3456	0.875	0.98	0.001134	HC_vs_MS.NoTrt_B
RPS11	8.46E-08	-0.3518	0.649	0.87	0.001351	HC_vs_MS.NoTrt_B
ASTN2	8.86E-08	0.52638	0.943	0.95	0.001416	HC_vs_MS.NoTrt_B
RPL41	9.36E-08	-0.3609	0.957	1	0.001496	HC_vs_MS.NoTrt_B
RASL10B	1.01E-07	0.34068	0.972	0.97	0.001615	HC_vs_MS.NoTrt_B
ANXA5	1.08E-07	-0.6797	0.23	0.42	0.001729	HC_vs_MS.NoTrt_B
CEACAM21	1.13E-07	-0.3918	0.37	0.57	0.001805	HC_vs_MS.NoTrt_B
RPS19	1.23E-07	-0.3454	0.933	1	0.001969	HC_vs_MS.NoTrt_B
RPS25	1.36E-07	-0.3122	0.771	0.95	0.002176	HC_vs_MS.NoTrt_B
PSMB7	1.38E-07	-0.5979	0.174	0.35	0.002211	HC_vs_MS.NoTrt_B
ADAM32	1.45E-07	0.70725	0.854	0.82	0.002318	HC_vs_MS.NoTrt_B
GMFG	1.51E-07	-0.3106	0.772	0.91	0.002414	HC_vs_MS.NoTrt_B
NSRP1	1.61E-07	0.309	0.999	1	0.002567	HC_vs_MS.NoTrt_B
TAGLN2	1.61E-07	-0.4302	0.496	0.71	0.002571	HC_vs_MS.NoTrt_B
RPS15A	1.72E-07	-0.3336	0.991	1	0.002739	HC_vs_MS.NoTrt_B
C9orf16	1.99E-07	-0.3637	0.206	0.4	0.003185	HC_vs_MS.NoTrt_B
RP11-49K24	2.00E-07	-0.4531	0.117	0.28	0.003189	HC_vs_MS.NoTrt_B
RPL22	2.04E-07	-0.3	0.584	0.8	0.003253	HC_vs_MS.NoTrt_B
VIM	2.16E-07	-0.3319	0.788	0.92	0.003447	HC_vs_MS.NoTrt_B
TXN	2.17E-07	-0.3877	0.19	0.38	0.003461	HC_vs_MS.NoTrt_B
FGF13	2.24E-07	0.46722	0.943	0.95	0.00358	HC_vs_MS.NoTrt_B
MSN	2.24E-07	-0.3983	0.558	0.74	0.003582	HC_vs_MS.NoTrt_B

EBP	2.33E-07	-0.8695	0.129	0.28	0.00372	HC_vs_MS.NoTrt_B
ASB3	2.40E-07	0.44495	0.936	0.94	0.003838	HC_vs_MS.NoTrt_B
THYN1	2.68E-07	-0.6641	0.13	0.29	0.004273	HC_vs_MS.NoTrt_B
COX8A	2.75E-07	-0.3553	0.18	0.37	0.004393	HC_vs_MS.NoTrt_B
VCP	2.78E-07	-0.4796	0.249	0.45	0.004439	HC_vs_MS.NoTrt_B
RPL18A	2.79E-07	-0.2931	0.914	1	0.004457	HC_vs_MS.NoTrt_B
ITM2B	2.80E-07	-0.3014	0.567	0.83	0.004476	HC_vs_MS.NoTrt_B
RPL17	2.86E-07	-0.2942	0.903	1	0.004562	HC_vs_MS.NoTrt_B
RPS12	2.95E-07	-0.3346	0.887	0.98	0.004713	HC_vs_MS.NoTrt_B
SOD2	2.99E-07	0.30232	1	1	0.004773	HC_vs_MS.NoTrt_B
PRRG3	3.07E-07	1.6224	0.597	0.42	0.004904	HC_vs_MS.NoTrt_B
UBE2D2	3.15E-07	-0.3075	0.377	0.6	0.005032	HC_vs_MS.NoTrt_B
UPK3BL	3.29E-07	-0.5215	0.532	0.67	0.005252	HC_vs_MS.NoTrt_B
RPL11	3.30E-07	-0.257	0.957	1	0.005268	HC_vs_MS.NoTrt_B
TSPO	3.35E-07	-0.3553	0.271	0.5	0.005357	HC_vs_MS.NoTrt_B
LDHB	3.66E-07	-0.3454	0.726	0.91	0.00585	HC_vs_MS.NoTrt_B
HLA-C	4.10E-07	-0.6103	0.886	0.92	0.006549	HC_vs_MS.NoTrt_B
RPL35	4.14E-07	-0.3868	0.759	0.9	0.006612	HC_vs_MS.NoTrt_B
RPL10A	4.16E-07	-0.3521	0.851	0.97	0.006647	HC_vs_MS.NoTrt_B
ATP6V1F	4.16E-07	-0.5866	0.155	0.32	0.006649	HC_vs_MS.NoTrt_B
SRP9	4.81E-07	-0.2694	0.345	0.56	0.007682	HC_vs_MS.NoTrt_B
PIK3IP1	5.01E-07	-0.294	0.664	0.84	0.008	HC_vs_MS.NoTrt_B
MYL12B	5.03E-07	-0.3895	0.459	0.69	0.008034	HC_vs_MS.NoTrt_B
SLC25A3	5.06E-07	-0.479	0.929	0.96	0.008089	HC_vs_MS.NoTrt_B
ANXA6	5.23E-07	-0.3758	0.426	0.64	0.008357	HC_vs_MS.NoTrt_B
ANXA11	5.38E-07	-0.3935	0.797	0.88	0.008598	HC_vs_MS.NoTrt_B
C2CD3	5.39E-07	0.2629	0.991	0.97	0.008615	HC_vs_MS.NoTrt_B
SERF2	6.80E-07	-0.2658	0.799	0.95	0.010864	HC_vs_MS.NoTrt_B
RP11-286N2	6.86E-07	0.41814	0.958	0.93	0.01095	HC_vs_MS.NoTrt_B
ARHGAP30	6.95E-07	-0.4634	0.355	0.56	0.011102	HC_vs_MS.NoTrt_B
CSGALNACT	6.95E-07	-0.4909	0.514	0.69	0.011105	HC_vs_MS.NoTrt_B
RPS28	7.01E-07	-0.3932	0.826	0.94	0.011192	HC_vs_MS.NoTrt_B
CHCHD2	7.15E-07	-0.4594	0.346	0.55	0.011418	HC_vs_MS.NoTrt_B
SOD1	7.81E-07	-0.3128	0.646	0.8	0.012483	HC_vs_MS.NoTrt_B
SH3BGRL3	7.86E-07	-0.3022	0.787	0.91	0.012548	HC_vs_MS.NoTrt_B
CCDC107	7.86E-07	-0.7354	0.107	0.25	0.012549	HC_vs_MS.NoTrt_B
SNRPD2	8.06E-07	-0.3902	0.51	0.7	0.012881	HC_vs_MS.NoTrt_B
PSMC5	8.95E-07	-0.6312	0.235	0.42	0.014295	HC_vs_MS.NoTrt_B
CACNA1A	9.96E-07	0.29596	1	1	0.015911	HC_vs_MS.NoTrt_B
COPS9	1.00E-06	-0.482	0.113	0.26	0.016014	HC_vs_MS.NoTrt_B

CD3D	1.01E-06	-0.278	0.528	0.77	0.016132	HC_vs_MS.NoTrt_B
SLC15A1	1.02E-06	0.4266	0.838	0.74	0.016295	HC_vs_MS.NoTrt_B
GARS	1.11E-06	-0.5445	0.136	0.29	0.017683	HC_vs_MS.NoTrt_B
NASP	1.16E-06	0.70284	0.92	0.88	0.01855	HC_vs_MS.NoTrt_B
TMEM14C	1.17E-06	-0.6725	0.081	0.21	0.018755	HC_vs_MS.NoTrt_B
FBXO7	1.19E-06	-0.4638	0.264	0.44	0.019011	HC_vs_MS.NoTrt_B
OAZ1	1.22E-06	-0.3217	0.796	0.91	0.019514	HC_vs_MS.NoTrt_B
ATP6V1G1	1.24E-06	-0.2977	0.426	0.64	0.019857	HC_vs_MS.NoTrt_B
PFN1	1.34E-06	-0.2605	0.952	1	0.021423	HC_vs_MS.NoTrt_B
IL2RA	1.35E-06	-0.5582	0.335	0.51	0.02153	HC_vs_MS.NoTrt_B
ABCC9	1.41E-06	0.50711	0.959	0.95	0.022593	HC_vs_MS.NoTrt_B
1-Sep	1.44E-06	-0.3154	0.665	0.84	0.022991	HC_vs_MS.NoTrt_B
UBE2I	1.47E-06	-0.3164	0.52	0.72	0.023517	HC_vs_MS.NoTrt_B
RPL36A	1.49E-06	-0.3908	0.713	0.84	0.023866	HC_vs_MS.NoTrt_B
PSMD8	1.55E-06	-0.6675	0.568	0.73	0.024735	HC_vs_MS.NoTrt_B
GTF3A	1.57E-06	-0.3125	0.394	0.63	0.025029	HC_vs_MS.NoTrt_B
PKIG	1.66E-06	0.50481	0.626	0.54	0.026445	HC_vs_MS.NoTrt_B
HOXB2	1.73E-06	-0.3884	0.123	0.27	0.027703	HC_vs_MS.NoTrt_B
FAM98C	1.89E-06	0.3392	0.968	0.99	0.030203	HC_vs_MS.NoTrt_B
RP11-529K1	1.90E-06	-0.7084	0.054	0.16	0.030278	HC_vs_MS.NoTrt_B
TCEB2	1.94E-06	-0.3423	0.301	0.5	0.030962	HC_vs_MS.NoTrt_B
PSMB3	2.01E-06	-0.3812	0.216	0.4	0.032131	HC_vs_MS.NoTrt_B
CDKL5	2.08E-06	0.34957	0.932	0.94	0.033273	HC_vs_MS.NoTrt_B
COPZ1	2.12E-06	-0.4187	0.152	0.31	0.03379	HC_vs_MS.NoTrt_B
MRPL28	2.13E-06	-0.8472	0.083	0.21	0.03407	HC_vs_MS.NoTrt_B
CCDC144A	2.22E-06	0.93531	0.878	0.84	0.035434	HC_vs_MS.NoTrt_B
RACK1	2.26E-06	-0.255	0.999	1	0.036172	HC_vs_MS.NoTrt_B
ORC4	2.30E-06	0.52122	0.98	1	0.036768	HC_vs_MS.NoTrt_B
TSTA3	2.36E-06	-0.6448	0.114	0.25	0.037675	HC_vs_MS.NoTrt_B
EIF4H	2.42E-06	-0.371	0.346	0.55	0.038632	HC_vs_MS.NoTrt_B
NUPR1	2.43E-06	0.31926	0.941	0.96	0.03875	HC_vs_MS.NoTrt_B
C4orf32	2.57E-06	0.38995	0.986	1	0.041046	HC_vs_MS.NoTrt_B
APOL2	2.70E-06	-0.3693	0.561	0.7	0.043125	HC_vs_MS.NoTrt_B
GPS2	2.71E-06	-0.4784	0.193	0.36	0.043213	HC_vs_MS.NoTrt_B
CTLA4	2.73E-06	-0.5181	0.248	0.41	0.043649	HC_vs_MS.NoTrt_B
KPNA5	2.78E-06	0.40835	0.983	0.98	0.044472	HC_vs_MS.NoTrt_B
SELT	2.80E-06	-0.5634	0.306	0.47	0.044757	HC_vs_MS.NoTrt_B
EEF1B2	2.81E-06	-0.329	0.467	0.7	0.044925	HC_vs_MS.NoTrt_B
ARPC3	2.83E-06	-0.3577	0.428	0.64	0.04521	HC_vs_MS.NoTrt_B
RASGRP3	2.86E-06	0.26265	0.991	1	0.045678	HC_vs_MS.NoTrt_B

WDR31	2.99E-06	0.48237	0.836	0.81	0.047783	HC_vs_MS.NoTrt_B
RNF26	2.99E-06	-0.5553	0.077	0.2	0.047796	HC_vs_MS.NoTrt_B
DGCR2	3.35E-06	-0.4568	0.18	0.34	0.053589	HC_vs_MS.NoTrt_B
DIRAS2	3.47E-06	0.5663	0.787	0.75	0.055449	HC_vs_MS.NoTrt_B
TUBA1A	3.54E-06	-0.6566	0.186	0.34	0.056505	HC_vs_MS.NoTrt_B
MCM7	3.54E-06	-0.5932	0.18	0.33	0.056572	HC_vs_MS.NoTrt_B
TWF2	3.62E-06	-0.4893	0.168	0.32	0.057859	HC_vs_MS.NoTrt_B
HMGB2	3.74E-06	-0.5999	0.22	0.39	0.059663	HC_vs_MS.NoTrt_B
PYM1	3.92E-06	-0.5613	0.245	0.41	0.062644	HC_vs_MS.NoTrt_B
TMEM182	3.95E-06	0.73827	0.762	0.79	0.063057	HC_vs_MS.NoTrt_B
SHISA9	4.04E-06	0.4045	0.925	0.95	0.064499	HC_vs_MS.NoTrt_B
CBR4	4.20E-06	-0.2929	0.135	0.28	0.067161	HC_vs_MS.NoTrt_B
UCP2	4.32E-06	-0.4115	0.738	0.86	0.068942	HC_vs_MS.NoTrt_B
TRPC3	4.36E-06	0.42327	0.362	0.18	0.069699	HC_vs_MS.NoTrt_B
FLII	4.58E-06	-0.4288	0.172	0.33	0.07312	HC_vs_MS.NoTrt_B
ELP5	4.63E-06	-1.1769	0.054	0.15	0.074016	HC_vs_MS.NoTrt_B
SEC61G	4.64E-06	-0.6709	0.216	0.37	0.074192	HC_vs_MS.NoTrt_B
DEF6	4.82E-06	-0.3319	0.399	0.6	0.077007	HC_vs_MS.NoTrt_B
GBP5	5.05E-06	-0.3242	0.641	0.78	0.080731	HC_vs_MS.NoTrt_B
WDPCP	5.24E-06	0.46984	0.971	0.98	0.083654	HC_vs_MS.NoTrt_B
TMC2	5.24E-06	0.54454	0.665	0.57	0.083678	HC_vs_MS.NoTrt_B
RARRES3	5.24E-06	-0.4886	0.277	0.46	0.083768	HC_vs_MS.NoTrt_B
RPS10	5.25E-06	-0.3881	0.041	0.13	0.083809	HC_vs_MS.NoTrt_B
TMBIM6	5.26E-06	-0.3163	0.809	0.92	0.084	HC_vs_MS.NoTrt_B
RPLP2	5.34E-06	-0.2999	0.777	0.96	0.085306	HC_vs_MS.NoTrt_B
RABAC1	5.59E-06	-0.5568	0.17	0.32	0.089273	HC_vs_MS.NoTrt_B
HCST	5.62E-06	-0.4341	0.287	0.48	0.089835	HC_vs_MS.NoTrt_B
ITGB1	5.81E-06	-0.351	0.617	0.76	0.092734	HC_vs_MS.NoTrt_B
RPS6KA1	6.11E-06	-0.6263	0.174	0.32	0.097613	HC_vs_MS.NoTrt_B
MED23	6.19E-06	-0.4416	0.213	0.37	0.098888	HC_vs_MS.NoTrt_B
HINFP	6.36E-06	0.34703	0.99	0.99	0.101605	HC_vs_MS.NoTrt_B
DNPH1	6.50E-06	-0.495	0.104	0.23	0.103902	HC_vs_MS.NoTrt_B
P2RY8	6.57E-06	-0.5427	0.491	0.64	0.104891	HC_vs_MS.NoTrt_B
TRIM56	6.64E-06	0.5329	0.964	0.98	0.10604	HC_vs_MS.NoTrt_B
POLR2G	6.64E-06	-0.4514	0.132	0.28	0.106097	HC_vs_MS.NoTrt_B
NDUFB4	6.68E-06	-0.3817	0.199	0.36	0.106691	HC_vs_MS.NoTrt_B
DNAJC9	7.11E-06	-0.6069	0.11	0.24	0.113636	HC_vs_MS.NoTrt_B
LGALS3	7.19E-06	-0.6508	0.528	0.67	0.114866	HC_vs_MS.NoTrt_B
PYCARD	7.44E-06	-0.6008	0.072	0.18	0.118804	HC_vs_MS.NoTrt_B
IL10RA	7.75E-06	-0.3278	0.613	0.75	0.123787	HC_vs_MS.NoTrt_B



WDR45	7.81E-06	-0.6302	0.549	0.72	0.124738	HC_vs_MS.NoTrt_B
NUDT2	8.52E-06	-1.0782	0.03	0.11	0.13614	HC_vs_MS.NoTrt_B
CTB-133G6.	8.52E-06	-0.2622	0.268	0.45	0.136161	HC_vs_MS.NoTrt_B
BLOC1S1	8.90E-06	-0.5281	0.165	0.31	0.142188	HC_vs_MS.NoTrt_B
ARHGAP25	9.01E-06	-0.4358	0.425	0.59	0.143901	HC_vs_MS.NoTrt_B
CD5	9.14E-06	-0.3286	0.439	0.65	0.146002	HC_vs_MS.NoTrt_B
ERAP2	9.27E-06	-0.7805	0.619	0.72	0.147991	HC_vs_MS.NoTrt_B
EZR	9.47E-06	-0.449	0.63	0.74	0.151307	HC_vs_MS.NoTrt_B
SAMD12	9.70E-06	0.45979	0.972	1	0.154947	HC_vs_MS.NoTrt_B
MTRR	9.71E-06	-0.3679	0.133	0.27	0.155143	HC_vs_MS.NoTrt_B
COX6C	1.06E-05	-0.3047	0.467	0.62	0.169422	HC_vs_MS.NoTrt_B
DDRKG1	1.06E-05	-0.7178	0.087	0.2	0.169886	HC_vs_MS.NoTrt_B
CD74	1.08E-05	-0.3457	0.694	0.81	0.172118	HC_vs_MS.NoTrt_B
GLYCTK	1.08E-05	-1.4398	0.067	0.17	0.173084	HC_vs_MS.NoTrt_B
PDCD5	1.09E-05	-0.4908	0.149	0.29	0.173414	HC_vs_MS.NoTrt_B
KCNJ6	1.09E-05	1.15561	0.799	0.75	0.173895	HC_vs_MS.NoTrt_B
ERP44	1.12E-05	-0.4071	0.219	0.37	0.178714	HC_vs_MS.NoTrt_B
CNN2	1.14E-05	-0.4399	0.983	0.99	0.182119	HC_vs_MS.NoTrt_B
MTRNR2L8	1.16E-05	0.27565	0.997	1	0.185735	HC_vs_MS.NoTrt_B
PSMA7	1.17E-05	-0.2862	0.367	0.55	0.186366	HC_vs_MS.NoTrt_B
EID1	1.19E-05	-0.3336	0.336	0.54	0.189764	HC_vs_MS.NoTrt_B
FAM122C	1.21E-05	0.32808	0.901	0.91	0.193232	HC_vs_MS.NoTrt_B
CASP8	1.26E-05	-0.4933	0.914	0.95	0.201109	HC_vs_MS.NoTrt_B
KYNU	1.26E-05	0.33024	0.968	0.99	0.201307	HC_vs_MS.NoTrt_B
RPLP0	1.27E-05	-0.2548	0.916	0.97	0.202907	HC_vs_MS.NoTrt_B
MS4A10	1.30E-05	0.40763	0.683	0.56	0.207625	HC_vs_MS.NoTrt_B
CST7	1.31E-05	-0.7721	0.084	0.2	0.20875	HC_vs_MS.NoTrt_B
RPS5	1.31E-05	-0.2553	0.833	0.95	0.209403	HC_vs_MS.NoTrt_B
CA5A	1.33E-05	0.3194	0.977	0.96	0.212702	HC_vs_MS.NoTrt_B
MSH5	1.34E-05	0.54832	0.929	0.93	0.213976	HC_vs_MS.NoTrt_B
REEP5	1.43E-05	-0.265	0.293	0.45	0.227799	HC_vs_MS.NoTrt_B
COX7A2	1.43E-05	-0.363	0.719	0.82	0.229111	HC_vs_MS.NoTrt_B
GJC1	1.46E-05	0.3455	0.938	0.94	0.232635	HC_vs_MS.NoTrt_B
MAD1L1	1.48E-05	-0.4397	0.284	0.45	0.236212	HC_vs_MS.NoTrt_B
LDOC1	1.49E-05	-0.9691	0.035	0.11	0.237621	HC_vs_MS.NoTrt_B
MRPL33	1.60E-05	-0.4951	0.11	0.23	0.254872	HC_vs_MS.NoTrt_B
PEBP1	1.62E-05	-0.391	0.341	0.52	0.259004	HC_vs_MS.NoTrt_B
DOK2	1.66E-05	-0.3901	0.333	0.51	0.265016	HC_vs_MS.NoTrt_B
RNF181	1.73E-05	-0.8344	0.139	0.27	0.276687	HC_vs_MS.NoTrt_B
UQCR10	1.82E-05	-0.37	0.288	0.45	0.290138	HC_vs_MS.NoTrt_B

TSC22D3	1.83E-05	-0.3222	0.555	0.75	0.291629	HC_vs_MS.NoTrt_B
CLIC1	1.85E-05	-0.4707	0.543	0.69	0.294785	HC_vs_MS.NoTrt_B
SPATA20	1.91E-05	-1.1206	0.048	0.14	0.304351	HC_vs_MS.NoTrt_B
SNRPC	1.91E-05	-0.4005	0.172	0.32	0.305522	HC_vs_MS.NoTrt_B
C12orf75	1.91E-05	-0.2835	0.122	0.25	0.305607	HC_vs_MS.NoTrt_B
ALDH2	1.96E-05	0.30954	0.965	0.97	0.313747	HC_vs_MS.NoTrt_B
ARID4A	2.03E-05	-0.3914	0.278	0.44	0.32398	HC_vs_MS.NoTrt_B
METTL23	2.03E-05	-0.2731	0.138	0.28	0.324737	HC_vs_MS.NoTrt_B
MTRNR2L10	2.03E-05	0.35719	0.968	1	0.324881	HC_vs_MS.NoTrt_B
MPG	2.07E-05	-0.6021	0.094	0.21	0.330452	HC_vs_MS.NoTrt_B
CD53	2.15E-05	-0.2944	0.617	0.82	0.343098	HC_vs_MS.NoTrt_B
YBEY	2.18E-05	-1.0772	0.042	0.12	0.347484	HC_vs_MS.NoTrt_B
MYO1G	2.19E-05	-0.4263	0.529	0.68	0.350322	HC_vs_MS.NoTrt_B
NAT6	2.34E-05	-1.4199	0.03	0.1	0.373252	HC_vs_MS.NoTrt_B
PSMB4	2.34E-05	-0.2649	0.278	0.45	0.373263	HC_vs_MS.NoTrt_B
EYS	2.37E-05	0.78462	0.809	0.77	0.378546	HC_vs_MS.NoTrt_B
ATP5B	2.40E-05	-0.3721	0.325	0.5	0.382977	HC_vs_MS.NoTrt_B
TSSC1	2.44E-05	-0.8106	0.065	0.16	0.390213	HC_vs_MS.NoTrt_B
BLOC1S6	2.46E-05	0.47649	0.986	1	0.39329	HC_vs_MS.NoTrt_B
KARS	2.47E-05	-0.4918	0.236	0.39	0.394737	HC_vs_MS.NoTrt_B
RPL31	2.50E-05	-0.2514	0.8	0.94	0.399127	HC_vs_MS.NoTrt_B
MTRNR2L1	2.51E-05	0.25549	0.997	1	0.400557	HC_vs_MS.NoTrt_B
PTK2	2.52E-05	0.39265	0.948	0.91	0.402544	HC_vs_MS.NoTrt_B
ARHGEF12	2.58E-05	0.34935	0.97	0.98	0.412876	HC_vs_MS.NoTrt_B
MRPL55	2.60E-05	-1.1705	0.062	0.16	0.415882	HC_vs_MS.NoTrt_B
HDHD2	2.64E-05	-0.6624	0.114	0.23	0.421838	HC_vs_MS.NoTrt_B
NUP155	2.65E-05	0.87391	0.906	0.89	0.422877	HC_vs_MS.NoTrt_B
MRPL51	2.67E-05	-0.5367	0.083	0.19	0.426384	HC_vs_MS.NoTrt_B
RASA4	2.69E-05	-0.3307	0.664	0.77	0.429252	HC_vs_MS.NoTrt_B
NDUFB7	2.75E-05	-0.6213	0.155	0.29	0.439108	HC_vs_MS.NoTrt_B
NDUFB8	2.76E-05	-0.2862	0.291	0.47	0.441112	HC_vs_MS.NoTrt_B
MRPL18	2.87E-05	-0.3347	0.088	0.2	0.457988	HC_vs_MS.NoTrt_B
PSME2	2.93E-05	-0.4228	0.301	0.47	0.467226	HC_vs_MS.NoTrt_B
APRT	3.03E-05	-0.3558	0.33	0.51	0.483372	HC_vs_MS.NoTrt_B
PPP1CA	3.15E-05	-0.3742	0.414	0.6	0.503188	HC_vs_MS.NoTrt_B
TTC7A	3.15E-05	-0.4026	0.164	0.3	0.503502	HC_vs_MS.NoTrt_B
ELAVL1	3.20E-05	0.47894	0.961	0.95	0.511223	HC_vs_MS.NoTrt_B
PSMB10	3.46E-05	-0.344	0.37	0.55	0.552633	HC_vs_MS.NoTrt_B
HLA-F	3.52E-05	-0.3569	0.517	0.65	0.561557	HC_vs_MS.NoTrt_B
DRAP1	3.55E-05	-0.3702	0.158	0.3	0.567369	HC_vs_MS.NoTrt_B

TEX264	3.62E-05	-0.5648	0.154	0.29	0.578396	HC_vs_MS.NoTrt_B
CD247	3.68E-05	-0.2733	0.438	0.63	0.587024	HC_vs_MS.NoTrt_B
PLCXD1	3.70E-05	0.50296	0.919	0.91	0.590391	HC_vs_MS.NoTrt_B
SBDS	3.80E-05	-0.2517	0.259	0.42	0.606288	HC_vs_MS.NoTrt_B
AQP3	3.81E-05	-0.5818	0.262	0.41	0.6079	HC_vs_MS.NoTrt_B
ZFAND2B	3.81E-05	-0.6026	0.172	0.3	0.608199	HC_vs_MS.NoTrt_B
NME2	3.83E-05	-0.269	0.464	0.65	0.611262	HC_vs_MS.NoTrt_B
RGS10	3.86E-05	-0.6589	0.177	0.31	0.61652	HC_vs_MS.NoTrt_B
FBXW5	3.90E-05	-0.2954	0.197	0.35	0.622429	HC_vs_MS.NoTrt_B
CEACAM1	3.91E-05	0.70584	0.79	0.69	0.625106	HC_vs_MS.NoTrt_B
ZNF37A	3.97E-05	0.7882	0.874	0.85	0.634915	HC_vs_MS.NoTrt_B
C11orf54	4.11E-05	0.56099	0.807	0.76	0.656223	HC_vs_MS.NoTrt_B
TERB1	4.23E-05	0.40656	0.675	0.6	0.676155	HC_vs_MS.NoTrt_B
RPS9	4.44E-05	-0.2724	0.923	0.97	0.709773	HC_vs_MS.NoTrt_B
FAM84B	4.50E-05	-0.8517	0.041	0.12	0.718311	HC_vs_MS.NoTrt_B
DHRS4	4.53E-05	-0.8384	0.072	0.17	0.723555	HC_vs_MS.NoTrt_B
TFPI	4.62E-05	0.41637	0.939	0.98	0.738444	HC_vs_MS.NoTrt_B
ACTN4	4.64E-05	-0.4394	0.309	0.46	0.741665	HC_vs_MS.NoTrt_B
SSBP2	4.87E-05	0.34001	0.925	0.92	0.777907	HC_vs_MS.NoTrt_B
HCLS1	4.93E-05	-0.2542	0.562	0.75	0.787707	HC_vs_MS.NoTrt_B
POMP	5.07E-05	-0.5604	0.167	0.3	0.809839	HC_vs_MS.NoTrt_B
TMEM256	5.11E-05	-0.3989	0.046	0.13	0.816249	HC_vs_MS.NoTrt_B
LGALS1	5.27E-05	-0.6499	0.175	0.31	0.841631	HC_vs_MS.NoTrt_B
PBXIP1	5.47E-05	-0.3025	0.539	0.71	0.874037	HC_vs_MS.NoTrt_B
CCDC122	5.63E-05	0.36203	0.909	0.91	0.899086	HC_vs_MS.NoTrt_B
PERP	5.80E-05	-1.1	0.042	0.12	0.926762	HC_vs_MS.NoTrt_B
COA3	5.82E-05	-0.6812	0.075	0.17	0.929853	HC_vs_MS.NoTrt_B
VDAC3	6.19E-05	-0.4573	0.196	0.34	0.988743	HC_vs_MS.NoTrt_B
FAM118A	6.20E-05	-0.5913	0.52	0.68	0.990775	HC_vs_MS.NoTrt_B
SNRPE	6.32E-05	-0.2943	0.11	0.23	1	HC_vs_MS.NoTrt_B
AFMID	6.52E-05	0.37121	0.93	0.9	1	HC_vs_MS.NoTrt_B
ZSCAN5A	6.59E-05	0.43962	0.788	0.7	1	HC_vs_MS.NoTrt_B
SLAMF1	6.70E-05	-0.2776	0.177	0.32	1	HC_vs_MS.NoTrt_B
CCR8	6.73E-05	-0.9765	0.087	0.19	1	HC_vs_MS.NoTrt_B
FGD3	6.80E-05	-0.3037	0.516	0.68	1	HC_vs_MS.NoTrt_B
ZNF431	6.81E-05	0.51735	0.987	1	1	HC_vs_MS.NoTrt_B
C1D	6.92E-05	-0.4802	0.093	0.2	1	HC_vs_MS.NoTrt_B
SLC19A3	7.08E-05	0.32829	0.8	0.73	1	HC_vs_MS.NoTrt_B
GLB1	7.10E-05	-0.7105	0.201	0.34	1	HC_vs_MS.NoTrt_B
MRPS34	7.32E-05	-0.3859	0.138	0.27	1	HC_vs_MS.NoTrt_B

ZNF268	7.33E-05	0.2577	0.958	0.92	1	HC_vs_MS.NoTrt_B
CRYZ	7.33E-05	-0.4644	0.055	0.14	1	HC_vs_MS.NoTrt_B
MTRNR2L6	7.63E-05	0.30619	0.974	1	1	HC_vs_MS.NoTrt_B
CHTF8	7.66E-05	-0.4641	0.217	0.35	1	HC_vs_MS.NoTrt_B
HARS2	7.87E-05	-0.5061	0.106	0.22	1	HC_vs_MS.NoTrt_B
AP1S1	7.90E-05	-0.6218	0.039	0.11	1	HC_vs_MS.NoTrt_B
RPS6KA5	7.94E-05	0.37181	0.999	1	1	HC_vs_MS.NoTrt_B
TMEM212	8.19E-05	0.45266	0.942	0.95	1	HC_vs_MS.NoTrt_B
FAHD2B	8.40E-05	-1.006	0.112	0.22	1	HC_vs_MS.NoTrt_B
CCDC125	8.57E-05	0.52229	0.936	0.96	1	HC_vs_MS.NoTrt_B
R3HDM1	8.61E-05	0.78652	0.838	0.84	1	HC_vs_MS.NoTrt_B
KDEL2	8.67E-05	-0.451	0.117	0.23	1	HC_vs_MS.NoTrt_B
PARP1	8.91E-05	-0.4342	0.313	0.45	1	HC_vs_MS.NoTrt_B
FDXR	9.05E-05	-0.8098	0.033	0.1	1	HC_vs_MS.NoTrt_B
INSIG1	9.26E-05	-0.3335	0.084	0.18	1	HC_vs_MS.NoTrt_B
ARSD	9.34E-05	0.59573	0.822	0.82	1	HC_vs_MS.NoTrt_B
EGLN2	9.44E-05	-0.2969	0.232	0.38	1	HC_vs_MS.NoTrt_B
CNKSR3	9.71E-05	0.31191	0.975	1	1	HC_vs_MS.NoTrt_B
MPC1	9.73E-05	-0.4726	0.077	0.17	1	HC_vs_MS.NoTrt_B
NDUFA2	9.83E-05	-0.3252	0.445	0.58	1	HC_vs_MS.NoTrt_B
IMPDH1	9.84E-05	-0.8533	0.101	0.21	1	HC_vs_MS.NoTrt_B
PPM1M	9.92E-05	-0.405	0.133	0.25	1	HC_vs_MS.NoTrt_B
TRMT1L	9.95E-05	-1.0943	0.054	0.14	1	HC_vs_MS.NoTrt_B
ODF2L	1.02E-04	0.25046	0.951	0.92	1	HC_vs_MS.NoTrt_B
SCD5	1.06E-04	0.44731	0.803	0.75	1	HC_vs_MS.NoTrt_B
PKP2	1.07E-04	0.34455	0.594	0.47	1	HC_vs_MS.NoTrt_B
RBX1	1.08E-04	-0.4273	0.23	0.37	1	HC_vs_MS.NoTrt_B
MYLK3	1.09E-04	0.38757	0.922	0.94	1	HC_vs_MS.NoTrt_B
MGAT4C	1.14E-04	0.44529	0.777	0.68	1	HC_vs_MS.NoTrt_B
TMEM107	1.15E-04	0.71357	0.583	0.45	1	HC_vs_MS.NoTrt_B
LITAF	1.16E-04	-0.3191	0.533	0.65	1	HC_vs_MS.NoTrt_B
PQLC3	1.17E-04	-0.4519	0.12	0.23	1	HC_vs_MS.NoTrt_B
S100A11	1.18E-04	-0.2507	0.301	0.47	1	HC_vs_MS.NoTrt_B
CYSLTR1	1.19E-04	0.51576	0.946	0.92	1	HC_vs_MS.NoTrt_B
CYP1A2	1.20E-04	0.45337	0.864	0.8	1	HC_vs_MS.NoTrt_B
PPDPF	1.21E-04	1.04247	0.433	0.35	1	HC_vs_MS.NoTrt_B
UBE2L3	1.22E-04	-0.2933	0.241	0.38	1	HC_vs_MS.NoTrt_B
TMEM213	1.22E-04	0.4293	0.816	0.75	1	HC_vs_MS.NoTrt_B
ADAMTSL3	1.23E-04	0.35941	0.945	0.98	1	HC_vs_MS.NoTrt_B
PPIB	1.24E-04	-0.4423	0.677	0.74	1	HC_vs_MS.NoTrt_B

ATP5J2	1.24E-04	-0.3041	0.278	0.43	1	HC_vs_MS.NoTrt_B
CCDC115	1.26E-04	-0.6916	0.086	0.18	1	HC_vs_MS.NoTrt_B
CACNB3	1.26E-04	0.86457	0.633	0.56	1	HC_vs_MS.NoTrt_B
RP4-583P15	1.31E-04	0.35066	0.099	0.21	1	HC_vs_MS.NoTrt_B
NCL	1.33E-04	-0.3239	0.499	0.64	1	HC_vs_MS.NoTrt_B
HINT2	1.36E-04	-0.7462	0.071	0.16	1	HC_vs_MS.NoTrt_B
LSM4	1.37E-04	-0.3599	0.165	0.3	1	HC_vs_MS.NoTrt_B
SLC1A6	1.39E-04	0.39501	0.799	0.7	1	HC_vs_MS.NoTrt_B
MIXL1	1.44E-04	0.37252	0.577	0.42	1	HC_vs_MS.NoTrt_B
AKT1S1	1.46E-04	-0.4101	0.136	0.25	1	HC_vs_MS.NoTrt_B
STARD9	1.49E-04	0.5068	0.903	0.93	1	HC_vs_MS.NoTrt_B
MGAT1	1.50E-04	-0.442	0.487	0.63	1	HC_vs_MS.NoTrt_B
KCNE4	1.50E-04	0.45638	0.864	0.87	1	HC_vs_MS.NoTrt_B
SLC3A2	1.50E-04	-0.6202	0.441	0.56	1	HC_vs_MS.NoTrt_B
NONO	1.51E-04	-0.2726	0.651	0.78	1	HC_vs_MS.NoTrt_B
USP8	1.53E-04	0.26586	0.99	0.99	1	HC_vs_MS.NoTrt_B
TRABD	1.53E-04	-0.3159	0.32	0.46	1	HC_vs_MS.NoTrt_B
FARP1	1.53E-04	0.44881	0.954	0.95	1	HC_vs_MS.NoTrt_B
SLBP	1.54E-04	-0.4153	0.097	0.2	1	HC_vs_MS.NoTrt_B
THEMIS2	1.55E-04	-0.5207	0.094	0.2	1	HC_vs_MS.NoTrt_B
PA2G4	1.58E-04	-0.3404	0.339	0.49	1	HC_vs_MS.NoTrt_B
ATP5O	1.59E-04	-0.3792	0.367	0.52	1	HC_vs_MS.NoTrt_B
WTIP	1.59E-04	0.36716	0.964	0.97	1	HC_vs_MS.NoTrt_B
GLOD4	1.64E-04	-0.4774	0.612	0.72	1	HC_vs_MS.NoTrt_B
MRPS6	1.66E-04	-0.4711	0.148	0.27	1	HC_vs_MS.NoTrt_B
TUFM	1.66E-04	-0.2665	0.243	0.4	1	HC_vs_MS.NoTrt_B
OPHN1	1.68E-04	0.38957	0.949	0.97	1	HC_vs_MS.NoTrt_B
HSPA1B	1.68E-04	0.66864	0.201	0.08	1	HC_vs_MS.NoTrt_B
MRPL11	1.69E-04	-0.6995	0.08	0.17	1	HC_vs_MS.NoTrt_B
HLA-DRB1	1.69E-04	-0.8313	0.174	0.29	1	HC_vs_MS.NoTrt_B
CAPN2	1.77E-04	-0.4268	0.742	0.85	1	HC_vs_MS.NoTrt_B
IK	1.78E-04	-0.3941	0.79	0.87	1	HC_vs_MS.NoTrt_B
RPL39	1.82E-04	-0.3173	0.736	0.92	1	HC_vs_MS.NoTrt_B
SIT1	1.87E-04	-0.3054	0.219	0.36	1	HC_vs_MS.NoTrt_B
IRF3	1.87E-04	-0.5153	0.749	0.82	1	HC_vs_MS.NoTrt_B
TACC2	1.88E-04	0.371	0.9	0.91	1	HC_vs_MS.NoTrt_B
PSMC3	1.90E-04	-0.491	0.103	0.21	1	HC_vs_MS.NoTrt_B
BEX3	1.90E-04	-0.3641	0.104	0.21	1	HC_vs_MS.NoTrt_B
ARHGAP4	1.92E-04	-0.305	0.429	0.58	1	HC_vs_MS.NoTrt_B
SAG	1.92E-04	0.28359	0.942	0.98	1	HC_vs_MS.NoTrt_B

PPP6C	1.93E-04	-0.3887	0.175	0.3	1	HC_vs_MS.NoTrt_B
LAMTOR2	1.94E-04	-0.4693	0.077	0.17	1	HC_vs_MS.NoTrt_B
UBXN1	2.01E-04	-0.352	0.241	0.39	1	HC_vs_MS.NoTrt_B
GRK4	2.01E-04	0.52392	0.565	0.45	1	HC_vs_MS.NoTrt_B
ZFP36L2	2.03E-04	1.19553	0.533	0.45	1	HC_vs_MS.NoTrt_B
PTPMT1	2.09E-04	-0.4932	0.08	0.17	1	HC_vs_MS.NoTrt_B
NDUFC1	2.13E-04	-0.3512	0.2	0.34	1	HC_vs_MS.NoTrt_B
ASNA1	2.17E-04	-0.7398	0.042	0.11	1	HC_vs_MS.NoTrt_B
TDP2	2.19E-04	-0.5417	0.094	0.19	1	HC_vs_MS.NoTrt_B
TNFRSF1B	2.23E-04	-0.4005	0.723	0.76	1	HC_vs_MS.NoTrt_B
SF3B4	2.24E-04	-0.5172	0.172	0.29	1	HC_vs_MS.NoTrt_B
FCRL3	2.26E-04	0.75895	0.397	0.25	1	HC_vs_MS.NoTrt_B
MMACHC	2.27E-04	0.53234	0.846	0.82	1	HC_vs_MS.NoTrt_B
NDUFS2	2.28E-04	-0.5457	0.384	0.5	1	HC_vs_MS.NoTrt_B
LRR1	2.31E-04	-1.6411	0.072	0.16	1	HC_vs_MS.NoTrt_B
CPAMD8	2.33E-04	0.46267	0.699	0.61	1	HC_vs_MS.NoTrt_B
DNAJB11	2.34E-04	-0.3552	0.142	0.25	1	HC_vs_MS.NoTrt_B
MYDGF	2.36E-04	-0.591	0.113	0.22	1	HC_vs_MS.NoTrt_B
NPEPL1	2.41E-04	-0.3205	0.11	0.22	1	HC_vs_MS.NoTrt_B
NCBP2-AS2	2.44E-04	-0.3379	0.116	0.23	1	HC_vs_MS.NoTrt_B
RNF7	2.45E-04	-0.4929	0.609	0.72	1	HC_vs_MS.NoTrt_B
ITGB1BP1	2.46E-04	-0.3393	0.141	0.25	1	HC_vs_MS.NoTrt_B
C10orf95	2.49E-04	-0.7197	0.162	0.27	1	HC_vs_MS.NoTrt_B
ZNF124	2.50E-04	1.33847	0.665	0.63	1	HC_vs_MS.NoTrt_B
JTB	2.52E-04	-0.3868	0.21	0.35	1	HC_vs_MS.NoTrt_B
CTSD	2.53E-04	-0.5466	0.158	0.28	1	HC_vs_MS.NoTrt_B
TNFRSF25	2.57E-04	-0.2774	0.664	0.76	1	HC_vs_MS.NoTrt_B
SLC36A3	2.62E-04	0.40005	0.441	0.31	1	HC_vs_MS.NoTrt_B
HAMP	2.63E-04	0.38365	0.823	0.8	1	HC_vs_MS.NoTrt_B
ZNF776	2.68E-04	0.49753	0.751	0.68	1	HC_vs_MS.NoTrt_B
ZNF891	2.69E-04	0.58085	0.958	0.97	1	HC_vs_MS.NoTrt_B
AP5M1	2.69E-04	-0.2594	0.109	0.21	1	HC_vs_MS.NoTrt_B
KIAA1328	2.70E-04	0.42073	0.968	1	1	HC_vs_MS.NoTrt_B
PTPRCAP	2.71E-04	-0.3518	0.67	0.78	1	HC_vs_MS.NoTrt_B
LRRC2	2.71E-04	0.62787	0.762	0.68	1	HC_vs_MS.NoTrt_B
C19orf53	2.72E-04	-0.2882	0.371	0.51	1	HC_vs_MS.NoTrt_B
LIPG	2.77E-04	0.32813	0.858	0.81	1	HC_vs_MS.NoTrt_B
ACP5	2.79E-04	-0.6998	0.094	0.19	1	HC_vs_MS.NoTrt_B
ZNF785	2.80E-04	0.32746	0.906	0.9	1	HC_vs_MS.NoTrt_B
GPATCH2	2.81E-04	0.47938	0.504	0.36	1	HC_vs_MS.NoTrt_B

ZYX	2.81E-04	-0.321	0.239	0.38	1	HC_vs_MS.NoTrt_B
CBR1	2.81E-04	-0.4333	0.057	0.14	1	HC_vs_MS.NoTrt_B
ATP1B3	2.83E-04	-0.5193	0.086	0.18	1	HC_vs_MS.NoTrt_B
GLRX	2.86E-04	-0.4179	0.683	0.78	1	HC_vs_MS.NoTrt_B
FAM104A	2.87E-04	-0.4539	0.159	0.28	1	HC_vs_MS.NoTrt_B
HLA-DPA1	2.94E-04	-0.5441	0.155	0.27	1	HC_vs_MS.NoTrt_B
OPA3	2.97E-04	0.25528	0.978	0.97	1	HC_vs_MS.NoTrt_B
CASP1	3.00E-04	-0.2695	0.196	0.32	1	HC_vs_MS.NoTrt_B
RNF166	3.01E-04	-0.3258	0.187	0.31	1	HC_vs_MS.NoTrt_B
MRPS9	3.05E-04	-0.6337	0.087	0.18	1	HC_vs_MS.NoTrt_B
NUCB2	3.06E-04	0.738	0.971	0.94	1	HC_vs_MS.NoTrt_B
ZBTB43	3.07E-04	0.6641	0.717	0.62	1	HC_vs_MS.NoTrt_B
CASP10	3.12E-04	0.34973	0.91	0.88	1	HC_vs_MS.NoTrt_B
ZNF546	3.12E-04	0.50803	0.893	0.91	1	HC_vs_MS.NoTrt_B
RCN1	3.13E-04	-0.5772	0.068	0.15	1	HC_vs_MS.NoTrt_B
ZNF814	3.18E-04	0.45422	0.954	0.94	1	HC_vs_MS.NoTrt_B
SVBP	3.18E-04	-0.9483	0.097	0.19	1	HC_vs_MS.NoTrt_B
MDH2	3.33E-04	-0.4652	0.18	0.3	1	HC_vs_MS.NoTrt_B
ZNF253	3.33E-04	0.40047	0.672	0.53	1	HC_vs_MS.NoTrt_B
DNASE1	3.34E-04	0.52734	0.9	0.86	1	HC_vs_MS.NoTrt_B
SGSM3	3.36E-04	-0.3399	0.146	0.26	1	HC_vs_MS.NoTrt_B
CWC15	3.37E-04	-0.3072	0.19	0.31	1	HC_vs_MS.NoTrt_B
HMG3	3.42E-04	-0.2789	0.17	0.29	1	HC_vs_MS.NoTrt_B
ZBTB8A	3.46E-04	0.27837	0.939	0.94	1	HC_vs_MS.NoTrt_B
TBC1D8	3.48E-04	0.34285	0.425	0.61	1	HC_vs_MS.NoTrt_B
RNF114	3.51E-04	-0.3717	0.694	0.83	1	HC_vs_MS.NoTrt_B
MDM2	3.53E-04	0.49365	0.991	1	1	HC_vs_MS.NoTrt_B
TMEM179B	3.57E-04	-0.4205	0.175	0.3	1	HC_vs_MS.NoTrt_B
CD3EAP	3.58E-04	0.27588	0.825	0.71	1	HC_vs_MS.NoTrt_B
ATP10B	3.65E-04	0.74245	0.716	0.69	1	HC_vs_MS.NoTrt_B
ADRM1	3.69E-04	-0.4489	0.172	0.29	1	HC_vs_MS.NoTrt_B
SAFB	3.79E-04	-0.4221	0.345	0.46	1	HC_vs_MS.NoTrt_B
TMED9	3.79E-04	-0.4208	0.278	0.41	1	HC_vs_MS.NoTrt_B
PTTG1	3.85E-04	-0.4672	0.075	0.16	1	HC_vs_MS.NoTrt_B
PSKH1	3.94E-04	-1.3191	0.059	0.14	1	HC_vs_MS.NoTrt_B
PAPD4	4.01E-04	-0.4686	0.226	0.35	1	HC_vs_MS.NoTrt_B
PIAS2	4.01E-04	1.03595	0.777	0.7	1	HC_vs_MS.NoTrt_B
ROMO1	4.05E-04	-0.4124	0.139	0.25	1	HC_vs_MS.NoTrt_B
SMIM10L1	4.07E-04	-0.447	0.165	0.28	1	HC_vs_MS.NoTrt_B
OPN3	4.20E-04	0.87054	0.294	0.17	1	HC_vs_MS.NoTrt_B

CYBRD1	4.24E-04	0.3917	0.833	0.82	1	HC_vs_MS.NoTrt_B
SLC44A1	4.26E-04	0.86474	0.628	0.54	1	HC_vs_MS.NoTrt_B
CD48	4.35E-04	-0.2509	0.241	0.38	1	HC_vs_MS.NoTrt_B
RNASEK	4.44E-04	-0.4254	0.696	0.73	1	HC_vs_MS.NoTrt_B
CSNK2B	4.45E-04	-0.3472	0.625	0.74	1	HC_vs_MS.NoTrt_B
ACLY	4.49E-04	-0.2673	0.181	0.3	1	HC_vs_MS.NoTrt_B
CCM2	4.50E-04	-0.2617	0.649	0.74	1	HC_vs_MS.NoTrt_B
SYNPO2L	4.51E-04	0.38495	0.526	0.38	1	HC_vs_MS.NoTrt_B
SDAD1	4.59E-04	-0.3845	0.138	0.24	1	HC_vs_MS.NoTrt_B
CHMP6	4.66E-04	-0.8188	0.052	0.12	1	HC_vs_MS.NoTrt_B
ST3GAL2	4.70E-04	0.58797	0.938	0.97	1	HC_vs_MS.NoTrt_B
MIEN1	4.72E-04	-0.3724	0.087	0.18	1	HC_vs_MS.NoTrt_B
CCDC57	4.73E-04	0.27912	0.991	1	1	HC_vs_MS.NoTrt_B
ARHGAP22	4.75E-04	0.47364	0.643	0.57	1	HC_vs_MS.NoTrt_B
MOSPD2	4.79E-04	0.80026	0.309	0.19	1	HC_vs_MS.NoTrt_B
KLHL7	4.80E-04	0.52545	0.712	0.67	1	HC_vs_MS.NoTrt_B
HNRNPH1	4.81E-04	0.31748	0.99	1	1	HC_vs_MS.NoTrt_B
AC013461.1	4.82E-04	0.32198	0.81	0.76	1	HC_vs_MS.NoTrt_B
PDIA3	4.90E-04	-0.2513	0.309	0.45	1	HC_vs_MS.NoTrt_B
SNRPB2	4.93E-04	-0.3903	0.164	0.28	1	HC_vs_MS.NoTrt_B
GLIPR1	4.95E-04	-0.3269	0.216	0.34	1	HC_vs_MS.NoTrt_B
SPG7	4.96E-04	0.41906	0.978	0.98	1	HC_vs_MS.NoTrt_B
RP11-111M	5.06E-04	0.43281	0.862	0.88	1	HC_vs_MS.NoTrt_B
MRPL9	5.08E-04	-0.3648	0.168	0.28	1	HC_vs_MS.NoTrt_B
ZNF445	5.09E-04	0.47645	0.978	0.98	1	HC_vs_MS.NoTrt_B
ACAP1	5.18E-04	-0.2693	0.893	0.93	1	HC_vs_MS.NoTrt_B
C14orf166	5.28E-04	-0.4144	0.526	0.64	1	HC_vs_MS.NoTrt_B
ACP2	5.30E-04	-1.0301	0.039	0.1	1	HC_vs_MS.NoTrt_B
DPF2	5.32E-04	0.48899	0.901	0.87	1	HC_vs_MS.NoTrt_B
HOOK3	5.37E-04	0.57806	0.935	0.95	1	HC_vs_MS.NoTrt_B
DHX16	5.46E-04	-0.3504	0.112	0.21	1	HC_vs_MS.NoTrt_B
RHOG	5.46E-04	-0.2751	0.314	0.46	1	HC_vs_MS.NoTrt_B
SLC4A8	5.49E-04	0.51634	0.88	0.9	1	HC_vs_MS.NoTrt_B
KLRD1	5.55E-04	0.31807	0.965	0.98	1	HC_vs_MS.NoTrt_B
NDUFB10	5.64E-04	-0.282	0.177	0.3	1	HC_vs_MS.NoTrt_B
MARVELD2	5.67E-04	0.69802	0.59	0.53	1	HC_vs_MS.NoTrt_B
CDC26	5.81E-04	-0.2779	0.162	0.28	1	HC_vs_MS.NoTrt_B
CRY1	5.81E-04	-0.7073	0.091	0.18	1	HC_vs_MS.NoTrt_B
ERICH1	5.82E-04	-0.402	0.178	0.29	1	HC_vs_MS.NoTrt_B
ZNF157	5.85E-04	0.44902	0.758	0.72	1	HC_vs_MS.NoTrt_B



GCNT2	5.89E-04	0.97514	0.732	0.67	1	HC_vs_MS.NoTrt_B
SIVA1	5.90E-04	-0.431	0.343	0.47	1	HC_vs_MS.NoTrt_B
SMIM14	5.91E-04	0.3254	0.983	0.99	1	HC_vs_MS.NoTrt_B
AURKAIP1	5.95E-04	-0.3766	0.141	0.25	1	HC_vs_MS.NoTrt_B
CHAF1B	5.97E-04	0.33144	0.932	0.94	1	HC_vs_MS.NoTrt_B
ZNF737	5.97E-04	0.3091	0.833	0.82	1	HC_vs_MS.NoTrt_B
TARSL2	6.04E-04	0.28486	0.97	0.98	1	HC_vs_MS.NoTrt_B
RHBG	6.07E-04	0.33588	0.768	0.75	1	HC_vs_MS.NoTrt_B
KCNJ3	6.08E-04	0.37788	0.214	0.1	1	HC_vs_MS.NoTrt_B
H2AFJ	6.23E-04	-0.4682	0.086	0.17	1	HC_vs_MS.NoTrt_B
SPOCK2	6.28E-04	-0.2532	0.594	0.71	1	HC_vs_MS.NoTrt_B
TAOK1	6.36E-04	0.90824	0.906	0.9	1	HC_vs_MS.NoTrt_B
COX6A1	6.36E-04	-0.3444	0.113	0.21	1	HC_vs_MS.NoTrt_B
NPIP4	6.38E-04	0.34719	0.951	0.98	1	HC_vs_MS.NoTrt_B
POLR3GL	6.44E-04	-0.3359	0.174	0.29	1	HC_vs_MS.NoTrt_B
LDLRAP1	6.48E-04	-0.3952	0.449	0.55	1	HC_vs_MS.NoTrt_B
GDPGP1	6.50E-04	0.47405	0.926	0.94	1	HC_vs_MS.NoTrt_B
HTN1	6.50E-04	0.56621	0.768	0.75	1	HC_vs_MS.NoTrt_B
CFDP1	6.52E-04	-0.7905	0.641	0.71	1	HC_vs_MS.NoTrt_B
UFSP2	6.54E-04	-0.3249	0.074	0.16	1	HC_vs_MS.NoTrt_B
KAT2B	6.56E-04	0.40495	0.139	0.25	1	HC_vs_MS.NoTrt_B
ATP1A4	6.58E-04	0.46628	0.783	0.75	1	HC_vs_MS.NoTrt_B
ZNF524	6.58E-04	-0.6607	0.057	0.13	1	HC_vs_MS.NoTrt_B
TRIB1	6.61E-04	-0.7557	0.046	0.11	1	HC_vs_MS.NoTrt_B
PHLDB2	6.75E-04	0.44079	0.51	0.41	1	HC_vs_MS.NoTrt_B
KANK2	6.79E-04	0.371	0.894	0.89	1	HC_vs_MS.NoTrt_B
FAAP100	6.95E-04	-0.5534	0.119	0.22	1	HC_vs_MS.NoTrt_B
EIF3G	7.02E-04	-0.3572	0.816	0.89	1	HC_vs_MS.NoTrt_B
STK16	7.03E-04	-0.7969	0.043	0.11	1	HC_vs_MS.NoTrt_B
POLE	7.06E-04	0.5495	0.848	0.83	1	HC_vs_MS.NoTrt_B
STXBP2	7.07E-04	-0.2695	0.252	0.38	1	HC_vs_MS.NoTrt_B
TAF1C	7.12E-04	-0.3549	0.075	0.16	1	HC_vs_MS.NoTrt_B
MKKS	7.23E-04	-0.3945	0.046	0.11	1	HC_vs_MS.NoTrt_B
PSMB6	7.37E-04	-0.4143	0.571	0.7	1	HC_vs_MS.NoTrt_B
GOSR2	7.52E-04	-0.8144	0.086	0.17	1	HC_vs_MS.NoTrt_B
ERLEC1	7.60E-04	-0.6649	0.358	0.5	1	HC_vs_MS.NoTrt_B
TBC1D8B	7.67E-04	0.51127	0.957	0.96	1	HC_vs_MS.NoTrt_B
DUSP16	7.77E-04	-0.3516	0.206	0.32	1	HC_vs_MS.NoTrt_B
UTP6	7.80E-04	0.35293	0.87	0.88	1	HC_vs_MS.NoTrt_B
MACC1	7.95E-04	0.46971	0.672	0.59	1	HC_vs_MS.NoTrt_B

NUP37	8.08E-04	-1.0157	0.275	0.4	1	HC_vs_MS.NoTrt_B
PYGL	8.08E-04	0.37074	0.888	0.87	1	HC_vs_MS.NoTrt_B
EIF6	8.15E-04	-0.5152	0.125	0.22	1	HC_vs_MS.NoTrt_B
NT5C	8.18E-04	-0.3366	0.104	0.2	1	HC_vs_MS.NoTrt_B
PCDHA4	8.23E-04	0.41007	0.904	0.86	1	HC_vs_MS.NoTrt_B
MILR1	8.43E-04	0.36806	0.854	0.86	1	HC_vs_MS.NoTrt_B
TAF1	8.54E-04	0.9269	0.799	0.8	1	HC_vs_MS.NoTrt_B
ZNF660	8.58E-04	0.47395	0.564	0.51	1	HC_vs_MS.NoTrt_B
RAP2C	8.63E-04	-0.3749	0.245	0.36	1	HC_vs_MS.NoTrt_B
PCSK5	8.65E-04	-0.426	0.97	0.95	1	HC_vs_MS.NoTrt_B
PRMT2	8.79E-04	-0.2734	0.343	0.47	1	HC_vs_MS.NoTrt_B
VCPKMT	8.85E-04	-0.38	0.07	0.15	1	HC_vs_MS.NoTrt_B
NIF3L1	8.88E-04	-0.9727	0.074	0.15	1	HC_vs_MS.NoTrt_B
DPPA4	9.01E-04	0.4884	0.852	0.87	1	HC_vs_MS.NoTrt_B
IL1RAP	9.07E-04	0.29398	0.658	0.59	1	HC_vs_MS.NoTrt_B
RP11-77H9.1	9.20E-04	0.36756	0.497	0.37	1	HC_vs_MS.NoTrt_B
AP000304.1	9.35E-04	-0.3867	0.197	0.31	1	HC_vs_MS.NoTrt_B
SATB1	9.47E-04	0.89026	0.239	0.12	1	HC_vs_MS.NoTrt_B
POLR2L	9.58E-04	-0.6095	0.212	0.32	1	HC_vs_MS.NoTrt_B
NEK4	9.61E-04	0.51919	0.767	0.72	1	HC_vs_MS.NoTrt_B
TMEM159	9.62E-04	0.30172	0.607	0.49	1	HC_vs_MS.NoTrt_B
MUL1	9.67E-04	-0.6609	0.041	0.1	1	HC_vs_MS.NoTrt_B
SCIN	9.71E-04	0.28229	0.88	0.89	1	HC_vs_MS.NoTrt_B
CCR10	9.74E-04	-0.6725	0.081	0.16	1	HC_vs_MS.NoTrt_B
CCDC191	9.89E-04	-0.4642	0.181	0.3	1	HC_vs_MS.NoTrt_B
PHLDB1	0.00101	0.37983	0.942	0.95	1	HC_vs_MS.NoTrt_B
RELL2	0.00101	-0.4349	0.077	0.16	1	HC_vs_MS.NoTrt_B
ZBTB8B	0.00102	0.26411	0.954	0.94	1	HC_vs_MS.NoTrt_B
RALB	0.00103	-0.274	0.048	0.11	1	HC_vs_MS.NoTrt_B
OPTN	0.00103	-0.4555	0.696	0.78	1	HC_vs_MS.NoTrt_B
EIF2S1	0.00104	-0.3727	0.258	0.36	1	HC_vs_MS.NoTrt_B
CPT1C	0.00105	0.33963	0.883	0.92	1	HC_vs_MS.NoTrt_B
MPV17L	0.00105	0.33476	0.975	0.98	1	HC_vs_MS.NoTrt_B
LRRK1	0.00106	0.48286	0.843	0.81	1	HC_vs_MS.NoTrt_B
NPFFR1	0.00107	0.27608	0.891	0.85	1	HC_vs_MS.NoTrt_B
EIF3I	0.00108	-0.7166	0.468	0.56	1	HC_vs_MS.NoTrt_B
MALSU1	0.00109	-0.4954	0.081	0.16	1	HC_vs_MS.NoTrt_B
SHOX	0.0011	0.37302	0.839	0.78	1	HC_vs_MS.NoTrt_B
TCF7	0.0011	0.6601	0.787	0.73	1	HC_vs_MS.NoTrt_B
MRPL53	0.00111	-0.2821	0.087	0.17	1	HC_vs_MS.NoTrt_B

LYPLA2	0.00112	-0.4417	0.135	0.23	1	HC_vs_MS.NoTrt_B
ZNF511	0.00112	-0.8128	0.052	0.12	1	HC_vs_MS.NoTrt_B
ABC7-42404	0.00113	0.26791	0.707	0.63	1	HC_vs_MS.NoTrt_B
PEPD	0.00114	-0.7777	0.104	0.19	1	HC_vs_MS.NoTrt_B
NELFA	0.00114	0.43885	0.786	0.76	1	HC_vs_MS.NoTrt_B
TBCA	0.00115	-0.3375	0.213	0.32	1	HC_vs_MS.NoTrt_B
SKA1	0.00115	0.33357	0.677	0.6	1	HC_vs_MS.NoTrt_B
PLAA	0.00115	-0.6719	0.084	0.16	1	HC_vs_MS.NoTrt_B
ITPA	0.00116	-0.4093	0.113	0.21	1	HC_vs_MS.NoTrt_B
TSPYL4	0.00116	-0.4855	0.104	0.2	1	HC_vs_MS.NoTrt_B
ZNF347	0.00117	0.29006	0.91	0.9	1	HC_vs_MS.NoTrt_B
CUTA	0.00117	-0.3235	0.27	0.4	1	HC_vs_MS.NoTrt_B
DIDO1	0.00117	-0.3881	0.213	0.33	1	HC_vs_MS.NoTrt_B
UFD1L	0.00119	-0.304	0.761	0.83	1	HC_vs_MS.NoTrt_B
NOSIP	0.00119	-0.2894	0.484	0.61	1	HC_vs_MS.NoTrt_B
IBA57	0.00119	0.88504	0.772	0.73	1	HC_vs_MS.NoTrt_B
AFAP1L1	0.00119	0.30122	0.461	0.32	1	HC_vs_MS.NoTrt_B
ZNF829	0.00121	0.5972	0.877	0.89	1	HC_vs_MS.NoTrt_B
EFHC1	0.00121	0.31877	0.903	0.9	1	HC_vs_MS.NoTrt_B
B3GAT3	0.00121	-0.3989	0.532	0.62	1	HC_vs_MS.NoTrt_B
TRIOBP	0.00122	0.48697	0.397	0.27	1	HC_vs_MS.NoTrt_B
MTG1	0.00123	-0.4097	0.148	0.25	1	HC_vs_MS.NoTrt_B
AXL	0.00125	0.27751	0.668	0.56	1	HC_vs_MS.NoTrt_B
RP2	0.00125	0.58734	0.646	0.62	1	HC_vs_MS.NoTrt_B
CAMLG	0.00126	-0.4122	0.442	0.56	1	HC_vs_MS.NoTrt_B
SEN7	0.00129	0.40502	0.987	0.97	1	HC_vs_MS.NoTrt_B
COX5A	0.0013	-0.2991	0.206	0.33	1	HC_vs_MS.NoTrt_B
ARIH1	0.00131	0.36837	0.964	0.95	1	HC_vs_MS.NoTrt_B
GBP3	0.00131	-0.5928	0.194	0.29	1	HC_vs_MS.NoTrt_B
CD79B	0.00133	-0.5335	0.059	0.13	1	HC_vs_MS.NoTrt_B
TERF1	0.00133	0.45197	0.72	0.66	1	HC_vs_MS.NoTrt_B
MAZ	0.00134	-0.5384	0.138	0.23	1	HC_vs_MS.NoTrt_B
PPIL3	0.00135	0.2988	0.796	0.78	1	HC_vs_MS.NoTrt_B
BTD	0.00136	-0.5562	0.075	0.15	1	HC_vs_MS.NoTrt_B
NCF4	0.00136	-0.3878	0.161	0.26	1	HC_vs_MS.NoTrt_B
AKR7A2	0.00136	-0.3663	0.113	0.21	1	HC_vs_MS.NoTrt_B
G6PC3	0.00136	0.35804	0.819	0.77	1	HC_vs_MS.NoTrt_B
RPA1	0.00137	-0.6561	0.264	0.37	1	HC_vs_MS.NoTrt_B
WDR61	0.00137	-0.3097	0.13	0.23	1	HC_vs_MS.NoTrt_B
HSPA4L	0.00139	0.33369	0.874	0.86	1	HC_vs_MS.NoTrt_B

ARRDC5	0.00139	-0.7419	0.087	0.17	1	HC_vs_MS.NoTrt_B
ZNF708	0.00141	0.60589	0.784	0.75	1	HC_vs_MS.NoTrt_B
TTC12	0.00141	-0.6196	0.097	0.18	1	HC_vs_MS.NoTrt_B
STAG1	0.00142	0.33508	0.206	0.33	1	HC_vs_MS.NoTrt_B
PDCD10	0.00142	-0.2799	0.174	0.28	1	HC_vs_MS.NoTrt_B
XPR1	0.00143	-0.3805	0.299	0.41	1	HC_vs_MS.NoTrt_B
ZNF100	0.00143	0.63291	0.835	0.82	1	HC_vs_MS.NoTrt_B
DENND2D	0.00143	0.81997	0.384	0.28	1	HC_vs_MS.NoTrt_B
NFS1	0.00144	-0.5151	0.886	0.87	1	HC_vs_MS.NoTrt_B
TRIM27	0.00144	-0.5364	0.384	0.48	1	HC_vs_MS.NoTrt_B
SPACA6	0.00146	0.26458	0.87	0.86	1	HC_vs_MS.NoTrt_B
COX5B	0.00147	-0.2773	0.759	0.83	1	HC_vs_MS.NoTrt_B
SFT2D2	0.00148	0.30923	0.98	0.98	1	HC_vs_MS.NoTrt_B
SF3B5	0.00151	-0.4119	0.086	0.17	1	HC_vs_MS.NoTrt_B
FBXL2	0.00151	0.57749	0.636	0.58	1	HC_vs_MS.NoTrt_B
ANKLE2	0.00152	0.3595	0.984	0.99	1	HC_vs_MS.NoTrt_B
VAV3	0.00153	0.54898	0.551	0.43	1	HC_vs_MS.NoTrt_B
TMEM145	0.00153	0.2932	0.893	0.94	1	HC_vs_MS.NoTrt_B
DDX24	0.00153	-0.3289	0.51	0.64	1	HC_vs_MS.NoTrt_B
SLITRK5	0.00153	0.34446	0.733	0.65	1	HC_vs_MS.NoTrt_B
LIG1	0.00154	-0.4343	0.13	0.22	1	HC_vs_MS.NoTrt_B
AACS	0.00154	0.56014	0.986	0.98	1	HC_vs_MS.NoTrt_B
FN3K	0.00155	0.43254	0.783	0.76	1	HC_vs_MS.NoTrt_B
BAD	0.00155	-0.4021	0.061	0.13	1	HC_vs_MS.NoTrt_B
LYRM7	0.00155	0.54568	0.919	0.91	1	HC_vs_MS.NoTrt_B
EMC6	0.00156	-0.5078	0.057	0.12	1	HC_vs_MS.NoTrt_B
TMEM126A	0.00156	-0.7606	0.054	0.12	1	HC_vs_MS.NoTrt_B
NIM1K	0.00158	0.26014	0.703	0.62	1	HC_vs_MS.NoTrt_B
MOCS3	0.00158	0.80225	0.822	0.81	1	HC_vs_MS.NoTrt_B
MAP7D3	0.00159	0.62186	0.577	0.49	1	HC_vs_MS.NoTrt_B
ERP29	0.00159	-0.3414	0.848	0.88	1	HC_vs_MS.NoTrt_B
GPI	0.00161	-0.4142	0.886	0.92	1	HC_vs_MS.NoTrt_B
TCF23	0.00161	0.2753	0.875	0.88	1	HC_vs_MS.NoTrt_B
RCE1	0.00161	-0.4445	0.061	0.13	1	HC_vs_MS.NoTrt_B
ZNF26	0.00165	0.4159	0.996	0.99	1	HC_vs_MS.NoTrt_B
PRF1	0.00167	-0.3794	0.155	0.25	1	HC_vs_MS.NoTrt_B
EIF3K	0.00169	-0.3188	0.664	0.78	1	HC_vs_MS.NoTrt_B
GATAD1	0.0017	0.46783	0.877	0.88	1	HC_vs_MS.NoTrt_B
SDHA	0.0017	-0.411	0.613	0.7	1	HC_vs_MS.NoTrt_B
DBN1	0.00173	0.68761	0.217	0.12	1	HC_vs_MS.NoTrt_B

ZNF426	0.00174	1.02474	0.912	0.9	1	HC_vs_MS.NoTrt_B
VPS16	0.00178	-0.7214	0.086	0.16	1	HC_vs_MS.NoTrt_B
LINC01125	0.00179	0.30813	0.949	0.96	1	HC_vs_MS.NoTrt_B
MED11	0.0018	0.45822	0.691	0.62	1	HC_vs_MS.NoTrt_B
CBWD2	0.00181	-0.2678	0.414	0.54	1	HC_vs_MS.NoTrt_B
STRN3	0.00182	0.78988	0.78	0.71	1	HC_vs_MS.NoTrt_B
ZNF284	0.00183	-0.9565	0.558	0.67	1	HC_vs_MS.NoTrt_B
SPAG4	0.00183	-0.6323	0.188	0.3	1	HC_vs_MS.NoTrt_B
LGMN	0.00184	0.62657	0.958	0.98	1	HC_vs_MS.NoTrt_B
MPC2	0.00185	-0.2737	0.428	0.53	1	HC_vs_MS.NoTrt_B
PGM1	0.00186	-0.9474	0.062	0.13	1	HC_vs_MS.NoTrt_B
HERC3	0.00188	-0.3949	0.283	0.38	1	HC_vs_MS.NoTrt_B
GMPR2	0.00191	-0.7047	0.107	0.19	1	HC_vs_MS.NoTrt_B
YPEL5	0.00193	-0.2745	0.175	0.28	1	HC_vs_MS.NoTrt_B
LPXN	0.00196	-0.2577	0.3	0.41	1	HC_vs_MS.NoTrt_B
SSNA1	0.00202	-0.2964	0.129	0.23	1	HC_vs_MS.NoTrt_B
NMNAT1	0.00203	0.44078	0.977	1	1	HC_vs_MS.NoTrt_B
SPTLC2	0.00205	0.25124	0.697	0.6	1	HC_vs_MS.NoTrt_B
SLC8B1	0.00207	-0.292	0.433	0.55	1	HC_vs_MS.NoTrt_B
ABCA8	0.00208	0.40947	0.441	0.32	1	HC_vs_MS.NoTrt_B
NBPF10	0.0021	1.01818	0.278	0.17	1	HC_vs_MS.NoTrt_B
FAM172A	0.00211	-0.3485	0.11	0.2	1	HC_vs_MS.NoTrt_B
FMO3	0.00211	0.45764	0.567	0.51	1	HC_vs_MS.NoTrt_B
FTO	0.00211	0.35961	0.99	1	1	HC_vs_MS.NoTrt_B
NEK5	0.00211	0.38294	0.852	0.83	1	HC_vs_MS.NoTrt_B
CACNA1D	0.00215	0.63228	0.661	0.58	1	HC_vs_MS.NoTrt_B
PTGES3L	0.00216	0.43775	0.82	0.82	1	HC_vs_MS.NoTrt_B
CTTNBP2NL	0.00217	0.6919	0.441	0.34	1	HC_vs_MS.NoTrt_B
SMPD1	0.00217	-0.9052	0.055	0.12	1	HC_vs_MS.NoTrt_B
ATRAID	0.00219	-0.3075	0.183	0.29	1	HC_vs_MS.NoTrt_B
VDAC1	0.00222	-0.3941	0.719	0.84	1	HC_vs_MS.NoTrt_B
TALDO1	0.00223	-0.488	0.662	0.78	1	HC_vs_MS.NoTrt_B
VTI1B	0.00228	-0.3706	0.217	0.32	1	HC_vs_MS.NoTrt_B
STMND1	0.00229	0.32297	0.826	0.78	1	HC_vs_MS.NoTrt_B
GSTO1	0.0023	-0.3983	0.11	0.2	1	HC_vs_MS.NoTrt_B
ST7	0.0023	-1.5295	0.045	0.1	1	HC_vs_MS.NoTrt_B
ERMARD	0.00233	-0.6232	0.071	0.14	1	HC_vs_MS.NoTrt_B
SPP2	0.00236	0.62904	0.691	0.68	1	HC_vs_MS.NoTrt_B
HADHA	0.00236	-0.3257	0.509	0.63	1	HC_vs_MS.NoTrt_B
ZNF506	0.00237	0.29145	0.987	1	1	HC_vs_MS.NoTrt_B

EIF4E	0.00243	0.29837	0.988	1	1	HC_vs_MS.NoTrt_B
TBC1D30	0.00244	0.25197	0.887	0.85	1	HC_vs_MS.NoTrt_B
TOMM6	0.00246	-0.2917	0.199	0.31	1	HC_vs_MS.NoTrt_B
PCBP4	0.00249	-1.1149	0.049	0.11	1	HC_vs_MS.NoTrt_B
CASP4	0.00249	-0.3833	0.336	0.45	1	HC_vs_MS.NoTrt_B
APH1A	0.0025	-0.4582	0.181	0.28	1	HC_vs_MS.NoTrt_B
DOK1	0.0025	-0.6994	0.045	0.1	1	HC_vs_MS.NoTrt_B
OS9	0.00252	-0.3433	0.226	0.34	1	HC_vs_MS.NoTrt_B
PHF6	0.00253	0.83269	0.667	0.59	1	HC_vs_MS.NoTrt_B
FAM32A	0.00254	-0.5253	0.436	0.53	1	HC_vs_MS.NoTrt_B
HNRNPH2	0.00254	-0.5902	0.155	0.24	1	HC_vs_MS.NoTrt_B
PHLPP2	0.00256	0.86704	0.8	0.76	1	HC_vs_MS.NoTrt_B
HPF1	0.00257	-0.4136	0.078	0.15	1	HC_vs_MS.NoTrt_B
CTNS	0.00257	-1.1094	0.106	0.18	1	HC_vs_MS.NoTrt_B
CREB3	0.00258	-0.8515	0.052	0.11	1	HC_vs_MS.NoTrt_B
KDM4A	0.00259	-0.3158	0.088	0.17	1	HC_vs_MS.NoTrt_B
MOCOS	0.00261	0.36521	0.625	0.53	1	HC_vs_MS.NoTrt_B
LY6G5C	0.00261	-0.2976	0.594	0.5	1	HC_vs_MS.NoTrt_B
ALKBH7	0.00262	-0.4838	0.106	0.19	1	HC_vs_MS.NoTrt_B
DAGLB	0.00262	0.63929	0.828	0.84	1	HC_vs_MS.NoTrt_B
TM4SF18	0.00262	0.33289	0.267	0.16	1	HC_vs_MS.NoTrt_B
CLN5	0.00263	0.31667	0.962	0.97	1	HC_vs_MS.NoTrt_B
TRIP12	0.00267	-0.2854	0.458	0.58	1	HC_vs_MS.NoTrt_B
ZNF329	0.00267	0.37947	0.716	0.68	1	HC_vs_MS.NoTrt_B
C11orf98	0.00268	-0.7188	0.103	0.18	1	HC_vs_MS.NoTrt_B
TM7SF3	0.0027	0.42201	0.935	0.96	1	HC_vs_MS.NoTrt_B
MRPL21	0.00271	-0.491	0.087	0.16	1	HC_vs_MS.NoTrt_B
EEF2KMT	0.00273	-0.6001	0.057	0.12	1	HC_vs_MS.NoTrt_B
ATP6V0D2	0.00273	0.30954	0.778	0.74	1	HC_vs_MS.NoTrt_B
ZKSCAN1	0.00276	0.30469	0.939	0.92	1	HC_vs_MS.NoTrt_B
SULT1A4	0.00277	-0.7241	0.21	0.3	1	HC_vs_MS.NoTrt_B
BCL2L1	0.00277	-0.3053	0.123	0.21	1	HC_vs_MS.NoTrt_B
ZNF554	0.00277	0.2662	0.951	0.96	1	HC_vs_MS.NoTrt_B
ZNF844	0.00279	0.30405	0.904	0.89	1	HC_vs_MS.NoTrt_B
GSTT1	0.00281	0.38841	0.723	0.64	1	HC_vs_MS.NoTrt_B
FSIP2	0.00282	0.40775	0.793	0.76	1	HC_vs_MS.NoTrt_B
C15orf59	0.00282	0.3703	0.654	0.6	1	HC_vs_MS.NoTrt_B
PTRHD1	0.00284	-0.5672	0.22	0.32	1	HC_vs_MS.NoTrt_B
HSD17B10	0.00284	-0.4644	0.09	0.17	1	HC_vs_MS.NoTrt_B
DPP8	0.0029	-0.2557	0.357	0.47	1	HC_vs_MS.NoTrt_B

C1orf186	0.00295	0.4829	0.614	0.57	1	HC_vs_MS.NoTrt_B
LAMTOR4	0.00295	-0.4185	0.441	0.54	1	HC_vs_MS.NoTrt_B
HLA-DPB1	0.00296	-0.591	0.443	0.53	1	HC_vs_MS.NoTrt_B
HACD2	0.00299	0.35055	0.939	0.97	1	HC_vs_MS.NoTrt_B
MAP4K3	0.003	-0.7823	0.049	0.11	1	HC_vs_MS.NoTrt_B
POLR2J	0.00302	-0.379	0.152	0.24	1	HC_vs_MS.NoTrt_B
FEM1A	0.00303	0.2686	0.933	0.92	1	HC_vs_MS.NoTrt_B
SRI	0.00303	-0.3002	0.367	0.47	1	HC_vs_MS.NoTrt_B
BCAS2	0.00305	-0.3769	0.162	0.25	1	HC_vs_MS.NoTrt_B
THOC7	0.00306	-0.3506	0.145	0.24	1	HC_vs_MS.NoTrt_B
RAB8A	0.00306	-0.4518	0.507	0.6	1	HC_vs_MS.NoTrt_B
CCL5	0.00307	0.29928	0.89	0.88	1	HC_vs_MS.NoTrt_B
PPP5D1	0.00309	0.58477	0.729	0.7	1	HC_vs_MS.NoTrt_B
FAM127A	0.00312	-0.7011	0.065	0.13	1	HC_vs_MS.NoTrt_B
CDK7	0.00312	-0.3417	0.135	0.22	1	HC_vs_MS.NoTrt_B
C1orf109	0.00321	0.26901	0.868	0.83	1	HC_vs_MS.NoTrt_B
PLPP2	0.00321	0.28002	0.891	0.87	1	HC_vs_MS.NoTrt_B
PROM2	0.00324	0.50063	0.706	0.67	1	HC_vs_MS.NoTrt_B
SLC5A5	0.00326	1.20816	0.455	0.36	1	HC_vs_MS.NoTrt_B
EXOC4	0.00326	-0.2871	0.564	0.67	1	HC_vs_MS.NoTrt_B
SDHAF3	0.00326	0.29117	0.045	0.1	1	HC_vs_MS.NoTrt_B
SLC38A6	0.00333	0.31152	0.643	0.61	1	HC_vs_MS.NoTrt_B
FYCO1	0.00333	-0.4126	0.1	0.18	1	HC_vs_MS.NoTrt_B
WDR62	0.00334	0.38711	0.884	0.88	1	HC_vs_MS.NoTrt_B
LILRA2	0.00334	0.27367	0.787	0.73	1	HC_vs_MS.NoTrt_B
COG5	0.00335	0.60595	0.199	0.3	1	HC_vs_MS.NoTrt_B
SCGB3A2	0.00335	0.53742	0.28	0.17	1	HC_vs_MS.NoTrt_B
NHP2	0.00335	-0.3395	0.172	0.27	1	HC_vs_MS.NoTrt_B
SNRPA	0.00336	-0.2523	0.288	0.4	1	HC_vs_MS.NoTrt_B
SSX5	0.00337	0.5115	0.199	0.11	1	HC_vs_MS.NoTrt_B
KCNN3	0.00337	0.25336	0.412	0.32	1	HC_vs_MS.NoTrt_B
COL1A2	0.00337	0.35764	0.417	0.32	1	HC_vs_MS.NoTrt_B
AP5Z1	0.00341	-0.7006	0.143	0.23	1	HC_vs_MS.NoTrt_B
NDUFAB1	0.00343	-0.2996	0.17	0.27	1	HC_vs_MS.NoTrt_B
KCNAB3	0.00343	-0.383	0.343	0.47	1	HC_vs_MS.NoTrt_B
KCNJ15	0.00346	0.59095	0.588	0.52	1	HC_vs_MS.NoTrt_B
ANKS3	0.00347	-0.288	0.746	0.7	1	HC_vs_MS.NoTrt_B
NAPRT	0.00347	-0.391	0.138	0.23	1	HC_vs_MS.NoTrt_B
CCDC12	0.00347	-0.4047	0.281	0.4	1	HC_vs_MS.NoTrt_B
POP4	0.00351	-0.5625	0.101	0.18	1	HC_vs_MS.NoTrt_B

PMVK	0.00354	-0.3604	0.096	0.17	1	HC_vs_MS.NoTrt_B
DDX39A	0.00354	-0.3116	0.268	0.38	1	HC_vs_MS.NoTrt_B
SYMPK	0.00355	0.2833	0.887	0.89	1	HC_vs_MS.NoTrt_B
MANSC1	0.00358	0.26192	0.916	0.92	1	HC_vs_MS.NoTrt_B
CAMTA1	0.0036	-0.4694	0.116	0.2	1	HC_vs_MS.NoTrt_B
PLAG1	0.0036	1.06119	0.358	0.25	1	HC_vs_MS.NoTrt_B
TERF2	0.00364	0.45044	0.864	0.84	1	HC_vs_MS.NoTrt_B
COMTD1	0.00364	-0.6531	0.062	0.12	1	HC_vs_MS.NoTrt_B
HECW2	0.00365	0.4915	0.403	0.3	1	HC_vs_MS.NoTrt_B
HTRA4	0.00367	0.47611	0.455	0.35	1	HC_vs_MS.NoTrt_B
STIM2	0.00369	-0.2946	0.093	0.17	1	HC_vs_MS.NoTrt_B
CTRL	0.00373	-0.679	0.062	0.12	1	HC_vs_MS.NoTrt_B
YPEL3	0.00373	-0.5075	0.235	0.32	1	HC_vs_MS.NoTrt_B
SLC35A1	0.00374	-0.255	0.081	0.15	1	HC_vs_MS.NoTrt_B
PGK1	0.00377	-0.3059	0.577	0.66	1	HC_vs_MS.NoTrt_B
LILRA5	0.00379	0.40421	0.728	0.67	1	HC_vs_MS.NoTrt_B
C3	0.00379	0.30361	0.933	0.96	1	HC_vs_MS.NoTrt_B
ZFYVE16	0.0038	0.65072	0.883	0.88	1	HC_vs_MS.NoTrt_B
FLT1	0.0038	0.26988	0.683	0.59	1	HC_vs_MS.NoTrt_B
MITD1	0.00381	0.45628	0.943	0.96	1	HC_vs_MS.NoTrt_B
ATP2A2	0.00386	1.26448	0.694	0.67	1	HC_vs_MS.NoTrt_B
USF1	0.0039	-2.0201	0.146	0.22	1	HC_vs_MS.NoTrt_B
SRRM2	0.00391	0.67376	0.742	0.72	1	HC_vs_MS.NoTrt_B
NEUROD2	0.00393	1.05532	0.188	0.1	1	HC_vs_MS.NoTrt_B
PHB	0.00399	-0.5129	0.123	0.21	1	HC_vs_MS.NoTrt_B
HOOK2	0.00399	0.5358	0.952	0.96	1	HC_vs_MS.NoTrt_B
NELFE	0.00403	-0.3979	0.114	0.2	1	HC_vs_MS.NoTrt_B
ACAD9	0.00404	-1.0218	0.248	0.34	1	HC_vs_MS.NoTrt_B
ZNF492	0.00404	0.50093	0.49	0.4	1	HC_vs_MS.NoTrt_B
ITGB3BP	0.00405	0.47102	0.784	0.79	1	HC_vs_MS.NoTrt_B
CHRNA5	0.00407	0.39011	0.52	0.46	1	HC_vs_MS.NoTrt_B
MAGED2	0.00409	-0.4235	0.138	0.22	1	HC_vs_MS.NoTrt_B
RANBP1	0.0041	-0.5548	0.142	0.23	1	HC_vs_MS.NoTrt_B
EZH2	0.00414	-0.5369	0.099	0.17	1	HC_vs_MS.NoTrt_B
PNKD	0.00418	-0.4883	0.099	0.17	1	HC_vs_MS.NoTrt_B
KBTBD4	0.0042	-0.6442	0.051	0.11	1	HC_vs_MS.NoTrt_B
SZT2	0.00426	0.30632	0.849	0.82	1	HC_vs_MS.NoTrt_B
BLVRA	0.00428	-0.6134	0.103	0.18	1	HC_vs_MS.NoTrt_B
FKBP3	0.00428	0.29045	0.268	0.38	1	HC_vs_MS.NoTrt_B
ARMC1	0.00431	-0.5833	0.083	0.15	1	HC_vs_MS.NoTrt_B



ARF5	0.00434	-0.3772	0.196	0.29	1	HC_vs_MS.NoTrt_B
SLC25A11	0.00436	-0.2792	0.104	0.18	1	HC_vs_MS.NoTrt_B
LBHD1	0.00436	1.95219	0.477	0.39	1	HC_vs_MS.NoTrt_B
PARK7	0.00437	-0.2876	0.714	0.78	1	HC_vs_MS.NoTrt_B
PCDHB1	0.0044	0.33225	0.778	0.79	1	HC_vs_MS.NoTrt_B
ARPC1B	0.00444	-0.2924	0.928	0.98	1	HC_vs_MS.NoTrt_B
PPP1R11	0.00445	-0.3516	0.13	0.22	1	HC_vs_MS.NoTrt_B
DERL2	0.00445	0.27103	0.268	0.37	1	HC_vs_MS.NoTrt_B
RP11-577H5	0.00447	-0.8579	0.075	0.14	1	HC_vs_MS.NoTrt_B
UGGT2	0.00448	0.47809	0.803	0.78	1	HC_vs_MS.NoTrt_B
FKBP15	0.00449	-0.4966	0.07	0.14	1	HC_vs_MS.NoTrt_B
SRD5A1	0.0045	-0.2527	0.701	0.68	1	HC_vs_MS.NoTrt_B
GABRP	0.00452	0.64436	0.323	0.22	1	HC_vs_MS.NoTrt_B
QPRT	0.00454	0.35387	0.92	0.92	1	HC_vs_MS.NoTrt_B
GPR85	0.00459	0.51441	0.388	0.28	1	HC_vs_MS.NoTrt_B
AHSA2	0.00462	0.33148	0.219	0.32	1	HC_vs_MS.NoTrt_B
SPICE1	0.00462	-0.5376	0.235	0.35	1	HC_vs_MS.NoTrt_B
MAP3K1	0.00476	0.34287	0.464	0.64	1	HC_vs_MS.NoTrt_B
FKBP8	0.00477	0.53215	0.196	0.31	1	HC_vs_MS.NoTrt_B
ETHE1	0.00477	-0.4172	0.055	0.11	1	HC_vs_MS.NoTrt_B
GABARAPL2	0.00478	-0.4537	0.443	0.54	1	HC_vs_MS.NoTrt_B
H6PD	0.0048	0.86177	0.793	0.83	1	HC_vs_MS.NoTrt_B
SCN7A	0.00481	0.46695	0.522	0.44	1	HC_vs_MS.NoTrt_B
TMEM147	0.00482	-0.4338	0.11	0.19	1	HC_vs_MS.NoTrt_B
NIPA2	0.00485	-0.5552	0.091	0.16	1	HC_vs_MS.NoTrt_B
UQCRH	0.0049	-0.2848	0.514	0.62	1	HC_vs_MS.NoTrt_B
SLC16A12	0.00491	0.48321	0.397	0.31	1	HC_vs_MS.NoTrt_B
RGL4	0.00492	-0.3814	0.194	0.29	1	HC_vs_MS.NoTrt_B
KATNA1	0.00492	-0.8265	0.064	0.12	1	HC_vs_MS.NoTrt_B
BRF1	0.00494	0.58827	0.565	0.47	1	HC_vs_MS.NoTrt_B
SQSTM1	0.005	-0.3303	0.81	0.84	1	HC_vs_MS.NoTrt_B
PTPRC	0.005	0.37744	0.962	0.98	1	HC_vs_MS.NoTrt_B
DYNC1H1	0.0051	0.37969	0.938	0.96	1	HC_vs_MS.NoTrt_B
BEX2	0.00516	-0.5285	0.067	0.13	1	HC_vs_MS.NoTrt_B
ST3GAL6	0.00519	0.70621	0.31	0.23	1	HC_vs_MS.NoTrt_B
CEP19	0.00521	0.9677	0.643	0.58	1	HC_vs_MS.NoTrt_B
MTMR9	0.00525	-0.3529	0.274	0.38	1	HC_vs_MS.NoTrt_B
EEFSEC	0.00527	-0.4033	0.083	0.15	1	HC_vs_MS.NoTrt_B
SLC43A1	0.00531	-0.7066	0.075	0.14	1	HC_vs_MS.NoTrt_B
DPP6	0.00535	0.34768	0.477	0.39	1	HC_vs_MS.NoTrt_B

ASNSD1	0.00537	-0.5806	0.109	0.18	1	HC_vs_MS.NoTrt_B
TMEM109	0.00541	-0.2913	0.141	0.23	1	HC_vs_MS.NoTrt_B
UCHL3	0.00542	-0.2815	0.104	0.18	1	HC_vs_MS.NoTrt_B
PGAM1	0.00544	-0.2654	0.206	0.3	1	HC_vs_MS.NoTrt_B
LRR36	0.00545	0.30066	0.836	0.82	1	HC_vs_MS.NoTrt_B
KDM2A	0.00548	0.72291	0.907	0.88	1	HC_vs_MS.NoTrt_B
NLRP12	0.00549	0.37316	0.738	0.71	1	HC_vs_MS.NoTrt_B
PIGR	0.00553	0.37085	0.557	0.47	1	HC_vs_MS.NoTrt_B
DACT3	0.00559	0.25139	0.955	0.96	1	HC_vs_MS.NoTrt_B
TMEM161A	0.00564	-0.6754	0.135	0.22	1	HC_vs_MS.NoTrt_B
FAM131A	0.0057	0.7976	0.806	0.76	1	HC_vs_MS.NoTrt_B
MRPL39	0.00572	-0.5623	0.084	0.15	1	HC_vs_MS.NoTrt_B
AC025335.1	0.00574	0.65455	0.613	0.51	1	HC_vs_MS.NoTrt_B
PIP4K2C	0.00576	-0.8039	0.107	0.18	1	HC_vs_MS.NoTrt_B
SGO2	0.00577	0.44873	0.791	0.8	1	HC_vs_MS.NoTrt_B
ASMTL	0.00586	-0.52	0.068	0.13	1	HC_vs_MS.NoTrt_B
C14orf2	0.00586	-0.2511	0.833	0.88	1	HC_vs_MS.NoTrt_B
C17orf89	0.00588	-0.2844	0.071	0.14	1	HC_vs_MS.NoTrt_B
TMEM120A	0.00593	-0.2826	0.096	0.17	1	HC_vs_MS.NoTrt_B
RP11-437B1	0.00596	0.65109	0.574	0.5	1	HC_vs_MS.NoTrt_B
SHMT1	0.00598	-0.8469	0.367	0.48	1	HC_vs_MS.NoTrt_B
AATF	0.00601	-0.5244	0.165	0.25	1	HC_vs_MS.NoTrt_B
TECRL	0.00601	0.48128	0.217	0.13	1	HC_vs_MS.NoTrt_B
RUSC1	0.00603	-1.0978	0.049	0.1	1	HC_vs_MS.NoTrt_B
CD40LG	0.00603	1.18053	0.22	0.14	1	HC_vs_MS.NoTrt_B
TBCB	0.00603	-0.3506	0.645	0.71	1	HC_vs_MS.NoTrt_B
MRPL54	0.00604	-0.4188	0.087	0.16	1	HC_vs_MS.NoTrt_B
TOP3B	0.00607	-0.2881	0.133	0.22	1	HC_vs_MS.NoTrt_B
ICA1	0.00607	1.03903	0.596	0.54	1	HC_vs_MS.NoTrt_B
TSEN2	0.00609	0.52654	0.881	0.88	1	HC_vs_MS.NoTrt_B
TTC31	0.00614	-0.6069	0.206	0.29	1	HC_vs_MS.NoTrt_B
SLC30A5	0.00615	0.40913	0.777	0.71	1	HC_vs_MS.NoTrt_B
ADCY2	0.00615	0.35312	0.717	0.68	1	HC_vs_MS.NoTrt_B
METTL8	0.00616	0.30703	0.916	0.94	1	HC_vs_MS.NoTrt_B
RAB21	0.00623	0.49039	0.964	0.97	1	HC_vs_MS.NoTrt_B
POGZ	0.00625	0.67181	0.822	0.8	1	HC_vs_MS.NoTrt_B
C1orf216	0.00627	-0.4039	0.81	0.8	1	HC_vs_MS.NoTrt_B
METTL26	0.00628	-0.2644	0.187	0.28	1	HC_vs_MS.NoTrt_B
GFOD2	0.00629	0.66633	0.886	0.9	1	HC_vs_MS.NoTrt_B
HSPA1A	0.00631	-0.3184	0.122	0.2	1	HC_vs_MS.NoTrt_B

TMEM223	0.00632	-0.472	0.133	0.21	1	HC_vs_MS.NoTrt_B
CHD7	0.00636	2.01048	0.554	0.51	1	HC_vs_MS.NoTrt_B
SNRPB	0.00643	-0.2524	0.188	0.28	1	HC_vs_MS.NoTrt_B
STARD10	0.00644	0.34172	0.825	0.81	1	HC_vs_MS.NoTrt_B
ZNF821	0.00645	-0.6753	0.049	0.1	1	HC_vs_MS.NoTrt_B
CKAP2L	0.00648	0.50712	0.49	0.41	1	HC_vs_MS.NoTrt_B
TNFAIP8L2	0.00662	-0.4233	0.084	0.15	1	HC_vs_MS.NoTrt_B
C1orf159	0.00668	-0.4078	0.114	0.19	1	HC_vs_MS.NoTrt_B
SKA2	0.00674	0.25042	0.551	0.65	1	HC_vs_MS.NoTrt_B
ANXA3	0.00678	0.30808	0.486	0.38	1	HC_vs_MS.NoTrt_B
CACNB4	0.00678	0.47433	0.858	0.9	1	HC_vs_MS.NoTrt_B
PRDX6	0.0068	-0.2835	0.157	0.24	1	HC_vs_MS.NoTrt_B
FAM135B	0.00687	0.30778	0.291	0.2	1	HC_vs_MS.NoTrt_B
ATXN2	0.00687	0.42737	0.88	0.85	1	HC_vs_MS.NoTrt_B
DNAJA2	0.00689	-0.4122	0.367	0.45	1	HC_vs_MS.NoTrt_B
FAM83F	0.0069	0.32123	0.87	0.85	1	HC_vs_MS.NoTrt_B
HAUS3	0.00693	0.50475	0.822	0.85	1	HC_vs_MS.NoTrt_B
DNAL1	0.00695	0.37931	0.919	0.94	1	HC_vs_MS.NoTrt_B
CPQ	0.00703	-0.95	0.357	0.47	1	HC_vs_MS.NoTrt_B
MRPL24	0.00704	-0.5267	0.081	0.15	1	HC_vs_MS.NoTrt_B
EPB41L4A	0.00712	-0.3803	0.561	0.49	1	HC_vs_MS.NoTrt_B
C12orf57	0.00712	-0.516	0.349	0.45	1	HC_vs_MS.NoTrt_B
LRRC74B	0.00713	0.36778	0.748	0.71	1	HC_vs_MS.NoTrt_B
RASGRP1	0.00718	-0.2722	0.354	0.45	1	HC_vs_MS.NoTrt_B
POLDIP3	0.00728	-0.3626	0.119	0.2	1	HC_vs_MS.NoTrt_B
CCT6B	0.00729	0.66192	0.255	0.16	1	HC_vs_MS.NoTrt_B
IGFBPL1	0.00737	0.35129	0.562	0.5	1	HC_vs_MS.NoTrt_B
BTBD9	0.00738	0.57877	0.552	0.46	1	HC_vs_MS.NoTrt_B
TRAT1	0.0074	1.10139	0.249	0.17	1	HC_vs_MS.NoTrt_B
AGBL3	0.00742	-0.5023	0.248	0.34	1	HC_vs_MS.NoTrt_B
ZYG11B	0.00749	0.76995	0.704	0.62	1	HC_vs_MS.NoTrt_B
PPP1R7	0.0075	-0.3385	0.152	0.23	1	HC_vs_MS.NoTrt_B
BRPF1	0.0075	0.76125	0.057	0.11	1	HC_vs_MS.NoTrt_B
CMTR1	0.00751	-0.3204	0.159	0.24	1	HC_vs_MS.NoTrt_B
STRA13	0.00761	-0.5848	0.09	0.16	1	HC_vs_MS.NoTrt_B
SPDYE2B	0.00764	1.15135	0.335	0.27	1	HC_vs_MS.NoTrt_B
WDR74	0.00765	0.37801	0.596	0.48	1	HC_vs_MS.NoTrt_B
R3HCC1	0.00765	-0.2514	0.088	0.16	1	HC_vs_MS.NoTrt_B
POM121	0.00767	0.25148	0.397	0.52	1	HC_vs_MS.NoTrt_B
FGF22	0.00773	0.30205	0.37	0.29	1	HC_vs_MS.NoTrt_B

RBMS1	0.00777	0.58038	0.665	0.61	1	HC_vs_MS.NoTrt_B
SPIRE2	0.00778	0.37401	0.917	0.92	1	HC_vs_MS.NoTrt_B
CHEK1	0.00778	0.74355	0.767	0.77	1	HC_vs_MS.NoTrt_B
TLR10	0.0078	0.26379	0.404	0.3	1	HC_vs_MS.NoTrt_B
TOR1B	0.00781	1.4084	0.2	0.11	1	HC_vs_MS.NoTrt_B
DAPK3	0.00782	-0.2724	0.061	0.12	1	HC_vs_MS.NoTrt_B
ADA	0.00784	-0.4997	0.065	0.12	1	HC_vs_MS.NoTrt_B
TNRC6B	0.00787	0.50179	0.951	1	1	HC_vs_MS.NoTrt_B
ZNF316	0.00791	0.53659	0.461	0.38	1	HC_vs_MS.NoTrt_B
SNTB2	0.00792	0.50339	0.774	0.78	1	HC_vs_MS.NoTrt_B
MIS18A	0.00794	-0.3355	0.051	0.1	1	HC_vs_MS.NoTrt_B
PLPP5	0.00796	0.69604	0.848	0.84	1	HC_vs_MS.NoTrt_B
CBFA2T2	0.008	0.33636	0.92	0.95	1	HC_vs_MS.NoTrt_B
CLDN11	0.00802	0.59103	0.559	0.47	1	HC_vs_MS.NoTrt_B
SLITRK2	0.00806	0.42236	0.335	0.25	1	HC_vs_MS.NoTrt_B
SNIP1	0.0081	0.41407	0.659	0.6	1	HC_vs_MS.NoTrt_B
NSA2	0.0081	-0.4256	0.317	0.41	1	HC_vs_MS.NoTrt_B
APOBEC2	0.0081	-0.2917	0.049	0.1	1	HC_vs_MS.NoTrt_B
ZNF428	0.00813	-0.3192	0.157	0.23	1	HC_vs_MS.NoTrt_B
SYT12	0.00813	0.29188	0.716	0.72	1	HC_vs_MS.NoTrt_B
GGA3	0.00819	-0.332	0.139	0.22	1	HC_vs_MS.NoTrt_B
PRPF6	0.0082	-0.5455	0.18	0.26	1	HC_vs_MS.NoTrt_B
C9orf72	0.00823	-0.3974	0.094	0.16	1	HC_vs_MS.NoTrt_B
AICDA	0.00824	0.39034	0.604	0.54	1	HC_vs_MS.NoTrt_B
JOSD2	0.00825	-0.411	0.065	0.12	1	HC_vs_MS.NoTrt_B
SAT2	0.00825	-0.4229	0.086	0.15	1	HC_vs_MS.NoTrt_B
LSS	0.00828	-0.3049	0.078	0.14	1	HC_vs_MS.NoTrt_B
DSEL	0.00831	0.46028	0.657	0.6	1	HC_vs_MS.NoTrt_B
FCAR	0.00836	0.30641	0.87	0.87	1	HC_vs_MS.NoTrt_B
PAX5	0.00841	0.49237	0.119	0.05	1	HC_vs_MS.NoTrt_B
ABCF3	0.00845	-0.5987	0.129	0.2	1	HC_vs_MS.NoTrt_B
IZUMO2	0.00845	0.28362	0.897	0.93	1	HC_vs_MS.NoTrt_B
KLHL33	0.00848	0.41378	0.497	0.42	1	HC_vs_MS.NoTrt_B
MAB21L3	0.00856	0.75314	0.362	0.28	1	HC_vs_MS.NoTrt_B
EI24	0.00859	0.39026	0.736	0.72	1	HC_vs_MS.NoTrt_B
SCLY	0.00859	0.49441	0.958	0.96	1	HC_vs_MS.NoTrt_B
MRPS33	0.00866	0.29641	0.916	0.93	1	HC_vs_MS.NoTrt_B
BEST1	0.00872	0.89933	0.806	0.8	1	HC_vs_MS.NoTrt_B
DENND2C	0.00881	0.34851	0.751	0.73	1	HC_vs_MS.NoTrt_B
ZEB2	0.00881	0.36516	0.6	0.53	1	HC_vs_MS.NoTrt_B

NIPA1	0.00884	-0.4735	0.101	0.17	1	HC_vs_MS.NoTrt_B
OCLN	0.0089	0.73303	0.796	0.77	1	HC_vs_MS.NoTrt_B
ZNF619	0.00894	0.53285	0.716	0.7	1	HC_vs_MS.NoTrt_B
ADCY1	0.00896	0.38258	0.135	0.22	1	HC_vs_MS.NoTrt_B
OSBPL11	0.00904	-0.3151	0.054	0.11	1	HC_vs_MS.NoTrt_B
TMEM106B	0.00907	0.56203	0.888	0.89	1	HC_vs_MS.NoTrt_B
DENR	0.00907	0.27469	0.752	0.68	1	HC_vs_MS.NoTrt_B
MMP25	0.00908	1.0808	0.112	0.05	1	HC_vs_MS.NoTrt_B
IGF2R	0.00908	0.5916	0.401	0.32	1	HC_vs_MS.NoTrt_B
PDGFA	0.00909	0.66913	0.501	0.42	1	HC_vs_MS.NoTrt_B
FUT11	0.0091	0.52784	0.757	0.72	1	HC_vs_MS.NoTrt_B
OR52A1	0.00914	0.36632	0.749	0.72	1	HC_vs_MS.NoTrt_B
MOK	0.00923	0.27328	0.79	0.8	1	HC_vs_MS.NoTrt_B
GCNT4	0.00929	0.87284	0.475	0.43	1	HC_vs_MS.NoTrt_B
ZDHHC12	0.00931	-0.5727	0.096	0.16	1	HC_vs_MS.NoTrt_B
SLC25A25	0.0094	-0.3209	0.086	0.15	1	HC_vs_MS.NoTrt_B
CDK5RAP3	0.00943	-0.2832	0.581	0.69	1	HC_vs_MS.NoTrt_B
PSMA4	0.00944	-0.5267	0.349	0.43	1	HC_vs_MS.NoTrt_B
CHRNA7	0.00946	0.26603	0.794	0.78	1	HC_vs_MS.NoTrt_B
TUSC2	0.00946	-0.3958	0.062	0.12	1	HC_vs_MS.NoTrt_B
FGFR1	0.00949	0.5007	0.783	0.78	1	HC_vs_MS.NoTrt_B
POLK	0.00951	0.56084	0.842	0.79	1	HC_vs_MS.NoTrt_B
FAM234A	0.00956	-0.8955	0.196	0.28	1	HC_vs_MS.NoTrt_B
TLR6	0.00961	1.22441	0.303	0.22	1	HC_vs_MS.NoTrt_B
SLFN12L	0.00963	0.25096	0.835	0.81	1	HC_vs_MS.NoTrt_B
TUBGCP4	0.00966	0.53704	0.784	0.8	1	HC_vs_MS.NoTrt_B
ARMC2	0.00966	-0.3553	0.051	0.1	1	HC_vs_MS.NoTrt_B
REPS1	0.00967	0.75001	0.632	0.62	1	HC_vs_MS.NoTrt_B
DHRS4L2	0.00975	-0.2933	0.142	0.22	1	HC_vs_MS.NoTrt_B
IKZF5	0.00981	0.52621	0.158	0.25	1	HC_vs_MS.NoTrt_B
ISG20L2	0.00982	0.49235	0.803	0.78	1	HC_vs_MS.NoTrt_B
FRMPD1	0.00983	0.28763	0.83	0.85	1	HC_vs_MS.NoTrt_B
LYPD5	0.00986	0.40483	0.699	0.71	1	HC_vs_MS.NoTrt_B
RGPD5	0.00988	0.76576	0.816	0.83	1	HC_vs_MS.NoTrt_B
TMEM236	0.0099	0.4642	0.73	0.71	1	HC_vs_MS.NoTrt_B
CYTH2	0.00993	-0.2504	0.591	0.75	1	HC_vs_MS.NoTrt_B
ARPIN	0.00993	0.29685	0.87	0.85	1	HC_vs_MS.NoTrt_B
ACSS2	0.00998	1.7802	0.549	0.5	1	HC_vs_MS.NoTrt_B
TUBA4A	0.01001	-0.3214	0.22	0.31	1	HC_vs_MS.NoTrt_B
SLC18B1	0.01002	-0.6767	0.055	0.11	1	HC_vs_MS.NoTrt_B

AKAP8L	0.01003	-0.4326	0.059	0.11	1	HC_vs_MS.NoTrt_B
HIST1H2BN	0.01008	0.27795	0.652	0.59	1	HC_vs_MS.NoTrt_B
FIS1	0.01008	-0.398	0.235	0.32	1	HC_vs_MS.NoTrt_B
C16orf72	0.0101	0.70576	0.826	0.82	1	HC_vs_MS.NoTrt_B
ZNF578	0.01011	0.39501	0.939	0.94	1	HC_vs_MS.NoTrt_B
MIA2	0.01014	0.34119	0.38	0.3	1	HC_vs_MS.NoTrt_B
ANAPC5	0.01026	-0.2869	0.946	0.98	1	HC_vs_MS.NoTrt_B
HIF3A	0.01027	0.30915	0.864	0.84	1	HC_vs_MS.NoTrt_B
ZNF480	0.01028	1.23772	0.722	0.72	1	HC_vs_MS.NoTrt_B
REL	0.01039	0.29628	0.954	0.95	1	HC_vs_MS.NoTrt_B
KIAA1456	0.01043	0.26345	0.903	0.92	1	HC_vs_MS.NoTrt_B
CSNK2A2	0.01045	-0.4035	0.27	0.35	1	HC_vs_MS.NoTrt_B
TRPM7	0.01048	0.26945	0.92	0.9	1	HC_vs_MS.NoTrt_B
RP11-411B6	0.01049	0.59922	0.219	0.32	1	HC_vs_MS.NoTrt_B
ADH1B	0.01049	0.38225	0.322	0.25	1	HC_vs_MS.NoTrt_B
AGO3	0.01052	0.64197	0.965	0.96	1	HC_vs_MS.NoTrt_B
FAM111B	0.01052	0.35158	0.572	0.55	1	HC_vs_MS.NoTrt_B
RPGRIP1L	0.01053	0.2587	0.722	0.7	1	HC_vs_MS.NoTrt_B
ORMDL3	0.01062	-0.393	0.091	0.16	1	HC_vs_MS.NoTrt_B
RUVBL1	0.01072	0.57655	0.643	0.58	1	HC_vs_MS.NoTrt_B
HLA-DQB1	0.01072	-0.5362	0.546	0.65	1	HC_vs_MS.NoTrt_B
LIX1L	0.01075	0.59315	0.775	0.76	1	HC_vs_MS.NoTrt_B
LIPA	0.01076	-0.3621	0.262	0.35	1	HC_vs_MS.NoTrt_B
A2M	0.01078	0.73998	0.126	0.06	1	HC_vs_MS.NoTrt_B
PTPRB	0.01085	0.38281	0.514	0.46	1	HC_vs_MS.NoTrt_B
PIH1D1	0.01086	-0.4144	0.245	0.32	1	HC_vs_MS.NoTrt_B
DDIT4	0.01087	-0.3991	0.132	0.21	1	HC_vs_MS.NoTrt_B
TOR2A	0.01095	-0.5647	0.052	0.1	1	HC_vs_MS.NoTrt_B
KCNK6	0.01098	0.51298	0.959	0.96	1	HC_vs_MS.NoTrt_B
CA5B	0.01098	0.60786	0.872	0.89	1	HC_vs_MS.NoTrt_B
PLA2G4C	0.01107	0.27238	0.938	0.95	1	HC_vs_MS.NoTrt_B
GNG10	0.01109	-0.2956	0.11	0.18	1	HC_vs_MS.NoTrt_B
SGK3	0.01109	0.38429	0.906	0.89	1	HC_vs_MS.NoTrt_B
IQGAP1	0.01112	-0.3118	0.791	0.91	1	HC_vs_MS.NoTrt_B
GNB4	0.01113	0.46274	0.791	0.77	1	HC_vs_MS.NoTrt_B
PIGW	0.01114	0.73937	0.459	0.38	1	HC_vs_MS.NoTrt_B
C4BPB	0.01115	0.44509	0.78	0.82	1	HC_vs_MS.NoTrt_B
AFF3	0.01118	1.25058	0.748	0.73	1	HC_vs_MS.NoTrt_B
AP1B1	0.01129	-0.5555	0.145	0.22	1	HC_vs_MS.NoTrt_B
CLEC18A	0.01129	0.72485	0.281	0.38	1	HC_vs_MS.NoTrt_B

PPA2	0.01133	-0.3172	0.633	0.74	1	HC_vs_MS.NoTrt_B
KIR3DX1	0.01133	0.27268	0.861	0.91	1	HC_vs_MS.NoTrt_B
PRDX3	0.01134	-0.2639	0.409	0.51	1	HC_vs_MS.NoTrt_B
FOXL2NB	0.01134	0.43764	0.726	0.7	1	HC_vs_MS.NoTrt_B
IFT122	0.01135	0.61539	0.862	0.88	1	HC_vs_MS.NoTrt_B
MCRIP1	0.01143	-0.3217	0.381	0.48	1	HC_vs_MS.NoTrt_B
MED6	0.01144	0.33549	0.571	0.48	1	HC_vs_MS.NoTrt_B
SPIB	0.01145	0.32299	0.822	0.85	1	HC_vs_MS.NoTrt_B
IL15RA	0.01149	-0.6522	0.072	0.13	1	HC_vs_MS.NoTrt_B
RNF115	0.01152	0.31776	0.964	0.98	1	HC_vs_MS.NoTrt_B
ZNF333	0.01152	0.31508	0.9	0.89	1	HC_vs_MS.NoTrt_B
RTEL1	0.01157	-0.4043	0.072	0.13	1	HC_vs_MS.NoTrt_B
STIL	0.01157	0.42101	0.607	0.55	1	HC_vs_MS.NoTrt_B
CYB561D1	0.01158	0.32649	0.461	0.37	1	HC_vs_MS.NoTrt_B
ERGIC3	0.01164	-0.5607	0.803	0.87	1	HC_vs_MS.NoTrt_B
GLTSCR1L	0.01165	-0.3245	0.149	0.23	1	HC_vs_MS.NoTrt_B
KPNA2	0.01169	-0.7324	0.072	0.13	1	HC_vs_MS.NoTrt_B
ARRB2	0.01169	0.36641	0.771	0.71	1	HC_vs_MS.NoTrt_B
AGTRAP	0.01169	-0.6174	0.077	0.14	1	HC_vs_MS.NoTrt_B
ZC3H6	0.01172	0.57037	0.794	0.83	1	HC_vs_MS.NoTrt_B
FAHD2A	0.01174	0.45438	0.154	0.24	1	HC_vs_MS.NoTrt_B
IRF2BP2	0.01176	0.83208	0.197	0.12	1	HC_vs_MS.NoTrt_B
ANXA2R	0.01177	-0.3672	0.178	0.26	1	HC_vs_MS.NoTrt_B
COG2	0.01195	-0.2619	0.286	0.38	1	HC_vs_MS.NoTrt_B
AGRN	0.01199	0.50723	0.335	0.26	1	HC_vs_MS.NoTrt_B
SNRPA1	0.01205	-0.2697	0.652	0.73	1	HC_vs_MS.NoTrt_B
ADGRD2	0.0121	0.32866	0.754	0.76	1	HC_vs_MS.NoTrt_B
ZNF841	0.01213	0.87687	0.504	0.45	1	HC_vs_MS.NoTrt_B
KLRK1	0.01214	0.56239	0.643	0.62	1	HC_vs_MS.NoTrt_B
SMYD2	0.01214	-0.4583	0.139	0.21	1	HC_vs_MS.NoTrt_B
NALCN	0.01224	0.28328	0.558	0.45	1	HC_vs_MS.NoTrt_B
C1orf43	0.01224	-0.3501	0.512	0.62	1	HC_vs_MS.NoTrt_B
VWA2	0.01226	0.30818	0.725	0.68	1	HC_vs_MS.NoTrt_B
RNF126	0.01231	-0.2551	0.18	0.26	1	HC_vs_MS.NoTrt_B
ECHS1	0.01231	-0.4764	0.093	0.16	1	HC_vs_MS.NoTrt_B
INPP5K	0.01235	-0.6957	0.458	0.55	1	HC_vs_MS.NoTrt_B
UBR5	0.01237	0.57179	0.816	0.81	1	HC_vs_MS.NoTrt_B
USMG5	0.01245	-0.3461	0.188	0.28	1	HC_vs_MS.NoTrt_B
CLDN19	0.01246	-0.3924	0.183	0.28	1	HC_vs_MS.NoTrt_B
HTRA2	0.01248	-0.286	0.088	0.15	1	HC_vs_MS.NoTrt_B

EPHA1	0.01251	-0.3369	0.328	0.43	1	HC_vs_MS.NoTrt_B
PPM1F	0.01254	0.73666	0.796	0.81	1	HC_vs_MS.NoTrt_B
TRAPPC4	0.01256	0.50064	0.903	0.92	1	HC_vs_MS.NoTrt_B
U2AF1L5	0.0126	-0.316	0.632	0.7	1	HC_vs_MS.NoTrt_B
RGS12	0.01261	0.95106	0.823	0.84	1	HC_vs_MS.NoTrt_B
BOLA2B	0.01266	0.32009	0.094	0.16	1	HC_vs_MS.NoTrt_B
DDX27	0.01267	-0.2654	0.58	0.68	1	HC_vs_MS.NoTrt_B
IFT22	0.01268	0.33877	0.964	0.94	1	HC_vs_MS.NoTrt_B
TCF7L1	0.01269	0.39815	0.655	0.61	1	HC_vs_MS.NoTrt_B
LAS1L	0.01272	-0.4267	0.125	0.2	1	HC_vs_MS.NoTrt_B
CEP112	0.01272	0.27826	0.933	0.91	1	HC_vs_MS.NoTrt_B
BIRC2	0.01275	0.32392	0.133	0.21	1	HC_vs_MS.NoTrt_B
CXCR4	0.01286	0.97128	0.188	0.11	1	HC_vs_MS.NoTrt_B
GGT5	0.01288	0.3147	0.659	0.62	1	HC_vs_MS.NoTrt_B
HNRNPH3	0.0129	-0.2872	0.291	0.38	1	HC_vs_MS.NoTrt_B
CREG2	0.01294	0.50122	0.677	0.63	1	HC_vs_MS.NoTrt_B
PCDHB11	0.01296	0.3189	0.642	0.6	1	HC_vs_MS.NoTrt_B
FAXDC2	0.01306	0.53619	0.839	0.85	1	HC_vs_MS.NoTrt_B
LIMK2	0.01308	-0.2849	0.201	0.29	1	HC_vs_MS.NoTrt_B
ARF6	0.01312	0.33887	0.535	0.64	1	HC_vs_MS.NoTrt_B
CYP3A43	0.01313	0.33928	0.696	0.71	1	HC_vs_MS.NoTrt_B
MXRA7	0.01318	0.79826	0.78	0.79	1	HC_vs_MS.NoTrt_B
CGRRF1	0.01325	-0.3885	0.257	0.35	1	HC_vs_MS.NoTrt_B
AMACR	0.0133	-1.1905	0.052	0.1	1	HC_vs_MS.NoTrt_B
EVI5	0.01346	0.47732	0.828	0.81	1	HC_vs_MS.NoTrt_B
C12orf76	0.01347	0.27792	0.952	0.96	1	HC_vs_MS.NoTrt_B
ADAMTS4	0.01349	0.51984	0.896	0.91	1	HC_vs_MS.NoTrt_B
BANF1	0.01363	-0.3347	0.181	0.27	1	HC_vs_MS.NoTrt_B
SRCIN1	0.01367	0.35724	0.516	0.45	1	HC_vs_MS.NoTrt_B
POLA2	0.01368	-0.4216	0.597	0.7	1	HC_vs_MS.NoTrt_B
PHLDA3	0.01373	-0.3187	0.303	0.41	1	HC_vs_MS.NoTrt_B
RABGGTA	0.01374	-0.4476	0.099	0.16	1	HC_vs_MS.NoTrt_B
CCR4	0.01375	-0.3374	0.861	0.91	1	HC_vs_MS.NoTrt_B
USP49	0.0138	0.56559	0.694	0.65	1	HC_vs_MS.NoTrt_B
CHMP4A	0.01385	-0.4054	0.629	0.69	1	HC_vs_MS.NoTrt_B
NDUFV3	0.0139	0.36916	0.954	0.97	1	HC_vs_MS.NoTrt_B
UBE2F	0.01392	-0.3813	0.661	0.76	1	HC_vs_MS.NoTrt_B
TPCN2	0.01396	0.55847	0.619	0.57	1	HC_vs_MS.NoTrt_B
VGLL4	0.01402	0.45024	0.941	0.95	1	HC_vs_MS.NoTrt_B
GPR1	0.01422	0.35065	0.243	0.16	1	HC_vs_MS.NoTrt_B



ZNF611	0.01429	0.48286	0.951	0.96	1	HC_vs_MS.NoTrt_B
ABCF2	0.01433	-0.2505	0.226	0.32	1	HC_vs_MS.NoTrt_B
PRKAA1	0.01434	0.48109	0.891	0.9	1	HC_vs_MS.NoTrt_B
NCOR2	0.01436	0.52094	0.404	0.31	1	HC_vs_MS.NoTrt_B
SPATA17	0.01443	0.32706	0.613	0.56	1	HC_vs_MS.NoTrt_B
SART3	0.01461	-0.2626	0.138	0.21	1	HC_vs_MS.NoTrt_B
MINPP1	0.01461	-0.4172	0.072	0.13	1	HC_vs_MS.NoTrt_B
LILRA6	0.01463	0.29613	0.523	0.44	1	HC_vs_MS.NoTrt_B
PSEN1	0.01464	-0.4018	0.68	0.77	1	HC_vs_MS.NoTrt_B
PTGIS	0.01464	0.30814	0.667	0.64	1	HC_vs_MS.NoTrt_B
ZNF483	0.01469	0.65352	0.826	0.84	1	HC_vs_MS.NoTrt_B
COL1A1	0.0147	0.49846	0.497	0.45	1	HC_vs_MS.NoTrt_B
AKAP6	0.01473	0.4557	0.697	0.63	1	HC_vs_MS.NoTrt_B
CHD6	0.01475	-0.3726	0.183	0.27	1	HC_vs_MS.NoTrt_B
CHMP1A	0.01477	-0.4324	0.172	0.25	1	HC_vs_MS.NoTrt_B
PSMD13	0.01481	-0.3803	0.52	0.62	1	HC_vs_MS.NoTrt_B
KRCC1	0.01481	-0.4837	0.099	0.16	1	HC_vs_MS.NoTrt_B
CRISPLD2	0.01484	0.3229	0.772	0.8	1	HC_vs_MS.NoTrt_B
ALDH1L1	0.01488	0.31072	0.583	0.54	1	HC_vs_MS.NoTrt_B
FER	0.0149	1.46334	0.504	0.46	1	HC_vs_MS.NoTrt_B
ZNF724	0.01493	0.59521	0.899	0.92	1	HC_vs_MS.NoTrt_B
TCF4	0.01494	0.62374	0.697	0.67	1	HC_vs_MS.NoTrt_B
STAMBP	0.01499	-0.2585	0.112	0.18	1	HC_vs_MS.NoTrt_B
ZNF385C	0.01501	0.27154	0.581	0.52	1	HC_vs_MS.NoTrt_B
TLR5	0.01528	1.14705	0.636	0.61	1	HC_vs_MS.NoTrt_B
TRABD2A	0.01544	0.49307	0.833	0.79	1	HC_vs_MS.NoTrt_B
MIF4GD	0.01547	-0.3582	0.09	0.15	1	HC_vs_MS.NoTrt_B
CXCR3	0.0155	-0.3751	0.103	0.17	1	HC_vs_MS.NoTrt_B
SEC24B	0.01554	0.29573	0.494	0.63	1	HC_vs_MS.NoTrt_B
SIM1	0.0156	0.52697	0.261	0.18	1	HC_vs_MS.NoTrt_B
TPD52L2	0.01561	-0.5328	0.201	0.28	1	HC_vs_MS.NoTrt_B
MCM5	0.01574	-0.6709	0.164	0.23	1	HC_vs_MS.NoTrt_B
NICN1	0.01576	0.5794	0.77	0.73	1	HC_vs_MS.NoTrt_B
SLC16A6	0.01578	0.29996	0.242	0.34	1	HC_vs_MS.NoTrt_B
QDPR	0.01592	-0.7512	0.058	0.11	1	HC_vs_MS.NoTrt_B
TMEM127	0.01593	0.70143	0.691	0.63	1	HC_vs_MS.NoTrt_B
NPIP5	0.01594	0.54502	0.926	0.95	1	HC_vs_MS.NoTrt_B
C4orf36	0.01596	0.45106	0.838	0.89	1	HC_vs_MS.NoTrt_B
DSN1	0.016	-0.4962	0.225	0.31	1	HC_vs_MS.NoTrt_B
HVCN1	0.01609	0.70045	0.501	0.42	1	HC_vs_MS.NoTrt_B

TMEM167A	0.01609	-0.3367	0.329	0.43	1	HC_vs_MS.NoTrt_B
DAND5	0.01611	0.36145	0.749	0.69	1	HC_vs_MS.NoTrt_B
COA7	0.01616	0.28643	0.871	0.86	1	HC_vs_MS.NoTrt_B
RP11-343C2	0.01618	-0.3868	0.112	0.18	1	HC_vs_MS.NoTrt_B
TMEM35B	0.0162	-0.5814	0.152	0.23	1	HC_vs_MS.NoTrt_B
TIPARP	0.01622	-0.3723	0.062	0.11	1	HC_vs_MS.NoTrt_B
SLC25A5	0.01623	-0.2981	0.278	0.37	1	HC_vs_MS.NoTrt_B
FLRT2	0.01626	0.26023	0.92	0.9	1	HC_vs_MS.NoTrt_B
PNPLA1	0.01637	0.62558	0.309	0.23	1	HC_vs_MS.NoTrt_B
PPCDC	0.01641	-0.2965	0.058	0.11	1	HC_vs_MS.NoTrt_B
BAIAP2L1	0.01647	0.47042	0.533	0.46	1	HC_vs_MS.NoTrt_B
FBN1	0.01652	0.39578	0.416	0.35	1	HC_vs_MS.NoTrt_B
ZNF570	0.01652	0.47346	0.78	0.75	1	HC_vs_MS.NoTrt_B
FAM117B	0.01662	0.90262	0.449	0.37	1	HC_vs_MS.NoTrt_B
FAM221A	0.01672	0.3037	0.961	0.96	1	HC_vs_MS.NoTrt_B
PEF1	0.01683	-0.405	0.128	0.2	1	HC_vs_MS.NoTrt_B
AK3	0.01684	0.40028	0.464	0.38	1	HC_vs_MS.NoTrt_B
RTF1	0.01687	-0.5348	0.557	0.64	1	HC_vs_MS.NoTrt_B
LRRC56	0.01691	0.39307	0.38	0.29	1	HC_vs_MS.NoTrt_B
SCRN3	0.01697	-0.4021	0.426	0.51	1	HC_vs_MS.NoTrt_B
CISD2	0.01709	0.59593	0.439	0.53	1	HC_vs_MS.NoTrt_B
VPS13C	0.0171	0.26561	0.751	0.85	1	HC_vs_MS.NoTrt_B
MICAL1	0.01711	-0.3861	0.219	0.3	1	HC_vs_MS.NoTrt_B
DCTN3	0.01725	-0.4993	0.361	0.45	1	HC_vs_MS.NoTrt_B
RP11-722G7	0.01729	0.55867	0.438	0.33	1	HC_vs_MS.NoTrt_B
XXYLT1	0.01733	-1.4796	0.183	0.25	1	HC_vs_MS.NoTrt_B
EIF5A2	0.01735	0.44178	0.296	0.39	1	HC_vs_MS.NoTrt_B
ATM	0.01739	0.75435	0.952	0.98	1	HC_vs_MS.NoTrt_B
TF	0.01742	0.41069	0.888	0.91	1	HC_vs_MS.NoTrt_B
NRF1	0.01742	-0.4535	0.29	0.38	1	HC_vs_MS.NoTrt_B
SAMD4B	0.01747	0.79822	0.842	0.85	1	HC_vs_MS.NoTrt_B
DDT	0.01755	-0.4827	0.132	0.2	1	HC_vs_MS.NoTrt_B
ITGA3	0.01755	0.42148	0.754	0.7	1	HC_vs_MS.NoTrt_B
ERGIC2	0.01757	0.33996	0.471	0.58	1	HC_vs_MS.NoTrt_B
CCR7	0.01761	0.5033	0.613	0.57	1	HC_vs_MS.NoTrt_B
PRKAG2	0.01763	-0.5258	0.299	0.39	1	HC_vs_MS.NoTrt_B
GCNT3	0.01785	0.33041	0.877	0.86	1	HC_vs_MS.NoTrt_B
DDX17	0.01786	0.45022	0.907	0.95	1	HC_vs_MS.NoTrt_B
KMT2D	0.01806	0.71514	0.855	0.83	1	HC_vs_MS.NoTrt_B
CLCN7	0.01813	0.32075	0.284	0.4	1	HC_vs_MS.NoTrt_B

SERTAD1	0.01815	0.91301	0.339	0.25	1	HC_vs_MS.NoTrt_B
XAB2	0.01816	0.41709	0.228	0.32	1	HC_vs_MS.NoTrt_B
CEACAM8	0.01816	0.37794	0.504	0.44	1	HC_vs_MS.NoTrt_B
SULT1A3	0.01821	-0.5439	0.606	0.63	1	HC_vs_MS.NoTrt_B
RFTN2	0.01827	0.36776	0.68	0.62	1	HC_vs_MS.NoTrt_B
KCNA3	0.01827	-0.3848	0.168	0.24	1	HC_vs_MS.NoTrt_B
CDC123	0.01833	-0.2717	0.188	0.27	1	HC_vs_MS.NoTrt_B
CDK10	0.01848	0.58225	0.91	0.92	1	HC_vs_MS.NoTrt_B
PCBD1	0.0186	-0.3935	0.062	0.11	1	HC_vs_MS.NoTrt_B
TNFRSF18	0.01865	-0.6705	0.067	0.12	1	HC_vs_MS.NoTrt_B
LDHA	0.01871	-0.3985	0.732	0.76	1	HC_vs_MS.NoTrt_B
MPLKIP	0.01876	0.39628	0.941	0.96	1	HC_vs_MS.NoTrt_B
LGR6	0.01878	0.31948	0.178	0.11	1	HC_vs_MS.NoTrt_B
LAT2	0.01883	0.48144	0.854	0.84	1	HC_vs_MS.NoTrt_B
DPH1	0.01893	0.25935	0.855	0.81	1	HC_vs_MS.NoTrt_B
VPS53	0.01894	0.25865	0.941	0.95	1	HC_vs_MS.NoTrt_B
PCDHA10	0.01897	0.25793	0.538	0.45	1	HC_vs_MS.NoTrt_B
PTPN23	0.01909	1.53678	0.142	0.08	1	HC_vs_MS.NoTrt_B
AHR	0.01914	0.44484	0.607	0.51	1	HC_vs_MS.NoTrt_B
INO80	0.01927	-0.5133	0.075	0.13	1	HC_vs_MS.NoTrt_B
FAM153A	0.0194	-0.2973	0.452	0.54	1	HC_vs_MS.NoTrt_B
SEMA5A	0.01942	0.33672	0.39	0.31	1	HC_vs_MS.NoTrt_B
ZBTB40	0.01948	0.30486	0.365	0.45	1	HC_vs_MS.NoTrt_B
CDH1	0.01957	0.27737	0.728	0.7	1	HC_vs_MS.NoTrt_B
ZNF638	0.01957	0.86454	0.388	0.31	1	HC_vs_MS.NoTrt_B
IFT88	0.0196	-0.3873	0.549	0.47	1	HC_vs_MS.NoTrt_B
RAET1E	0.01961	0.41944	0.307	0.23	1	HC_vs_MS.NoTrt_B
CPM	0.01968	0.52184	0.803	0.8	1	HC_vs_MS.NoTrt_B
FAM120A	0.01971	0.89573	0.158	0.09	1	HC_vs_MS.NoTrt_B
RPS6KB1	0.01974	0.35194	0.839	0.82	1	HC_vs_MS.NoTrt_B
GK	0.0198	-0.8257	0.126	0.19	1	HC_vs_MS.NoTrt_B
ENAH	0.01981	0.31129	0.687	0.66	1	HC_vs_MS.NoTrt_B
CCT8	0.01988	-0.2636	0.21	0.29	1	HC_vs_MS.NoTrt_B
GNL3	0.01991	-0.394	0.093	0.15	1	HC_vs_MS.NoTrt_B
ZNF317	0.01991	-0.323	0.088	0.15	1	HC_vs_MS.NoTrt_B
RNF222	0.01991	0.39363	0.401	0.33	1	HC_vs_MS.NoTrt_B
RHBDD3	0.01997	0.74832	0.467	0.39	1	HC_vs_MS.NoTrt_B
NEURL1	0.01998	0.68229	0.3	0.22	1	HC_vs_MS.NoTrt_B
PMS1	0.02001	0.37803	0.564	0.67	1	HC_vs_MS.NoTrt_B
ALG10	0.02004	0.36818	0.055	0.1	1	HC_vs_MS.NoTrt_B

STEAP2	0.02009	0.34584	0.68	0.69	1	HC_vs_MS.NoTrt_B
IFRD2	0.02014	-0.4762	0.084	0.14	1	HC_vs_MS.NoTrt_B
POU2AF1	0.02015	0.59235	0.694	0.7	1	HC_vs_MS.NoTrt_B
ATP1B1	0.02017	-0.6339	0.161	0.23	1	HC_vs_MS.NoTrt_B
UBL3	0.0202	-0.2965	0.165	0.24	1	HC_vs_MS.NoTrt_B
CDC27	0.0202	-0.5272	0.438	0.51	1	HC_vs_MS.NoTrt_B
FBXO4	0.02031	-0.2906	0.201	0.28	1	HC_vs_MS.NoTrt_B
VEZT	0.02048	-0.326	0.742	0.7	1	HC_vs_MS.NoTrt_B
LENG8	0.0205	0.63542	0.741	0.75	1	HC_vs_MS.NoTrt_B
PANK1	0.02064	0.37429	0.452	0.41	1	HC_vs_MS.NoTrt_B
CATSPERB	0.02097	0.58202	0.622	0.58	1	HC_vs_MS.NoTrt_B
MTMR14	0.02098	-0.3807	0.571	0.69	1	HC_vs_MS.NoTrt_B
DDX42	0.02123	0.50943	0.339	0.45	1	HC_vs_MS.NoTrt_B
PDE4DIP	0.02134	0.27741	0.864	0.89	1	HC_vs_MS.NoTrt_B
MAGI2	0.02135	0.28673	0.787	0.78	1	HC_vs_MS.NoTrt_B
ARHGAP19	0.02136	-0.4785	0.27	0.36	1	HC_vs_MS.NoTrt_B
TDRD12	0.02143	1.00847	0.48	0.42	1	HC_vs_MS.NoTrt_B
FOPNL	0.02146	0.55785	0.594	0.52	1	HC_vs_MS.NoTrt_B
TPH2	0.02147	0.40227	0.632	0.61	1	HC_vs_MS.NoTrt_B
PLK5	0.02156	0.65115	0.528	0.47	1	HC_vs_MS.NoTrt_B
ZNF512	0.02157	-0.4177	0.117	0.18	1	HC_vs_MS.NoTrt_B
TC2N	0.02161	-0.4019	0.174	0.24	1	HC_vs_MS.NoTrt_B
EFCAB11	0.02165	0.37819	0.813	0.8	1	HC_vs_MS.NoTrt_B
ZNF584	0.02165	0.52571	0.665	0.65	1	HC_vs_MS.NoTrt_B
CNTNAP3	0.02169	0.3975	0.593	0.54	1	HC_vs_MS.NoTrt_B
ARFGAP3	0.02175	-0.3476	0.322	0.42	1	HC_vs_MS.NoTrt_B
TRUB2	0.02177	-0.282	0.955	0.98	1	HC_vs_MS.NoTrt_B
TEX9	0.02182	0.41732	0.752	0.77	1	HC_vs_MS.NoTrt_B
TSPAN17	0.02182	-0.3232	0.064	0.11	1	HC_vs_MS.NoTrt_B
PGD	0.02183	-1.0513	0.078	0.13	1	HC_vs_MS.NoTrt_B
RNF6	0.02189	-0.5149	0.155	0.22	1	HC_vs_MS.NoTrt_B
MLLT6	0.02191	0.50404	0.91	0.89	1	HC_vs_MS.NoTrt_B
GZMM	0.02193	-0.3558	0.11	0.17	1	HC_vs_MS.NoTrt_B
ACVR2B	0.022	0.40771	0.383	0.49	1	HC_vs_MS.NoTrt_B
NIPAL1	0.02204	0.44661	0.41	0.36	1	HC_vs_MS.NoTrt_B
NQO2	0.0221	0.26002	0.78	0.77	1	HC_vs_MS.NoTrt_B
IGSF1	0.02225	0.39138	0.388	0.31	1	HC_vs_MS.NoTrt_B
ZNF99	0.02232	0.27633	0.529	0.46	1	HC_vs_MS.NoTrt_B
ASB7	0.02233	-0.4111	0.064	0.11	1	HC_vs_MS.NoTrt_B
FAM227A	0.0224	0.2933	0.909	0.92	1	HC_vs_MS.NoTrt_B

TRADD	0.02248	-0.4026	0.133	0.2	1	HC_vs_MS.NoTrt_B
SLC2A8	0.02272	-0.5582	0.259	0.35	1	HC_vs_MS.NoTrt_B
FCER1G	0.02273	0.42889	0.674	0.62	1	HC_vs_MS.NoTrt_B
TMEM120B	0.02274	0.28044	0.972	0.97	1	HC_vs_MS.NoTrt_B
ANKRD16	0.02285	0.39364	0.429	0.36	1	HC_vs_MS.NoTrt_B
FAM83A	0.02286	0.27883	0.199	0.13	1	HC_vs_MS.NoTrt_B
ATP9B	0.02292	0.44028	0.909	0.93	1	HC_vs_MS.NoTrt_B
HNMT	0.02293	0.30682	0.796	0.81	1	HC_vs_MS.NoTrt_B
DOC2A	0.02294	0.3511	0.475	0.43	1	HC_vs_MS.NoTrt_B
TRIP13	0.02302	0.40523	0.543	0.49	1	HC_vs_MS.NoTrt_B
MSRA	0.02321	0.48785	0.239	0.17	1	HC_vs_MS.NoTrt_B
RSPH10B	0.02326	0.3604	0.603	0.52	1	HC_vs_MS.NoTrt_B
UBLCP1	0.02336	-0.5076	0.148	0.21	1	HC_vs_MS.NoTrt_B
NBPF19	0.02337	0.71218	0.446	0.36	1	HC_vs_MS.NoTrt_B
YIPF1	0.02341	-0.6199	0.07	0.12	1	HC_vs_MS.NoTrt_B
MRPS12	0.02342	-0.4176	0.371	0.47	1	HC_vs_MS.NoTrt_B
COPS3	0.02343	-0.3566	0.22	0.29	1	HC_vs_MS.NoTrt_B
SH3BP5	0.0235	0.38253	0.801	0.75	1	HC_vs_MS.NoTrt_B
PPIL6	0.02351	0.34568	0.497	0.45	1	HC_vs_MS.NoTrt_B
CATSPER2	0.02353	0.47503	0.771	0.71	1	HC_vs_MS.NoTrt_B
NCBP3	0.02356	0.43521	0.877	0.9	1	HC_vs_MS.NoTrt_B
ARNTL	0.02363	-0.4416	0.191	0.26	1	HC_vs_MS.NoTrt_B
NCKAP1L	0.02379	-0.314	0.761	0.8	1	HC_vs_MS.NoTrt_B
BPIFB1	0.02381	0.39813	0.507	0.44	1	HC_vs_MS.NoTrt_B
NOTCH3	0.02388	0.33292	0.549	0.47	1	HC_vs_MS.NoTrt_B
HSPG2	0.02389	-0.266	0.335	0.26	1	HC_vs_MS.NoTrt_B
SMAD9	0.02395	-0.4045	0.29	0.37	1	HC_vs_MS.NoTrt_B
PQBP1	0.02398	-0.3775	0.135	0.2	1	HC_vs_MS.NoTrt_B
AS3MT	0.02401	0.41178	0.772	0.71	1	HC_vs_MS.NoTrt_B
MIB1	0.02402	0.84573	0.101	0.16	1	HC_vs_MS.NoTrt_B
E2F3	0.02405	0.38927	0.125	0.2	1	HC_vs_MS.NoTrt_B
AL592183.1	0.02413	-0.4574	0.078	0.13	1	HC_vs_MS.NoTrt_B
SMG8	0.02415	-0.4043	0.078	0.13	1	HC_vs_MS.NoTrt_B
TEX261	0.02416	-0.3147	0.057	0.1	1	HC_vs_MS.NoTrt_B
STARD5	0.02417	1.49153	0.114	0.06	1	HC_vs_MS.NoTrt_B
CDH13	0.02417	0.31211	0.732	0.73	1	HC_vs_MS.NoTrt_B
TNFSF15	0.02419	0.275	0.583	0.49	1	HC_vs_MS.NoTrt_B
ASAH1	0.02421	-0.3231	0.678	0.76	1	HC_vs_MS.NoTrt_B
ABCC3	0.02421	0.42319	0.804	0.79	1	HC_vs_MS.NoTrt_B
PROCR	0.02422	0.34031	0.839	0.84	1	HC_vs_MS.NoTrt_B

ZNF677	0.02426	0.33807	0.794	0.76	1	HC_vs_MS.NoTrt_B
LMNA	0.02428	-0.6111	0.486	0.56	1	HC_vs_MS.NoTrt_B
CCDC180	0.0244	0.39322	0.757	0.7	1	HC_vs_MS.NoTrt_B
ATP5G3	0.02441	-0.2613	0.343	0.42	1	HC_vs_MS.NoTrt_B
KCTD19	0.0246	0.33841	0.743	0.69	1	HC_vs_MS.NoTrt_B
KMT2B	0.02462	0.6801	0.29	0.22	1	HC_vs_MS.NoTrt_B
ARPC1A	0.02476	-0.7879	0.23	0.3	1	HC_vs_MS.NoTrt_B
C2	0.02489	0.53669	0.696	0.68	1	HC_vs_MS.NoTrt_B
C6orf203	0.0249	0.64969	0.599	0.54	1	HC_vs_MS.NoTrt_B
TMEM69	0.0249	-0.4481	0.197	0.28	1	HC_vs_MS.NoTrt_B
ZNF451	0.02505	0.44665	0.758	0.71	1	HC_vs_MS.NoTrt_B
CDK13	0.02506	0.2767	0.825	0.83	1	HC_vs_MS.NoTrt_B
PSMA5	0.02507	-0.2517	0.232	0.31	1	HC_vs_MS.NoTrt_B
ARHGAP28	0.02509	0.29076	0.845	0.85	1	HC_vs_MS.NoTrt_B
RRBP1	0.0251	0.68974	0.213	0.3	1	HC_vs_MS.NoTrt_B
ITGA11	0.02511	0.41049	0.619	0.63	1	HC_vs_MS.NoTrt_B
DNAAF5	0.02515	0.98781	0.19	0.12	1	HC_vs_MS.NoTrt_B
SMIM8	0.02528	0.51333	0.599	0.52	1	HC_vs_MS.NoTrt_B
SPDYA	0.02532	0.56868	0.059	0.11	1	HC_vs_MS.NoTrt_B
IFIT1	0.02536	0.5596	0.257	0.18	1	HC_vs_MS.NoTrt_B
SPINT2	0.0254	-0.3903	0.526	0.44	1	HC_vs_MS.NoTrt_B
CHMP5	0.02544	-0.3249	0.094	0.15	1	HC_vs_MS.NoTrt_B
GADD45B	0.02551	-0.8596	0.075	0.12	1	HC_vs_MS.NoTrt_B
TMC7	0.02552	0.34933	0.72	0.72	1	HC_vs_MS.NoTrt_B
ACBD7	0.02553	0.27207	0.836	0.84	1	HC_vs_MS.NoTrt_B
SDC3	0.0256	0.50248	0.268	0.18	1	HC_vs_MS.NoTrt_B
VIMP	0.02573	-0.5957	0.091	0.15	1	HC_vs_MS.NoTrt_B
ZNF843	0.02574	0.27098	0.693	0.62	1	HC_vs_MS.NoTrt_B
C4orf19	0.02581	0.33299	0.742	0.76	1	HC_vs_MS.NoTrt_B
ARHGDI1	0.02597	0.29029	0.357	0.49	1	HC_vs_MS.NoTrt_B
METTL16	0.02602	0.73861	0.759	0.69	1	HC_vs_MS.NoTrt_B
ZC3H12A	0.02603	-0.4067	0.096	0.15	1	HC_vs_MS.NoTrt_B
HTN3	0.02617	0.3979	0.614	0.58	1	HC_vs_MS.NoTrt_B
ATP7A	0.02624	1.39849	0.348	0.28	1	HC_vs_MS.NoTrt_B
ZNF581	0.02634	-0.3148	0.061	0.11	1	HC_vs_MS.NoTrt_B
DEDD2	0.0264	-0.4035	0.312	0.4	1	HC_vs_MS.NoTrt_B
TARDBP	0.02647	0.25701	0.594	0.7	1	HC_vs_MS.NoTrt_B
ILK	0.02647	-0.2742	0.133	0.2	1	HC_vs_MS.NoTrt_B
LRRC59	0.02654	-0.3807	0.1	0.16	1	HC_vs_MS.NoTrt_B
NUTF2	0.02682	-0.7142	0.129	0.19	1	HC_vs_MS.NoTrt_B

ZNF782	0.02688	0.66385	0.081	0.14	1	HC_vs_MS.NoTrt_B
ZNF726	0.02713	0.27761	0.858	0.84	1	HC_vs_MS.NoTrt_B
SIN3B	0.02724	0.54694	0.754	0.74	1	HC_vs_MS.NoTrt_B
NUDCD3	0.02725	-0.4478	0.313	0.37	1	HC_vs_MS.NoTrt_B
TCAIM	0.02726	0.47417	0.184	0.27	1	HC_vs_MS.NoTrt_B
SFPQ	0.02734	0.36671	0.513	0.42	1	HC_vs_MS.NoTrt_B
ABHD12B	0.02742	0.66934	0.614	0.6	1	HC_vs_MS.NoTrt_B
TBC1D24	0.0275	0.67749	0.706	0.68	1	HC_vs_MS.NoTrt_B
RETSAT	0.02761	-0.5754	0.122	0.18	1	HC_vs_MS.NoTrt_B
BAG6	0.02765	0.72389	0.622	0.56	1	HC_vs_MS.NoTrt_B
RSPH10B2	0.02767	0.27623	0.6	0.52	1	HC_vs_MS.NoTrt_B
ZRANB2	0.02778	0.25075	0.37	0.49	1	HC_vs_MS.NoTrt_B
MNS1	0.0278	0.32739	0.174	0.11	1	HC_vs_MS.NoTrt_B
ZFP82	0.02796	0.69631	0.649	0.6	1	HC_vs_MS.NoTrt_B
PRAF2	0.02799	-0.6578	0.083	0.14	1	HC_vs_MS.NoTrt_B
MAP4	0.02804	-0.4396	0.801	0.81	1	HC_vs_MS.NoTrt_B
SLC25A34	0.02813	0.48477	0.622	0.56	1	HC_vs_MS.NoTrt_B
PRDM5	0.02815	0.35147	0.672	0.67	1	HC_vs_MS.NoTrt_B
TMEM41A	0.02835	0.3433	0.835	0.81	1	HC_vs_MS.NoTrt_B
PAEP	0.02848	0.40903	0.393	0.34	1	HC_vs_MS.NoTrt_B
MTO1	0.02856	-0.2758	0.975	0.99	1	HC_vs_MS.NoTrt_B
CMTM3	0.02873	-0.3851	0.142	0.21	1	HC_vs_MS.NoTrt_B
CD276	0.02874	0.28943	0.459	0.37	1	HC_vs_MS.NoTrt_B
WIPF1	0.02901	0.26143	0.691	0.83	1	HC_vs_MS.NoTrt_B
LHFPL5	0.02907	0.34898	0.528	0.47	1	HC_vs_MS.NoTrt_B
ARHGEF4	0.02908	0.39488	0.546	0.47	1	HC_vs_MS.NoTrt_B
ZNF528	0.02909	0.94002	0.574	0.51	1	HC_vs_MS.NoTrt_B
RBM28	0.02913	0.4164	0.877	0.85	1	HC_vs_MS.NoTrt_B
LRG1	0.02923	0.27586	0.755	0.74	1	HC_vs_MS.NoTrt_B
TMCO3	0.02927	0.49987	0.716	0.68	1	HC_vs_MS.NoTrt_B
DRG1	0.02933	-0.415	0.142	0.21	1	HC_vs_MS.NoTrt_B
CEP68	0.0294	-0.596	0.516	0.58	1	HC_vs_MS.NoTrt_B
SYS1	0.02958	-0.368	0.423	0.52	1	HC_vs_MS.NoTrt_B
PPFIBP2	0.02961	0.55374	0.251	0.18	1	HC_vs_MS.NoTrt_B
ZSCAN21	0.02967	1.48351	0.22	0.15	1	HC_vs_MS.NoTrt_B
LCLAT1	0.02971	0.34389	0.812	0.86	1	HC_vs_MS.NoTrt_B
CHMP1B	0.02978	0.49079	0.775	0.78	1	HC_vs_MS.NoTrt_B
ZNF468	0.02987	0.26167	0.494	0.62	1	HC_vs_MS.NoTrt_B
ALDH6A1	0.0299	-0.687	0.796	0.87	1	HC_vs_MS.NoTrt_B
PLCB1	0.02992	0.31852	0.323	0.25	1	HC_vs_MS.NoTrt_B

FAM228B	0.02993	0.26746	0.945	0.95	1	HC_vs_MS.NoTrt_B
ZNF83	0.03	0.54496	0.849	0.83	1	HC_vs_MS.NoTrt_B
MUT	0.03006	-0.3471	0.058	0.1	1	HC_vs_MS.NoTrt_B
ZBTB3	0.03008	0.42412	0.793	0.74	1	HC_vs_MS.NoTrt_B
APMAP	0.03013	-0.3437	0.119	0.18	1	HC_vs_MS.NoTrt_B
ITSN1	0.03021	0.57511	0.859	0.85	1	HC_vs_MS.NoTrt_B
HCFC1R1	0.03023	-0.3937	0.058	0.1	1	HC_vs_MS.NoTrt_B
CCL22	0.03023	0.2642	0.741	0.75	1	HC_vs_MS.NoTrt_B
WDR18	0.03024	-0.2515	0.078	0.13	1	HC_vs_MS.NoTrt_B
FAM161A	0.03032	-0.6511	0.614	0.76	1	HC_vs_MS.NoTrt_B
SEC14L6	0.03035	0.37638	0.723	0.71	1	HC_vs_MS.NoTrt_B
ATP5L2	0.03046	0.37947	0.303	0.23	1	HC_vs_MS.NoTrt_B
PTS	0.03082	-0.3269	0.062	0.11	1	HC_vs_MS.NoTrt_B
ASAP1	0.03082	0.46871	0.146	0.09	1	HC_vs_MS.NoTrt_B
GPLD1	0.0309	0.67885	0.684	0.63	1	HC_vs_MS.NoTrt_B
NFIC	0.03096	0.8456	0.412	0.34	1	HC_vs_MS.NoTrt_B
MBTD1	0.03116	0.84035	0.429	0.35	1	HC_vs_MS.NoTrt_B
ZNF154	0.03122	1.23936	0.684	0.69	1	HC_vs_MS.NoTrt_B
CSNK1G2	0.03127	-0.7562	0.062	0.11	1	HC_vs_MS.NoTrt_B
COQ6	0.03153	0.31778	0.761	0.71	1	HC_vs_MS.NoTrt_B
HDAC7	0.03155	0.47956	0.286	0.21	1	HC_vs_MS.NoTrt_B
ABCC2	0.03174	0.6727	0.536	0.51	1	HC_vs_MS.NoTrt_B
ANGPT4	0.03175	0.36621	0.396	0.33	1	HC_vs_MS.NoTrt_B
TSSC4	0.03178	-0.2603	0.104	0.16	1	HC_vs_MS.NoTrt_B
PIGT	0.03185	-0.4234	0.08	0.13	1	HC_vs_MS.NoTrt_B
C9orf142	0.03196	-0.2757	0.207	0.28	1	HC_vs_MS.NoTrt_B
PCYOX1L	0.032	-0.3966	0.062	0.11	1	HC_vs_MS.NoTrt_B
SLC15A2	0.032	-0.5065	0.486	0.61	1	HC_vs_MS.NoTrt_B
TNFRSF13C	0.03203	0.67178	0.62	0.58	1	HC_vs_MS.NoTrt_B
ARID1B	0.03221	0.53572	0.946	0.94	1	HC_vs_MS.NoTrt_B
SLC12A4	0.0323	0.74732	0.19	0.12	1	HC_vs_MS.NoTrt_B
DCAF12	0.03232	-0.634	0.09	0.14	1	HC_vs_MS.NoTrt_B
GTF2F1	0.0325	-0.7387	0.268	0.34	1	HC_vs_MS.NoTrt_B
FAM53C	0.03258	0.35364	0.786	0.78	1	HC_vs_MS.NoTrt_B
SFMBT2	0.0326	1.09799	0.293	0.23	1	HC_vs_MS.NoTrt_B
C11orf49	0.03266	0.33483	0.755	0.75	1	HC_vs_MS.NoTrt_B
USP32	0.03283	0.45684	0.219	0.29	1	HC_vs_MS.NoTrt_B
LHPP	0.03284	-0.4116	0.11	0.17	1	HC_vs_MS.NoTrt_B
ETV3	0.0329	1.0659	0.12	0.07	1	HC_vs_MS.NoTrt_B
POLR2C	0.03293	-0.4607	0.552	0.63	1	HC_vs_MS.NoTrt_B



NPRL3	0.03302	0.47677	0.299	0.39	1	HC_vs_MS.NoTrt_B
CKAP2	0.03309	-0.4979	0.103	0.16	1	HC_vs_MS.NoTrt_B
FOXO3	0.03309	-0.3579	0.365	0.43	1	HC_vs_MS.NoTrt_B
RFX5	0.03315	-0.3924	0.281	0.35	1	HC_vs_MS.NoTrt_B
TMBIM1	0.0332	-0.4719	0.588	0.64	1	HC_vs_MS.NoTrt_B
ACAT2	0.03328	-0.2932	0.22	0.29	1	HC_vs_MS.NoTrt_B
THAP4	0.03331	-0.3308	0.106	0.16	1	HC_vs_MS.NoTrt_B
ROBO1	0.0334	0.41988	0.48	0.42	1	HC_vs_MS.NoTrt_B
SIM2	0.03348	0.34693	0.617	0.59	1	HC_vs_MS.NoTrt_B
MRPS18A	0.03356	-0.3062	0.097	0.15	1	HC_vs_MS.NoTrt_B
GRIK2	0.03357	0.27086	0.532	0.47	1	HC_vs_MS.NoTrt_B
TRMT1	0.03375	-0.3752	0.129	0.19	1	HC_vs_MS.NoTrt_B
HIF1AN	0.03396	-0.3427	0.78	0.88	1	HC_vs_MS.NoTrt_B
WWC3	0.03398	0.30084	0.345	0.44	1	HC_vs_MS.NoTrt_B
ZFP36L1	0.03412	0.49292	0.701	0.69	1	HC_vs_MS.NoTrt_B
LTBR	0.03417	0.2701	0.929	0.95	1	HC_vs_MS.NoTrt_B
NFATC3	0.03429	0.55409	0.668	0.58	1	HC_vs_MS.NoTrt_B
DOK6	0.03449	-0.4131	0.258	0.19	1	HC_vs_MS.NoTrt_B
NPC2	0.03455	-0.4022	0.084	0.14	1	HC_vs_MS.NoTrt_B
TMEM243	0.0346	0.28133	0.255	0.36	1	HC_vs_MS.NoTrt_B
POLD1	0.0346	-0.4824	0.141	0.2	1	HC_vs_MS.NoTrt_B
ZNF696	0.03462	0.4671	0.316	0.25	1	HC_vs_MS.NoTrt_B
TMPRSS7	0.03467	0.36692	0.257	0.19	1	HC_vs_MS.NoTrt_B
CCNT2	0.0347	0.33171	0.133	0.2	1	HC_vs_MS.NoTrt_B
BCL11B	0.03483	0.63791	0.493	0.43	1	HC_vs_MS.NoTrt_B
CHKB	0.03484	-0.3808	0.186	0.25	1	HC_vs_MS.NoTrt_B
NCKAP5L	0.03485	0.75997	0.593	0.53	1	HC_vs_MS.NoTrt_B
PLAUR	0.03489	0.29128	0.574	0.52	1	HC_vs_MS.NoTrt_B
CHID1	0.03491	0.67311	0.314	0.24	1	HC_vs_MS.NoTrt_B
DPY19L3	0.03492	0.35067	0.913	0.92	1	HC_vs_MS.NoTrt_B
TIPRL	0.03502	-0.5403	0.281	0.34	1	HC_vs_MS.NoTrt_B
EPN2	0.03502	0.37628	0.771	0.81	1	HC_vs_MS.NoTrt_B
GIGYF2	0.03505	0.3339	0.91	0.92	1	HC_vs_MS.NoTrt_B
RBMX2	0.03527	-0.2693	0.091	0.15	1	HC_vs_MS.NoTrt_B
FILIP1L	0.03534	0.54828	0.39	0.33	1	HC_vs_MS.NoTrt_B
CYP2R1	0.03539	-0.6039	0.081	0.13	1	HC_vs_MS.NoTrt_B
PXMP4	0.03547	0.3231	0.816	0.82	1	HC_vs_MS.NoTrt_B
GPR157	0.03559	0.31565	0.786	0.81	1	HC_vs_MS.NoTrt_B
CCDC69	0.03567	0.33604	0.859	0.83	1	HC_vs_MS.NoTrt_B
POC5	0.03567	-0.4895	0.081	0.13	1	HC_vs_MS.NoTrt_B

PAWR	0.03574	0.3487	0.699	0.66	1	HC_vs_MS.NoTrt_B
S1PR3	0.03581	0.29355	0.757	0.7	1	HC_vs_MS.NoTrt_B
ORAOV1	0.03584	0.27222	0.694	0.64	1	HC_vs_MS.NoTrt_B
SOX5	0.03584	0.30121	0.174	0.11	1	HC_vs_MS.NoTrt_B
PI16	0.0359	-0.6128	0.113	0.17	1	HC_vs_MS.NoTrt_B
NPC1L1	0.03593	0.28863	0.175	0.12	1	HC_vs_MS.NoTrt_B
SLMAP	0.03626	0.338	0.791	0.77	1	HC_vs_MS.NoTrt_B
KDM5B	0.03629	0.94349	0.277	0.37	1	HC_vs_MS.NoTrt_B
MBD5	0.03632	0.563	0.843	0.88	1	HC_vs_MS.NoTrt_B
TMC8	0.03639	0.49188	0.748	0.72	1	HC_vs_MS.NoTrt_B
DHX34	0.03649	-0.6027	0.059	0.1	1	HC_vs_MS.NoTrt_B
POLE2	0.03659	0.51401	0.322	0.25	1	HC_vs_MS.NoTrt_B
TOP1	0.03661	-0.2891	0.129	0.19	1	HC_vs_MS.NoTrt_B
SGSM2	0.03666	1.54937	0.264	0.2	1	HC_vs_MS.NoTrt_B
CDC37L1	0.03686	-0.4523	0.099	0.15	1	HC_vs_MS.NoTrt_B
CEP152	0.03696	0.79932	0.683	0.67	1	HC_vs_MS.NoTrt_B
DCBLD2	0.03697	0.52756	0.67	0.7	1	HC_vs_MS.NoTrt_B
PPP2R5D	0.03704	-0.2628	0.148	0.21	1	HC_vs_MS.NoTrt_B
ARV1	0.03742	-0.6698	0.232	0.31	1	HC_vs_MS.NoTrt_B
GPR68	0.03743	-0.5185	0.068	0.11	1	HC_vs_MS.NoTrt_B
GAB1	0.03749	0.3331	0.532	0.47	1	HC_vs_MS.NoTrt_B
YLPM1	0.03763	0.79515	0.6	0.54	1	HC_vs_MS.NoTrt_B
LAIR2	0.03769	-0.5152	0.103	0.16	1	HC_vs_MS.NoTrt_B
KLHL18	0.03779	-0.572	0.314	0.39	1	HC_vs_MS.NoTrt_B
RHOC	0.0378	-0.8816	0.074	0.12	1	HC_vs_MS.NoTrt_B
GLO1	0.03784	-0.3095	0.064	0.11	1	HC_vs_MS.NoTrt_B
POLN	0.0379	0.26886	0.636	0.6	1	HC_vs_MS.NoTrt_B
DNAJC28	0.03799	0.50874	0.374	0.29	1	HC_vs_MS.NoTrt_B
CRADD	0.03805	-0.5043	0.077	0.12	1	HC_vs_MS.NoTrt_B
SLC35F2	0.03807	-0.313	0.219	0.28	1	HC_vs_MS.NoTrt_B
FMR1	0.03813	0.44391	0.103	0.16	1	HC_vs_MS.NoTrt_B
ZNF816	0.03846	0.59624	0.407	0.5	1	HC_vs_MS.NoTrt_B
RBMS2	0.03861	0.38904	0.861	0.85	1	HC_vs_MS.NoTrt_B
GP2	0.03863	0.36133	0.504	0.47	1	HC_vs_MS.NoTrt_B
ELMO2	0.03864	-0.4919	0.203	0.27	1	HC_vs_MS.NoTrt_B
PTH2R	0.03868	0.34208	0.194	0.14	1	HC_vs_MS.NoTrt_B
KCNE3	0.03873	0.34717	0.525	0.47	1	HC_vs_MS.NoTrt_B
MYH7B	0.03888	-0.4034	0.786	0.78	1	HC_vs_MS.NoTrt_B
LRRC27	0.03888	0.45576	0.803	0.81	1	HC_vs_MS.NoTrt_B
FAM216A	0.03889	0.73165	0.558	0.51	1	HC_vs_MS.NoTrt_B

TOLLIP	0.0389	-0.3611	0.077	0.12	1	HC_vs_MS.NoTrt_B
ERCC3	0.03902	-0.9704	0.361	0.43	1	HC_vs_MS.NoTrt_B
FAM153C	0.03906	0.28617	0.455	0.39	1	HC_vs_MS.NoTrt_B
C1S	0.03917	0.30201	0.63	0.6	1	HC_vs_MS.NoTrt_B
GRAMD2	0.03927	0.30271	0.617	0.56	1	HC_vs_MS.NoTrt_B
SSSCA1	0.03932	-0.401	0.059	0.1	1	HC_vs_MS.NoTrt_B
PRDM15	0.03939	-0.2632	0.523	0.64	1	HC_vs_MS.NoTrt_B
NPHP1	0.03942	0.33942	0.719	0.67	1	HC_vs_MS.NoTrt_B
ARID2	0.03946	0.29627	0.688	0.74	1	HC_vs_MS.NoTrt_B
RP11-235E1	0.03957	0.42846	0.265	0.2	1	HC_vs_MS.NoTrt_B
ANO10	0.03972	-0.4533	0.568	0.51	1	HC_vs_MS.NoTrt_B
PORCN	0.03983	-0.806	0.061	0.1	1	HC_vs_MS.NoTrt_B
STARD3NL	0.03989	0.2828	0.775	0.76	1	HC_vs_MS.NoTrt_B
XAF1	0.0401	0.28104	0.848	0.82	1	HC_vs_MS.NoTrt_B
TBC1D13	0.04044	0.41005	0.109	0.16	1	HC_vs_MS.NoTrt_B
RCC1	0.04048	-0.3869	0.159	0.23	1	HC_vs_MS.NoTrt_B
PDIA5	0.04054	0.25115	0.367	0.29	1	HC_vs_MS.NoTrt_B
TRAF6	0.04055	0.89361	0.712	0.65	1	HC_vs_MS.NoTrt_B
HDAC3	0.04055	-0.4518	0.117	0.17	1	HC_vs_MS.NoTrt_B
RP1L1	0.04068	0.32006	0.6	0.52	1	HC_vs_MS.NoTrt_B
WNT7A	0.0407	1.02631	0.103	0.05	1	HC_vs_MS.NoTrt_B
RP11-47I22	0.04077	0.47278	0.596	0.58	1	HC_vs_MS.NoTrt_B
IRAK3	0.04081	0.8775	0.413	0.37	1	HC_vs_MS.NoTrt_B
ISPD	0.04084	0.25063	0.787	0.78	1	HC_vs_MS.NoTrt_B
AP5B1	0.04114	0.73405	0.235	0.17	1	HC_vs_MS.NoTrt_B
C17orf99	0.04119	0.2931	0.403	0.35	1	HC_vs_MS.NoTrt_B
NDUFA9	0.04132	-0.2752	0.868	0.92	1	HC_vs_MS.NoTrt_B
TKT	0.04132	-0.297	0.557	0.61	1	HC_vs_MS.NoTrt_B
SNAP47	0.04137	-0.6654	0.12	0.17	1	HC_vs_MS.NoTrt_B
SCRN2	0.04172	-0.3687	0.064	0.11	1	HC_vs_MS.NoTrt_B
NOG	0.04173	1.41208	0.241	0.19	1	HC_vs_MS.NoTrt_B
KLRB1	0.04178	-0.302	0.081	0.13	1	HC_vs_MS.NoTrt_B
EIF4E3	0.04181	0.84132	0.18	0.26	1	HC_vs_MS.NoTrt_B
FAM92A1	0.04194	0.48161	0.323	0.26	1	HC_vs_MS.NoTrt_B
PLA2G2D	0.04195	0.31973	0.426	0.37	1	HC_vs_MS.NoTrt_B
WNT4	0.04199	0.58098	0.075	0.12	1	HC_vs_MS.NoTrt_B
AGPAT5	0.04206	0.77352	0.141	0.09	1	HC_vs_MS.NoTrt_B
STT3B	0.04207	0.37892	0.561	0.51	1	HC_vs_MS.NoTrt_B
TMEM5	0.04212	0.94359	0.497	0.45	1	HC_vs_MS.NoTrt_B
CCDC150	0.04216	0.36215	0.672	0.7	1	HC_vs_MS.NoTrt_B

CASS4	0.04217	0.46171	0.454	0.39	1	HC_vs_MS.NoTrt_B
ID3	0.0422	0.71943	0.222	0.16	1	HC_vs_MS.NoTrt_B
TBC1D5	0.04226	-0.2861	0.597	0.68	1	HC_vs_MS.NoTrt_B
ALKBH2	0.04239	-0.3026	0.307	0.39	1	HC_vs_MS.NoTrt_B
SMN2	0.04251	0.38645	0.807	0.7	1	HC_vs_MS.NoTrt_B
SPAG9	0.04261	0.46411	0.862	0.87	1	HC_vs_MS.NoTrt_B
GIMAP5	0.04263	0.47114	0.478	0.41	1	HC_vs_MS.NoTrt_B
ZNF365	0.04266	-0.6074	0.27	0.35	1	HC_vs_MS.NoTrt_B
ING4	0.04276	-0.4062	0.241	0.31	1	HC_vs_MS.NoTrt_B
CITED2	0.04276	1.26055	0.139	0.09	1	HC_vs_MS.NoTrt_B
MTRNR2L3	0.04281	-0.3825	0.229	0.17	1	HC_vs_MS.NoTrt_B
DDX51	0.04293	0.33899	0.645	0.6	1	HC_vs_MS.NoTrt_B
SLC24A2	0.04294	0.29538	0.636	0.6	1	HC_vs_MS.NoTrt_B
PSME3	0.04313	-0.44	0.601	0.69	1	HC_vs_MS.NoTrt_B
ZIM3	0.0432	0.31824	0.529	0.5	1	HC_vs_MS.NoTrt_B
SPATA31A7	0.04352	0.34873	0.533	0.45	1	HC_vs_MS.NoTrt_B
NBPF14	0.04355	0.38517	0.41	0.33	1	HC_vs_MS.NoTrt_B
XKR9	0.04356	0.50441	0.559	0.56	1	HC_vs_MS.NoTrt_B
GSDMA	0.04359	0.67905	0.601	0.58	1	HC_vs_MS.NoTrt_B
ZNF614	0.04368	1.56508	0.252	0.18	1	HC_vs_MS.NoTrt_B
PITPNM2	0.04389	1.11626	0.422	0.37	1	HC_vs_MS.NoTrt_B
PRICKLE3	0.04391	0.43717	0.51	0.45	1	HC_vs_MS.NoTrt_B
GTF2I	0.04405	0.7216	0.887	0.88	1	HC_vs_MS.NoTrt_B
PADI4	0.04408	0.52941	0.512	0.49	1	HC_vs_MS.NoTrt_B
PICALM	0.04411	0.32138	0.22	0.31	1	HC_vs_MS.NoTrt_B
WDR70	0.04421	-0.4166	0.264	0.35	1	HC_vs_MS.NoTrt_B
FRMD4A	0.04432	0.5779	0.629	0.58	1	HC_vs_MS.NoTrt_B
NAIF1	0.04466	0.38218	0.588	0.54	1	HC_vs_MS.NoTrt_B
GEMIN4	0.04473	-0.2919	0.061	0.1	1	HC_vs_MS.NoTrt_B
PSMD2	0.04483	-0.2957	0.149	0.21	1	HC_vs_MS.NoTrt_B
CRIP1	0.04498	0.54772	0.18	0.25	1	HC_vs_MS.NoTrt_B
RADIL	0.04507	0.38944	0.281	0.21	1	HC_vs_MS.NoTrt_B
RARA	0.04509	-0.5778	0.074	0.12	1	HC_vs_MS.NoTrt_B
DDX19B	0.04547	-1.0849	0.432	0.48	1	HC_vs_MS.NoTrt_B
MRPL42	0.0455	0.28689	0.964	0.98	1	HC_vs_MS.NoTrt_B
PPP1R21	0.04557	0.25854	0.203	0.27	1	HC_vs_MS.NoTrt_B
GNG7	0.04559	0.70644	0.394	0.35	1	HC_vs_MS.NoTrt_B
RCOR1	0.0456	0.41658	0.13	0.19	1	HC_vs_MS.NoTrt_B
CALM3	0.04574	0.34781	0.43	0.57	1	HC_vs_MS.NoTrt_B
PISD	0.04587	-0.3115	0.119	0.17	1	HC_vs_MS.NoTrt_B

PIK3R1	0.04593	0.78081	0.31	0.24	1	HC_vs_MS.NoTrt_B
RAB11FIP4	0.0461	-0.571	0.687	0.75	1	HC_vs_MS.NoTrt_B
TBCC	0.04614	-0.3878	0.364	0.43	1	HC_vs_MS.NoTrt_B
UBE2O	0.04624	0.45106	0.545	0.49	1	HC_vs_MS.NoTrt_B
GALR1	0.04626	0.35232	0.616	0.58	1	HC_vs_MS.NoTrt_B
NF2	0.04628	-0.2502	0.762	0.81	1	HC_vs_MS.NoTrt_B
VASH2	0.04633	0.46463	0.745	0.71	1	HC_vs_MS.NoTrt_B
RAD54L2	0.04646	-0.3151	0.61	0.68	1	HC_vs_MS.NoTrt_B
CCDC59	0.04667	-0.2799	0.114	0.17	1	HC_vs_MS.NoTrt_B
GATC	0.0467	0.42064	0.559	0.67	1	HC_vs_MS.NoTrt_B
CSMD3	0.04675	0.33719	0.458	0.39	1	HC_vs_MS.NoTrt_B
DYNLL2	0.0469	0.36895	0.091	0.14	1	HC_vs_MS.NoTrt_B
PNPLA3	0.04697	0.32466	0.53	0.49	1	HC_vs_MS.NoTrt_B
RASA4B	0.04703	0.38081	0.436	0.52	1	HC_vs_MS.NoTrt_B
INO80E	0.04717	0.54631	0.158	0.23	1	HC_vs_MS.NoTrt_B
PPARA	0.04719	0.52236	0.904	0.91	1	HC_vs_MS.NoTrt_B
RCBTB2	0.04721	-0.8283	0.1	0.15	1	HC_vs_MS.NoTrt_B
SH3GLB2	0.04734	0.75392	0.152	0.1	1	HC_vs_MS.NoTrt_B
TRAPPC3L	0.04767	0.41675	0.572	0.58	1	HC_vs_MS.NoTrt_B
MACF1	0.04777	0.53954	0.871	0.84	1	HC_vs_MS.NoTrt_B
BBIP1	0.0478	0.28088	0.529	0.61	1	HC_vs_MS.NoTrt_B
FAM179B	0.04795	0.27741	0.757	0.77	1	HC_vs_MS.NoTrt_B
HCN1	0.04799	0.25344	0.361	0.29	1	HC_vs_MS.NoTrt_B
CD82	0.04808	-0.374	0.614	0.68	1	HC_vs_MS.NoTrt_B
VSNL1	0.04822	0.29847	0.593	0.57	1	HC_vs_MS.NoTrt_B
SCARF1	0.04827	0.26548	0.361	0.29	1	HC_vs_MS.NoTrt_B
ZNF674	0.04847	0.31403	0.904	0.9	1	HC_vs_MS.NoTrt_B
ABCG5	0.04849	-0.2744	0.171	0.24	1	HC_vs_MS.NoTrt_B
URI1	0.04851	0.58107	0.187	0.13	1	HC_vs_MS.NoTrt_B
UPF2	0.04863	-0.539	0.246	0.32	1	HC_vs_MS.NoTrt_B
RASEF	0.04877	0.34084	0.868	0.96	1	HC_vs_MS.NoTrt_B
LARP4	0.04886	0.45218	0.358	0.43	1	HC_vs_MS.NoTrt_B
TRIM6	0.04909	0.38489	0.522	0.47	1	HC_vs_MS.NoTrt_B
C19orf60	0.0491	-0.2576	0.865	0.91	1	HC_vs_MS.NoTrt_B
SNAPC3	0.04928	0.57218	0.586	0.55	1	HC_vs_MS.NoTrt_B
ZNF490	0.04933	-0.3834	0.865	0.87	1	HC_vs_MS.NoTrt_B
ZC3H10	0.04935	0.56695	0.507	0.48	1	HC_vs_MS.NoTrt_B
TMX2	0.04953	-0.2808	0.104	0.16	1	HC_vs_MS.NoTrt_B
ZNF577	0.04962	0.49613	0.332	0.43	1	HC_vs_MS.NoTrt_B
FGD4	0.04971	0.28479	0.82	0.83	1	HC_vs_MS.NoTrt_B

ICMT	0.04974	0.67605	0.609	0.55	1	HC_vs_MS.NoTrt_B
OSBPL1A	0.0498	0.27156	0.736	0.71	1	HC_vs_MS.NoTrt_B
PPOX	0.04983	-0.4488	0.216	0.28	1	HC_vs_MS.NoTrt_B
MYH3	0.05001	0.38708	0.645	0.63	1	HC_vs_MS.NoTrt_B
NCK1	0.05003	0.3519	0.364	0.48	1	HC_vs_MS.NoTrt_B
PPP1R3B	0.05003	-0.2695	0.291	0.22	1	HC_vs_MS.NoTrt_B
C19orf66	0.05026	-0.3513	0.616	0.67	1	HC_vs_MS.NoTrt_B
EXPH5	0.05027	0.7144	0.7	0.71	1	HC_vs_MS.NoTrt_B
PPP2R5E	0.05034	0.54109	0.188	0.27	1	HC_vs_MS.NoTrt_B
ZNF114	0.05041	0.36893	0.471	0.43	1	HC_vs_MS.NoTrt_B
CELF1	0.05042	-0.2618	0.367	0.44	1	HC_vs_MS.NoTrt_B
SURF1	0.0505	-0.2819	0.07	0.11	1	HC_vs_MS.NoTrt_B
SAMD15	0.05066	0.41514	0.323	0.25	1	HC_vs_MS.NoTrt_B
RBM19	0.05079	-0.2567	0.467	0.54	1	HC_vs_MS.NoTrt_B
TIA1	0.05083	0.2511	0.216	0.29	1	HC_vs_MS.NoTrt_B
ELF3	0.05088	0.60179	0.545	0.5	1	HC_vs_MS.NoTrt_B
SLC27A1	0.05096	0.57409	0.797	0.84	1	HC_vs_MS.NoTrt_B
BCL9L	0.05097	0.81201	0.17	0.11	1	HC_vs_MS.NoTrt_B
PGAM5	0.051	0.30238	0.714	0.65	1	HC_vs_MS.NoTrt_B
HLA-DRB5	0.05101	-2.5348	0.087	0.13	1	HC_vs_MS.NoTrt_B
ZSCAN25	0.05105	0.57523	0.433	0.36	1	HC_vs_MS.NoTrt_B
DNAH7	0.0516	0.53577	0.657	0.61	1	HC_vs_MS.NoTrt_B
POU2F3	0.05171	0.35683	0.426	0.37	1	HC_vs_MS.NoTrt_B
GMPPA	0.05179	-0.6151	0.236	0.31	1	HC_vs_MS.NoTrt_B
THTPA	0.05182	-0.2845	0.08	0.12	1	HC_vs_MS.NoTrt_B
DHRS7B	0.05187	0.44488	0.516	0.47	1	HC_vs_MS.NoTrt_B
RP11-1070B	0.05188	0.92993	0.186	0.13	1	HC_vs_MS.NoTrt_B
MATN2	0.05194	0.48424	0.58	0.56	1	HC_vs_MS.NoTrt_B
MED8	0.05204	-0.4678	0.067	0.11	1	HC_vs_MS.NoTrt_B
KBTBD6	0.05213	-0.42	0.325	0.43	1	HC_vs_MS.NoTrt_B
DGKD	0.05224	1.02367	0.604	0.57	1	HC_vs_MS.NoTrt_B
EIF2S2	0.0523	0.26489	0.257	0.35	1	HC_vs_MS.NoTrt_B
C12orf4	0.05239	0.299	0.588	0.72	1	HC_vs_MS.NoTrt_B
IVD	0.05268	0.35149	0.9	0.93	1	HC_vs_MS.NoTrt_B
BAG1	0.05269	0.46938	0.926	0.93	1	HC_vs_MS.NoTrt_B
GPR89B	0.05273	-0.361	0.314	0.38	1	HC_vs_MS.NoTrt_B
FNTA	0.05279	0.78922	0.854	0.84	1	HC_vs_MS.NoTrt_B
RGPD6	0.05281	0.95241	0.588	0.56	1	HC_vs_MS.NoTrt_B
SMAP1	0.05283	-0.5284	0.18	0.24	1	HC_vs_MS.NoTrt_B
ABHD1	0.05306	0.36142	0.758	0.74	1	HC_vs_MS.NoTrt_B

RBFOX3	0.05312	0.27622	0.783	0.78	1	HC_vs_MS.NoTrt_B
PYGM	0.05315	0.73136	0.667	0.69	1	HC_vs_MS.NoTrt_B
CLTA	0.05321	-0.3632	0.575	0.64	1	HC_vs_MS.NoTrt_B
ADGRE2	0.05322	0.55084	0.757	0.75	1	HC_vs_MS.NoTrt_B
MALL	0.05333	0.33913	0.638	0.65	1	HC_vs_MS.NoTrt_B
SLC35A3	0.05344	0.31667	0.799	0.76	1	HC_vs_MS.NoTrt_B
TMEM170A	0.05352	0.273	0.81	0.77	1	HC_vs_MS.NoTrt_B
SHKBP1	0.05357	-0.2783	0.723	0.76	1	HC_vs_MS.NoTrt_B
SORBS2	0.05364	0.28589	0.545	0.5	1	HC_vs_MS.NoTrt_B
LIN28A	0.05365	0.3118	0.741	0.76	1	HC_vs_MS.NoTrt_B
MORC2	0.05368	-0.3117	0.388	0.44	1	HC_vs_MS.NoTrt_B
ZBTB20	0.0538	0.58243	0.796	0.74	1	HC_vs_MS.NoTrt_B
PLAC8	0.05391	0.55769	0.755	0.77	1	HC_vs_MS.NoTrt_B
TFAP4	0.05392	0.62883	0.671	0.67	1	HC_vs_MS.NoTrt_B
ABCB9	0.05405	0.28641	0.833	0.84	1	HC_vs_MS.NoTrt_B
FAM159A	0.05417	0.93766	0.587	0.56	1	HC_vs_MS.NoTrt_B
TRAPPC8	0.0542	0.49548	0.672	0.64	1	HC_vs_MS.NoTrt_B
HLTF	0.05441	0.77012	0.513	0.44	1	HC_vs_MS.NoTrt_B
ZNF101	0.05446	-0.2786	0.951	0.96	1	HC_vs_MS.NoTrt_B
COQ4	0.05466	0.26917	0.894	0.94	1	HC_vs_MS.NoTrt_B
ZNF75A	0.05466	-0.6377	0.72	0.8	1	HC_vs_MS.NoTrt_B
CLIP2	0.05485	0.63369	0.362	0.32	1	HC_vs_MS.NoTrt_B
KCTD1	0.05489	0.49719	0.572	0.55	1	HC_vs_MS.NoTrt_B
NPHP3	0.05492	0.51371	0.893	0.91	1	HC_vs_MS.NoTrt_B
SLX4IP	0.05497	-0.5043	0.471	0.52	1	HC_vs_MS.NoTrt_B
FBXW8	0.05522	-0.6705	0.257	0.33	1	HC_vs_MS.NoTrt_B
SHH	0.05527	1.16983	0.106	0.06	1	HC_vs_MS.NoTrt_B
PLOD1	0.05528	0.39089	0.594	0.52	1	HC_vs_MS.NoTrt_B
SCYL1	0.05531	-0.3641	0.226	0.29	1	HC_vs_MS.NoTrt_B
DNAJB4	0.05534	-0.5921	0.284	0.36	1	HC_vs_MS.NoTrt_B
AF011889.5	0.05552	-0.2688	0.186	0.25	1	HC_vs_MS.NoTrt_B
DMAP1	0.05561	-0.4025	0.441	0.51	1	HC_vs_MS.NoTrt_B
1-Mar	0.05562	0.5852	0.31	0.25	1	HC_vs_MS.NoTrt_B
OLFM2	0.05579	0.63439	0.065	0.11	1	HC_vs_MS.NoTrt_B
COG7	0.05592	0.30423	0.528	0.48	1	HC_vs_MS.NoTrt_B
C6orf1	0.05604	-0.306	0.097	0.15	1	HC_vs_MS.NoTrt_B
HCAR1	0.05625	0.2856	0.868	0.91	1	HC_vs_MS.NoTrt_B
ZNFX1	0.0563	0.52837	0.814	0.77	1	HC_vs_MS.NoTrt_B
TBX6	0.05657	0.3147	0.47	0.4	1	HC_vs_MS.NoTrt_B
ANKRD6	0.05661	0.364	0.165	0.11	1	HC_vs_MS.NoTrt_B

NLN	0.05685	0.31285	0.742	0.72	1	HC_vs_MS.NoTrt_B
EIF3B	0.05695	0.52183	0.33	0.43	1	HC_vs_MS.NoTrt_B
ANAPC1	0.05707	0.80491	0.614	0.56	1	HC_vs_MS.NoTrt_B
ULK4	0.05746	-0.4912	0.277	0.35	1	HC_vs_MS.NoTrt_B
HAAO	0.0575	-0.5431	0.075	0.12	1	HC_vs_MS.NoTrt_B
RBMXL1	0.05758	0.63363	0.12	0.07	1	HC_vs_MS.NoTrt_B
PSMA2	0.05772	-0.2622	0.554	0.61	1	HC_vs_MS.NoTrt_B
PARP15	0.05786	0.3181	0.899	0.88	1	HC_vs_MS.NoTrt_B
FBXO27	0.058	0.32229	0.697	0.68	1	HC_vs_MS.NoTrt_B
XPNPEP1	0.05802	-0.6008	0.287	0.35	1	HC_vs_MS.NoTrt_B
CARS2	0.05811	0.74686	0.758	0.77	1	HC_vs_MS.NoTrt_B
FASLG	0.05819	0.2783	0.071	0.11	1	HC_vs_MS.NoTrt_B
CCDC40	0.05823	0.27912	0.772	0.75	1	HC_vs_MS.NoTrt_B
TRIM36	0.05824	0.29112	0.371	0.31	1	HC_vs_MS.NoTrt_B
DUSP19	0.05844	0.3502	0.668	0.64	1	HC_vs_MS.NoTrt_B
SNX22	0.05864	0.36828	0.803	0.8	1	HC_vs_MS.NoTrt_B
DAP	0.05873	-0.2601	0.11	0.16	1	HC_vs_MS.NoTrt_B
BTBD2	0.05905	0.98507	0.378	0.34	1	HC_vs_MS.NoTrt_B
C15orf57	0.0595	0.65052	0.772	0.74	1	HC_vs_MS.NoTrt_B
QTRT1	0.05968	0.67015	0.814	0.82	1	HC_vs_MS.NoTrt_B
SOWAHC	0.05969	0.48992	0.42	0.36	1	HC_vs_MS.NoTrt_B
SPTLC3	0.05987	0.61399	0.513	0.51	1	HC_vs_MS.NoTrt_B
ELK1	0.05997	-1.0511	0.07	0.11	1	HC_vs_MS.NoTrt_B
CHMP3	0.06009	-0.3102	0.299	0.36	1	HC_vs_MS.NoTrt_B
TMEM38A	0.06026	0.53074	0.503	0.45	1	HC_vs_MS.NoTrt_B
KCNE1	0.0603	0.32484	0.546	0.52	1	HC_vs_MS.NoTrt_B
IGF1R	0.06038	0.72136	0.354	0.29	1	HC_vs_MS.NoTrt_B
CDK9	0.06052	-0.662	0.072	0.11	1	HC_vs_MS.NoTrt_B
PLXDC1	0.06071	0.34564	0.729	0.72	1	HC_vs_MS.NoTrt_B
PNPLA6	0.0608	-0.3735	0.126	0.18	1	HC_vs_MS.NoTrt_B
HSD17B4	0.06082	0.71276	0.642	0.63	1	HC_vs_MS.NoTrt_B
OSBPL6	0.06093	0.27152	0.562	0.55	1	HC_vs_MS.NoTrt_B
LMCD1	0.06093	-0.4401	0.284	0.22	1	HC_vs_MS.NoTrt_B
SLC30A4	0.06095	0.34514	0.871	0.87	1	HC_vs_MS.NoTrt_B
LRIG1	0.0611	0.30306	0.238	0.31	1	HC_vs_MS.NoTrt_B
AGXT	0.0616	0.29166	0.643	0.64	1	HC_vs_MS.NoTrt_B
ERI1	0.06177	0.61462	0.365	0.45	1	HC_vs_MS.NoTrt_B
DMXL2	0.06178	0.37864	0.462	0.43	1	HC_vs_MS.NoTrt_B
EXTL3	0.0618	0.27727	0.923	0.92	1	HC_vs_MS.NoTrt_B
SH2D1A	0.06183	0.33608	0.159	0.22	1	HC_vs_MS.NoTrt_B



GLTSCR1	0.06229	0.47218	0.581	0.51	1	HC_vs_MS.NoTrt_B
CD200	0.06237	0.74521	0.532	0.51	1	HC_vs_MS.NoTrt_B
FRS3	0.06247	0.52135	0.32	0.27	1	HC_vs_MS.NoTrt_B
CYC1	0.06256	-0.2525	0.099	0.15	1	HC_vs_MS.NoTrt_B
TMEM263	0.0627	-0.2571	0.377	0.44	1	HC_vs_MS.NoTrt_B
TTLL10	0.06291	0.40462	0.617	0.6	1	HC_vs_MS.NoTrt_B
KSR1	0.06295	0.45342	0.286	0.22	1	HC_vs_MS.NoTrt_B
E2F5	0.06299	0.83202	0.332	0.28	1	HC_vs_MS.NoTrt_B
ATP6AP1	0.06307	-0.3855	0.365	0.42	1	HC_vs_MS.NoTrt_B
CXCR6	0.06308	-0.8518	0.128	0.18	1	HC_vs_MS.NoTrt_B
TRAPPC12	0.06308	0.60613	0.599	0.57	1	HC_vs_MS.NoTrt_B
TTYH2	0.06315	-0.4652	0.077	0.12	1	HC_vs_MS.NoTrt_B
RNPC3	0.06321	0.43698	0.362	0.48	1	HC_vs_MS.NoTrt_B
STK11	0.06335	-0.2963	0.417	0.36	1	HC_vs_MS.NoTrt_B
CALR	0.06344	-0.4044	0.752	0.82	1	HC_vs_MS.NoTrt_B
AKAP5	0.06357	0.66501	0.625	0.58	1	HC_vs_MS.NoTrt_B
TOPORS	0.0637	0.31675	0.083	0.13	1	HC_vs_MS.NoTrt_B
MRPL19	0.06404	0.49929	0.243	0.32	1	HC_vs_MS.NoTrt_B
TEP1	0.06406	0.41891	0.399	0.49	1	HC_vs_MS.NoTrt_B
SGPL1	0.06427	-0.5418	0.419	0.48	1	HC_vs_MS.NoTrt_B
SLC5A3	0.06434	0.77727	0.067	0.11	1	HC_vs_MS.NoTrt_B
TTLL7	0.0644	0.25749	0.78	0.77	1	HC_vs_MS.NoTrt_B
ZNF845	0.06446	0.87626	0.645	0.6	1	HC_vs_MS.NoTrt_B
QPCTL	0.0645	0.33143	0.742	0.76	1	HC_vs_MS.NoTrt_B
DDX41	0.06463	-0.3854	0.086	0.13	1	HC_vs_MS.NoTrt_B
CTD-2369P2	0.06491	0.6383	0.284	0.24	1	HC_vs_MS.NoTrt_B
RP11-166B2	0.06497	0.77676	0.507	0.48	1	HC_vs_MS.NoTrt_B
STK26	0.06508	0.52149	0.078	0.12	1	HC_vs_MS.NoTrt_B
CTH	0.06517	0.36256	0.626	0.62	1	HC_vs_MS.NoTrt_B
NFE2L2	0.06541	0.68199	0.561	0.5	1	HC_vs_MS.NoTrt_B
RAD51	0.06556	-0.2791	0.478	0.43	1	HC_vs_MS.NoTrt_B
LOXL2	0.0657	0.6463	0.71	0.73	1	HC_vs_MS.NoTrt_B
DMD	0.06595	0.49404	0.619	0.62	1	HC_vs_MS.NoTrt_B
B3GNTL1	0.06599	-0.6043	0.217	0.29	1	HC_vs_MS.NoTrt_B
NME3	0.0663	-0.2816	0.113	0.16	1	HC_vs_MS.NoTrt_B
RASGRF2	0.0663	0.65328	0.165	0.11	1	HC_vs_MS.NoTrt_B
YKT6	0.06652	-0.2961	0.077	0.12	1	HC_vs_MS.NoTrt_B
PLCE1	0.06667	0.31825	0.916	0.88	1	HC_vs_MS.NoTrt_B
DCUN1D1	0.06691	0.29626	0.372	0.44	1	HC_vs_MS.NoTrt_B
CASK	0.06699	0.27762	0.12	0.17	1	HC_vs_MS.NoTrt_B

RASSF8	0.06716	0.27971	0.461	0.41	1	HC_vs_MS.NoTrt_B
ZNF264	0.06717	0.45532	0.917	0.91	1	HC_vs_MS.NoTrt_B
BRWD3	0.0673	0.39886	0.117	0.07	1	HC_vs_MS.NoTrt_B
ART4	0.06753	0.28553	0.5	0.45	1	HC_vs_MS.NoTrt_B
ERCC1	0.06755	-0.5448	0.784	0.88	1	HC_vs_MS.NoTrt_B
APOL1	0.06758	0.92413	0.7	0.65	1	HC_vs_MS.NoTrt_B
TMEM106A	0.06767	0.28024	0.677	0.66	1	HC_vs_MS.NoTrt_B
XPO7	0.06791	-0.3681	0.1	0.15	1	HC_vs_MS.NoTrt_B
PRSS27	0.06799	0.29709	0.755	0.74	1	HC_vs_MS.NoTrt_B
RP11-849H4	0.06801	0.75464	0.596	0.51	1	HC_vs_MS.NoTrt_B
SCYL3	0.06838	0.90711	0.659	0.64	1	HC_vs_MS.NoTrt_B
ADGRG1	0.06848	0.67104	0.654	0.65	1	HC_vs_MS.NoTrt_B
PTPRZ1	0.06883	0.28749	0.21	0.16	1	HC_vs_MS.NoTrt_B
NOP56	0.06905	-0.2619	0.4	0.47	1	HC_vs_MS.NoTrt_B
GGPS1	0.06914	-0.2652	0.378	0.47	1	HC_vs_MS.NoTrt_B
DCAF10	0.06914	0.445	0.793	0.79	1	HC_vs_MS.NoTrt_B
CWC27	0.06918	-0.5302	0.101	0.15	1	HC_vs_MS.NoTrt_B
ZC3H4	0.06955	0.46356	0.312	0.42	1	HC_vs_MS.NoTrt_B
NAV2	0.0696	0.7217	0.372	0.32	1	HC_vs_MS.NoTrt_B
ACOX3	0.06984	-0.5258	0.077	0.12	1	HC_vs_MS.NoTrt_B
UNC13C	0.06995	0.32777	0.607	0.62	1	HC_vs_MS.NoTrt_B
AGAP2	0.06998	-0.5967	0.151	0.2	1	HC_vs_MS.NoTrt_B
IPO9	0.07	0.30194	0.825	0.83	1	HC_vs_MS.NoTrt_B
SYDE2	0.07023	0.4547	0.48	0.44	1	HC_vs_MS.NoTrt_B
DCAF6	0.07023	0.53868	0.159	0.22	1	HC_vs_MS.NoTrt_B
MELK	0.0703	0.64573	0.504	0.48	1	HC_vs_MS.NoTrt_B
REEP4	0.07031	-0.5585	0.065	0.1	1	HC_vs_MS.NoTrt_B
PMF1	0.07031	-0.3355	0.462	0.51	1	HC_vs_MS.NoTrt_B
UGT2B4	0.07036	0.28115	0.367	0.3	1	HC_vs_MS.NoTrt_B
SLU7	0.07041	-0.2933	0.368	0.43	1	HC_vs_MS.NoTrt_B
IFRD1	0.07045	0.4726	0.387	0.33	1	HC_vs_MS.NoTrt_B
CLNK	0.07046	0.68878	0.626	0.64	1	HC_vs_MS.NoTrt_B
TTC17	0.07058	-0.284	0.41	0.46	1	HC_vs_MS.NoTrt_B
GAS7	0.07088	0.37163	0.586	0.56	1	HC_vs_MS.NoTrt_B
RBBP8	0.0711	0.62876	0.072	0.11	1	HC_vs_MS.NoTrt_B
PSMD14	0.0713	-0.536	0.087	0.13	1	HC_vs_MS.NoTrt_B
CXorf36	0.07134	0.42226	0.383	0.34	1	HC_vs_MS.NoTrt_B
ARSA	0.07137	-0.2758	0.68	0.73	1	HC_vs_MS.NoTrt_B
SOS2	0.07141	-0.4173	0.083	0.12	1	HC_vs_MS.NoTrt_B
MEGF6	0.07201	-0.3782	0.11	0.16	1	HC_vs_MS.NoTrt_B

TANC2	0.07202	1.63645	0.257	0.2	1	HC_vs_MS.NoTrt_B
NUMB	0.07217	-0.2643	0.709	0.76	1	HC_vs_MS.NoTrt_B
ARHGAP18	0.0724	-1.0381	0.074	0.11	1	HC_vs_MS.NoTrt_B
RAD23B	0.07245	-0.7109	0.439	0.53	1	HC_vs_MS.NoTrt_B
PDCL	0.07257	-0.3673	0.375	0.44	1	HC_vs_MS.NoTrt_B
COPS6	0.07257	-0.4798	0.671	0.69	1	HC_vs_MS.NoTrt_B
FPGT	0.07267	-0.5466	0.087	0.13	1	HC_vs_MS.NoTrt_B
ST6GALNAC	0.07268	0.27772	0.187	0.14	1	HC_vs_MS.NoTrt_B
TGFBR3	0.07288	0.53691	0.388	0.47	1	HC_vs_MS.NoTrt_B
UBE4A	0.07289	0.40078	0.367	0.46	1	HC_vs_MS.NoTrt_B
ATP6V1B2	0.0729	-0.3643	0.594	0.67	1	HC_vs_MS.NoTrt_B
OSER1	0.07295	-0.4154	0.157	0.21	1	HC_vs_MS.NoTrt_B
EIF2AK2	0.07303	0.57323	0.825	0.84	1	HC_vs_MS.NoTrt_B
REXO1	0.07337	-0.4244	0.068	0.11	1	HC_vs_MS.NoTrt_B
SLC3A1	0.07345	1.10578	0.684	0.7	1	HC_vs_MS.NoTrt_B
MAGEH1	0.07361	-0.3955	0.074	0.11	1	HC_vs_MS.NoTrt_B
UBASH3A	0.07392	-0.3821	0.183	0.24	1	HC_vs_MS.NoTrt_B
TLE2	0.07395	0.87301	0.487	0.44	1	HC_vs_MS.NoTrt_B
GLB1L3	0.07396	0.63113	0.7	0.69	1	HC_vs_MS.NoTrt_B
EGR3	0.07406	0.25981	0.193	0.14	1	HC_vs_MS.NoTrt_B
ARRB1	0.07418	-0.3669	0.716	0.69	1	HC_vs_MS.NoTrt_B
RNF44	0.07472	0.97334	0.37	0.32	1	HC_vs_MS.NoTrt_B
TNFSF4	0.07488	0.69032	0.122	0.08	1	HC_vs_MS.NoTrt_B
GBP6	0.07496	0.27802	0.445	0.38	1	HC_vs_MS.NoTrt_B
LEO1	0.07514	0.87684	0.548	0.49	1	HC_vs_MS.NoTrt_B
LLGL2	0.07535	0.4057	0.386	0.34	1	HC_vs_MS.NoTrt_B
PEX16	0.07536	-0.4648	0.712	0.8	1	HC_vs_MS.NoTrt_B
BECN1	0.07543	-0.3382	0.704	0.74	1	HC_vs_MS.NoTrt_B
KBTBD2	0.07546	0.4193	0.632	0.6	1	HC_vs_MS.NoTrt_B
BCAM	0.07549	0.28263	0.741	0.75	1	HC_vs_MS.NoTrt_B
MRTO4	0.07569	-0.3479	0.449	0.55	1	HC_vs_MS.NoTrt_B
MAN1C1	0.07573	0.55283	0.867	0.85	1	HC_vs_MS.NoTrt_B
STRN	0.07608	1.19538	0.225	0.17	1	HC_vs_MS.NoTrt_B
FCRL2	0.07615	0.52967	0.619	0.58	1	HC_vs_MS.NoTrt_B
TMEM132B	0.07625	0.64248	0.267	0.21	1	HC_vs_MS.NoTrt_B
DDI2	0.07628	0.288	0.751	0.7	1	HC_vs_MS.NoTrt_B
PRKAR2A	0.07633	0.36074	0.883	0.88	1	HC_vs_MS.NoTrt_B
SERTAD2	0.07637	1.29	0.119	0.08	1	HC_vs_MS.NoTrt_B
RAP1B	0.07642	0.29309	0.993	0.99	1	HC_vs_MS.NoTrt_B
RPP14	0.07695	0.25965	0.907	0.91	1	HC_vs_MS.NoTrt_B

PSPN	0.07696	0.32103	0.688	0.66	1	HC_vs_MS.NoTrt_B
C1orf35	0.07706	-0.5645	0.2	0.25	1	HC_vs_MS.NoTrt_B
TRAPPC6B	0.07713	0.39794	0.503	0.47	1	HC_vs_MS.NoTrt_B
GPATCH11	0.07717	0.65791	0.507	0.47	1	HC_vs_MS.NoTrt_B
AGAP4	0.07719	0.6209	0.21	0.29	1	HC_vs_MS.NoTrt_B
AMPH	0.07729	-0.5241	0.136	0.19	1	HC_vs_MS.NoTrt_B
CRIP2	0.07794	-0.3183	0.12	0.17	1	HC_vs_MS.NoTrt_B
PPFIBP1	0.07795	0.43574	0.735	0.72	1	HC_vs_MS.NoTrt_B
XRN1	0.07798	0.48827	0.909	0.92	1	HC_vs_MS.NoTrt_B
DHFR2	0.07826	-0.4014	0.59	0.63	1	HC_vs_MS.NoTrt_B
PCGF5	0.07858	-0.3771	0.329	0.38	1	HC_vs_MS.NoTrt_B
ATP11B	0.07869	0.38318	0.204	0.27	1	HC_vs_MS.NoTrt_B
PDZD2	0.07888	0.51308	0.668	0.64	1	HC_vs_MS.NoTrt_B
SMAD1	0.07935	1.17196	0.32	0.27	1	HC_vs_MS.NoTrt_B
ADAR	0.07965	0.48323	0.796	0.84	1	HC_vs_MS.NoTrt_B
CACNB2	0.07983	0.9678	0.449	0.4	1	HC_vs_MS.NoTrt_B
PRR5	0.08005	0.57868	0.51	0.48	1	HC_vs_MS.NoTrt_B
SIGLEC10	0.08031	0.33979	0.623	0.61	1	HC_vs_MS.NoTrt_B
C5orf42	0.08041	0.66163	0.51	0.5	1	HC_vs_MS.NoTrt_B
C15orf53	0.08048	-0.3253	0.065	0.1	1	HC_vs_MS.NoTrt_B
MARK4	0.08063	0.48393	0.58	0.55	1	HC_vs_MS.NoTrt_B
11-Sep	0.08065	0.5326	0.387	0.32	1	HC_vs_MS.NoTrt_B
DEK	0.08072	0.29872	0.414	0.52	1	HC_vs_MS.NoTrt_B
WASH1	0.08103	0.71567	0.2	0.28	1	HC_vs_MS.NoTrt_B
MAPKBP1	0.08104	0.38435	0.387	0.48	1	HC_vs_MS.NoTrt_B
CWF19L2	0.08109	0.312	0.316	0.4	1	HC_vs_MS.NoTrt_B
BRI3BP	0.08118	0.60402	0.846	0.86	1	HC_vs_MS.NoTrt_B
UHRF1BP1	0.08121	-0.5553	0.549	0.65	1	HC_vs_MS.NoTrt_B
LENG1	0.08157	-0.6202	0.07	0.11	1	HC_vs_MS.NoTrt_B
SLC9A9	0.08174	-0.356	0.129	0.18	1	HC_vs_MS.NoTrt_B
CCT7	0.08187	-0.271	0.204	0.26	1	HC_vs_MS.NoTrt_B
CCDC91	0.0819	0.50858	0.486	0.43	1	HC_vs_MS.NoTrt_B
LHFPL2	0.08202	0.78664	0.29	0.36	1	HC_vs_MS.NoTrt_B
SBF1	0.08214	0.88451	0.2	0.15	1	HC_vs_MS.NoTrt_B
MRPS17	0.08221	0.32881	0.845	0.83	1	HC_vs_MS.NoTrt_B
AMFR	0.08256	-0.3857	0.514	0.42	1	HC_vs_MS.NoTrt_B
MROH8	0.0827	0.25333	0.329	0.27	1	HC_vs_MS.NoTrt_B
FCHSD1	0.08278	-0.2817	0.281	0.35	1	HC_vs_MS.NoTrt_B
PPIH	0.08279	-0.5583	0.075	0.11	1	HC_vs_MS.NoTrt_B
FAM13A	0.08325	0.37551	0.207	0.15	1	HC_vs_MS.NoTrt_B

MAFF	0.08336	0.41441	0.642	0.6	1	HC_vs_MS.NoTrt_B
ITGA2B	0.08348	0.2716	0.325	0.27	1	HC_vs_MS.NoTrt_B
LIN7B	0.08355	0.35635	0.309	0.25	1	HC_vs_MS.NoTrt_B
ARRDC2	0.08372	-0.318	0.084	0.12	1	HC_vs_MS.NoTrt_B
GANC	0.08372	0.38334	0.607	0.54	1	HC_vs_MS.NoTrt_B
KLHL5	0.08373	-0.6455	0.419	0.53	1	HC_vs_MS.NoTrt_B
LYAR	0.08376	-0.2998	0.07	0.11	1	HC_vs_MS.NoTrt_B
STK17B	0.08377	0.29553	0.933	0.96	1	HC_vs_MS.NoTrt_B
IGFL2	0.08378	0.4107	0.329	0.28	1	HC_vs_MS.NoTrt_B
DDOST	0.08381	-0.2868	0.545	0.57	1	HC_vs_MS.NoTrt_B
RNF113A	0.08396	-0.2516	0.096	0.14	1	HC_vs_MS.NoTrt_B
RBMS3	0.08431	0.74365	0.672	0.67	1	HC_vs_MS.NoTrt_B
EMCN	0.08444	0.36274	0.438	0.37	1	HC_vs_MS.NoTrt_B
SCAI	0.08458	0.75139	0.832	0.83	1	HC_vs_MS.NoTrt_B
PDK1	0.08462	0.254	0.797	0.86	1	HC_vs_MS.NoTrt_B
TTC32	0.08468	0.47461	0.081	0.12	1	HC_vs_MS.NoTrt_B
CXorf23	0.08477	0.49166	0.741	0.72	1	HC_vs_MS.NoTrt_B
SYT14	0.08491	0.32474	0.316	0.27	1	HC_vs_MS.NoTrt_B
PECAM1	0.08525	0.93905	0.748	0.74	1	HC_vs_MS.NoTrt_B
MAP2K1	0.08528	1.19391	0.113	0.07	1	HC_vs_MS.NoTrt_B
ZNF583	0.08531	0.4206	0.803	0.85	1	HC_vs_MS.NoTrt_B
PDS5B	0.08534	0.34713	0.312	0.38	1	HC_vs_MS.NoTrt_B
ZDHHC18	0.08538	-0.4544	0.065	0.1	1	HC_vs_MS.NoTrt_B
SLC9A6	0.08549	0.33778	0.407	0.34	1	HC_vs_MS.NoTrt_B
POLDIP2	0.08551	-0.3577	0.093	0.14	1	HC_vs_MS.NoTrt_B
LRRD1	0.08583	0.2874	0.522	0.48	1	HC_vs_MS.NoTrt_B
ITGA1	0.08613	0.26698	0.661	0.67	1	HC_vs_MS.NoTrt_B
TMEM199	0.08617	-0.4097	0.578	0.67	1	HC_vs_MS.NoTrt_B
HPSE	0.0862	-0.2653	0.617	0.57	1	HC_vs_MS.NoTrt_B
RNF220	0.08623	0.75038	0.641	0.65	1	HC_vs_MS.NoTrt_B
RHBDD2	0.08636	-0.3146	0.226	0.28	1	HC_vs_MS.NoTrt_B
SEMA4C	0.08645	0.46075	0.762	0.76	1	HC_vs_MS.NoTrt_B
CDH18	0.08648	0.31207	0.73	0.76	1	HC_vs_MS.NoTrt_B
LINS1	0.08652	0.75505	0.572	0.55	1	HC_vs_MS.NoTrt_B
TACR2	0.08662	0.47089	0.129	0.09	1	HC_vs_MS.NoTrt_B
ZNF496	0.08665	0.71233	0.681	0.67	1	HC_vs_MS.NoTrt_B
DPY19L4	0.08669	1.09219	0.488	0.45	1	HC_vs_MS.NoTrt_B
PVR	0.08746	0.28221	0.454	0.4	1	HC_vs_MS.NoTrt_B
ARMC9	0.08769	0.53867	0.668	0.68	1	HC_vs_MS.NoTrt_B
STXBP6	0.08788	0.28773	0.161	0.11	1	HC_vs_MS.NoTrt_B

RP11-176H8	0.08789	0.28179	0.823	0.82	1	HC_vs_MS.NoTrt_B
ARL10	0.08807	0.66896	0.849	0.83	1	HC_vs_MS.NoTrt_B
ABCC4	0.08809	0.52881	0.703	0.75	1	HC_vs_MS.NoTrt_B
SCN3B	0.08811	0.28634	0.68	0.69	1	HC_vs_MS.NoTrt_B
AARSD1	0.08854	0.5044	0.678	0.68	1	HC_vs_MS.NoTrt_B
SHROOM4	0.08855	0.2918	0.643	0.61	1	HC_vs_MS.NoTrt_B
GRAMD3	0.08874	-0.3	0.69	0.78	1	HC_vs_MS.NoTrt_B
APPL2	0.08882	0.39851	0.348	0.29	1	HC_vs_MS.NoTrt_B
ZNF225	0.08895	0.39493	0.768	0.74	1	HC_vs_MS.NoTrt_B
LRP8	0.08899	0.29887	0.503	0.47	1	HC_vs_MS.NoTrt_B
STPG1	0.08902	0.34093	0.755	0.77	1	HC_vs_MS.NoTrt_B
BCAS1	0.08909	-0.8132	0.345	0.42	1	HC_vs_MS.NoTrt_B
NEO1	0.08914	0.27658	0.245	0.33	1	HC_vs_MS.NoTrt_B
TGFBR2	0.08953	0.97734	0.162	0.11	1	HC_vs_MS.NoTrt_B
SLC25A20	0.08955	-0.8326	0.093	0.14	1	HC_vs_MS.NoTrt_B
LLNLF-187D	0.08961	0.32024	0.546	0.54	1	HC_vs_MS.NoTrt_B
CAPG	0.08989	-0.6558	0.071	0.11	1	HC_vs_MS.NoTrt_B
INTS9	0.08992	-0.5286	0.094	0.14	1	HC_vs_MS.NoTrt_B
RPF1	0.08997	-0.4791	0.232	0.29	1	HC_vs_MS.NoTrt_B
APOE	0.09008	0.30233	0.743	0.74	1	HC_vs_MS.NoTrt_B
DNAH9	0.09017	0.50787	0.436	0.38	1	HC_vs_MS.NoTrt_B
ADCK1	0.09031	1.03046	0.274	0.22	1	HC_vs_MS.NoTrt_B
ITGA4	0.09038	0.75839	0.223	0.17	1	HC_vs_MS.NoTrt_B
SERF1B	0.09042	0.27632	0.454	0.39	1	HC_vs_MS.NoTrt_B
GREB1	0.09044	0.375	0.836	0.85	1	HC_vs_MS.NoTrt_B
ZNF684	0.09058	0.61193	0.694	0.69	1	HC_vs_MS.NoTrt_B
CD300LG	0.0907	0.36666	0.4	0.36	1	HC_vs_MS.NoTrt_B
C7orf73	0.09076	-0.2857	0.61	0.67	1	HC_vs_MS.NoTrt_B
RNF157	0.0909	0.3148	0.607	0.56	1	HC_vs_MS.NoTrt_B
CEP89	0.09091	0.35932	0.868	0.92	1	HC_vs_MS.NoTrt_B
SSR4	0.09106	-0.4671	0.333	0.38	1	HC_vs_MS.NoTrt_B
C3orf70	0.09138	0.37547	0.699	0.65	1	HC_vs_MS.NoTrt_B
PNO1	0.09165	0.25294	0.686	0.67	1	HC_vs_MS.NoTrt_B
MFSD10	0.09168	-0.3869	0.107	0.15	1	HC_vs_MS.NoTrt_B
AKR1D1	0.09177	0.2702	0.564	0.55	1	HC_vs_MS.NoTrt_B
FOXP3	0.09211	0.4061	0.457	0.57	1	HC_vs_MS.NoTrt_B
PPARGC1B	0.09216	0.47511	0.694	0.67	1	HC_vs_MS.NoTrt_B
GFM1	0.09224	0.27035	0.87	0.9	1	HC_vs_MS.NoTrt_B
FBXO48	0.09228	0.75891	0.691	0.68	1	HC_vs_MS.NoTrt_B
JRK	0.09229	1.43347	0.433	0.4	1	HC_vs_MS.NoTrt_B

KIAA2012	0.09239	0.32356	0.643	0.63	1	HC_vs_MS.NoTrt_B
RSL1D1	0.09257	0.26154	0.846	0.86	1	HC_vs_MS.NoTrt_B
ZNF595	0.09263	0.96153	0.793	0.81	1	HC_vs_MS.NoTrt_B
SEC14L4	0.09296	0.2953	0.516	0.48	1	HC_vs_MS.NoTrt_B
PPP2R3B	0.09301	-0.8895	0.445	0.53	1	HC_vs_MS.NoTrt_B
CLCC1	0.09305	0.46087	0.793	0.83	1	HC_vs_MS.NoTrt_B
PIP4K2B	0.09403	-0.3213	0.107	0.15	1	HC_vs_MS.NoTrt_B
POGLUT1	0.0942	0.64678	0.303	0.25	1	HC_vs_MS.NoTrt_B
EFCAB12	0.09447	0.36535	0.745	0.74	1	HC_vs_MS.NoTrt_B
COPS4	0.09502	0.25612	0.468	0.55	1	HC_vs_MS.NoTrt_B
PIGQ	0.09504	-0.6979	0.403	0.44	1	HC_vs_MS.NoTrt_B
HLA-DRB3	0.09523	-0.4742	0.093	0.14	1	HC_vs_MS.NoTrt_B
ZNF396	0.09527	0.26912	0.867	0.9	1	HC_vs_MS.NoTrt_B
ZNF180	0.09535	-0.2736	0.332	0.27	1	HC_vs_MS.NoTrt_B
TMTC4	0.09547	-0.472	0.075	0.11	1	HC_vs_MS.NoTrt_B
F2R	0.09556	-0.4436	0.525	0.49	1	HC_vs_MS.NoTrt_B
TANGO2	0.09559	-0.6114	0.841	0.85	1	HC_vs_MS.NoTrt_B
ACYP1	0.09566	0.33972	0.204	0.27	1	HC_vs_MS.NoTrt_B
MYO15B	0.09571	-0.2657	0.217	0.27	1	HC_vs_MS.NoTrt_B
C22orf29	0.09591	-0.2842	0.367	0.42	1	HC_vs_MS.NoTrt_B
APLP1	0.09598	0.27878	0.62	0.64	1	HC_vs_MS.NoTrt_B
DNAJC12	0.09635	0.26007	0.367	0.33	1	HC_vs_MS.NoTrt_B
MUTYH	0.09637	-0.4343	0.514	0.58	1	HC_vs_MS.NoTrt_B
C20orf27	0.09639	-0.3667	0.067	0.1	1	HC_vs_MS.NoTrt_B
ALDH1B1	0.09663	1.08471	0.591	0.59	1	HC_vs_MS.NoTrt_B
IKBKE	0.09675	-0.4285	0.293	0.35	1	HC_vs_MS.NoTrt_B
ANXA1	0.09698	0.6778	0.178	0.13	1	HC_vs_MS.NoTrt_B
FLCN	0.09717	0.73206	0.859	0.86	1	HC_vs_MS.NoTrt_B
MIER2	0.0972	-0.372	0.529	0.45	1	HC_vs_MS.NoTrt_B
FAXC	0.09746	0.32746	0.325	0.28	1	HC_vs_MS.NoTrt_B
ERGIC1	0.09756	0.41482	0.828	0.86	1	HC_vs_MS.NoTrt_B
SEMA6B	0.09757	0.25245	0.886	0.89	1	HC_vs_MS.NoTrt_B
C2orf81	0.09761	0.26727	0.835	0.87	1	HC_vs_MS.NoTrt_B
MAPK6	0.09792	0.35946	0.446	0.54	1	HC_vs_MS.NoTrt_B
SPATA21	0.09819	-0.2766	0.433	0.5	1	HC_vs_MS.NoTrt_B
SMARCD1	0.09825	0.46127	0.132	0.18	1	HC_vs_MS.NoTrt_B
NHLRC3	0.09827	0.26658	0.37	0.44	1	HC_vs_MS.NoTrt_B
PIBF1	0.0984	0.2865	0.128	0.18	1	HC_vs_MS.NoTrt_B
PARP12	0.09857	0.31431	0.245	0.18	1	HC_vs_MS.NoTrt_B
MROH7	0.09877	0.31538	0.464	0.43	1	HC_vs_MS.NoTrt_B

DPYSL5	0.09882	0.37816	0.591	0.59	1	HC_vs_MS.NoTrt_B
KIFC3	0.09907	0.42328	0.67	0.67	1	HC_vs_MS.NoTrt_B
LYRM2	0.09918	-0.3444	0.83	0.81	1	HC_vs_MS.NoTrt_B
GJB4	0.09923	0.4029	0.651	0.63	1	HC_vs_MS.NoTrt_B
FAM65B	0.09959	0.49624	0.7	0.67	1	HC_vs_MS.NoTrt_B
ITFG1	0.09979	0.42495	0.174	0.23	1	HC_vs_MS.NoTrt_B
AIPL1	0.09982	0.29671	0.365	0.32	1	HC_vs_MS.NoTrt_B
LRRN2	0.10007	1.10474	0.23	0.18	1	HC_vs_MS.NoTrt_B
FUT2	0.1001	0.408	0.741	0.76	1	HC_vs_MS.NoTrt_B
EVL	0.10027	0.33705	0.836	0.89	1	HC_vs_MS.NoTrt_B
RB1	0.10028	0.26704	0.125	0.17	1	HC_vs_MS.NoTrt_B
ZNF613	0.10028	-0.2983	0.413	0.49	1	HC_vs_MS.NoTrt_B
GPA33	0.1004	0.93459	0.146	0.1	1	HC_vs_MS.NoTrt_B
UTY	0.10043	-1.2223	0.422	0.47	1	HC_vs_MS.NoTrt_B
ARHGAP11A	0.10082	-0.481	0.37	0.44	1	HC_vs_MS.NoTrt_B
PGBD2	0.1011	0.61391	0.301	0.25	1	HC_vs_MS.NoTrt_B
BMPR2	0.10129	0.28051	0.445	0.52	1	HC_vs_MS.NoTrt_B
MTHFSD	0.10133	-0.2871	0.075	0.11	1	HC_vs_MS.NoTrt_B
ATP1A3	0.10135	0.4371	0.361	0.31	1	HC_vs_MS.NoTrt_B
ATP13A3	0.10138	0.56008	0.104	0.15	1	HC_vs_MS.NoTrt_B
AGO2	0.10141	0.69763	0.413	0.37	1	HC_vs_MS.NoTrt_B
EIF2S3	0.10148	0.35501	0.954	0.95	1	HC_vs_MS.NoTrt_B
KRT8	0.10173	0.28215	0.822	0.79	1	HC_vs_MS.NoTrt_B
PUS1	0.10175	0.51663	0.855	0.88	1	HC_vs_MS.NoTrt_B
RORC	0.10202	-1.3053	0.077	0.11	1	HC_vs_MS.NoTrt_B
TRIM16	0.10205	-1.1063	0.438	0.48	1	HC_vs_MS.NoTrt_B
CYP2C9	0.10212	0.27148	0.588	0.58	1	HC_vs_MS.NoTrt_B
LARP7	0.10212	0.3069	0.172	0.23	1	HC_vs_MS.NoTrt_B
TCTEX1D2	0.10238	-0.2528	0.27	0.33	1	HC_vs_MS.NoTrt_B
HYDIN	0.10251	0.81444	0.299	0.24	1	HC_vs_MS.NoTrt_B
ZNF497	0.10283	0.29534	0.268	0.33	1	HC_vs_MS.NoTrt_B
SSH1	0.10317	0.44	0.846	0.8	1	HC_vs_MS.NoTrt_B
RRAGD	0.10321	0.74887	0.119	0.17	1	HC_vs_MS.NoTrt_B
AP4B1	0.10325	0.33046	0.622	0.61	1	HC_vs_MS.NoTrt_B
SRSF12	0.10327	0.43941	0.297	0.24	1	HC_vs_MS.NoTrt_B
LINC00961	0.10331	0.49932	0.297	0.25	1	HC_vs_MS.NoTrt_B
NABP2	0.1035	-0.7732	0.412	0.49	1	HC_vs_MS.NoTrt_B
AKAP7	0.10364	0.69239	0.5	0.47	1	HC_vs_MS.NoTrt_B
CCNK	0.10364	0.32601	0.222	0.29	1	HC_vs_MS.NoTrt_B
NDUFA3	0.10392	0.34404	0.946	0.92	1	HC_vs_MS.NoTrt_B



MAVS	0.10398	0.6079	0.935	0.96	1	HC_vs_MS.NoTrt_B
SMARCA5	0.10408	0.32079	0.328	0.4	1	HC_vs_MS.NoTrt_B
HIST1H1E	0.10424	0.67556	0.11	0.07	1	HC_vs_MS.NoTrt_B
RAB3B	0.10431	0.31812	0.745	0.72	1	HC_vs_MS.NoTrt_B
TTC6	0.105	0.37552	0.286	0.24	1	HC_vs_MS.NoTrt_B
DNASE1L3	0.10513	0.34737	0.397	0.35	1	HC_vs_MS.NoTrt_B
ANKIB1	0.10536	0.50165	0.304	0.37	1	HC_vs_MS.NoTrt_B
PPFIA1	0.10551	0.28913	0.657	0.64	1	HC_vs_MS.NoTrt_B
SLC38A10	0.10585	0.30145	0.304	0.38	1	HC_vs_MS.NoTrt_B
HSD17B13	0.10591	0.47621	0.57	0.54	1	HC_vs_MS.NoTrt_B
C1orf131	0.10592	-0.5764	0.575	0.67	1	HC_vs_MS.NoTrt_B
ICA1L	0.10596	0.4346	0.739	0.71	1	HC_vs_MS.NoTrt_B
SLC25A4	0.10601	-0.4469	0.272	0.35	1	HC_vs_MS.NoTrt_B
MCRIP2	0.10624	0.49122	0.561	0.51	1	HC_vs_MS.NoTrt_B
ZNF345	0.1063	0.33474	0.814	0.85	1	HC_vs_MS.NoTrt_B
UIMC1	0.10646	0.57756	0.813	0.82	1	HC_vs_MS.NoTrt_B
USP47	0.10649	0.29392	0.206	0.27	1	HC_vs_MS.NoTrt_B
DEAF1	0.10651	0.58383	0.296	0.36	1	HC_vs_MS.NoTrt_B
U2AF1	0.10661	-0.3799	0.535	0.56	1	HC_vs_MS.NoTrt_B
PNMAL1	0.10706	0.26456	0.428	0.38	1	HC_vs_MS.NoTrt_B
RNF2	0.10737	-0.3018	0.367	0.45	1	HC_vs_MS.NoTrt_B
HNRNPUL1	0.10768	0.8828	0.688	0.68	1	HC_vs_MS.NoTrt_B
ARFGAP2	0.10773	-0.372	0.525	0.6	1	HC_vs_MS.NoTrt_B
PFKL	0.10784	-0.3313	0.729	0.73	1	HC_vs_MS.NoTrt_B
RUFY3	0.10796	0.43588	0.545	0.51	1	HC_vs_MS.NoTrt_B
KCNMB1	0.10828	0.27876	0.69	0.7	1	HC_vs_MS.NoTrt_B
MKRN3	0.10905	1.08034	0.452	0.4	1	HC_vs_MS.NoTrt_B
ACADS	0.10943	-0.3134	0.077	0.11	1	HC_vs_MS.NoTrt_B
TMEM205	0.10949	-0.3037	0.068	0.1	1	HC_vs_MS.NoTrt_B
DYX1C1	0.10973	0.37078	0.455	0.43	1	HC_vs_MS.NoTrt_B
CSAD	0.1098	0.62516	0.806	0.81	1	HC_vs_MS.NoTrt_B
ZNF280D	0.10982	0.7452	0.214	0.17	1	HC_vs_MS.NoTrt_B
MEIOC	0.11026	0.3828	0.645	0.61	1	HC_vs_MS.NoTrt_B
DCUN1D4	0.11028	0.65476	0.249	0.31	1	HC_vs_MS.NoTrt_B
AIMP2	0.11048	-0.8221	0.304	0.36	1	HC_vs_MS.NoTrt_B
ANGPT2	0.11055	0.40045	0.726	0.71	1	HC_vs_MS.NoTrt_B
DFFB	0.11066	0.33186	0.807	0.79	1	HC_vs_MS.NoTrt_B
USP25	0.11069	0.52383	0.449	0.54	1	HC_vs_MS.NoTrt_B
ZNF622	0.11072	-0.2527	0.081	0.12	1	HC_vs_MS.NoTrt_B
CCHCR1	0.11093	-0.9863	0.293	0.36	1	HC_vs_MS.NoTrt_B

DHRS3	0.11093	0.54036	0.229	0.18	1	HC_vs_MS.NoTrt_B
TUFT1	0.11139	0.36595	0.349	0.44	1	HC_vs_MS.NoTrt_B
CEP70	0.11145	0.32712	0.123	0.17	1	HC_vs_MS.NoTrt_B
CLCN2	0.11158	0.38855	0.643	0.64	1	HC_vs_MS.NoTrt_B
MICAL3	0.11205	0.3687	0.791	0.8	1	HC_vs_MS.NoTrt_B
CORO7-PAM	0.11215	-0.4498	0.104	0.15	1	HC_vs_MS.NoTrt_B
THAP9	0.11226	0.47455	0.587	0.6	1	HC_vs_MS.NoTrt_B
PHKA2	0.11248	0.36273	0.599	0.67	1	HC_vs_MS.NoTrt_B
RDH5	0.11254	-0.4448	0.442	0.51	1	HC_vs_MS.NoTrt_B
PCGF1	0.11256	-0.3376	0.372	0.44	1	HC_vs_MS.NoTrt_B
FGD2	0.11331	0.25568	0.703	0.71	1	HC_vs_MS.NoTrt_B
SEPSECS	0.11332	0.82252	0.758	0.8	1	HC_vs_MS.NoTrt_B
PAFAH1B3	0.11347	-0.3163	0.072	0.11	1	HC_vs_MS.NoTrt_B
NPIP15	0.11358	-0.3079	0.193	0.24	1	HC_vs_MS.NoTrt_B
KMT5C	0.11374	0.44366	0.533	0.55	1	HC_vs_MS.NoTrt_B
MCMDC2	0.11381	-0.3319	0.419	0.48	1	HC_vs_MS.NoTrt_B
CAMK2G	0.11384	0.25776	0.641	0.61	1	HC_vs_MS.NoTrt_B
ZMYM2	0.1141	-0.369	0.351	0.39	1	HC_vs_MS.NoTrt_B
NTRK1	0.11417	0.5459	0.109	0.07	1	HC_vs_MS.NoTrt_B
KCTD11	0.11422	-0.2589	0.149	0.2	1	HC_vs_MS.NoTrt_B
NIT1	0.11446	-0.34	0.604	0.56	1	HC_vs_MS.NoTrt_B
SOX13	0.11462	0.36861	0.739	0.75	1	HC_vs_MS.NoTrt_B
IRAK1BP1	0.11465	0.27532	0.674	0.67	1	HC_vs_MS.NoTrt_B
FKBP10	0.11466	0.28514	0.345	0.29	1	HC_vs_MS.NoTrt_B
SNX1	0.11479	0.3986	0.733	0.69	1	HC_vs_MS.NoTrt_B
CRLS1	0.11488	0.74968	0.417	0.36	1	HC_vs_MS.NoTrt_B
C1orf127	0.11525	0.43057	0.272	0.22	1	HC_vs_MS.NoTrt_B
TMEM138	0.11528	0.37303	0.855	0.85	1	HC_vs_MS.NoTrt_B
ATN1	0.1153	0.79684	0.17	0.12	1	HC_vs_MS.NoTrt_B
POLR2M	0.11532	0.41464	0.167	0.12	1	HC_vs_MS.NoTrt_B
OLR1	0.11537	0.35244	0.414	0.37	1	HC_vs_MS.NoTrt_B
UGDH	0.11544	0.40476	0.528	0.64	1	HC_vs_MS.NoTrt_B
NKTR	0.11564	0.45288	0.849	0.83	1	HC_vs_MS.NoTrt_B
BACH2	0.11592	0.68617	0.242	0.19	1	HC_vs_MS.NoTrt_B
NET1	0.11597	0.51218	0.081	0.12	1	HC_vs_MS.NoTrt_B
LTBP3	0.11653	0.4279	0.581	0.6	1	HC_vs_MS.NoTrt_B
SPATA6L	0.11656	0.35667	0.781	0.78	1	HC_vs_MS.NoTrt_B
BEST3	0.11668	0.28811	0.161	0.12	1	HC_vs_MS.NoTrt_B
PRDX2	0.11687	-0.2767	0.212	0.26	1	HC_vs_MS.NoTrt_B
RNPS1	0.11704	-0.2539	0.896	0.94	1	HC_vs_MS.NoTrt_B

ZNF574	0.11764	1.04961	0.316	0.27	1	HC_vs_MS.NoTrt_B
SQRDL	0.11814	-0.3251	0.133	0.18	1	HC_vs_MS.NoTrt_B
DENND5A	0.11835	1.33583	0.225	0.17	1	HC_vs_MS.NoTrt_B
TGFB1	0.11842	1.13585	0.316	0.27	1	HC_vs_MS.NoTrt_B
LRP12	0.11845	0.29555	0.609	0.61	1	HC_vs_MS.NoTrt_B
TYW5	0.1186	1.01036	0.872	0.91	1	HC_vs_MS.NoTrt_B
GPAA1	0.11868	0.26088	0.119	0.17	1	HC_vs_MS.NoTrt_B
ZNF605	0.11871	0.2599	0.884	0.86	1	HC_vs_MS.NoTrt_B
TMEM204	0.11873	0.86817	0.174	0.13	1	HC_vs_MS.NoTrt_B
PKD1	0.11899	1.20872	0.436	0.38	1	HC_vs_MS.NoTrt_B
C1orf106	0.11911	0.25752	0.738	0.72	1	HC_vs_MS.NoTrt_B
LAMC2	0.11922	0.26999	0.555	0.54	1	HC_vs_MS.NoTrt_B
RBM7	0.11929	0.66577	0.674	0.67	1	HC_vs_MS.NoTrt_B
ADRA1A	0.11951	0.33917	0.593	0.56	1	HC_vs_MS.NoTrt_B
CDH3	0.1197	0.25264	0.846	0.87	1	HC_vs_MS.NoTrt_B
VENTX	0.12016	0.29258	0.403	0.37	1	HC_vs_MS.NoTrt_B
TRMU	0.12065	0.41418	0.188	0.25	1	HC_vs_MS.NoTrt_B
ENDOV	0.12096	1.00245	0.577	0.54	1	HC_vs_MS.NoTrt_B
GAPVD1	0.12097	0.45535	0.819	0.88	1	HC_vs_MS.NoTrt_B
ZRSR2	0.12121	0.56164	0.739	0.76	1	HC_vs_MS.NoTrt_B
TBL2	0.12125	0.30914	0.69	0.71	1	HC_vs_MS.NoTrt_B
BLM	0.12133	0.70401	0.239	0.2	1	HC_vs_MS.NoTrt_B
SERAC1	0.1214	0.47168	0.442	0.38	1	HC_vs_MS.NoTrt_B
SUGP1	0.12142	-0.3234	0.412	0.48	1	HC_vs_MS.NoTrt_B
SLC25A14	0.12143	-0.3089	0.213	0.27	1	HC_vs_MS.NoTrt_B
GNG4	0.12157	0.3795	0.677	0.64	1	HC_vs_MS.NoTrt_B
ZNF620	0.12187	0.49436	0.716	0.72	1	HC_vs_MS.NoTrt_B
MTIF3	0.12215	-0.3882	0.183	0.23	1	HC_vs_MS.NoTrt_B
HNF1B	0.12262	0.37943	0.17	0.12	1	HC_vs_MS.NoTrt_B
TPCN1	0.12262	0.3391	0.42	0.5	1	HC_vs_MS.NoTrt_B
JAZF1	0.12281	0.88381	0.086	0.12	1	HC_vs_MS.NoTrt_B
PTCHD4	0.12281	0.37632	0.168	0.12	1	HC_vs_MS.NoTrt_B
IQSEC1	0.12284	1.36014	0.254	0.21	1	HC_vs_MS.NoTrt_B
USP30	0.12306	-0.2689	0.267	0.33	1	HC_vs_MS.NoTrt_B
MYT1L	0.12317	0.26657	0.623	0.58	1	HC_vs_MS.NoTrt_B
SLC13A5	0.12342	0.29422	0.746	0.77	1	HC_vs_MS.NoTrt_B
ACAD11	0.12364	-0.3676	0.184	0.23	1	HC_vs_MS.NoTrt_B
PPRC1	0.12366	1.25316	0.113	0.08	1	HC_vs_MS.NoTrt_B
GGCX	0.12388	0.78852	0.891	0.94	1	HC_vs_MS.NoTrt_B
CFAP69	0.12396	0.34124	0.801	0.86	1	HC_vs_MS.NoTrt_B

SERINC5	0.12433	0.43447	0.899	0.89	1	HC_vs_MS.NoTrt_B
RPL26L1	0.1244	-0.356	0.112	0.15	1	HC_vs_MS.NoTrt_B
PSPH	0.12452	0.36114	0.83	0.82	1	HC_vs_MS.NoTrt_B
PEX13	0.12472	0.43304	0.762	0.76	1	HC_vs_MS.NoTrt_B
ZNF470	0.125	0.81894	0.714	0.74	1	HC_vs_MS.NoTrt_B
TDGF1	0.1251	0.35173	0.516	0.5	1	HC_vs_MS.NoTrt_B
TEX10	0.12518	-0.4742	0.465	0.52	1	HC_vs_MS.NoTrt_B
SLK	0.12534	0.8597	0.196	0.15	1	HC_vs_MS.NoTrt_B
ISCA2	0.12564	-0.2584	0.467	0.54	1	HC_vs_MS.NoTrt_B
PDLIM5	0.12566	0.69722	0.872	0.88	1	HC_vs_MS.NoTrt_B
HSPE1	0.12572	0.28488	0.23	0.29	1	HC_vs_MS.NoTrt_B
NCOA7	0.12576	0.49713	0.745	0.74	1	HC_vs_MS.NoTrt_B
TIGD6	0.12584	1.65883	0.188	0.14	1	HC_vs_MS.NoTrt_B
RTN4	0.12623	0.69711	0.264	0.22	1	HC_vs_MS.NoTrt_B
STX3	0.12653	0.39344	0.377	0.34	1	HC_vs_MS.NoTrt_B
PHF7	0.12692	-0.68	0.459	0.54	1	HC_vs_MS.NoTrt_B
ADGRF1	0.12706	0.35474	0.775	0.79	1	HC_vs_MS.NoTrt_B
AMMECR1	0.12712	0.28148	0.132	0.18	1	HC_vs_MS.NoTrt_B
MMS22L	0.12718	0.3698	0.909	0.92	1	HC_vs_MS.NoTrt_B
MED17	0.12721	0.26665	0.945	0.97	1	HC_vs_MS.NoTrt_B
DUSP12	0.12723	-0.357	0.291	0.35	1	HC_vs_MS.NoTrt_B
KIAA0408	0.12729	0.34496	0.27	0.22	1	HC_vs_MS.NoTrt_B
MON1B	0.12746	0.32743	0.667	0.61	1	HC_vs_MS.NoTrt_B
FN3KRP	0.12749	-0.3525	0.07	0.1	1	HC_vs_MS.NoTrt_B
MPI	0.1275	-0.4876	0.513	0.54	1	HC_vs_MS.NoTrt_B
PHF20	0.12756	0.31084	0.478	0.56	1	HC_vs_MS.NoTrt_B
CD164	0.12767	0.3211	0.63	0.69	1	HC_vs_MS.NoTrt_B
TMEM169	0.12772	-0.3286	0.488	0.6	1	HC_vs_MS.NoTrt_B
MVB12A	0.12801	-0.3879	0.514	0.6	1	HC_vs_MS.NoTrt_B
ABCB7	0.12806	0.66995	0.613	0.7	1	HC_vs_MS.NoTrt_B
SLC23A2	0.12834	-0.2851	0.13	0.17	1	HC_vs_MS.NoTrt_B
PXYLP1	0.12839	1.32187	0.5	0.47	1	HC_vs_MS.NoTrt_B
GTF2H4	0.12844	-1.032	0.07	0.1	1	HC_vs_MS.NoTrt_B
TBC1D9B	0.12847	-0.3589	0.457	0.51	1	HC_vs_MS.NoTrt_B
ZBTB38	0.12849	0.52149	0.535	0.61	1	HC_vs_MS.NoTrt_B
MPPE1	0.1286	-0.3003	0.849	0.87	1	HC_vs_MS.NoTrt_B
PPIP5K2	0.12868	0.68727	0.809	0.86	1	HC_vs_MS.NoTrt_B
GPRC5A	0.12911	0.42101	0.613	0.6	1	HC_vs_MS.NoTrt_B
KIF6	0.12929	0.32141	0.849	0.9	1	HC_vs_MS.NoTrt_B
LPAR3	0.12938	0.26472	0.393	0.35	1	HC_vs_MS.NoTrt_B

SLC9A4	0.12986	0.44562	0.483	0.47	1	HC_vs_MS.NoTrt_B
LRRRC37B	0.12989	0.33369	0.619	0.59	1	HC_vs_MS.NoTrt_B
SDSL	0.1299	0.74129	0.328	0.29	1	HC_vs_MS.NoTrt_B
TNFRSF10A	0.12998	0.39392	0.567	0.51	1	HC_vs_MS.NoTrt_B
TM9SF1	0.13008	-0.2748	0.232	0.29	1	HC_vs_MS.NoTrt_B
SLC4A1	0.13012	0.32668	0.671	0.67	1	HC_vs_MS.NoTrt_B
KLHL21	0.13039	-0.6143	0.646	0.7	1	HC_vs_MS.NoTrt_B
TXLNG	0.1304	1.34226	0.119	0.08	1	HC_vs_MS.NoTrt_B
ARID3B	0.13047	0.26767	0.712	0.69	1	HC_vs_MS.NoTrt_B
MROH1	0.13058	0.26195	0.499	0.43	1	HC_vs_MS.NoTrt_B
ZNF121	0.13074	0.25619	0.878	0.9	1	HC_vs_MS.NoTrt_B
CLASP2	0.13092	0.88919	0.7	0.71	1	HC_vs_MS.NoTrt_B
RIN1	0.13092	-0.4424	0.197	0.25	1	HC_vs_MS.NoTrt_B
KIN	0.13121	0.31301	0.72	0.74	1	HC_vs_MS.NoTrt_B
WNT2B	0.13124	0.83225	0.455	0.41	1	HC_vs_MS.NoTrt_B
PLEKHD1	0.13128	0.38255	0.706	0.7	1	HC_vs_MS.NoTrt_B
BCL7A	0.13137	0.39502	0.649	0.64	1	HC_vs_MS.NoTrt_B
TRPM8	0.13155	0.25669	0.659	0.67	1	HC_vs_MS.NoTrt_B
SELK	0.13159	-0.3247	0.342	0.38	1	HC_vs_MS.NoTrt_B
RYK	0.13161	1.16785	0.071	0.11	1	HC_vs_MS.NoTrt_B
FAH	0.13174	0.39612	0.141	0.19	1	HC_vs_MS.NoTrt_B
SLC36A2	0.13178	0.3551	0.619	0.67	1	HC_vs_MS.NoTrt_B
INTS6	0.13203	0.32651	0.928	0.94	1	HC_vs_MS.NoTrt_B
FCRL5	0.13206	0.53365	0.472	0.46	1	HC_vs_MS.NoTrt_B
DEDD	0.13211	0.28961	0.125	0.17	1	HC_vs_MS.NoTrt_B
TNFRSF11A	0.13213	0.88842	0.228	0.18	1	HC_vs_MS.NoTrt_B
PAXIP1	0.13237	-0.5899	0.435	0.5	1	HC_vs_MS.NoTrt_B
DECR2	0.13253	0.52514	0.801	0.8	1	HC_vs_MS.NoTrt_B
DRC3	0.13262	0.40144	0.591	0.54	1	HC_vs_MS.NoTrt_B
OSMR	0.13298	0.39469	0.49	0.46	1	HC_vs_MS.NoTrt_B
RNF144A	0.13315	0.89957	0.196	0.15	1	HC_vs_MS.NoTrt_B
FOSB	0.13328	0.4701	0.186	0.24	1	HC_vs_MS.NoTrt_B
CTD-3105H1	0.13336	0.48399	0.293	0.24	1	HC_vs_MS.NoTrt_B
TRMT10B	0.1334	0.55296	0.851	0.87	1	HC_vs_MS.NoTrt_B
ZCCHC10	0.1335	0.35432	0.586	0.56	1	HC_vs_MS.NoTrt_B
EPB41	0.1335	0.57068	0.454	0.59	1	HC_vs_MS.NoTrt_B
GATA3	0.1339	0.4762	0.246	0.32	1	HC_vs_MS.NoTrt_B
AC138517.6	0.1347	0.97104	0.081	0.12	1	HC_vs_MS.NoTrt_B
ATP5A1	0.13473	-0.3069	0.996	1	1	HC_vs_MS.NoTrt_B
DENND1A	0.13482	0.55098	0.435	0.38	1	HC_vs_MS.NoTrt_B

MGAT5	0.13489	-0.4794	0.143	0.18	1	HC_vs_MS.NoTrt_B
MS4A2	0.1349	0.2635	0.555	0.62	1	HC_vs_MS.NoTrt_B
CACNG8	0.13498	0.2597	0.751	0.76	1	HC_vs_MS.NoTrt_B
FAM193A	0.13499	0.99963	0.332	0.29	1	HC_vs_MS.NoTrt_B
ATRNL1	0.13513	0.31156	0.354	0.33	1	HC_vs_MS.NoTrt_B
TTPAL	0.13517	0.35723	0.791	0.8	1	HC_vs_MS.NoTrt_B
CD24	0.13529	0.35441	0.352	0.3	1	HC_vs_MS.NoTrt_B
SH3PXD2A	0.13535	0.34975	0.314	0.27	1	HC_vs_MS.NoTrt_B
TMEM132A	0.13539	0.50486	0.384	0.37	1	HC_vs_MS.NoTrt_B
MRRF	0.13546	0.74483	0.625	0.6	1	HC_vs_MS.NoTrt_B
TACO1	0.13558	1.08993	0.37	0.32	1	HC_vs_MS.NoTrt_B
GOLGA5	0.13615	-0.2527	0.084	0.12	1	HC_vs_MS.NoTrt_B
SAA2	0.13637	0.3181	0.396	0.35	1	HC_vs_MS.NoTrt_B
UBAP2	0.13669	0.63851	0.686	0.69	1	HC_vs_MS.NoTrt_B
AIM1	0.13682	-0.2775	0.486	0.55	1	HC_vs_MS.NoTrt_B
ZBTB33	0.13685	0.3886	0.083	0.12	1	HC_vs_MS.NoTrt_B
SLC8A1	0.137	-0.3837	0.304	0.24	1	HC_vs_MS.NoTrt_B
NSMCE4A	0.13712	-0.4346	0.32	0.37	1	HC_vs_MS.NoTrt_B
SARNP	0.13756	-0.277	0.559	0.61	1	HC_vs_MS.NoTrt_B
PPP1CC	0.13769	0.38871	0.764	0.75	1	HC_vs_MS.NoTrt_B
NRIP3	0.13773	0.34316	0.483	0.45	1	HC_vs_MS.NoTrt_B
DOCK10	0.1379	0.31805	0.599	0.68	1	HC_vs_MS.NoTrt_B
NOM1	0.13872	0.37595	0.614	0.58	1	HC_vs_MS.NoTrt_B
KLHL12	0.13878	-0.2803	0.075	0.11	1	HC_vs_MS.NoTrt_B
MRPS2	0.13882	-0.2519	0.074	0.11	1	HC_vs_MS.NoTrt_B
DHX38	0.13928	-0.2518	0.08	0.11	1	HC_vs_MS.NoTrt_B
FAM186A	0.13929	0.40679	0.407	0.37	1	HC_vs_MS.NoTrt_B
SLC35D1	0.13934	0.81142	0.27	0.35	1	HC_vs_MS.NoTrt_B
TMEM150C	0.13944	0.28838	0.541	0.5	1	HC_vs_MS.NoTrt_B
BRDT	0.13964	0.28568	0.546	0.52	1	HC_vs_MS.NoTrt_B
WBP2NL	0.14009	0.56909	0.384	0.34	1	HC_vs_MS.NoTrt_B
MCTP2	0.1401	0.62349	0.426	0.41	1	HC_vs_MS.NoTrt_B
GSTM3	0.14023	0.6664	0.506	0.46	1	HC_vs_MS.NoTrt_B
NOL12	0.14032	-0.2805	0.483	0.42	1	HC_vs_MS.NoTrt_B
SP2	0.14046	0.40724	0.3	0.37	1	HC_vs_MS.NoTrt_B
MT-CYB	0.14058	0.32931	0.738	0.76	1	HC_vs_MS.NoTrt_B
SMARCB1	0.14074	-0.2654	0.436	0.47	1	HC_vs_MS.NoTrt_B
FAM136A	0.14146	-0.3518	0.288	0.35	1	HC_vs_MS.NoTrt_B
STAMBPL1	0.14168	0.4541	0.507	0.48	1	HC_vs_MS.NoTrt_B
CTCF	0.14184	0.2698	0.825	0.87	1	HC_vs_MS.NoTrt_B

HLA-DRA	0.14209	-0.8158	0.116	0.15	1	HC_vs_MS.NoTrt_B
FMNL2	0.14222	-0.2585	0.248	0.3	1	HC_vs_MS.NoTrt_B
SMDT1	0.14251	0.31262	0.21	0.27	1	HC_vs_MS.NoTrt_B
CATSPERG	0.14265	0.28215	0.893	0.91	1	HC_vs_MS.NoTrt_B
NME9	0.14271	0.90198	0.201	0.16	1	HC_vs_MS.NoTrt_B
PARK2	0.14272	0.67599	0.604	0.57	1	HC_vs_MS.NoTrt_B
FAAP20	0.14298	0.63827	0.865	0.86	1	HC_vs_MS.NoTrt_B
AL078584.1	0.14312	-0.4255	0.409	0.47	1	HC_vs_MS.NoTrt_B
LDHC	0.14314	0.35526	0.184	0.14	1	HC_vs_MS.NoTrt_B
THOP1	0.14353	-0.5165	0.332	0.41	1	HC_vs_MS.NoTrt_B
AURKB	0.14359	-0.3822	0.423	0.38	1	HC_vs_MS.NoTrt_B
PSTPIP2	0.14383	-0.283	0.342	0.44	1	HC_vs_MS.NoTrt_B
PSMG3	0.14391	0.27887	0.593	0.69	1	HC_vs_MS.NoTrt_B
PCDHGA6	0.14457	0.26064	0.729	0.78	1	HC_vs_MS.NoTrt_B
DDX54	0.14457	-0.2509	0.099	0.14	1	HC_vs_MS.NoTrt_B
GRAMD1C	0.14564	0.44523	0.184	0.14	1	HC_vs_MS.NoTrt_B
CEP126	0.14566	0.66726	0.726	0.73	1	HC_vs_MS.NoTrt_B
HNF4G	0.14578	0.35405	0.333	0.3	1	HC_vs_MS.NoTrt_B
PHGDH	0.14599	0.34479	0.241	0.2	1	HC_vs_MS.NoTrt_B
KMT2A	0.14632	0.41219	0.943	0.93	1	HC_vs_MS.NoTrt_B
PRR14	0.14641	0.73818	0.114	0.16	1	HC_vs_MS.NoTrt_B
EML1	0.1465	0.31984	0.719	0.75	1	HC_vs_MS.NoTrt_B
PILRB	0.14672	-0.6662	0.419	0.44	1	HC_vs_MS.NoTrt_B
ZMYM1	0.14685	1.06021	0.549	0.51	1	HC_vs_MS.NoTrt_B
LMBR1	0.14696	0.56427	0.507	0.48	1	HC_vs_MS.NoTrt_B
P2RX7	0.14703	0.30807	0.749	0.75	1	HC_vs_MS.NoTrt_B
ZGRF1	0.14703	0.75681	0.755	0.78	1	HC_vs_MS.NoTrt_B
PJA2	0.14788	0.47116	0.219	0.28	1	HC_vs_MS.NoTrt_B
C3orf62	0.1482	0.7283	0.758	0.77	1	HC_vs_MS.NoTrt_B
SFXN2	0.14822	0.63162	0.935	0.9	1	HC_vs_MS.NoTrt_B
NIPAL3	0.14824	0.2991	0.765	0.77	1	HC_vs_MS.NoTrt_B
PMPCA	0.14842	-0.2829	0.675	0.76	1	HC_vs_MS.NoTrt_B
DTWD2	0.14858	0.37699	0.743	0.76	1	HC_vs_MS.NoTrt_B
NR1H3	0.14875	0.88006	0.112	0.15	1	HC_vs_MS.NoTrt_B
MAGOHB	0.14886	0.76436	0.078	0.11	1	HC_vs_MS.NoTrt_B
DMWD	0.14905	0.34961	0.836	0.85	1	HC_vs_MS.NoTrt_B
MTCH2	0.14913	-0.4648	0.1	0.14	1	HC_vs_MS.NoTrt_B
NFKB2	0.14971	0.37178	0.341	0.43	1	HC_vs_MS.NoTrt_B
ACSF2	0.14982	-0.3476	0.47	0.44	1	HC_vs_MS.NoTrt_B
AFAP1	0.14991	0.54864	0.391	0.35	1	HC_vs_MS.NoTrt_B

CALB1	0.14996	0.44443	0.151	0.11	1	HC_vs_MS.NoTrt_B
IKZF1	0.15009	0.27161	0.348	0.43	1	HC_vs_MS.NoTrt_B
ZNF592	0.1501	0.34089	0.167	0.22	1	HC_vs_MS.NoTrt_B
RIOK2	0.15042	0.79101	0.319	0.27	1	HC_vs_MS.NoTrt_B
GOLGA8R	0.15058	0.4096	0.439	0.53	1	HC_vs_MS.NoTrt_B
SPECC1L	0.1506	0.87681	0.136	0.1	1	HC_vs_MS.NoTrt_B
IZUMO1	0.15071	0.26006	0.628	0.61	1	HC_vs_MS.NoTrt_B
MRPL57	0.15076	-0.2576	0.672	0.71	1	HC_vs_MS.NoTrt_B
GALNT4	0.15103	-0.3051	0.386	0.44	1	HC_vs_MS.NoTrt_B
GGA1	0.15134	0.42988	0.968	0.97	1	HC_vs_MS.NoTrt_B
KMT5B	0.15139	0.63144	0.294	0.24	1	HC_vs_MS.NoTrt_B
RAB14	0.15203	0.50379	0.201	0.26	1	HC_vs_MS.NoTrt_B
DPH3	0.15205	0.71034	0.238	0.19	1	HC_vs_MS.NoTrt_B
SLC9A7	0.15245	0.39646	0.938	0.94	1	HC_vs_MS.NoTrt_B
TXNL1	0.15275	0.3442	0.629	0.71	1	HC_vs_MS.NoTrt_B
NKD1	0.15299	0.25577	0.394	0.49	1	HC_vs_MS.NoTrt_B
TMEM130	0.15309	0.31416	0.661	0.67	1	HC_vs_MS.NoTrt_B
DST	0.15313	0.49404	0.755	0.79	1	HC_vs_MS.NoTrt_B
TMEM64	0.15319	0.71936	0.358	0.32	1	HC_vs_MS.NoTrt_B
MAPK13	0.15321	-0.3601	0.638	0.71	1	HC_vs_MS.NoTrt_B
TEX35	0.15373	0.28458	0.312	0.27	1	HC_vs_MS.NoTrt_B
BMP1	0.15383	0.35604	0.535	0.51	1	HC_vs_MS.NoTrt_B
RP11-9J18.1	0.15387	0.54045	0.262	0.22	1	HC_vs_MS.NoTrt_B
ACSM2A	0.1539	0.47639	0.467	0.49	1	HC_vs_MS.NoTrt_B
EPT1	0.15399	0.27037	0.336	0.4	1	HC_vs_MS.NoTrt_B
MGMT	0.15402	-0.3011	0.071	0.1	1	HC_vs_MS.NoTrt_B
KLHL26	0.15416	0.92262	0.574	0.57	1	HC_vs_MS.NoTrt_B
MAATS1	0.15452	0.40674	0.2	0.25	1	HC_vs_MS.NoTrt_B
TXNL4A	0.15466	-0.6112	0.471	0.52	1	HC_vs_MS.NoTrt_B
USP33	0.15536	0.2911	0.945	0.94	1	HC_vs_MS.NoTrt_B
TAF4	0.15539	0.36476	0.123	0.16	1	HC_vs_MS.NoTrt_B
ZNF672	0.15604	-0.4826	0.236	0.28	1	HC_vs_MS.NoTrt_B
CHD8	0.1562	0.41777	0.365	0.31	1	HC_vs_MS.NoTrt_B
NFASC	0.15647	0.42038	0.584	0.59	1	HC_vs_MS.NoTrt_B
ZNF133	0.15679	-0.2831	0.449	0.41	1	HC_vs_MS.NoTrt_B
NDUFAF5	0.15684	0.62797	0.538	0.54	1	HC_vs_MS.NoTrt_B
AUH	0.15801	-0.2517	0.09	0.12	1	HC_vs_MS.NoTrt_B
CDKL1	0.15802	0.42444	0.704	0.68	1	HC_vs_MS.NoTrt_B
GMCL1	0.15821	0.55972	0.32	0.38	1	HC_vs_MS.NoTrt_B
WDR82	0.15824	-0.3892	0.384	0.44	1	HC_vs_MS.NoTrt_B



ABCB5	0.15846	0.28348	0.583	0.55	1	HC_vs_MS.NoTrt_B
TRDMT1	0.1591	0.71832	0.726	0.74	1	HC_vs_MS.NoTrt_B
CEP170	0.15925	0.4836	0.549	0.63	1	HC_vs_MS.NoTrt_B
SIL1	0.15937	-0.6804	0.077	0.11	1	HC_vs_MS.NoTrt_B
RDX	0.15942	-0.3105	0.236	0.29	1	HC_vs_MS.NoTrt_B
THRA	0.15943	1.17669	0.142	0.1	1	HC_vs_MS.NoTrt_B
TMEM267	0.15951	0.53243	0.286	0.23	1	HC_vs_MS.NoTrt_B
LSG1	0.15984	-0.5265	0.361	0.42	1	HC_vs_MS.NoTrt_B
CCDC27	0.1599	0.29889	0.564	0.54	1	HC_vs_MS.NoTrt_B
MTM1	0.16062	-0.3775	0.135	0.17	1	HC_vs_MS.NoTrt_B
KLF3	0.16073	0.2871	0.639	0.74	1	HC_vs_MS.NoTrt_B
NIP7	0.16085	-0.5556	0.606	0.66	1	HC_vs_MS.NoTrt_B
MYO15A	0.161	0.28321	0.781	0.82	1	HC_vs_MS.NoTrt_B
OLFML1	0.16108	0.4545	0.225	0.28	1	HC_vs_MS.NoTrt_B
USP42	0.16135	0.44839	0.449	0.41	1	HC_vs_MS.NoTrt_B
MZF1	0.16145	0.42334	0.084	0.12	1	HC_vs_MS.NoTrt_B
ADAMTS16	0.16151	0.55923	0.323	0.29	1	HC_vs_MS.NoTrt_B
CCDC155	0.16162	-0.4621	0.117	0.16	1	HC_vs_MS.NoTrt_B
NBPF11	0.16192	0.42472	0.257	0.32	1	HC_vs_MS.NoTrt_B
GRPEL2	0.16197	0.33686	0.294	0.34	1	HC_vs_MS.NoTrt_B
CRBN	0.16204	0.44642	0.467	0.55	1	HC_vs_MS.NoTrt_B
SLA2	0.16225	-0.3711	0.522	0.58	1	HC_vs_MS.NoTrt_B
SUGP2	0.16249	-0.3902	0.709	0.78	1	HC_vs_MS.NoTrt_B
GNS	0.16283	0.82762	0.739	0.72	1	HC_vs_MS.NoTrt_B
EPHA4	0.16295	-0.3299	0.184	0.23	1	HC_vs_MS.NoTrt_B
DNHD1	0.16339	0.90922	0.316	0.27	1	HC_vs_MS.NoTrt_B
FLOT1	0.16341	0.70843	0.123	0.09	1	HC_vs_MS.NoTrt_B
COQ9	0.1642	-0.4364	0.072	0.1	1	HC_vs_MS.NoTrt_B
KIDINS220	0.16428	0.30974	0.272	0.22	1	HC_vs_MS.NoTrt_B
WDFY3	0.16434	0.25606	0.261	0.22	1	HC_vs_MS.NoTrt_B
BRIX1	0.16453	0.3431	0.665	0.61	1	HC_vs_MS.NoTrt_B
KCNN2	0.16455	0.3781	0.255	0.22	1	HC_vs_MS.NoTrt_B
BMP8B	0.16472	0.43277	0.403	0.37	1	HC_vs_MS.NoTrt_B
CFAP36	0.16474	0.35868	0.412	0.38	1	HC_vs_MS.NoTrt_B
ZNF543	0.1648	0.5549	0.477	0.45	1	HC_vs_MS.NoTrt_B
TSC1	0.16483	-0.3599	0.478	0.55	1	HC_vs_MS.NoTrt_B
PDE7B	0.16488	0.47923	0.381	0.34	1	HC_vs_MS.NoTrt_B
LATS1	0.16491	0.42347	0.654	0.74	1	HC_vs_MS.NoTrt_B
PAK6	0.1655	0.55456	0.155	0.11	1	HC_vs_MS.NoTrt_B
CRCP	0.16558	-0.4253	0.862	0.89	1	HC_vs_MS.NoTrt_B

DONSON	0.16564	-0.7036	0.154	0.2	1	HC_vs_MS.NoTrt_B
ZNF330	0.16569	-0.2946	0.072	0.1	1	HC_vs_MS.NoTrt_B
IGSF9	0.16577	0.42872	0.304	0.27	1	HC_vs_MS.NoTrt_B
RP5-994D16	0.16601	0.35183	0.462	0.57	1	HC_vs_MS.NoTrt_B
DDX55	0.16605	0.50224	0.641	0.71	1	HC_vs_MS.NoTrt_B
TRIM33	0.16607	0.32576	0.288	0.34	1	HC_vs_MS.NoTrt_B
TOB1	0.16617	0.43017	0.486	0.48	1	HC_vs_MS.NoTrt_B
MSH3	0.16643	0.48567	0.42	0.4	1	HC_vs_MS.NoTrt_B
DEPDC5	0.16674	-0.4896	0.783	0.77	1	HC_vs_MS.NoTrt_B
MEI1	0.1675	-0.5947	0.725	0.76	1	HC_vs_MS.NoTrt_B
SCHIP1	0.16758	0.50134	0.532	0.53	1	HC_vs_MS.NoTrt_B
RP11-544M1	0.16804	-0.5713	0.219	0.18	1	HC_vs_MS.NoTrt_B
CNN1	0.16808	0.3363	0.543	0.54	1	HC_vs_MS.NoTrt_B
DNAH1	0.16861	1.01269	0.143	0.11	1	HC_vs_MS.NoTrt_B
NBPF3	0.16908	1.06006	0.451	0.44	1	HC_vs_MS.NoTrt_B
MLH3	0.1691	0.48592	0.086	0.12	1	HC_vs_MS.NoTrt_B
HYAL1	0.1692	0.50841	0.355	0.32	1	HC_vs_MS.NoTrt_B
GSK3B	0.16924	0.28647	0.712	0.72	1	HC_vs_MS.NoTrt_B
VIPR2	0.16925	0.28928	0.241	0.2	1	HC_vs_MS.NoTrt_B
OPRM1	0.16945	0.303	0.836	0.89	1	HC_vs_MS.NoTrt_B
AGBL2	0.16945	0.75102	0.299	0.25	1	HC_vs_MS.NoTrt_B
AAR2	0.17006	0.86824	0.249	0.21	1	HC_vs_MS.NoTrt_B
RNF20	0.17014	-0.3771	0.091	0.12	1	HC_vs_MS.NoTrt_B
ZNF589	0.17021	-0.4921	0.459	0.52	1	HC_vs_MS.NoTrt_B
CDK19	0.17022	1.53721	0.313	0.28	1	HC_vs_MS.NoTrt_B
BRCC3	0.17024	0.30814	0.248	0.2	1	HC_vs_MS.NoTrt_B
ANGEL1	0.17064	-0.8915	0.374	0.42	1	HC_vs_MS.NoTrt_B
ABCG8	0.17072	0.26584	0.614	0.62	1	HC_vs_MS.NoTrt_B
FAM103A1	0.17087	0.30276	0.101	0.14	1	HC_vs_MS.NoTrt_B
BRD7	0.17134	0.85991	0.522	0.52	1	HC_vs_MS.NoTrt_B
SPINK9	0.17136	0.44546	0.672	0.75	1	HC_vs_MS.NoTrt_B
HEXIM1	0.17148	0.41178	0.193	0.25	1	HC_vs_MS.NoTrt_B
PIGM	0.17164	-0.3613	0.587	0.54	1	HC_vs_MS.NoTrt_B
SPAG7	0.17186	-0.2931	0.851	0.88	1	HC_vs_MS.NoTrt_B
AZU1	0.17238	0.30016	0.201	0.16	1	HC_vs_MS.NoTrt_B
GLMP	0.17248	0.26999	0.755	0.76	1	HC_vs_MS.NoTrt_B
GJB7	0.17249	0.78185	0.1	0.14	1	HC_vs_MS.NoTrt_B
SNX9	0.17249	0.26201	0.087	0.12	1	HC_vs_MS.NoTrt_B
HABP4	0.17264	0.28812	0.104	0.14	1	HC_vs_MS.NoTrt_B
TP53BP2	0.1727	0.959	0.135	0.18	1	HC_vs_MS.NoTrt_B

ZNF138	0.17275	1.11256	0.072	0.1	1	HC_vs_MS.NoTrt_B
ADAMTS17	0.17279	0.45847	0.194	0.16	1	HC_vs_MS.NoTrt_B
ATPAF2	0.1729	0.48508	0.465	0.45	1	HC_vs_MS.NoTrt_B
IGSF6	0.17309	0.26062	0.626	0.62	1	HC_vs_MS.NoTrt_B
THUMPD2	0.1732	-0.3101	0.345	0.4	1	HC_vs_MS.NoTrt_B
MFSD6	0.17329	0.55677	0.149	0.11	1	HC_vs_MS.NoTrt_B
HSPB9	0.17336	0.44291	0.203	0.25	1	HC_vs_MS.NoTrt_B
KIAA2013	0.17344	-0.7327	0.307	0.36	1	HC_vs_MS.NoTrt_B
SDF2	0.17357	-0.3444	0.162	0.2	1	HC_vs_MS.NoTrt_B
WDR97	0.17384	0.29263	0.474	0.44	1	HC_vs_MS.NoTrt_B
LPCAT2	0.17389	0.36093	0.325	0.29	1	HC_vs_MS.NoTrt_B
CDC20B	0.17393	0.28151	0.601	0.63	1	HC_vs_MS.NoTrt_B
NBPF20	0.17406	0.56817	0.317	0.27	1	HC_vs_MS.NoTrt_B
UVSSA	0.17419	0.7793	0.746	0.72	1	HC_vs_MS.NoTrt_B
AKTIP	0.1744	-0.2844	0.562	0.63	1	HC_vs_MS.NoTrt_B
ILVBL	0.17443	-0.4917	0.259	0.21	1	HC_vs_MS.NoTrt_B
TRAF3IP1	0.17489	0.87378	0.371	0.35	1	HC_vs_MS.NoTrt_B
CYLD	0.17509	0.42059	0.728	0.72	1	HC_vs_MS.NoTrt_B
FOXM1	0.17547	0.41498	0.686	0.68	1	HC_vs_MS.NoTrt_B
RAB11FIP3	0.17593	0.33924	0.213	0.17	1	HC_vs_MS.NoTrt_B
PHLPP1	0.17617	0.28615	0.719	0.74	1	HC_vs_MS.NoTrt_B
MAT2A	0.17641	0.30181	0.126	0.17	1	HC_vs_MS.NoTrt_B
HEXA	0.17651	-0.4042	0.72	0.76	1	HC_vs_MS.NoTrt_B
PAQR8	0.17742	0.69033	0.51	0.47	1	HC_vs_MS.NoTrt_B
STXBP5	0.17818	0.58483	0.199	0.16	1	HC_vs_MS.NoTrt_B
MVB12B	0.17831	1.33183	0.109	0.08	1	HC_vs_MS.NoTrt_B
SETD1B	0.17837	0.66269	0.201	0.16	1	HC_vs_MS.NoTrt_B
ATP6V0D1	0.17914	-0.6893	0.601	0.62	1	HC_vs_MS.NoTrt_B
RHNO1	0.17918	-0.4351	0.613	0.68	1	HC_vs_MS.NoTrt_B
GCSAML	0.17927	0.3453	0.328	0.3	1	HC_vs_MS.NoTrt_B
BSDC1	0.17927	-0.4024	0.484	0.51	1	HC_vs_MS.NoTrt_B
WRN	0.1796	0.45081	0.432	0.4	1	HC_vs_MS.NoTrt_B
COPS7A	0.17971	0.25903	0.284	0.23	1	HC_vs_MS.NoTrt_B
CPEB4	0.17994	0.51137	0.116	0.08	1	HC_vs_MS.NoTrt_B
INTS7	0.18029	0.96999	0.412	0.36	1	HC_vs_MS.NoTrt_B
FADS3	0.18041	0.43865	0.625	0.58	1	HC_vs_MS.NoTrt_B
ZCCHC9	0.18044	-0.4448	0.628	0.73	1	HC_vs_MS.NoTrt_B
IKBIP	0.18083	0.4705	0.439	0.4	1	HC_vs_MS.NoTrt_B
PLA2G4D	0.18101	0.26956	0.346	0.3	1	HC_vs_MS.NoTrt_B
IPP	0.18134	0.46772	0.43	0.38	1	HC_vs_MS.NoTrt_B

PCMTD1	0.1814	0.33029	0.275	0.35	1	HC_vs_MS.NoTrt_B
YBX3	0.18145	0.32772	0.706	0.74	1	HC_vs_MS.NoTrt_B
SHPRH	0.18163	0.59031	0.696	0.67	1	HC_vs_MS.NoTrt_B
PLEKHA3	0.18187	0.60775	0.783	0.75	1	HC_vs_MS.NoTrt_B
ARHGAP17	0.18194	0.25821	0.558	0.64	1	HC_vs_MS.NoTrt_B
TIMMDC1	0.18219	0.38183	0.086	0.12	1	HC_vs_MS.NoTrt_B
MIER1	0.1824	0.83015	0.707	0.75	1	HC_vs_MS.NoTrt_B
GTF3C4	0.18262	0.39268	0.29	0.35	1	HC_vs_MS.NoTrt_B
DENND5B	0.18264	0.27819	0.555	0.54	1	HC_vs_MS.NoTrt_B
LILRB3	0.1827	-0.8082	0.123	0.16	1	HC_vs_MS.NoTrt_B
NRG4	0.18273	0.33378	0.667	0.66	1	HC_vs_MS.NoTrt_B
C14orf1	0.18276	-0.6209	0.259	0.3	1	HC_vs_MS.NoTrt_B
C20orf144	0.18291	0.3486	0.362	0.33	1	HC_vs_MS.NoTrt_B
KIAA0556	0.1832	0.30609	0.259	0.31	1	HC_vs_MS.NoTrt_B
RIN3	0.18321	0.41602	0.401	0.36	1	HC_vs_MS.NoTrt_B
UBE2S	0.18346	0.31758	0.652	0.66	1	HC_vs_MS.NoTrt_B
PIKFYVE	0.18392	0.26627	0.365	0.42	1	HC_vs_MS.NoTrt_B
HECTD1	0.18418	0.31732	0.519	0.62	1	HC_vs_MS.NoTrt_B
XRCC3	0.18424	0.74558	0.422	0.38	1	HC_vs_MS.NoTrt_B
NR4A2	0.18452	1.70569	0.146	0.11	1	HC_vs_MS.NoTrt_B
CAMK2D	0.18474	0.3853	0.236	0.3	1	HC_vs_MS.NoTrt_B
ADSL	0.18477	0.51279	0.872	0.82	1	HC_vs_MS.NoTrt_B
IRF4	0.18513	0.52808	0.259	0.21	1	HC_vs_MS.NoTrt_B
DZANK1	0.18538	0.40123	0.707	0.72	1	HC_vs_MS.NoTrt_B
VTA1	0.1855	0.57341	0.33	0.4	1	HC_vs_MS.NoTrt_B
CHM	0.18569	0.62473	0.49	0.44	1	HC_vs_MS.NoTrt_B
ABHD14A	0.18578	-0.3736	0.457	0.51	1	HC_vs_MS.NoTrt_B
BORCS5	0.18632	0.68095	0.629	0.62	1	HC_vs_MS.NoTrt_B
CCDC58	0.18642	0.4481	0.299	0.36	1	HC_vs_MS.NoTrt_B
CD163	0.18645	0.37155	0.683	0.74	1	HC_vs_MS.NoTrt_B
APCDD1	0.18674	0.2592	0.372	0.34	1	HC_vs_MS.NoTrt_B
AMY2B	0.18679	0.34926	0.545	0.63	1	HC_vs_MS.NoTrt_B
CEP120	0.18715	-0.9462	0.094	0.12	1	HC_vs_MS.NoTrt_B
PEX11G	0.1874	0.3429	0.126	0.17	1	HC_vs_MS.NoTrt_B
INSR	0.18742	0.36699	0.462	0.44	1	HC_vs_MS.NoTrt_B
SUZ12	0.1876	0.41455	0.622	0.61	1	HC_vs_MS.NoTrt_B
PABPN1	0.18798	0.89793	0.196	0.16	1	HC_vs_MS.NoTrt_B
ZC3H18	0.18859	0.41528	0.725	0.71	1	HC_vs_MS.NoTrt_B
BRD9	0.18987	1.19297	0.146	0.11	1	HC_vs_MS.NoTrt_B
TTC39B	0.19001	0.27357	0.733	0.71	1	HC_vs_MS.NoTrt_B

FRG2C	0.19006	0.2716	0.162	0.13	1	HC_vs_MS.NoTrt_B
IKZF4	0.19011	0.5971	0.174	0.21	1	HC_vs_MS.NoTrt_B
SUN3	0.19015	0.25563	0.387	0.35	1	HC_vs_MS.NoTrt_B
ADIPOR2	0.19034	-0.4818	0.128	0.16	1	HC_vs_MS.NoTrt_B
BOD1L1	0.19038	0.8101	0.681	0.73	1	HC_vs_MS.NoTrt_B
TEX14	0.19042	0.83681	0.075	0.11	1	HC_vs_MS.NoTrt_B
DIEXF	0.19061	0.34803	0.461	0.41	1	HC_vs_MS.NoTrt_B
HMGXB4	0.19087	0.31395	0.091	0.12	1	HC_vs_MS.NoTrt_B
ZNF558	0.1911	0.31952	0.684	0.69	1	HC_vs_MS.NoTrt_B
DARS	0.19117	0.40603	0.296	0.37	1	HC_vs_MS.NoTrt_B
SLC38A9	0.19133	0.50828	0.371	0.45	1	HC_vs_MS.NoTrt_B
ITGA2	0.19136	0.39188	0.367	0.33	1	HC_vs_MS.NoTrt_B
KIAA1109	0.19217	0.40908	0.323	0.38	1	HC_vs_MS.NoTrt_B
MAPK14	0.19227	1.27977	0.142	0.11	1	HC_vs_MS.NoTrt_B
ZFP14	0.19228	0.54477	0.857	0.84	1	HC_vs_MS.NoTrt_B
TEPSIN	0.19262	0.33274	0.104	0.14	1	HC_vs_MS.NoTrt_B
RAB42	0.19292	0.3005	0.567	0.57	1	HC_vs_MS.NoTrt_B
ZC3H12C	0.19308	0.3933	0.097	0.13	1	HC_vs_MS.NoTrt_B
BRD4	0.19312	0.39536	0.351	0.41	1	HC_vs_MS.NoTrt_B
SLC2A6	0.19316	-0.3351	0.262	0.22	1	HC_vs_MS.NoTrt_B
CP	0.1932	1.16136	0.148	0.11	1	HC_vs_MS.NoTrt_B
LIPC	0.1937	1.02786	0.306	0.26	1	HC_vs_MS.NoTrt_B
BEND6	0.19398	0.27069	0.197	0.16	1	HC_vs_MS.NoTrt_B
BEST2	0.19409	0.2764	0.306	0.27	1	HC_vs_MS.NoTrt_B
NDUFAF7	0.19422	0.40031	0.37	0.33	1	HC_vs_MS.NoTrt_B
TRIM21	0.19427	-0.3108	0.116	0.15	1	HC_vs_MS.NoTrt_B
VCPIP1	0.19448	0.51994	0.449	0.41	1	HC_vs_MS.NoTrt_B
IPO7	0.19482	0.46805	0.4	0.36	1	HC_vs_MS.NoTrt_B
USP1	0.19488	0.40769	0.119	0.16	1	HC_vs_MS.NoTrt_B
JUND	0.19539	0.60431	0.162	0.13	1	HC_vs_MS.NoTrt_B
DUSP10	0.19544	0.26593	0.141	0.18	1	HC_vs_MS.NoTrt_B
PNPLA4	0.19554	-0.3253	0.284	0.34	1	HC_vs_MS.NoTrt_B
UQCC2	0.19573	-0.323	0.074	0.1	1	HC_vs_MS.NoTrt_B
DHFR	0.1959	0.30762	0.546	0.52	1	HC_vs_MS.NoTrt_B
HYLS1	0.19628	0.90595	0.39	0.37	1	HC_vs_MS.NoTrt_B
PSG5	0.19631	0.25163	0.317	0.28	1	HC_vs_MS.NoTrt_B
ACADM	0.19636	0.25064	0.18	0.14	1	HC_vs_MS.NoTrt_B
TIMD4	0.1964	0.37628	0.072	0.1	1	HC_vs_MS.NoTrt_B
KLK2	0.19641	0.48971	0.341	0.31	1	HC_vs_MS.NoTrt_B
DCP1B	0.19653	-0.3463	0.133	0.17	1	HC_vs_MS.NoTrt_B

CEP85	0.1969	-0.3777	0.083	0.11	1	HC_vs_MS.NoTrt_B
UBE2H	0.19714	0.73718	0.117	0.16	1	HC_vs_MS.NoTrt_B
IPO8	0.19722	0.77134	0.523	0.5	1	HC_vs_MS.NoTrt_B
ZNF248	0.19728	0.91071	0.149	0.11	1	HC_vs_MS.NoTrt_B
PHF14	0.19783	1.34346	0.117	0.09	1	HC_vs_MS.NoTrt_B
AKR1C1	0.19841	0.28872	0.229	0.28	1	HC_vs_MS.NoTrt_B
MRPL14	0.19847	0.32903	0.077	0.11	1	HC_vs_MS.NoTrt_B
NFKBIZ	0.19908	0.25456	0.336	0.41	1	HC_vs_MS.NoTrt_B
PSMC1	0.19924	-0.2532	0.42	0.44	1	HC_vs_MS.NoTrt_B
HSD17B7	0.19957	0.35783	0.548	0.51	1	HC_vs_MS.NoTrt_B
ZNF682	0.19978	-0.2542	0.37	0.42	1	HC_vs_MS.NoTrt_B
TMEM181	0.19985	-0.3297	0.504	0.55	1	HC_vs_MS.NoTrt_B
BAX	0.20005	-0.2541	0.367	0.4	1	HC_vs_MS.NoTrt_B
NAPB	0.20007	0.45823	0.403	0.36	1	HC_vs_MS.NoTrt_B
ZNF17	0.20012	1.36183	0.277	0.24	1	HC_vs_MS.NoTrt_B
GIPC1	0.20017	0.29536	0.474	0.43	1	HC_vs_MS.NoTrt_B
KIAA0513	0.20098	-0.7666	0.593	0.56	1	HC_vs_MS.NoTrt_B
HERC2	0.20123	0.48912	0.851	0.85	1	HC_vs_MS.NoTrt_B
ATF1	0.20127	0.47572	0.133	0.17	1	HC_vs_MS.NoTrt_B
TMPRSS4	0.20137	0.28376	0.53	0.52	1	HC_vs_MS.NoTrt_B
MECOM	0.2014	0.44588	0.378	0.36	1	HC_vs_MS.NoTrt_B
RIC8B	0.2014	0.3175	0.123	0.09	1	HC_vs_MS.NoTrt_B
TCP11L1	0.20143	0.71711	0.161	0.2	1	HC_vs_MS.NoTrt_B
C20orf196	0.20151	-0.542	0.355	0.41	1	HC_vs_MS.NoTrt_B
WDR75	0.20163	0.83428	0.32	0.27	1	HC_vs_MS.NoTrt_B
CAMKK1	0.20186	0.82137	0.148	0.2	1	HC_vs_MS.NoTrt_B
NMI	0.20227	-0.3282	0.274	0.31	1	HC_vs_MS.NoTrt_B
ABHD11	0.20229	0.35845	0.629	0.62	1	HC_vs_MS.NoTrt_B
ACAN	0.20274	0.45348	0.268	0.34	1	HC_vs_MS.NoTrt_B
RREB1	0.20275	0.81985	0.729	0.74	1	HC_vs_MS.NoTrt_B
NAA60	0.2028	0.25064	0.925	0.94	1	HC_vs_MS.NoTrt_B
ZNF559	0.20292	0.27059	0.67	0.69	1	HC_vs_MS.NoTrt_B
MECP2	0.2032	0.45899	0.907	0.92	1	HC_vs_MS.NoTrt_B
PIWIL3	0.20333	0.42699	0.345	0.31	1	HC_vs_MS.NoTrt_B
CYP2B6	0.20337	0.33802	0.607	0.62	1	HC_vs_MS.NoTrt_B
FADS6	0.20355	0.2702	0.539	0.52	1	HC_vs_MS.NoTrt_B
SVEP1	0.20377	0.34463	0.21	0.17	1	HC_vs_MS.NoTrt_B
CD36	0.2038	0.38178	0.555	0.55	1	HC_vs_MS.NoTrt_B
NAA15	0.20402	0.64187	0.739	0.74	1	HC_vs_MS.NoTrt_B
SEMA3D	0.20428	0.33635	0.514	0.5	1	HC_vs_MS.NoTrt_B

UTP20	0.20444	0.59979	0.486	0.57	1	HC_vs_MS.NoTrt_B
CLCN6	0.20447	0.92975	0.496	0.47	1	HC_vs_MS.NoTrt_B
ZNF585A	0.20448	0.58276	0.364	0.31	1	HC_vs_MS.NoTrt_B
STARD8	0.20465	0.39106	0.69	0.75	1	HC_vs_MS.NoTrt_B
FBXO25	0.20481	0.27898	0.358	0.32	1	HC_vs_MS.NoTrt_B
HIST1H1D	0.20483	1.37375	0.122	0.09	1	HC_vs_MS.NoTrt_B
ULBP3	0.20544	-0.483	0.491	0.59	1	HC_vs_MS.NoTrt_B
RP11-458D2	0.20588	0.52411	0.106	0.08	1	HC_vs_MS.NoTrt_B
ZNF28	0.20596	1.22298	0.777	0.77	1	HC_vs_MS.NoTrt_B
UBFD1	0.20597	0.35089	0.367	0.33	1	HC_vs_MS.NoTrt_B
NOTCH2NL	0.2063	0.69309	0.217	0.18	1	HC_vs_MS.NoTrt_B
BPHL	0.20656	0.43216	0.612	0.6	1	HC_vs_MS.NoTrt_B
ACSS3	0.20667	0.30354	0.267	0.23	1	HC_vs_MS.NoTrt_B
TUBGCP6	0.20745	0.31273	0.583	0.63	1	HC_vs_MS.NoTrt_B
MOB3B	0.20759	0.26778	0.577	0.56	1	HC_vs_MS.NoTrt_B
ZFYVE21	0.20778	0.6222	0.655	0.66	1	HC_vs_MS.NoTrt_B
AGK	0.20788	0.34964	0.18	0.23	1	HC_vs_MS.NoTrt_B
EPHX2	0.20795	0.56655	0.294	0.25	1	HC_vs_MS.NoTrt_B
RENBP	0.20857	0.43219	0.82	0.84	1	HC_vs_MS.NoTrt_B
SLC5A6	0.20873	-0.3873	0.075	0.1	1	HC_vs_MS.NoTrt_B
MKRN2OS	0.2088	0.5916	0.187	0.16	1	HC_vs_MS.NoTrt_B
IFNGR2	0.20881	0.48751	0.31	0.38	1	HC_vs_MS.NoTrt_B
MRPS28	0.20893	0.31539	0.596	0.59	1	HC_vs_MS.NoTrt_B
MYH10	0.20901	0.27026	0.083	0.11	1	HC_vs_MS.NoTrt_B
EFCAB14	0.20938	0.49877	0.28	0.24	1	HC_vs_MS.NoTrt_B
LAMB4	0.20993	0.4245	0.422	0.42	1	HC_vs_MS.NoTrt_B
ZNF197	0.2104	0.58474	0.467	0.44	1	HC_vs_MS.NoTrt_B
DNAJC19	0.2107	0.42959	0.228	0.28	1	HC_vs_MS.NoTrt_B
MYOZ3	0.21077	0.40652	0.243	0.3	1	HC_vs_MS.NoTrt_B
LUC7L	0.21082	0.25194	0.839	0.86	1	HC_vs_MS.NoTrt_B
ZNF12	0.21132	0.51446	0.329	0.28	1	HC_vs_MS.NoTrt_B
TCERG1	0.21156	0.63503	0.309	0.28	1	HC_vs_MS.NoTrt_B
TFAM	0.21166	0.44413	0.312	0.27	1	HC_vs_MS.NoTrt_B
ELK4	0.2119	0.72345	0.542	0.52	1	HC_vs_MS.NoTrt_B
FAM178B	0.21206	0.32082	0.613	0.6	1	HC_vs_MS.NoTrt_B
TFDP2	0.21209	0.31578	0.903	0.91	1	HC_vs_MS.NoTrt_B
ATF7	0.21254	0.34168	0.42	0.5	1	HC_vs_MS.NoTrt_B
DYDC1	0.21256	0.26842	0.584	0.58	1	HC_vs_MS.NoTrt_B
OR11A1	0.21285	0.37126	0.267	0.24	1	HC_vs_MS.NoTrt_B
PTPRM	0.21289	1.1977	0.203	0.17	1	HC_vs_MS.NoTrt_B

NABP1	0.21289	0.28645	0.757	0.82	1	HC_vs_MS.NoTrt_B
CYP4V2	0.21308	0.79036	0.707	0.69	1	HC_vs_MS.NoTrt_B
ABHD2	0.21312	-0.3495	0.622	0.71	1	HC_vs_MS.NoTrt_B
ZNF131	0.21367	-0.3224	0.812	0.84	1	HC_vs_MS.NoTrt_B
ARPC4-TTL1	0.21381	-0.3149	0.084	0.11	1	HC_vs_MS.NoTrt_B
JMJD1C	0.21417	0.47793	0.22	0.28	1	HC_vs_MS.NoTrt_B
ZNF678	0.21433	0.42838	0.172	0.14	1	HC_vs_MS.NoTrt_B
PLGLB1	0.21491	0.39108	0.119	0.16	1	HC_vs_MS.NoTrt_B
ERLIN2	0.21501	0.51365	0.358	0.32	1	HC_vs_MS.NoTrt_B
NUFIP2	0.21522	0.54797	0.471	0.46	1	HC_vs_MS.NoTrt_B
COTL1	0.21554	-0.3122	0.88	0.91	1	HC_vs_MS.NoTrt_B
SORT1	0.21571	0.58768	0.528	0.52	1	HC_vs_MS.NoTrt_B
TRAM2	0.21579	-0.3668	0.248	0.29	1	HC_vs_MS.NoTrt_B
MGST2	0.2158	-0.2589	0.157	0.2	1	HC_vs_MS.NoTrt_B
LYZ	0.21581	0.81195	0.406	0.38	1	HC_vs_MS.NoTrt_B
PINLYP	0.21593	0.29278	0.597	0.61	1	HC_vs_MS.NoTrt_B
RCL1	0.21599	1.30934	0.5	0.5	1	HC_vs_MS.NoTrt_B
IKBKAP	0.21678	0.71749	0.216	0.18	1	HC_vs_MS.NoTrt_B
SRPRA	0.21691	0.33413	0.238	0.29	1	HC_vs_MS.NoTrt_B
FANK1	0.21715	-0.4481	0.158	0.19	1	HC_vs_MS.NoTrt_B
TOPBP1	0.2178	0.57527	0.106	0.14	1	HC_vs_MS.NoTrt_B
ZNF286B	0.21806	1.00028	0.481	0.48	1	HC_vs_MS.NoTrt_B
PRKAB1	0.21818	0.28433	0.784	0.76	1	HC_vs_MS.NoTrt_B
THEMIS	0.21819	1.06151	0.194	0.16	1	HC_vs_MS.NoTrt_B
MAP1LC3C	0.21867	0.4297	0.374	0.36	1	HC_vs_MS.NoTrt_B
NDUFB5	0.21891	-0.3474	0.68	0.74	1	HC_vs_MS.NoTrt_B
FAN1	0.21911	0.76449	0.288	0.34	1	HC_vs_MS.NoTrt_B
TMEM168	0.21944	0.62944	0.51	0.48	1	HC_vs_MS.NoTrt_B
DLGAP4	0.21955	0.26639	0.149	0.19	1	HC_vs_MS.NoTrt_B
ZNF302	0.21957	0.30696	0.426	0.35	1	HC_vs_MS.NoTrt_B
NOTCH2	0.21968	0.88112	0.204	0.17	1	HC_vs_MS.NoTrt_B
MAP2K3	0.21991	-0.3741	0.116	0.15	1	HC_vs_MS.NoTrt_B
ADRB2	0.22054	1.51838	0.187	0.16	1	HC_vs_MS.NoTrt_B
UBN2	0.22079	0.7307	0.606	0.6	1	HC_vs_MS.NoTrt_B
SEMA4B	0.22115	0.37922	0.397	0.36	1	HC_vs_MS.NoTrt_B
PIGA	0.22157	-0.2672	0.39	0.43	1	HC_vs_MS.NoTrt_B
MFHAS1	0.22179	-0.2681	0.075	0.1	1	HC_vs_MS.NoTrt_B
GLYR1	0.22195	-0.267	0.391	0.43	1	HC_vs_MS.NoTrt_B
NOS3	0.22214	0.50074	0.362	0.44	1	HC_vs_MS.NoTrt_B
SLC12A2	0.22217	0.60533	0.526	0.63	1	HC_vs_MS.NoTrt_B



HOMER3	0.22234	-0.2588	0.32	0.28	1	HC_vs_MS.NoTrt_B
FAM46C	0.22285	1.01279	0.158	0.12	1	HC_vs_MS.NoTrt_B
VSTM1	0.2233	0.27166	0.296	0.25	1	HC_vs_MS.NoTrt_B
TUBGCP2	0.22333	-0.2783	0.761	0.78	1	HC_vs_MS.NoTrt_B
RP11-295P9	0.22339	-0.4955	0.08	0.11	1	HC_vs_MS.NoTrt_B
PHPT1	0.22361	-0.2729	0.106	0.14	1	HC_vs_MS.NoTrt_B
RAB1A	0.22402	0.64276	0.135	0.17	1	HC_vs_MS.NoTrt_B
PCBD2	0.22469	0.53632	0.799	0.83	1	HC_vs_MS.NoTrt_B
RP11-644F5	0.2252	0.46687	0.625	0.64	1	HC_vs_MS.NoTrt_B
ZFX	0.22561	0.25996	0.651	0.6	1	HC_vs_MS.NoTrt_B
MFN1	0.22569	0.3911	0.439	0.38	1	HC_vs_MS.NoTrt_B
LZTS1	0.22575	0.28017	0.325	0.4	1	HC_vs_MS.NoTrt_B
GCLM	0.22579	0.54619	0.672	0.68	1	HC_vs_MS.NoTrt_B
EFL1	0.2259	-0.3897	0.091	0.12	1	HC_vs_MS.NoTrt_B
HAP1	0.22649	0.37888	0.746	0.76	1	HC_vs_MS.NoTrt_B
SAAL1	0.22658	0.62561	0.074	0.1	1	HC_vs_MS.NoTrt_B
CALCRL	0.22697	0.31483	0.646	0.68	1	HC_vs_MS.NoTrt_B
KRT10	0.2273	0.41816	0.081	0.11	1	HC_vs_MS.NoTrt_B
ZNF160	0.22733	0.47107	0.593	0.56	1	HC_vs_MS.NoTrt_B
PNPLA8	0.22783	0.46909	0.333	0.4	1	HC_vs_MS.NoTrt_B
PTK6	0.22791	0.54117	0.332	0.4	1	HC_vs_MS.NoTrt_B
RFX3	0.22795	1.03389	0.194	0.16	1	HC_vs_MS.NoTrt_B
CTDSPL	0.22797	0.36808	0.235	0.2	1	HC_vs_MS.NoTrt_B
SOCS4	0.22802	0.3248	0.246	0.3	1	HC_vs_MS.NoTrt_B
HNRNPU	0.22855	0.3051	0.48	0.56	1	HC_vs_MS.NoTrt_B
BRAT1	0.2286	0.32953	0.317	0.27	1	HC_vs_MS.NoTrt_B
FXN	0.2286	0.34705	0.157	0.2	1	HC_vs_MS.NoTrt_B
NCR1	0.22868	0.72159	0.223	0.18	1	HC_vs_MS.NoTrt_B
PPP4R2	0.22876	0.48708	0.457	0.44	1	HC_vs_MS.NoTrt_B
APBB2	0.22889	0.44265	0.317	0.29	1	HC_vs_MS.NoTrt_B
SGPP2	0.22904	0.31782	0.332	0.28	1	HC_vs_MS.NoTrt_B
EPB41L2	0.2295	-0.4465	0.112	0.15	1	HC_vs_MS.NoTrt_B
UST	0.22961	-0.3521	0.272	0.31	1	HC_vs_MS.NoTrt_B
MTF1	0.22999	0.58297	0.267	0.23	1	HC_vs_MS.NoTrt_B
EIF4E2	0.2301	-0.3256	0.322	0.37	1	HC_vs_MS.NoTrt_B
ZNF257	0.23034	0.572	0.536	0.5	1	HC_vs_MS.NoTrt_B
BMP8A	0.23065	-0.3225	0.565	0.62	1	HC_vs_MS.NoTrt_B
ZNF700	0.2307	0.8493	0.148	0.2	1	HC_vs_MS.NoTrt_B
ST3GAL5	0.23086	-0.532	0.284	0.33	1	HC_vs_MS.NoTrt_B
HARS	0.23087	-0.2977	0.823	0.88	1	HC_vs_MS.NoTrt_B

TTC9C	0.23117	-0.3161	0.357	0.3	1	HC_vs_MS.NoTrt_B
BTG3	0.23143	-0.2853	0.232	0.27	1	HC_vs_MS.NoTrt_B
LAMA4	0.23166	0.3428	0.229	0.2	1	HC_vs_MS.NoTrt_B
JMY	0.23172	0.3159	0.259	0.22	1	HC_vs_MS.NoTrt_B
SULT2A1	0.23204	0.30159	0.7	0.72	1	HC_vs_MS.NoTrt_B
RTTN	0.23292	0.30529	0.239	0.22	1	HC_vs_MS.NoTrt_B
C6orf25	0.23345	0.7871	0.436	0.42	1	HC_vs_MS.NoTrt_B
PSD3	0.23348	0.8521	0.31	0.27	1	HC_vs_MS.NoTrt_B
FAM35A	0.23365	0.26294	0.103	0.14	1	HC_vs_MS.NoTrt_B
POLR3A	0.2338	0.33135	0.829	0.84	1	HC_vs_MS.NoTrt_B
RASGRP4	0.23387	-0.5839	0.472	0.5	1	HC_vs_MS.NoTrt_B
PBX2	0.23396	1.17527	0.12	0.09	1	HC_vs_MS.NoTrt_B
MRPL40	0.23417	-0.3348	0.394	0.45	1	HC_vs_MS.NoTrt_B
MITF	0.2345	0.4327	0.139	0.18	1	HC_vs_MS.NoTrt_B
FLT4	0.2346	0.33643	0.104	0.14	1	HC_vs_MS.NoTrt_B
IFI44L	0.23469	0.83009	0.2	0.16	1	HC_vs_MS.NoTrt_B
SCN2B	0.23481	-0.6572	0.312	0.27	1	HC_vs_MS.NoTrt_B
TTC14	0.23507	0.43746	0.399	0.46	1	HC_vs_MS.NoTrt_B
SETX	0.23534	0.40732	0.283	0.35	1	HC_vs_MS.NoTrt_B
NREP	0.23543	0.67901	0.191	0.16	1	HC_vs_MS.NoTrt_B
GEN1	0.23578	0.27099	0.741	0.77	1	HC_vs_MS.NoTrt_B
APOOL	0.23625	0.3879	0.771	0.78	1	HC_vs_MS.NoTrt_B
MIOS	0.23639	0.54082	0.271	0.32	1	HC_vs_MS.NoTrt_B
FAM222B	0.23656	0.29042	0.136	0.17	1	HC_vs_MS.NoTrt_B
FSD1L	0.23657	0.32772	0.229	0.2	1	HC_vs_MS.NoTrt_B
FOXK2	0.23675	-0.2934	0.252	0.29	1	HC_vs_MS.NoTrt_B
OVCA2	0.23678	0.32932	0.091	0.12	1	HC_vs_MS.NoTrt_B
TRAPPC6A	0.23738	-0.2506	0.178	0.22	1	HC_vs_MS.NoTrt_B
ZCCHC11	0.23747	0.37095	0.93	0.9	1	HC_vs_MS.NoTrt_B
BCAP29	0.23797	0.32559	0.374	0.34	1	HC_vs_MS.NoTrt_B
FAM107B	0.2385	0.47054	0.348	0.32	1	HC_vs_MS.NoTrt_B
PPARG	0.23865	0.28581	0.377	0.35	1	HC_vs_MS.NoTrt_B
SORBS1	0.23885	0.44021	0.219	0.18	1	HC_vs_MS.NoTrt_B
LETM2	0.23907	0.2626	0.667	0.67	1	HC_vs_MS.NoTrt_B
ATOX1	0.23918	0.69308	0.174	0.14	1	HC_vs_MS.NoTrt_B
PALLD	0.23948	-0.3246	0.338	0.3	1	HC_vs_MS.NoTrt_B
SCMH1	0.23962	0.41168	0.104	0.14	1	HC_vs_MS.NoTrt_B
MTPN	0.23964	0.28474	0.162	0.21	1	HC_vs_MS.NoTrt_B
F5	0.23967	0.69634	0.272	0.24	1	HC_vs_MS.NoTrt_B
ZC3H11A	0.2402	0.4749	0.204	0.17	1	HC_vs_MS.NoTrt_B

ZMYM3	0.241	0.54198	0.419	0.4	1	HC_vs_MS.NoTrt_B
ELF4	0.24101	0.29897	0.112	0.15	1	HC_vs_MS.NoTrt_B
SBNO1	0.24139	0.33023	0.645	0.6	1	HC_vs_MS.NoTrt_B
ANKRD49	0.24143	0.7782	0.157	0.2	1	HC_vs_MS.NoTrt_B
EDEM1	0.2419	0.33039	0.314	0.37	1	HC_vs_MS.NoTrt_B
KLHL6	0.24193	0.47187	0.729	0.73	1	HC_vs_MS.NoTrt_B
DISC1	0.24219	1.15268	0.486	0.44	1	HC_vs_MS.NoTrt_B
WAC	0.24268	0.35998	0.445	0.51	1	HC_vs_MS.NoTrt_B
WIPF2	0.24278	0.56526	0.772	0.82	1	HC_vs_MS.NoTrt_B
CYP7B1	0.24285	0.47445	0.428	0.42	1	HC_vs_MS.NoTrt_B
CDC14B	0.24296	0.44214	0.322	0.29	1	HC_vs_MS.NoTrt_B
GABRG3	0.24311	0.25758	0.348	0.31	1	HC_vs_MS.NoTrt_B
DMKN	0.24328	0.27028	0.471	0.43	1	HC_vs_MS.NoTrt_B
HSD17B2	0.24354	0.25247	0.749	0.77	1	HC_vs_MS.NoTrt_B
PELI1	0.24355	0.54771	0.172	0.22	1	HC_vs_MS.NoTrt_B
WNT10A	0.2438	0.72518	0.126	0.16	1	HC_vs_MS.NoTrt_B
CA12	0.24381	0.6508	0.265	0.22	1	HC_vs_MS.NoTrt_B
WDR60	0.24383	0.7474	0.133	0.1	1	HC_vs_MS.NoTrt_B
SMAD4	0.24425	0.38092	0.491	0.44	1	HC_vs_MS.NoTrt_B
EARS2	0.24443	0.29079	0.604	0.65	1	HC_vs_MS.NoTrt_B
HKR1	0.24448	0.26229	0.967	0.98	1	HC_vs_MS.NoTrt_B
THSD4	0.24481	0.49948	0.362	0.32	1	HC_vs_MS.NoTrt_B
TADA2B	0.24514	1.73335	0.317	0.3	1	HC_vs_MS.NoTrt_B
HSBP1L1	0.24535	-0.2561	0.365	0.41	1	HC_vs_MS.NoTrt_B
SMURF2	0.24541	0.49212	0.794	0.77	1	HC_vs_MS.NoTrt_B
ZFPM2	0.24576	0.43493	0.417	0.4	1	HC_vs_MS.NoTrt_B
FOXJ2	0.24592	0.50996	0.449	0.51	1	HC_vs_MS.NoTrt_B
TMEM40	0.24604	0.26829	0.772	0.79	1	HC_vs_MS.NoTrt_B
MYB	0.2469	0.55689	0.28	0.33	1	HC_vs_MS.NoTrt_B
BBS4	0.2473	-0.3594	0.077	0.1	1	HC_vs_MS.NoTrt_B
CACNA1G	0.24754	0.25174	0.184	0.16	1	HC_vs_MS.NoTrt_B
ABCD4	0.24825	0.26683	0.79	0.79	1	HC_vs_MS.NoTrt_B
PLEKHG3	0.24838	-0.6858	0.396	0.47	1	HC_vs_MS.NoTrt_B
SPDYE3	0.24881	0.52955	0.588	0.55	1	HC_vs_MS.NoTrt_B
TAOK2	0.24892	0.73822	0.103	0.08	1	HC_vs_MS.NoTrt_B
BID	0.24894	-0.4515	0.478	0.51	1	HC_vs_MS.NoTrt_B
FBXL17	0.24914	0.54128	0.243	0.21	1	HC_vs_MS.NoTrt_B
ZNF587B	0.24922	0.42022	0.336	0.3	1	HC_vs_MS.NoTrt_B
BBS9	0.24923	-0.3597	0.096	0.12	1	HC_vs_MS.NoTrt_B
AC240274.1	0.24935	1.10199	0.241	0.21	1	HC_vs_MS.NoTrt_B

VRK2	0.24969	-0.3362	0.212	0.25	1	HC_vs_MS.NoTrt_B
NATD1	0.24975	0.75876	0.481	0.46	1	HC_vs_MS.NoTrt_B
AFTPH	0.25026	0.41605	0.162	0.21	1	HC_vs_MS.NoTrt_B
DPP3	0.25048	0.39616	0.187	0.15	1	HC_vs_MS.NoTrt_B
GPR107	0.25094	0.74361	0.145	0.11	1	HC_vs_MS.NoTrt_B
KIF5B	0.25113	0.43871	0.262	0.34	1	HC_vs_MS.NoTrt_B
GDE1	0.25113	-1.1311	0.245	0.29	1	HC_vs_MS.NoTrt_B
TRPV1	0.25125	-0.2652	0.401	0.39	1	HC_vs_MS.NoTrt_B
CRLF2	0.25126	0.31376	0.3	0.28	1	HC_vs_MS.NoTrt_B
SYCP1	0.25163	0.30172	0.312	0.29	1	HC_vs_MS.NoTrt_B
PLA2G12A	0.25169	-0.2558	0.57	0.65	1	HC_vs_MS.NoTrt_B
PRKRIP1	0.25175	1.64814	0.13	0.1	1	HC_vs_MS.NoTrt_B
ADAT2	0.25184	0.5942	0.404	0.38	1	HC_vs_MS.NoTrt_B
CERKL	0.25218	0.27024	0.354	0.43	1	HC_vs_MS.NoTrt_B
CCDC13	0.25244	0.76892	0.32	0.3	1	HC_vs_MS.NoTrt_B
VSX1	0.25262	0.26493	0.17	0.21	1	HC_vs_MS.NoTrt_B
FUCA2	0.25337	0.36323	0.296	0.27	1	HC_vs_MS.NoTrt_B
DPH5	0.25339	-0.4792	0.343	0.38	1	HC_vs_MS.NoTrt_B
CCDC130	0.25359	0.28894	0.429	0.49	1	HC_vs_MS.NoTrt_B
USP13	0.25385	0.79554	0.259	0.23	1	HC_vs_MS.NoTrt_B
KIF1B	0.25394	0.47498	0.788	0.81	1	HC_vs_MS.NoTrt_B
BLOC1S4	0.25407	0.46283	0.149	0.18	1	HC_vs_MS.NoTrt_B
RFC4	0.25412	-0.5512	0.228	0.27	1	HC_vs_MS.NoTrt_B
UACA	0.25452	0.35716	0.404	0.38	1	HC_vs_MS.NoTrt_B
GFI1B	0.25461	0.41866	0.541	0.54	1	HC_vs_MS.NoTrt_B
ABCA5	0.25501	0.37475	0.6	0.68	1	HC_vs_MS.NoTrt_B
P3H4	0.25533	0.36294	0.896	0.9	1	HC_vs_MS.NoTrt_B
SCUBE2	0.25718	0.25153	0.304	0.28	1	HC_vs_MS.NoTrt_B
CEP295	0.25792	0.95381	0.565	0.56	1	HC_vs_MS.NoTrt_B
NPAP1	0.25802	0.38139	0.465	0.46	1	HC_vs_MS.NoTrt_B
FSTL4	0.25891	0.5457	0.155	0.13	1	HC_vs_MS.NoTrt_B
RANGAP1	0.25904	-0.442	0.659	0.71	1	HC_vs_MS.NoTrt_B
ZNF514	0.25905	0.38413	0.597	0.72	1	HC_vs_MS.NoTrt_B
GNLY	0.25909	1.27653	0.226	0.2	1	HC_vs_MS.NoTrt_B
C14orf80	0.25926	-1.0775	0.262	0.32	1	HC_vs_MS.NoTrt_B
ATRIP	0.25941	-0.3963	0.078	0.1	1	HC_vs_MS.NoTrt_B
ZNF346	0.25969	-0.2697	0.743	0.77	1	HC_vs_MS.NoTrt_B
TNFRSF9	0.25978	-0.4545	0.899	0.91	1	HC_vs_MS.NoTrt_B
JARID2	0.25981	0.26499	0.18	0.22	1	HC_vs_MS.NoTrt_B
DLG1	0.25983	0.62155	0.581	0.56	1	HC_vs_MS.NoTrt_B

SVIL	0.26048	0.53411	0.148	0.12	1	HC_vs_MS.NoTrt_B
OXNAD1	0.26058	0.6846	0.31	0.28	1	HC_vs_MS.NoTrt_B
PSEN2	0.26122	-1.3555	0.138	0.17	1	HC_vs_MS.NoTrt_B
NCAPH	0.26153	-0.4839	0.455	0.42	1	HC_vs_MS.NoTrt_B
ALG3	0.26161	0.48571	0.12	0.09	1	HC_vs_MS.NoTrt_B
CCDC85C	0.26195	0.84942	0.407	0.37	1	HC_vs_MS.NoTrt_B
SRFBP1	0.26216	0.66209	0.429	0.4	1	HC_vs_MS.NoTrt_B
MME	0.26227	0.45039	0.439	0.41	1	HC_vs_MS.NoTrt_B
SLC33A1	0.2624	-0.4354	0.893	0.89	1	HC_vs_MS.NoTrt_B
GPM6A	0.2626	0.26235	0.28	0.24	1	HC_vs_MS.NoTrt_B
ARHGAP35	0.26278	-0.5228	0.161	0.19	1	HC_vs_MS.NoTrt_B
GSDMD	0.26299	-0.375	0.794	0.82	1	HC_vs_MS.NoTrt_B
RGMA	0.26302	0.35164	0.652	0.64	1	HC_vs_MS.NoTrt_B
RP11-111H1	0.26328	0.30183	0.113	0.15	1	HC_vs_MS.NoTrt_B
METTL5	0.26359	-0.3984	0.464	0.48	1	HC_vs_MS.NoTrt_B
ACSM2B	0.2639	0.32701	0.522	0.53	1	HC_vs_MS.NoTrt_B
SULT1C4	0.26408	0.35271	0.554	0.57	1	HC_vs_MS.NoTrt_B
KLHL35	0.26443	-0.2895	0.364	0.42	1	HC_vs_MS.NoTrt_B
SCNN1A	0.2645	0.30874	0.729	0.78	1	HC_vs_MS.NoTrt_B
CCND2	0.26464	0.33504	0.381	0.44	1	HC_vs_MS.NoTrt_B
JAM2	0.26477	0.28784	0.5	0.51	1	HC_vs_MS.NoTrt_B
PTGES	0.26487	0.31685	0.481	0.48	1	HC_vs_MS.NoTrt_B
SHQ1	0.26525	0.67022	0.69	0.67	1	HC_vs_MS.NoTrt_B
ATG2B	0.26578	0.67929	0.296	0.36	1	HC_vs_MS.NoTrt_B
ZNF780B	0.26581	0.87412	0.588	0.6	1	HC_vs_MS.NoTrt_B
PALB2	0.26616	-0.3248	0.186	0.22	1	HC_vs_MS.NoTrt_B
UBXN7	0.26645	0.68921	0.787	0.78	1	HC_vs_MS.NoTrt_B
ZNF573	0.26647	0.28243	0.368	0.42	1	HC_vs_MS.NoTrt_B
DGKE	0.26665	0.2841	0.661	0.74	1	HC_vs_MS.NoTrt_B
C1orf27	0.26667	0.45056	0.155	0.19	1	HC_vs_MS.NoTrt_B
CHD9	0.26674	0.30717	0.345	0.4	1	HC_vs_MS.NoTrt_B
ZFP30	0.26684	0.3477	0.828	0.81	1	HC_vs_MS.NoTrt_B
ORAI3	0.26705	-0.5096	0.093	0.12	1	HC_vs_MS.NoTrt_B
PCSK6	0.26705	0.34542	0.633	0.63	1	HC_vs_MS.NoTrt_B
PREPL	0.26715	0.53751	0.683	0.67	1	HC_vs_MS.NoTrt_B
ELMO1	0.26718	0.35771	0.754	0.75	1	HC_vs_MS.NoTrt_B
PNPT1	0.26721	0.43406	0.855	0.88	1	HC_vs_MS.NoTrt_B
PTPRK	0.2675	0.34293	0.443	0.43	1	HC_vs_MS.NoTrt_B
DNAJC15	0.26777	-0.3661	0.175	0.21	1	HC_vs_MS.NoTrt_B
TPGS1	0.26833	0.77004	0.254	0.22	1	HC_vs_MS.NoTrt_B

THRAP3	0.2684	0.30435	0.349	0.42	1	HC_vs_MS.NoTrt_B
ZNF226	0.26858	-0.4618	0.523	0.47	1	HC_vs_MS.NoTrt_B
DHTKD1	0.26867	0.45139	0.806	0.83	1	HC_vs_MS.NoTrt_B
EBPL	0.26878	0.37858	0.706	0.73	1	HC_vs_MS.NoTrt_B
ELOF1	0.26905	-0.4669	0.581	0.62	1	HC_vs_MS.NoTrt_B
MED14	0.26966	1.34503	0.141	0.11	1	HC_vs_MS.NoTrt_B
OR6J1	0.26991	0.43605	0.68	0.69	1	HC_vs_MS.NoTrt_B
HIST1H2BE	0.26992	0.65719	0.265	0.31	1	HC_vs_MS.NoTrt_B
NLK	0.27021	1.25558	0.307	0.27	1	HC_vs_MS.NoTrt_B
OR52I1	0.27051	0.57014	0.458	0.44	1	HC_vs_MS.NoTrt_B
NRBP1	0.27057	-0.2904	0.593	0.63	1	HC_vs_MS.NoTrt_B
NAPEPLD	0.27082	0.64394	0.32	0.29	1	HC_vs_MS.NoTrt_B
PTPN2	0.27136	-0.3528	0.965	0.98	1	HC_vs_MS.NoTrt_B
UFL1	0.27143	0.4189	0.152	0.19	1	HC_vs_MS.NoTrt_B
KIAA1755	0.27147	0.39782	0.194	0.17	1	HC_vs_MS.NoTrt_B
THAP12	0.27152	0.50549	0.596	0.59	1	HC_vs_MS.NoTrt_B
RIC1	0.27159	0.68979	0.103	0.08	1	HC_vs_MS.NoTrt_B
CABYR	0.27185	0.33505	0.486	0.49	1	HC_vs_MS.NoTrt_B
ZSWIM1	0.27255	0.35224	0.681	0.76	1	HC_vs_MS.NoTrt_B
CACNA1F	0.27287	0.29838	0.251	0.22	1	HC_vs_MS.NoTrt_B
ACBD4	0.27295	-0.5623	0.317	0.35	1	HC_vs_MS.NoTrt_B
REST	0.27313	0.33428	0.17	0.21	1	HC_vs_MS.NoTrt_B
LYN	0.27322	0.27252	0.587	0.61	1	HC_vs_MS.NoTrt_B
FANCF	0.2735	0.37317	0.236	0.2	1	HC_vs_MS.NoTrt_B
B3GALT5	0.27362	0.30911	0.342	0.32	1	HC_vs_MS.NoTrt_B
RTCA	0.27364	-0.4008	0.526	0.57	1	HC_vs_MS.NoTrt_B
CDKN2AIP	0.27427	-0.2591	0.078	0.1	1	HC_vs_MS.NoTrt_B
PCNX2	0.27428	0.29389	0.925	0.95	1	HC_vs_MS.NoTrt_B
MLST8	0.27503	-0.2801	0.355	0.4	1	HC_vs_MS.NoTrt_B
NXF1	0.27536	0.26707	0.559	0.64	1	HC_vs_MS.NoTrt_B
GDF11	0.27569	0.45345	0.325	0.29	1	HC_vs_MS.NoTrt_B
SLC1A4	0.27587	0.73995	0.574	0.61	1	HC_vs_MS.NoTrt_B
ZDHC17	0.27591	0.53459	0.345	0.3	1	HC_vs_MS.NoTrt_B
SLC27A5	0.27604	0.29677	0.864	0.89	1	HC_vs_MS.NoTrt_B
MYO1F	0.27623	-0.262	0.848	0.85	1	HC_vs_MS.NoTrt_B
SLC13A3	0.27626	0.34877	0.299	0.28	1	HC_vs_MS.NoTrt_B
PON2	0.27684	1.45831	0.42	0.41	1	HC_vs_MS.NoTrt_B
DIAPH3	0.27701	0.45816	0.329	0.3	1	HC_vs_MS.NoTrt_B
FAM120C	0.2771	0.69403	0.274	0.25	1	HC_vs_MS.NoTrt_B
CTSC	0.27732	-0.321	0.894	0.92	1	HC_vs_MS.NoTrt_B

STEAP3	0.27758	0.5027	0.116	0.15	1	HC_vs_MS.NoTrt_B
SLC22A18	0.27876	1.07824	0.503	0.6	1	HC_vs_MS.NoTrt_B
AP1G1	0.27899	0.3536	0.667	0.74	1	HC_vs_MS.NoTrt_B
ERCC6L	0.27938	0.87446	0.117	0.15	1	HC_vs_MS.NoTrt_B
GP6	0.27955	0.41558	0.459	0.44	1	HC_vs_MS.NoTrt_B
ANKRD13D	0.28008	0.26532	0.668	0.67	1	HC_vs_MS.NoTrt_B
FASTKD1	0.28095	-0.2912	0.23	0.27	1	HC_vs_MS.NoTrt_B
ZNF71	0.28105	0.97759	0.204	0.25	1	HC_vs_MS.NoTrt_B
MED25	0.28151	0.85002	0.486	0.45	1	HC_vs_MS.NoTrt_B
GSKIP	0.28211	-0.419	0.096	0.12	1	HC_vs_MS.NoTrt_B
HECTD3	0.28249	1.15612	0.129	0.1	1	HC_vs_MS.NoTrt_B
FBXL20	0.28266	0.26151	0.912	0.9	1	HC_vs_MS.NoTrt_B
NOL6	0.28291	-0.5676	0.372	0.42	1	HC_vs_MS.NoTrt_B
ZNF224	0.28302	0.90378	0.458	0.47	1	HC_vs_MS.NoTrt_B
EID2B	0.28312	-0.3047	0.523	0.5	1	HC_vs_MS.NoTrt_B
OSBPL10	0.28366	0.498	0.391	0.35	1	HC_vs_MS.NoTrt_B
PABPC1	0.28378	0.26387	0.93	0.95	1	HC_vs_MS.NoTrt_B
MDM4	0.28414	0.3096	0.991	1	1	HC_vs_MS.NoTrt_B
PATL1	0.28423	0.38989	0.133	0.17	1	HC_vs_MS.NoTrt_B
FGFR4	0.2844	0.54976	0.393	0.36	1	HC_vs_MS.NoTrt_B
NRP2	0.28455	0.32696	0.372	0.35	1	HC_vs_MS.NoTrt_B
IFFO2	0.28466	0.54671	0.123	0.1	1	HC_vs_MS.NoTrt_B
MDFIC	0.28485	0.52466	0.296	0.35	1	HC_vs_MS.NoTrt_B
ITGAX	0.28486	0.30033	0.471	0.54	1	HC_vs_MS.NoTrt_B
DHRS2	0.28513	0.35427	0.329	0.3	1	HC_vs_MS.NoTrt_B
PPM1L	0.28558	0.41542	0.236	0.2	1	HC_vs_MS.NoTrt_B
CCDC88B	0.28561	0.56702	0.759	0.82	1	HC_vs_MS.NoTrt_B
CRX	0.28584	0.30795	0.697	0.76	1	HC_vs_MS.NoTrt_B
HACE1	0.28592	0.30423	0.655	0.65	1	HC_vs_MS.NoTrt_B
BAZ2A	0.28608	0.38609	0.665	0.68	1	HC_vs_MS.NoTrt_B
SFXN3	0.28622	-0.408	0.323	0.35	1	HC_vs_MS.NoTrt_B
VPS13B	0.28623	0.40746	0.735	0.71	1	HC_vs_MS.NoTrt_B
NUP210	0.28629	0.67755	0.52	0.5	1	HC_vs_MS.NoTrt_B
CD302	0.28643	0.98825	0.326	0.29	1	HC_vs_MS.NoTrt_B
SCYL2	0.28651	0.34551	0.11	0.14	1	HC_vs_MS.NoTrt_B
GSE1	0.28665	1.23496	0.338	0.32	1	HC_vs_MS.NoTrt_B
PIP5K1A	0.28678	-0.2901	0.493	0.54	1	HC_vs_MS.NoTrt_B
BNIP3L	0.28736	-0.2551	0.181	0.21	1	HC_vs_MS.NoTrt_B
SGK494	0.28757	0.25841	0.738	0.71	1	HC_vs_MS.NoTrt_B
TNFSF14	0.28764	0.48369	0.606	0.64	1	HC_vs_MS.NoTrt_B

PTRF	0.28782	0.29199	0.352	0.33	1	HC_vs_MS.NoTrt_B
CGGBP1	0.28789	0.48381	0.18	0.22	1	HC_vs_MS.NoTrt_B
TRIM25	0.28811	1.14202	0.33	0.3	1	HC_vs_MS.NoTrt_B
KCNG4	0.28817	0.25064	0.548	0.52	1	HC_vs_MS.NoTrt_B
DNAJB14	0.28826	0.44155	0.48	0.52	1	HC_vs_MS.NoTrt_B
ALDH3B1	0.28859	0.25894	0.735	0.76	1	HC_vs_MS.NoTrt_B
APC	0.28873	0.26921	0.501	0.46	1	HC_vs_MS.NoTrt_B
EIF1AY	0.28989	-0.7459	0.609	0.65	1	HC_vs_MS.NoTrt_B
C9orf64	0.29016	0.54492	0.596	0.59	1	HC_vs_MS.NoTrt_B
NARF	0.29022	-0.2617	0.959	0.97	1	HC_vs_MS.NoTrt_B
TBC1D7	0.29043	0.93066	0.513	0.48	1	HC_vs_MS.NoTrt_B
SERINC1	0.29082	0.38964	0.645	0.63	1	HC_vs_MS.NoTrt_B
SNX11	0.29095	0.42818	0.645	0.65	1	HC_vs_MS.NoTrt_B
GMEB1	0.29116	0.42569	0.803	0.84	1	HC_vs_MS.NoTrt_B
CDCP1	0.2914	1.42267	0.43	0.38	1	HC_vs_MS.NoTrt_B
TMEM87B	0.29179	0.73678	0.109	0.14	1	HC_vs_MS.NoTrt_B
CDAN1	0.29188	0.2931	0.43	0.41	1	HC_vs_MS.NoTrt_B
TSEN15	0.29206	-0.5745	0.201	0.23	1	HC_vs_MS.NoTrt_B
OTOA	0.2921	0.32909	0.358	0.33	1	HC_vs_MS.NoTrt_B
CPPED1	0.29228	-0.6363	0.593	0.57	1	HC_vs_MS.NoTrt_B
CCDC163	0.29238	-0.2661	0.538	0.58	1	HC_vs_MS.NoTrt_B
AP3M1	0.29282	0.40473	0.484	0.44	1	HC_vs_MS.NoTrt_B
NEDD1	0.29351	-0.3015	0.094	0.12	1	HC_vs_MS.NoTrt_B
TPM1	0.29367	0.42287	0.493	0.45	1	HC_vs_MS.NoTrt_B
PSTK	0.29367	-0.5618	0.338	0.29	1	HC_vs_MS.NoTrt_B
RP11-347C1	0.29399	0.42922	0.664	0.7	1	HC_vs_MS.NoTrt_B
C2CD2L	0.29415	0.52138	0.409	0.47	1	HC_vs_MS.NoTrt_B
CTD-3105H1	0.29467	0.29061	0.27	0.24	1	HC_vs_MS.NoTrt_B
SLC16A7	0.29486	0.28728	0.628	0.6	1	HC_vs_MS.NoTrt_B
ARMC10	0.29504	0.69999	0.632	0.64	1	HC_vs_MS.NoTrt_B
ANKDD1A	0.29559	0.47328	0.522	0.52	1	HC_vs_MS.NoTrt_B
LAP3	0.29588	-0.2801	0.119	0.15	1	HC_vs_MS.NoTrt_B
TMEM183A	0.29596	0.68677	0.183	0.15	1	HC_vs_MS.NoTrt_B
TLN1	0.29618	0.85261	0.575	0.57	1	HC_vs_MS.NoTrt_B
TDRD1	0.29638	0.49513	0.168	0.14	1	HC_vs_MS.NoTrt_B
CRKL	0.29709	0.67046	0.574	0.57	1	HC_vs_MS.NoTrt_B
C5orf63	0.2975	-0.2918	0.335	0.37	1	HC_vs_MS.NoTrt_B
TMOD2	0.29759	0.26363	0.454	0.47	1	HC_vs_MS.NoTrt_B
UVRAG	0.29782	0.2633	0.423	0.5	1	HC_vs_MS.NoTrt_B
SH3RF2	0.29785	-0.5469	0.165	0.14	1	HC_vs_MS.NoTrt_B



CLDN4	0.29791	0.72266	0.543	0.64	1	HC_vs_MS.NoTrt_B
MARK2	0.29826	0.45617	0.13	0.1	1	HC_vs_MS.NoTrt_B
CTSW	0.29837	-0.4575	0.622	0.56	1	HC_vs_MS.NoTrt_B
ZNF699	0.29854	0.36061	0.251	0.29	1	HC_vs_MS.NoTrt_B
MRPS25	0.29914	0.26216	0.487	0.44	1	HC_vs_MS.NoTrt_B
TRA2B	0.29928	0.43452	0.543	0.51	1	HC_vs_MS.NoTrt_B
ZNF85	0.29968	-0.3419	0.652	0.72	1	HC_vs_MS.NoTrt_B
CD38	0.30112	1.23157	0.335	0.31	1	HC_vs_MS.NoTrt_B
KANK3	0.30134	0.47132	0.201	0.24	1	HC_vs_MS.NoTrt_B
SLC35E4	0.30178	0.48775	0.333	0.3	1	HC_vs_MS.NoTrt_B
NUP43	0.30195	0.28692	0.843	0.8	1	HC_vs_MS.NoTrt_B
JMJD7-PLA2	0.30223	0.27154	0.386	0.43	1	HC_vs_MS.NoTrt_B
ITGB5	0.30248	0.25207	0.328	0.38	1	HC_vs_MS.NoTrt_B
ATXN1L	0.3028	0.5807	0.078	0.1	1	HC_vs_MS.NoTrt_B
GADL1	0.30284	0.47124	0.622	0.7	1	HC_vs_MS.NoTrt_B
FDPS	0.30295	-0.4389	0.445	0.48	1	HC_vs_MS.NoTrt_B
GGT6	0.3035	0.2923	0.454	0.43	1	HC_vs_MS.NoTrt_B
CCDC159	0.3043	-0.4492	0.765	0.84	1	HC_vs_MS.NoTrt_B
SRSF10	0.30436	0.3748	0.722	0.79	1	HC_vs_MS.NoTrt_B
NME7	0.30457	0.39627	0.622	0.64	1	HC_vs_MS.NoTrt_B
TSC2	0.30469	0.45529	0.684	0.68	1	HC_vs_MS.NoTrt_B
USP31	0.30542	0.33017	0.135	0.11	1	HC_vs_MS.NoTrt_B
ZNF233	0.30561	0.40608	0.467	0.48	1	HC_vs_MS.NoTrt_B
ZC3H13	0.30577	0.3552	0.326	0.29	1	HC_vs_MS.NoTrt_B
DET1	0.30612	1.11749	0.536	0.5	1	HC_vs_MS.NoTrt_B
MBTPS2	0.30618	0.49811	0.312	0.28	1	HC_vs_MS.NoTrt_B
MIB2	0.30626	1.27913	0.177	0.22	1	HC_vs_MS.NoTrt_B
PLS3	0.30651	0.25172	0.358	0.43	1	HC_vs_MS.NoTrt_B
TESMIN	0.30658	0.3651	0.629	0.7	1	HC_vs_MS.NoTrt_B
ZNF680	0.30673	0.79944	0.096	0.12	1	HC_vs_MS.NoTrt_B
C10orf82	0.30677	0.29001	0.535	0.54	1	HC_vs_MS.NoTrt_B
YTHDC2	0.30682	0.84429	0.416	0.39	1	HC_vs_MS.NoTrt_B
BNIP3	0.30697	0.2685	0.583	0.68	1	HC_vs_MS.NoTrt_B
EPPIN	0.30701	0.41051	0.462	0.47	1	HC_vs_MS.NoTrt_B
ERAP1	0.30725	0.98371	0.584	0.62	1	HC_vs_MS.NoTrt_B
NDUFAF1	0.30748	0.45126	0.365	0.42	1	HC_vs_MS.NoTrt_B
ZC3H3	0.30813	0.53738	0.125	0.1	1	HC_vs_MS.NoTrt_B
MAP3K10	0.30832	0.4401	0.354	0.34	1	HC_vs_MS.NoTrt_B
CENPV	0.30844	0.33045	0.71	0.71	1	HC_vs_MS.NoTrt_B
CD160	0.30846	0.60138	0.294	0.27	1	HC_vs_MS.NoTrt_B

TRRAP	0.30872	0.3536	0.158	0.13	1	HC_vs_MS.NoTrt_B
LSM6	0.30888	0.31715	0.13	0.16	1	HC_vs_MS.NoTrt_B
ARHGAP11B	0.30901	-0.2671	0.204	0.23	1	HC_vs_MS.NoTrt_B
SLC16A5	0.30925	0.71463	0.154	0.12	1	HC_vs_MS.NoTrt_B
NELFCD	0.30955	0.25079	0.519	0.57	1	HC_vs_MS.NoTrt_B
LRPPRC	0.3096	0.51883	0.519	0.54	1	HC_vs_MS.NoTrt_B
C1orf167	0.30987	0.26003	0.632	0.65	1	HC_vs_MS.NoTrt_B
C2orf68	0.30995	0.28097	0.822	0.77	1	HC_vs_MS.NoTrt_B
FUT6	0.31014	0.4751	0.404	0.47	1	HC_vs_MS.NoTrt_B
WDTC1	0.31057	0.40228	0.359	0.35	1	HC_vs_MS.NoTrt_B
SF3A1	0.31065	0.312	0.349	0.43	1	HC_vs_MS.NoTrt_B
BAZ1A	0.31152	0.27692	0.374	0.34	1	HC_vs_MS.NoTrt_B
RNF130	0.31155	-0.275	0.633	0.67	1	HC_vs_MS.NoTrt_B
FAM234B	0.31178	-0.7043	0.414	0.38	1	HC_vs_MS.NoTrt_B
PMS2	0.31213	0.76357	0.662	0.7	1	HC_vs_MS.NoTrt_B
BEND2	0.31216	0.26862	0.555	0.58	1	HC_vs_MS.NoTrt_B
SERPINB9	0.31231	0.5656	0.699	0.8	1	HC_vs_MS.NoTrt_B
COL28A1	0.3125	0.33371	0.428	0.41	1	HC_vs_MS.NoTrt_B
KIAA1210	0.31288	-0.2533	0.203	0.23	1	HC_vs_MS.NoTrt_B
SKIL	0.31308	0.46891	0.277	0.24	1	HC_vs_MS.NoTrt_B
OSBPL9	0.31349	0.51912	0.328	0.3	1	HC_vs_MS.NoTrt_B
ACOT4	0.31367	-0.4845	0.1	0.12	1	HC_vs_MS.NoTrt_B
SYNRG	0.31406	0.31764	0.929	0.96	1	HC_vs_MS.NoTrt_B
PIAS3	0.31425	0.42204	0.113	0.14	1	HC_vs_MS.NoTrt_B
OTUD5	0.31449	-0.3206	0.125	0.15	1	HC_vs_MS.NoTrt_B
EML6	0.31461	0.35687	0.578	0.57	1	HC_vs_MS.NoTrt_B
HAUS2	0.31494	0.25858	0.794	0.83	1	HC_vs_MS.NoTrt_B
NRIP2	0.31502	0.71073	0.336	0.32	1	HC_vs_MS.NoTrt_B
ADAD2	0.31508	0.29107	0.225	0.28	1	HC_vs_MS.NoTrt_B
CD300LD	0.31557	0.27803	0.362	0.32	1	HC_vs_MS.NoTrt_B
IFI27	0.31587	0.35528	0.355	0.34	1	HC_vs_MS.NoTrt_B
HPS1	0.31625	0.34827	0.6	0.65	1	HC_vs_MS.NoTrt_B
KDELRL1	0.31626	0.46176	0.243	0.21	1	HC_vs_MS.NoTrt_B
CAMTA2	0.31628	0.32364	0.501	0.45	1	HC_vs_MS.NoTrt_B
EIF4A3	0.31715	-0.4176	0.649	0.71	1	HC_vs_MS.NoTrt_B
TRIM2	0.3174	0.9182	0.23	0.21	1	HC_vs_MS.NoTrt_B
MKL2	0.31746	0.74961	0.696	0.72	1	HC_vs_MS.NoTrt_B
STRBP	0.31762	-0.5416	0.63	0.61	1	HC_vs_MS.NoTrt_B
CES2	0.31771	-0.3477	0.316	0.27	1	HC_vs_MS.NoTrt_B
FAM63A	0.31827	0.53947	0.509	0.58	1	HC_vs_MS.NoTrt_B

LEKR1	0.31837	-0.3904	0.174	0.21	1	HC_vs_MS.NoTrt_B
ACSM3	0.31856	0.3389	0.594	0.6	1	HC_vs_MS.NoTrt_B
LARP1	0.3187	0.50487	0.18	0.15	1	HC_vs_MS.NoTrt_B
SCML4	0.31916	0.72169	0.629	0.64	1	HC_vs_MS.NoTrt_B
SYT11	0.31932	-0.3233	0.616	0.63	1	HC_vs_MS.NoTrt_B
WAPL	0.31947	0.65888	0.452	0.45	1	HC_vs_MS.NoTrt_B
RBM10	0.3196	0.53047	0.175	0.15	1	HC_vs_MS.NoTrt_B
UBE2G1	0.32003	0.29132	0.22	0.26	1	HC_vs_MS.NoTrt_B
OAS1	0.32012	0.28578	0.503	0.49	1	HC_vs_MS.NoTrt_B
SMC5	0.32027	0.34143	0.386	0.35	1	HC_vs_MS.NoTrt_B
ALG10B	0.32042	0.25948	0.639	0.62	1	HC_vs_MS.NoTrt_B
MSMO1	0.32046	0.68061	0.525	0.52	1	HC_vs_MS.NoTrt_B
PARP10	0.3207	0.67146	0.157	0.13	1	HC_vs_MS.NoTrt_B
RUNDC1	0.3213	0.64156	0.701	0.69	1	HC_vs_MS.NoTrt_B
RIOK3	0.32138	0.34926	0.514	0.48	1	HC_vs_MS.NoTrt_B
ZNF879	0.32148	0.40545	0.312	0.36	1	HC_vs_MS.NoTrt_B
NPIPA7	0.32151	0.26334	0.154	0.19	1	HC_vs_MS.NoTrt_B
ATG16L1	0.32207	0.53674	0.112	0.09	1	HC_vs_MS.NoTrt_B
GIPR	0.32207	0.28686	0.619	0.69	1	HC_vs_MS.NoTrt_B
HYAL4	0.32222	0.40977	0.572	0.56	1	HC_vs_MS.NoTrt_B
POM121C	0.32223	0.28179	0.494	0.52	1	HC_vs_MS.NoTrt_B
GDNF	0.32225	0.27508	0.294	0.27	1	HC_vs_MS.NoTrt_B
RFX7	0.32235	0.40898	0.13	0.16	1	HC_vs_MS.NoTrt_B
NAA40	0.3226	-0.3563	0.548	0.53	1	HC_vs_MS.NoTrt_B
AL354822.1	0.32277	0.53208	0.242	0.21	1	HC_vs_MS.NoTrt_B
CCDC18	0.32314	-0.2868	0.159	0.19	1	HC_vs_MS.NoTrt_B
KHDRBS1	0.3234	0.91491	0.183	0.16	1	HC_vs_MS.NoTrt_B
SIDT1	0.32352	0.4317	0.781	0.74	1	HC_vs_MS.NoTrt_B
FAM110C	0.32355	0.69367	0.242	0.29	1	HC_vs_MS.NoTrt_B
PRPF8	0.3239	-0.2641	0.868	0.87	1	HC_vs_MS.NoTrt_B
HNRNPUL2	0.32484	-0.3162	0.084	0.11	1	HC_vs_MS.NoTrt_B
FGF9	0.32549	0.47025	0.13	0.1	1	HC_vs_MS.NoTrt_B
MCEE	0.32597	0.70836	0.129	0.16	1	HC_vs_MS.NoTrt_B
DHX36	0.32604	0.48622	0.713	0.77	1	HC_vs_MS.NoTrt_B
RALGPS2	0.32614	0.34833	0.354	0.32	1	HC_vs_MS.NoTrt_B
ALG6	0.32632	0.46033	0.101	0.13	1	HC_vs_MS.NoTrt_B
SERPINH1	0.32656	0.94967	0.304	0.36	1	HC_vs_MS.NoTrt_B
BRAF	0.32676	0.97361	0.106	0.14	1	HC_vs_MS.NoTrt_B
ZDHC24	0.32712	0.25306	0.864	0.91	1	HC_vs_MS.NoTrt_B
CEP85L	0.32726	0.49667	0.258	0.3	1	HC_vs_MS.NoTrt_B

CCDC126	0.3274	0.59673	0.116	0.15	1	HC_vs_MS.NoTrt_B
RAB8B	0.32746	0.76841	0.178	0.23	1	HC_vs_MS.NoTrt_B
SLC25A46	0.32751	0.43118	0.099	0.12	1	HC_vs_MS.NoTrt_B
CRELD2	0.32754	-0.6468	0.574	0.61	1	HC_vs_MS.NoTrt_B
L3MBTL1	0.32755	0.47454	0.616	0.6	1	HC_vs_MS.NoTrt_B
GINM1	0.32805	-0.4949	0.529	0.48	1	HC_vs_MS.NoTrt_B
NDUFB6	0.32815	0.25041	0.5	0.56	1	HC_vs_MS.NoTrt_B
DEPDC1B	0.32827	-0.9796	0.206	0.24	1	HC_vs_MS.NoTrt_B
DUSP1	0.32885	1.09858	0.168	0.15	1	HC_vs_MS.NoTrt_B
EBF2	0.32959	0.26121	0.288	0.26	1	HC_vs_MS.NoTrt_B
TPO	0.3298	0.58384	0.228	0.27	1	HC_vs_MS.NoTrt_B
HES2	0.3299	0.27463	0.587	0.6	1	HC_vs_MS.NoTrt_B
KIF21B	0.33021	0.74877	0.378	0.37	1	HC_vs_MS.NoTrt_B
CLSTN1	0.33027	0.36358	0.204	0.24	1	HC_vs_MS.NoTrt_B
WDR59	0.33139	0.31948	0.954	0.94	1	HC_vs_MS.NoTrt_B
SV2B	0.3322	0.75008	0.383	0.37	1	HC_vs_MS.NoTrt_B
ADGRA3	0.33237	0.34696	0.393	0.39	1	HC_vs_MS.NoTrt_B
CTIF	0.33261	0.92988	0.162	0.2	1	HC_vs_MS.NoTrt_B
SAMD9L	0.33274	0.62995	0.191	0.16	1	HC_vs_MS.NoTrt_B
ACTN1	0.33307	0.54178	0.599	0.63	1	HC_vs_MS.NoTrt_B
SLC38A2	0.33359	0.55432	0.239	0.21	1	HC_vs_MS.NoTrt_B
NT5C3B	0.33404	0.837	0.616	0.64	1	HC_vs_MS.NoTrt_B
NOL11	0.33442	-0.3502	0.53	0.49	1	HC_vs_MS.NoTrt_B
SF3A2	0.33443	0.63209	0.365	0.34	1	HC_vs_MS.NoTrt_B
TUBD1	0.3346	0.43135	0.822	0.8	1	HC_vs_MS.NoTrt_B
TMPO	0.33464	0.29798	0.535	0.5	1	HC_vs_MS.NoTrt_B
PRPF38B	0.33465	0.26403	0.47	0.52	1	HC_vs_MS.NoTrt_B
COQ10A	0.33471	0.85075	0.475	0.47	1	HC_vs_MS.NoTrt_B
RAB5A	0.33501	0.31436	0.113	0.14	1	HC_vs_MS.NoTrt_B
KANK1	0.33629	-0.2899	0.701	0.71	1	HC_vs_MS.NoTrt_B
TCF20	0.33671	0.45925	0.109	0.14	1	HC_vs_MS.NoTrt_B
CABIN1	0.33724	0.6065	0.255	0.23	1	HC_vs_MS.NoTrt_B
PDCD6	0.33781	-0.485	0.667	0.71	1	HC_vs_MS.NoTrt_B
F3	0.33791	0.41747	0.497	0.52	1	HC_vs_MS.NoTrt_B
SLC46A3	0.33804	0.6139	0.078	0.1	1	HC_vs_MS.NoTrt_B
IMMT	0.33807	-0.3601	0.443	0.48	1	HC_vs_MS.NoTrt_B
CDH15	0.33901	0.50209	0.403	0.37	1	HC_vs_MS.NoTrt_B
STYX	0.33919	0.35247	0.496	0.57	1	HC_vs_MS.NoTrt_B
BTLA	0.33936	0.99686	0.154	0.18	1	HC_vs_MS.NoTrt_B
FUT10	0.33942	0.46087	0.358	0.35	1	HC_vs_MS.NoTrt_B

TMEM17	0.33972	0.26144	0.497	0.49	1	HC_vs_MS.NoTrt_B
VAC14	0.33996	0.35695	0.104	0.08	1	HC_vs_MS.NoTrt_B
KDM6B	0.34027	0.47328	0.161	0.14	1	HC_vs_MS.NoTrt_B
LMNB1	0.34076	-0.4244	0.083	0.1	1	HC_vs_MS.NoTrt_B
ZNF587	0.3413	0.33946	0.945	0.95	1	HC_vs_MS.NoTrt_B
XBP1	0.34146	0.53108	0.093	0.12	1	HC_vs_MS.NoTrt_B
TMEM185A	0.3417	0.38405	0.483	0.46	1	HC_vs_MS.NoTrt_B
PRR19	0.34177	0.32011	0.693	0.75	1	HC_vs_MS.NoTrt_B
NUP98	0.3419	0.32214	0.758	0.78	1	HC_vs_MS.NoTrt_B
SEC23B	0.34212	-0.3682	0.112	0.14	1	HC_vs_MS.NoTrt_B
ZNF615	0.34214	1.18535	0.47	0.46	1	HC_vs_MS.NoTrt_B
KLF13	0.34267	0.57792	0.297	0.35	1	HC_vs_MS.NoTrt_B
EFTUD2	0.34269	-0.3158	0.836	0.86	1	HC_vs_MS.NoTrt_B
SLC35B4	0.34287	0.46102	0.533	0.54	1	HC_vs_MS.NoTrt_B
TNKS2	0.34308	0.48788	0.259	0.3	1	HC_vs_MS.NoTrt_B
ERN2	0.34317	0.25832	0.51	0.5	1	HC_vs_MS.NoTrt_B
NAPG	0.34326	0.60694	0.571	0.58	1	HC_vs_MS.NoTrt_B
HYPK	0.34351	0.38609	0.903	0.92	1	HC_vs_MS.NoTrt_B
MANBA	0.3442	0.51447	0.181	0.15	1	HC_vs_MS.NoTrt_B
ABRA	0.34456	0.52784	0.084	0.11	1	HC_vs_MS.NoTrt_B
CHIT1	0.34458	-1.072	0.09	0.11	1	HC_vs_MS.NoTrt_B
RASAL3	0.34471	1.2962	0.184	0.16	1	HC_vs_MS.NoTrt_B
OBSCN	0.34507	0.43763	0.213	0.18	1	HC_vs_MS.NoTrt_B
TNFAIP3	0.34513	0.34947	0.355	0.42	1	HC_vs_MS.NoTrt_B
PGGT1B	0.34558	0.66835	0.158	0.13	1	HC_vs_MS.NoTrt_B
CTD-3088G3	0.3456	0.48625	0.51	0.5	1	HC_vs_MS.NoTrt_B
PPP2R2D	0.34578	0.26763	0.622	0.64	1	HC_vs_MS.NoTrt_B
CYSTM1	0.34591	-0.486	0.265	0.3	1	HC_vs_MS.NoTrt_B
PPP2R3C	0.34598	-0.3145	0.138	0.16	1	HC_vs_MS.NoTrt_B
LINC00371	0.34612	0.35624	0.136	0.11	1	HC_vs_MS.NoTrt_B
WISP2	0.3463	0.28979	0.606	0.59	1	HC_vs_MS.NoTrt_B
KIAA0825	0.3464	0.52233	0.294	0.27	1	HC_vs_MS.NoTrt_B
RFWD2	0.34671	0.43854	0.291	0.34	1	HC_vs_MS.NoTrt_B
WHSC1L1	0.34728	0.26961	0.596	0.69	1	HC_vs_MS.NoTrt_B
NPAS2	0.34763	0.25349	0.426	0.4	1	HC_vs_MS.NoTrt_B
DEPDC4	0.34785	0.60088	0.438	0.45	1	HC_vs_MS.NoTrt_B
ZNF441	0.34787	-0.5515	0.174	0.21	1	HC_vs_MS.NoTrt_B
HIST2H4B	0.348	0.53729	0.123	0.15	1	HC_vs_MS.NoTrt_B
FBXO3	0.3482	0.39924	0.291	0.33	1	HC_vs_MS.NoTrt_B
MT-ATP8	0.34889	0.47481	0.71	0.84	1	HC_vs_MS.NoTrt_B

CNOT3	0.34895	0.56319	0.123	0.1	1	HC_vs_MS.NoTrt_B
PCDHGB6	0.34933	0.42648	0.352	0.33	1	HC_vs_MS.NoTrt_B
DNAJC11	0.34942	-0.2779	0.168	0.2	1	HC_vs_MS.NoTrt_B
CTNNA1	0.34945	-0.5312	0.562	0.63	1	HC_vs_MS.NoTrt_B
CSRP1	0.35021	-0.5896	0.497	0.52	1	HC_vs_MS.NoTrt_B
TAF13	0.35026	0.25468	0.116	0.09	1	HC_vs_MS.NoTrt_B
HSPB11	0.35058	0.26006	0.764	0.74	1	HC_vs_MS.NoTrt_B
ATXN2L	0.35108	0.55486	0.259	0.23	1	HC_vs_MS.NoTrt_B
MORC3	0.35127	0.37256	0.486	0.44	1	HC_vs_MS.NoTrt_B
ZBTB11	0.35129	1.03111	0.533	0.51	1	HC_vs_MS.NoTrt_B
TMEM41B	0.35168	0.48718	0.806	0.87	1	HC_vs_MS.NoTrt_B
GSN	0.35173	-0.2938	0.554	0.56	1	HC_vs_MS.NoTrt_B
GRK6	0.3518	0.48243	0.191	0.23	1	HC_vs_MS.NoTrt_B
SPG21	0.35214	-0.2583	0.872	0.88	1	HC_vs_MS.NoTrt_B
CYB561	0.35219	0.69179	0.272	0.26	1	HC_vs_MS.NoTrt_B
SULT1A1	0.35226	-0.3352	0.535	0.6	1	HC_vs_MS.NoTrt_B
MTA2	0.35241	-0.3854	0.249	0.29	1	HC_vs_MS.NoTrt_B
PRKCZ	0.35247	0.5409	0.239	0.21	1	HC_vs_MS.NoTrt_B
TNK2	0.35267	0.76347	0.132	0.11	1	HC_vs_MS.NoTrt_B
CKAP5	0.3531	0.68538	0.151	0.12	1	HC_vs_MS.NoTrt_B
BOLL	0.3533	0.40776	0.154	0.13	1	HC_vs_MS.NoTrt_B
ZNF212	0.35356	-0.7444	0.371	0.33	1	HC_vs_MS.NoTrt_B
GM2A	0.35452	-0.3143	0.528	0.57	1	HC_vs_MS.NoTrt_B
TJP1	0.35515	0.42733	0.165	0.15	1	HC_vs_MS.NoTrt_B
PPP4R3A	0.35549	0.29631	0.204	0.24	1	HC_vs_MS.NoTrt_B
TVP23A	0.35557	0.31394	0.454	0.52	1	HC_vs_MS.NoTrt_B
IRS2	0.35559	0.41244	0.322	0.3	1	HC_vs_MS.NoTrt_B
ING1	0.3557	0.26224	0.543	0.61	1	HC_vs_MS.NoTrt_B
MGA	0.35573	0.39637	0.858	0.9	1	HC_vs_MS.NoTrt_B
KIAA0430	0.35663	0.43858	0.28	0.32	1	HC_vs_MS.NoTrt_B
HECA	0.35674	0.38561	0.548	0.61	1	HC_vs_MS.NoTrt_B
FAM174B	0.35712	-0.2999	0.12	0.1	1	HC_vs_MS.NoTrt_B
MTRF1	0.35714	-0.3381	0.528	0.57	1	HC_vs_MS.NoTrt_B
MTA1	0.35751	0.36131	0.403	0.38	1	HC_vs_MS.NoTrt_B
IFIT3	0.35774	0.81862	0.43	0.48	1	HC_vs_MS.NoTrt_B
VPS26A	0.35815	0.41366	0.361	0.42	1	HC_vs_MS.NoTrt_B
EIF1B	0.35881	0.37926	0.159	0.2	1	HC_vs_MS.NoTrt_B
FAM189B	0.3589	0.42679	0.69	0.74	1	HC_vs_MS.NoTrt_B
LSM14A	0.35912	0.32585	0.497	0.44	1	HC_vs_MS.NoTrt_B
NOL10	0.3592	0.76055	0.133	0.16	1	HC_vs_MS.NoTrt_B

PPP1R10	0.35932	-0.322	0.486	0.5	1	HC_vs_MS.NoTrt_B
FBXL8	0.35963	0.71689	0.539	0.55	1	HC_vs_MS.NoTrt_B
SLX4	0.35996	1.13403	0.443	0.45	1	HC_vs_MS.NoTrt_B
NAXE	0.35997	-0.3195	0.107	0.13	1	HC_vs_MS.NoTrt_B
EXOSC7	0.35998	-0.3989	0.446	0.49	1	HC_vs_MS.NoTrt_B
C7orf49	0.36007	0.32516	0.145	0.12	1	HC_vs_MS.NoTrt_B
ZC3H12B	0.3604	1.29246	0.552	0.52	1	HC_vs_MS.NoTrt_B
PLGRKT	0.3605	-0.3663	0.09	0.11	1	HC_vs_MS.NoTrt_B
ARHGAP5	0.36093	0.91201	0.497	0.49	1	HC_vs_MS.NoTrt_B
ITGA5	0.36109	-0.4011	0.103	0.12	1	HC_vs_MS.NoTrt_B
LRP2BP	0.36109	-0.4253	0.435	0.47	1	HC_vs_MS.NoTrt_B
FAM229B	0.36143	0.39699	0.303	0.28	1	HC_vs_MS.NoTrt_B
SELENBP1	0.36163	0.38229	0.275	0.24	1	HC_vs_MS.NoTrt_B
HUWE1	0.36267	0.51155	0.452	0.42	1	HC_vs_MS.NoTrt_B
MTHFS	0.36268	0.79634	0.138	0.11	1	HC_vs_MS.NoTrt_B
COLEC11	0.36282	0.97606	0.367	0.34	1	HC_vs_MS.NoTrt_B
ZNF207	0.36288	0.31179	0.913	0.9	1	HC_vs_MS.NoTrt_B
AGL	0.36324	1.08662	0.13	0.11	1	HC_vs_MS.NoTrt_B
ARL8B	0.36355	0.53662	0.378	0.35	1	HC_vs_MS.NoTrt_B
PAPOLA	0.36419	0.45978	0.874	0.85	1	HC_vs_MS.NoTrt_B
HIPK1	0.36438	0.56796	0.168	0.14	1	HC_vs_MS.NoTrt_B
NSMCE2	0.36483	-0.3766	0.538	0.61	1	HC_vs_MS.NoTrt_B
ZNF391	0.36548	-0.3712	0.184	0.22	1	HC_vs_MS.NoTrt_B
SAMD4A	0.36592	0.62223	0.584	0.63	1	HC_vs_MS.NoTrt_B
C2orf50	0.36608	0.49652	0.351	0.33	1	HC_vs_MS.NoTrt_B
OR7A5	0.36649	0.29275	0.42	0.42	1	HC_vs_MS.NoTrt_B
SH2D2A	0.36665	0.82151	0.171	0.15	1	HC_vs_MS.NoTrt_B
RAPGEF6	0.36713	0.89433	0.536	0.54	1	HC_vs_MS.NoTrt_B
TOR3A	0.36721	-0.3798	0.828	0.85	1	HC_vs_MS.NoTrt_B
NIPBL	0.36724	0.49582	0.584	0.57	1	HC_vs_MS.NoTrt_B
CTC-454I21.	0.3677	0.28163	0.199	0.17	1	HC_vs_MS.NoTrt_B
TOP2B	0.36781	0.55326	0.261	0.23	1	HC_vs_MS.NoTrt_B
ERI2	0.36801	0.4447	0.148	0.18	1	HC_vs_MS.NoTrt_B
TSPAN6	0.36809	0.51744	0.53	0.55	1	HC_vs_MS.NoTrt_B
MICALL1	0.3684	0.34772	0.462	0.55	1	HC_vs_MS.NoTrt_B
ZNF337	0.36844	0.25468	0.081	0.1	1	HC_vs_MS.NoTrt_B
PRPF4B	0.36859	0.30332	0.343	0.4	1	HC_vs_MS.NoTrt_B
IL6ST	0.36875	0.60933	0.367	0.34	1	HC_vs_MS.NoTrt_B
IRS1	0.36898	-0.2609	0.11	0.09	1	HC_vs_MS.NoTrt_B
TIMM23	0.3694	0.68774	0.239	0.22	1	HC_vs_MS.NoTrt_B

TRAK2	0.36973	0.5501	0.197	0.24	1	HC_vs_MS.NoTrt_B
CD209	0.36989	0.28043	0.433	0.43	1	HC_vs_MS.NoTrt_B
MED20	0.36998	-0.2874	0.314	0.36	1	HC_vs_MS.NoTrt_B
AP2A2	0.36998	0.76239	0.616	0.64	1	HC_vs_MS.NoTrt_B
TRIM69	0.37025	-0.2789	0.829	0.82	1	HC_vs_MS.NoTrt_B
ITPR3	0.37027	0.40788	0.119	0.15	1	HC_vs_MS.NoTrt_B
TEN1-CDK3	0.37051	0.52	0.52	0.49	1	HC_vs_MS.NoTrt_B
ATP10D	0.37076	0.90055	0.3	0.35	1	HC_vs_MS.NoTrt_B
B3GAT2	0.37082	0.76329	0.151	0.12	1	HC_vs_MS.NoTrt_B
GPATCH2L	0.37123	0.33528	0.67	0.78	1	HC_vs_MS.NoTrt_B
FZD3	0.37123	0.57109	0.614	0.63	1	HC_vs_MS.NoTrt_B
IL1R1	0.37147	0.28567	0.317	0.29	1	HC_vs_MS.NoTrt_B
CTBP1	0.37163	0.25704	0.506	0.46	1	HC_vs_MS.NoTrt_B
PTCHD1	0.37179	0.43302	0.703	0.75	1	HC_vs_MS.NoTrt_B
ZZEF1	0.37185	0.42423	0.501	0.55	1	HC_vs_MS.NoTrt_B
ACVR2A	0.3719	-0.354	0.225	0.26	1	HC_vs_MS.NoTrt_B
PLEKHG5	0.37232	1.19664	0.165	0.14	1	HC_vs_MS.NoTrt_B
ZNF763	0.37278	0.45313	0.172	0.15	1	HC_vs_MS.NoTrt_B
MYOM3	0.37284	0.35634	0.561	0.57	1	HC_vs_MS.NoTrt_B
PRKG2	0.37286	0.35198	0.391	0.46	1	HC_vs_MS.NoTrt_B
ETFA	0.37286	-0.3665	0.643	0.65	1	HC_vs_MS.NoTrt_B
GTF2E1	0.37303	-0.3923	0.254	0.22	1	HC_vs_MS.NoTrt_B
TRANK1	0.37317	0.73642	0.246	0.22	1	HC_vs_MS.NoTrt_B
ADAT1	0.37332	-0.5966	0.671	0.74	1	HC_vs_MS.NoTrt_B
CNDP1	0.37334	0.26778	0.577	0.58	1	HC_vs_MS.NoTrt_B
BTBD8	0.37349	0.62094	0.293	0.27	1	HC_vs_MS.NoTrt_B
ZNF569	0.37367	0.88799	0.183	0.22	1	HC_vs_MS.NoTrt_B
EPHB4	0.37407	0.25578	0.79	0.89	1	HC_vs_MS.NoTrt_B
NRBF2	0.37421	0.57669	0.086	0.11	1	HC_vs_MS.NoTrt_B
TSC22D4	0.37436	0.3042	0.283	0.32	1	HC_vs_MS.NoTrt_B
POU5F1B	0.37436	0.32071	0.352	0.34	1	HC_vs_MS.NoTrt_B
WWP1	0.37439	0.27597	0.432	0.51	1	HC_vs_MS.NoTrt_B
POU2F1	0.37471	0.4973	0.419	0.46	1	HC_vs_MS.NoTrt_B
CBY1	0.37476	0.53191	0.188	0.16	1	HC_vs_MS.NoTrt_B
UGT1A1	0.37513	0.34776	0.551	0.57	1	HC_vs_MS.NoTrt_B
CEP350	0.37527	0.30033	0.323	0.37	1	HC_vs_MS.NoTrt_B
KCNJ5	0.3753	0.27659	0.597	0.6	1	HC_vs_MS.NoTrt_B
MAPK1	0.37575	0.50821	0.483	0.55	1	HC_vs_MS.NoTrt_B
TAF2	0.37611	0.98154	0.43	0.42	1	HC_vs_MS.NoTrt_B
POLL	0.37634	-0.6397	0.404	0.42	1	HC_vs_MS.NoTrt_B



PYROXD1	0.3764	0.632	0.462	0.51	1	HC_vs_MS.NoTrt_B
MFSD12	0.3769	1.06422	0.261	0.23	1	HC_vs_MS.NoTrt_B
PNMA2	0.37771	0.32523	0.658	0.71	1	HC_vs_MS.NoTrt_B
CLVS1	0.37795	0.26019	0.568	0.59	1	HC_vs_MS.NoTrt_B
NCDN	0.37931	0.90054	0.216	0.19	1	HC_vs_MS.NoTrt_B
ANKRD36	0.37934	0.442	0.714	0.66	1	HC_vs_MS.NoTrt_B
TDRD3	0.38026	-0.682	0.519	0.55	1	HC_vs_MS.NoTrt_B
PLXNA4	0.3805	0.2629	0.083	0.1	1	HC_vs_MS.NoTrt_B
DNAJC24	0.3814	0.33913	0.629	0.68	1	HC_vs_MS.NoTrt_B
HIST1H2AG	0.38146	1.32028	0.278	0.34	1	HC_vs_MS.NoTrt_B
SOS1	0.38157	0.76086	0.157	0.14	1	HC_vs_MS.NoTrt_B
NECTIN4	0.38278	-0.3061	0.178	0.21	1	HC_vs_MS.NoTrt_B
PLCG1	0.38279	0.37357	0.364	0.42	1	HC_vs_MS.NoTrt_B
KLHDC1	0.38305	0.46034	0.251	0.3	1	HC_vs_MS.NoTrt_B
XKR8	0.38331	0.44256	0.17	0.14	1	HC_vs_MS.NoTrt_B
ATMIN	0.38392	0.74245	0.287	0.27	1	HC_vs_MS.NoTrt_B
ITGA10	0.38414	0.37196	0.449	0.54	1	HC_vs_MS.NoTrt_B
WDR6	0.38425	0.32777	0.41	0.38	1	HC_vs_MS.NoTrt_B
MTG2	0.38437	0.25777	0.775	0.78	1	HC_vs_MS.NoTrt_B
EML5	0.38443	1.01818	0.223	0.25	1	HC_vs_MS.NoTrt_B
LEMD2	0.38486	0.37812	0.09	0.11	1	HC_vs_MS.NoTrt_B
ZNF418	0.38526	0.57834	0.172	0.15	1	HC_vs_MS.NoTrt_B
SNRNP70	0.38536	0.71238	0.299	0.28	1	HC_vs_MS.NoTrt_B
GTF2H2C.2	0.38539	0.32162	0.293	0.27	1	HC_vs_MS.NoTrt_B
KDM6A	0.38576	0.5247	0.242	0.22	1	HC_vs_MS.NoTrt_B
CYP3A5	0.38633	0.28186	0.89	0.95	1	HC_vs_MS.NoTrt_B
RARS2	0.38644	-0.277	0.586	0.62	1	HC_vs_MS.NoTrt_B
SCRG1	0.38688	0.3172	0.714	0.74	1	HC_vs_MS.NoTrt_B
ZNF551	0.38712	1.02567	0.513	0.6	1	HC_vs_MS.NoTrt_B
DYNLT3	0.38759	0.34048	0.662	0.69	1	HC_vs_MS.NoTrt_B
ZBTB44	0.38777	0.56978	0.309	0.28	1	HC_vs_MS.NoTrt_B
AKT2	0.38836	0.43984	0.946	0.98	1	HC_vs_MS.NoTrt_B
PPME1	0.38918	-0.5211	0.116	0.14	1	HC_vs_MS.NoTrt_B
CCDC50	0.38963	1.29292	0.443	0.42	1	HC_vs_MS.NoTrt_B
RP11-506B6	0.38991	0.26993	0.364	0.35	1	HC_vs_MS.NoTrt_B
KAT8	0.39023	0.41259	0.145	0.12	1	HC_vs_MS.NoTrt_B
CEP83	0.391	0.3595	0.658	0.63	1	HC_vs_MS.NoTrt_B
RUFY2	0.39178	0.50971	0.507	0.54	1	HC_vs_MS.NoTrt_B
CARD14	0.39184	0.45355	0.762	0.8	1	HC_vs_MS.NoTrt_B
TMEM242	0.39315	0.38076	0.117	0.1	1	HC_vs_MS.NoTrt_B

TMX3	0.39318	0.65614	0.417	0.41	1	HC_vs_MS.NoTrt_B
VPS39	0.39374	0.45607	0.496	0.55	1	HC_vs_MS.NoTrt_B
DDHD1	0.39387	0.42868	0.919	0.95	1	HC_vs_MS.NoTrt_B
PQLC2	0.39461	-0.9951	0.396	0.45	1	HC_vs_MS.NoTrt_B
PAGR1	0.39464	0.6715	0.183	0.22	1	HC_vs_MS.NoTrt_B
DHX33	0.39472	-0.3185	0.317	0.36	1	HC_vs_MS.NoTrt_B
EFCAB10	0.39524	0.27691	0.168	0.21	1	HC_vs_MS.NoTrt_B
MYEF2	0.39528	0.35119	0.451	0.44	1	HC_vs_MS.NoTrt_B
CAPN1	0.3953	-0.4652	0.572	0.59	1	HC_vs_MS.NoTrt_B
OSBP2	0.39554	-1.0204	0.37	0.35	1	HC_vs_MS.NoTrt_B
PIGN	0.39572	0.39642	0.586	0.6	1	HC_vs_MS.NoTrt_B
BRCA1	0.39579	0.25925	0.813	0.83	1	HC_vs_MS.NoTrt_B
MSI2	0.39597	0.7417	0.83	0.85	1	HC_vs_MS.NoTrt_B
STX5	0.39604	0.25401	0.083	0.1	1	HC_vs_MS.NoTrt_B
VSIG1	0.39605	-0.2894	0.593	0.58	1	HC_vs_MS.NoTrt_B
HGSNAT	0.39616	-0.2985	0.67	0.67	1	HC_vs_MS.NoTrt_B
SLC2A3	0.39622	0.30662	0.732	0.81	1	HC_vs_MS.NoTrt_B
POU5F1	0.39625	0.36267	0.478	0.49	1	HC_vs_MS.NoTrt_B
NUP188	0.39653	0.28383	0.526	0.52	1	HC_vs_MS.NoTrt_B
PDE10A	0.39659	0.26214	0.3	0.33	1	HC_vs_MS.NoTrt_B
NEB	0.39725	0.4719	0.532	0.62	1	HC_vs_MS.NoTrt_B
IVNS1ABP	0.39744	0.54617	0.33	0.3	1	HC_vs_MS.NoTrt_B
CFAP70	0.39768	-0.2925	0.22	0.2	1	HC_vs_MS.NoTrt_B
TNFAIP8	0.39816	0.3485	0.864	0.88	1	HC_vs_MS.NoTrt_B
LUC7L2	0.39852	0.62491	0.519	0.56	1	HC_vs_MS.NoTrt_B
POMK	0.39872	0.52791	0.536	0.57	1	HC_vs_MS.NoTrt_B
RNASE10	0.39884	0.27666	0.152	0.13	1	HC_vs_MS.NoTrt_B
CDC40	0.39905	0.51509	0.532	0.57	1	HC_vs_MS.NoTrt_B
ELOVL6	0.39944	-1.1521	0.274	0.3	1	HC_vs_MS.NoTrt_B
WDR93	0.39984	0.26019	0.412	0.41	1	HC_vs_MS.NoTrt_B
QSOX2	0.40011	-0.3734	0.158	0.18	1	HC_vs_MS.NoTrt_B
KALRN	0.40014	0.57053	0.3	0.36	1	HC_vs_MS.NoTrt_B
NIFK	0.40027	-0.3269	0.522	0.57	1	HC_vs_MS.NoTrt_B
LRCH4	0.40042	0.54431	0.5	0.51	1	HC_vs_MS.NoTrt_B
ITIH1	0.40048	0.28874	0.172	0.16	1	HC_vs_MS.NoTrt_B
TIMELESS	0.40074	-0.6666	0.301	0.27	1	HC_vs_MS.NoTrt_B
NADK	0.40112	0.55338	0.287	0.27	1	HC_vs_MS.NoTrt_B
NRP1	0.40123	0.40635	0.386	0.37	1	HC_vs_MS.NoTrt_B
KLHL11	0.40127	0.3007	0.475	0.46	1	HC_vs_MS.NoTrt_B
ADARB2	0.40279	0.43741	0.348	0.35	1	HC_vs_MS.NoTrt_B

UROS	0.40291	-0.3275	0.457	0.49	1	HC_vs_MS.NoTrt_B
MICA	0.40321	0.40099	0.716	0.82	1	HC_vs_MS.NoTrt_B
ETV4	0.40355	0.46056	0.101	0.08	1	HC_vs_MS.NoTrt_B
YWHAH	0.40364	-0.3191	0.125	0.15	1	HC_vs_MS.NoTrt_B
SCARB2	0.40369	0.66581	0.3	0.29	1	HC_vs_MS.NoTrt_B
UBR2	0.40373	0.31834	0.538	0.58	1	HC_vs_MS.NoTrt_B
TIAF1	0.40401	-0.4579	0.536	0.49	1	HC_vs_MS.NoTrt_B
PWWP2A	0.40433	0.67462	0.165	0.2	1	HC_vs_MS.NoTrt_B
CSNK1G3	0.40497	0.40668	0.087	0.11	1	HC_vs_MS.NoTrt_B
SH3BP2	0.40508	0.28373	0.771	0.77	1	HC_vs_MS.NoTrt_B
C2orf88	0.40511	0.4242	0.345	0.32	1	HC_vs_MS.NoTrt_B
WDR5B	0.40534	0.38182	0.183	0.22	1	HC_vs_MS.NoTrt_B
UTS2B	0.40562	0.32182	0.23	0.27	1	HC_vs_MS.NoTrt_B
ADARB1	0.40582	0.67587	0.197	0.17	1	HC_vs_MS.NoTrt_B
TM9SF3	0.40712	0.62533	0.11	0.14	1	HC_vs_MS.NoTrt_B
LACE1	0.40712	-0.3106	0.542	0.6	1	HC_vs_MS.NoTrt_B
BCO2	0.40721	0.36291	0.526	0.56	1	HC_vs_MS.NoTrt_B
RNF14	0.40734	-0.3533	0.603	0.63	1	HC_vs_MS.NoTrt_B
ZBTB1	0.40759	0.43638	0.136	0.16	1	HC_vs_MS.NoTrt_B
C16orf70	0.40769	0.27035	0.661	0.68	1	HC_vs_MS.NoTrt_B
CASP3	0.40775	0.36924	0.12	0.15	1	HC_vs_MS.NoTrt_B
CDKN2AIPNI	0.40782	-0.4	0.51	0.55	1	HC_vs_MS.NoTrt_B
LUC7L3	0.40793	0.28685	0.604	0.72	1	HC_vs_MS.NoTrt_B
NSUN6	0.40811	0.48053	0.675	0.69	1	HC_vs_MS.NoTrt_B
USP10	0.40845	0.37765	0.243	0.28	1	HC_vs_MS.NoTrt_B
FANCL	0.40861	0.25454	0.12	0.1	1	HC_vs_MS.NoTrt_B
EGLN1	0.40897	0.79306	0.354	0.4	1	HC_vs_MS.NoTrt_B
ABC13-4748	0.41007	0.42577	0.117	0.1	1	HC_vs_MS.NoTrt_B
MYO7A	0.4103	0.45609	0.278	0.27	1	HC_vs_MS.NoTrt_B
RINL	0.41057	-0.4419	0.725	0.76	1	HC_vs_MS.NoTrt_B
ZNF649	0.41079	-0.3744	0.17	0.2	1	HC_vs_MS.NoTrt_B
PCIF1	0.4121	0.31003	0.303	0.35	1	HC_vs_MS.NoTrt_B
PEX11A	0.41215	0.44485	0.552	0.63	1	HC_vs_MS.NoTrt_B
RRP15	0.41226	0.56121	0.567	0.57	1	HC_vs_MS.NoTrt_B
LPCAT3	0.41269	-0.2977	0.409	0.41	1	HC_vs_MS.NoTrt_B
CCSAP	0.41286	0.8338	0.139	0.12	1	HC_vs_MS.NoTrt_B
TRAF3	0.413	0.3809	0.342	0.38	1	HC_vs_MS.NoTrt_B
AGAP6	0.41345	0.94777	0.101	0.12	1	HC_vs_MS.NoTrt_B
BIRC6	0.41349	0.38172	0.422	0.48	1	HC_vs_MS.NoTrt_B
DNAH17	0.41474	0.42838	0.309	0.28	1	HC_vs_MS.NoTrt_B

PDZD8	0.41494	0.68056	0.249	0.22	1	HC_vs_MS.NoTrt_B
WDR7	0.41494	-0.3507	0.388	0.41	1	HC_vs_MS.NoTrt_B
PANK3	0.41507	0.29945	0.429	0.4	1	HC_vs_MS.NoTrt_B
RP11-345J4.	0.41516	0.29847	0.757	0.75	1	HC_vs_MS.NoTrt_B
SPTBN1	0.4156	0.28445	0.294	0.27	1	HC_vs_MS.NoTrt_B
TLK2	0.4156	0.50678	0.371	0.35	1	HC_vs_MS.NoTrt_B
FBXO15	0.41568	0.4532	0.604	0.58	1	HC_vs_MS.NoTrt_B
POMGNT1	0.41572	0.50788	0.662	0.69	1	HC_vs_MS.NoTrt_B
EDRF1	0.41572	0.41302	0.626	0.62	1	HC_vs_MS.NoTrt_B
NUDT6	0.41622	-0.3424	0.475	0.55	1	HC_vs_MS.NoTrt_B
UBE2V2	0.4169	0.51967	0.722	0.72	1	HC_vs_MS.NoTrt_B
FBXO11	0.41701	0.8664	0.441	0.49	1	HC_vs_MS.NoTrt_B
NHLRC2	0.41718	0.65714	0.707	0.72	1	HC_vs_MS.NoTrt_B
ZNF862	0.41785	0.46114	0.107	0.13	1	HC_vs_MS.NoTrt_B
GGT1	0.418	-0.4478	0.088	0.11	1	HC_vs_MS.NoTrt_B
KLHL36	0.41831	0.68909	0.636	0.65	1	HC_vs_MS.NoTrt_B
NEDD9	0.41861	0.35244	0.467	0.42	1	HC_vs_MS.NoTrt_B
CC2D2B	0.41867	0.96456	0.125	0.11	1	HC_vs_MS.NoTrt_B
MYLK	0.41869	-0.9015	0.562	0.55	1	HC_vs_MS.NoTrt_B
FMNL1	0.41869	0.44397	0.701	0.71	1	HC_vs_MS.NoTrt_B
TMEM98	0.41903	0.25417	0.528	0.54	1	HC_vs_MS.NoTrt_B
G6PC2	0.41925	0.26893	0.272	0.25	1	HC_vs_MS.NoTrt_B
LSM10	0.41944	0.31591	0.119	0.1	1	HC_vs_MS.NoTrt_B
ZNF81	0.41961	0.48735	0.29	0.27	1	HC_vs_MS.NoTrt_B
ZHX3	0.41967	0.38105	0.401	0.4	1	HC_vs_MS.NoTrt_B
MUC20	0.41992	0.97978	0.536	0.56	1	HC_vs_MS.NoTrt_B
SLC24A1	0.42017	0.79319	0.468	0.45	1	HC_vs_MS.NoTrt_B
ALG12	0.4204	0.51131	0.146	0.12	1	HC_vs_MS.NoTrt_B
PTGR1	0.42053	0.25676	0.6	0.69	1	HC_vs_MS.NoTrt_B
GMEB2	0.42083	0.33825	0.088	0.11	1	HC_vs_MS.NoTrt_B
MSH6	0.42148	0.33971	0.865	0.86	1	HC_vs_MS.NoTrt_B
C12orf29	0.42149	-0.3271	0.199	0.22	1	HC_vs_MS.NoTrt_B
CNTLN	0.42152	0.38466	0.328	0.31	1	HC_vs_MS.NoTrt_B
SLC39A9	0.42187	0.62176	0.174	0.15	1	HC_vs_MS.NoTrt_B
WAS	0.42195	0.72355	0.278	0.32	1	HC_vs_MS.NoTrt_B
CPEB1	0.422	-0.2773	0.146	0.12	1	HC_vs_MS.NoTrt_B
TIGD5	0.42204	0.86206	0.199	0.17	1	HC_vs_MS.NoTrt_B
MBNL1	0.42205	0.35659	0.859	0.91	1	HC_vs_MS.NoTrt_B
ALG1	0.42232	-0.2509	0.613	0.65	1	HC_vs_MS.NoTrt_B
DENND6B	0.42252	-0.3485	0.259	0.3	1	HC_vs_MS.NoTrt_B

RND1	0.42265	0.33581	0.551	0.56	1	HC_vs_MS.NoTrt_B
PRKCB	0.42325	0.28048	0.291	0.32	1	HC_vs_MS.NoTrt_B
PHACTR2	0.42354	0.31326	0.481	0.5	1	HC_vs_MS.NoTrt_B
KLHL9	0.42363	0.31129	0.343	0.34	1	HC_vs_MS.NoTrt_B
IL18BP	0.42371	0.70221	0.106	0.09	1	HC_vs_MS.NoTrt_B
SLC25A36	0.42372	0.47406	0.129	0.15	1	HC_vs_MS.NoTrt_B
TOR1AIP1	0.42387	-0.343	0.53	0.49	1	HC_vs_MS.NoTrt_B
ASRGL1	0.42401	0.38658	0.548	0.54	1	HC_vs_MS.NoTrt_B
DMXL1	0.42482	0.58673	0.171	0.15	1	HC_vs_MS.NoTrt_B
UMAD1	0.42495	0.4054	0.138	0.16	1	HC_vs_MS.NoTrt_B
ZNF208	0.42531	0.47152	0.816	0.85	1	HC_vs_MS.NoTrt_B
SIRPB1	0.42543	1.70955	0.216	0.21	1	HC_vs_MS.NoTrt_B
EIF4G3	0.42556	0.90872	0.21	0.19	1	HC_vs_MS.NoTrt_B
GTF3C6	0.42619	0.43661	0.151	0.13	1	HC_vs_MS.NoTrt_B
ACTR3B	0.42656	0.58212	0.493	0.55	1	HC_vs_MS.NoTrt_B
TBXAS1	0.42705	-0.3638	0.371	0.42	1	HC_vs_MS.NoTrt_B
EIF2B1	0.42723	-0.3939	0.329	0.34	1	HC_vs_MS.NoTrt_B
FAM208B	0.42781	0.36688	0.294	0.28	1	HC_vs_MS.NoTrt_B
ZNF384	0.42901	0.54519	0.145	0.12	1	HC_vs_MS.NoTrt_B
ERVK3-1	0.42902	0.32176	0.274	0.25	1	HC_vs_MS.NoTrt_B
C5orf51	0.4291	0.2671	0.099	0.12	1	HC_vs_MS.NoTrt_B
EXO1	0.42929	-0.8971	0.164	0.2	1	HC_vs_MS.NoTrt_B
PRR27	0.42946	0.26292	0.477	0.49	1	HC_vs_MS.NoTrt_B
NLGN4Y	0.42953	0.39826	0.355	0.35	1	HC_vs_MS.NoTrt_B
TAF3	0.4296	0.47467	0.151	0.13	1	HC_vs_MS.NoTrt_B
PAFAH2	0.42998	0.38779	0.47	0.52	1	HC_vs_MS.NoTrt_B
KDM3B	0.43019	0.54493	0.381	0.35	1	HC_vs_MS.NoTrt_B
PBRM1	0.43065	0.43542	0.662	0.7	1	HC_vs_MS.NoTrt_B
ZSCAN22	0.43069	-0.8336	0.399	0.41	1	HC_vs_MS.NoTrt_B
CD59	0.43116	-0.2731	0.675	0.7	1	HC_vs_MS.NoTrt_B
ESRRG	0.43118	0.26146	0.368	0.35	1	HC_vs_MS.NoTrt_B
DDX43	0.43135	0.85005	0.168	0.15	1	HC_vs_MS.NoTrt_B
ERI3	0.43172	0.52529	0.087	0.11	1	HC_vs_MS.NoTrt_B
HS1BP3	0.43234	-0.2575	0.154	0.18	1	HC_vs_MS.NoTrt_B
ACADSB	0.43257	0.34595	0.628	0.72	1	HC_vs_MS.NoTrt_B
EDA	0.43274	0.84701	0.33	0.37	1	HC_vs_MS.NoTrt_B
ABCB8	0.43291	-0.3843	0.533	0.5	1	HC_vs_MS.NoTrt_B
GALNT10	0.43316	-0.3413	0.53	0.57	1	HC_vs_MS.NoTrt_B
NECAP1	0.43334	0.50227	0.436	0.41	1	HC_vs_MS.NoTrt_B
DOT1L	0.43336	0.68016	0.729	0.77	1	HC_vs_MS.NoTrt_B

PIP5K1B	0.43364	0.82816	0.116	0.1	1	HC_vs_MS.NoTrt_B
HSH2D	0.43457	-0.6167	0.601	0.63	1	HC_vs_MS.NoTrt_B
ABHD15	0.43494	0.35639	0.329	0.37	1	HC_vs_MS.NoTrt_B
CMC1	0.4354	0.81381	0.161	0.19	1	HC_vs_MS.NoTrt_B
BCKDHA	0.43556	-0.3114	0.175	0.2	1	HC_vs_MS.NoTrt_B
EMSY	0.43564	0.41397	0.49	0.48	1	HC_vs_MS.NoTrt_B
DALRD3	0.43617	-0.3801	0.116	0.14	1	HC_vs_MS.NoTrt_B
ATP6V1A	0.43646	-0.3996	0.472	0.5	1	HC_vs_MS.NoTrt_B
TUBB4A	0.43655	-0.3186	0.19	0.17	1	HC_vs_MS.NoTrt_B
ZKSCAN4	0.43663	-0.2911	0.435	0.42	1	HC_vs_MS.NoTrt_B
SMC1A	0.43664	0.65775	0.249	0.23	1	HC_vs_MS.NoTrt_B
SLC25A23	0.43668	0.83951	0.507	0.52	1	HC_vs_MS.NoTrt_B
ALDH3A2	0.43729	-0.5874	0.262	0.29	1	HC_vs_MS.NoTrt_B
BICDL1	0.4374	0.25604	0.581	0.57	1	HC_vs_MS.NoTrt_B
TMEM52B	0.43783	0.44563	0.658	0.7	1	HC_vs_MS.NoTrt_B
CHRNA6	0.43792	-0.4292	0.425	0.5	1	HC_vs_MS.NoTrt_B
FAM20B	0.43822	-0.8039	0.565	0.62	1	HC_vs_MS.NoTrt_B
ZFAND6	0.43879	0.3989	0.203	0.18	1	HC_vs_MS.NoTrt_B
PKIB	0.43919	0.28454	0.7	0.74	1	HC_vs_MS.NoTrt_B
HIST1H2BG	0.43931	1.2591	0.472	0.47	1	HC_vs_MS.NoTrt_B
LZTFL1	0.43952	-0.3502	0.532	0.57	1	HC_vs_MS.NoTrt_B
VDR	0.43969	-0.5619	0.288	0.25	1	HC_vs_MS.NoTrt_B
GRIPAP1	0.43978	-0.2895	0.729	0.77	1	HC_vs_MS.NoTrt_B
THADA	0.43982	0.40249	0.854	0.85	1	HC_vs_MS.NoTrt_B
SLFN13	0.43993	0.45322	0.574	0.57	1	HC_vs_MS.NoTrt_B
IL21R	0.44004	0.25062	0.523	0.57	1	HC_vs_MS.NoTrt_B
ATP8B2	0.44039	0.25104	0.807	0.83	1	HC_vs_MS.NoTrt_B
CCDC192	0.44062	0.3227	0.093	0.11	1	HC_vs_MS.NoTrt_B
MAP3K4	0.4412	0.82391	0.183	0.16	1	HC_vs_MS.NoTrt_B
PLIN3	0.44123	-0.4675	0.519	0.48	1	HC_vs_MS.NoTrt_B
NLE1	0.44156	1.12252	0.214	0.2	1	HC_vs_MS.NoTrt_B
ACSBG1	0.44164	0.26348	0.361	0.35	1	HC_vs_MS.NoTrt_B
NCAPD2	0.44208	-0.325	0.403	0.44	1	HC_vs_MS.NoTrt_B
DSC2	0.44247	-1.0585	0.291	0.27	1	HC_vs_MS.NoTrt_B
MED12	0.44254	0.31944	0.172	0.2	1	HC_vs_MS.NoTrt_B
HELB	0.44264	0.37032	0.899	0.91	1	HC_vs_MS.NoTrt_B
PCED1A	0.44303	0.27343	0.136	0.16	1	HC_vs_MS.NoTrt_B
HMGA2	0.44311	0.25277	0.612	0.62	1	HC_vs_MS.NoTrt_B
ZNF254	0.44328	0.61499	0.397	0.41	1	HC_vs_MS.NoTrt_B
FSD1	0.44457	0.25422	0.39	0.38	1	HC_vs_MS.NoTrt_B

CLN6	0.44458	0.32776	0.759	0.82	1	HC_vs_MS.NoTrt_B
NBPF12	0.44485	0.84204	0.312	0.35	1	HC_vs_MS.NoTrt_B
ARL17A	0.44513	0.26192	0.691	0.75	1	HC_vs_MS.NoTrt_B
INTS1	0.44543	0.527	0.413	0.37	1	HC_vs_MS.NoTrt_B
FAM217B	0.44559	0.58982	0.352	0.35	1	HC_vs_MS.NoTrt_B
NCLN	0.44588	0.36631	0.122	0.15	1	HC_vs_MS.NoTrt_B
SETD2	0.44629	0.36037	0.342	0.37	1	HC_vs_MS.NoTrt_B
PARVA	0.44635	0.343	0.719	0.72	1	HC_vs_MS.NoTrt_B
ZNF644	0.44669	0.63618	0.194	0.17	1	HC_vs_MS.NoTrt_B
IGF2BP3	0.44675	0.26493	0.545	0.55	1	HC_vs_MS.NoTrt_B
NDUFS8	0.44689	-0.2902	0.767	0.84	1	HC_vs_MS.NoTrt_B
NUP85	0.44736	0.87072	0.475	0.49	1	HC_vs_MS.NoTrt_B
SCLT1	0.44762	0.29656	0.614	0.63	1	HC_vs_MS.NoTrt_B
ZNF706	0.44774	0.25308	0.372	0.42	1	HC_vs_MS.NoTrt_B
APBB1	0.44786	0.34482	0.238	0.28	1	HC_vs_MS.NoTrt_B
GALNT16	0.44798	0.56369	0.552	0.58	1	HC_vs_MS.NoTrt_B
PCDHGA8	0.44818	-0.3388	0.596	0.58	1	HC_vs_MS.NoTrt_B
ANKRD17	0.44829	0.32785	0.251	0.28	1	HC_vs_MS.NoTrt_B
EIF5A	0.44849	1.21909	0.577	0.67	1	HC_vs_MS.NoTrt_B
NETO2	0.44858	0.42018	0.532	0.55	1	HC_vs_MS.NoTrt_B
ACSL1	0.44898	0.36175	0.239	0.21	1	HC_vs_MS.NoTrt_B
SYNE4	0.44928	0.60967	0.409	0.41	1	HC_vs_MS.NoTrt_B
ENOX2	0.44938	0.58457	0.088	0.11	1	HC_vs_MS.NoTrt_B
ORMDL2	0.44958	0.2741	0.452	0.49	1	HC_vs_MS.NoTrt_B
MATK	0.44961	0.36755	0.559	0.61	1	HC_vs_MS.NoTrt_B
PTAR1	0.44981	0.27509	0.168	0.2	1	HC_vs_MS.NoTrt_B
C11orf24	0.44986	1.95302	0.246	0.23	1	HC_vs_MS.NoTrt_B
GRHL1	0.45016	0.37721	0.484	0.49	1	HC_vs_MS.NoTrt_B
MIS12	0.45017	-0.4792	0.291	0.34	1	HC_vs_MS.NoTrt_B
SNX3	0.45094	0.56773	0.158	0.14	1	HC_vs_MS.NoTrt_B
FNIP1	0.45097	0.62115	0.575	0.55	1	HC_vs_MS.NoTrt_B
ARHGEF10	0.45098	0.34669	0.607	0.58	1	HC_vs_MS.NoTrt_B
RIT1	0.45107	0.26676	0.388	0.42	1	HC_vs_MS.NoTrt_B
TNS1	0.4513	0.2931	0.245	0.23	1	HC_vs_MS.NoTrt_B
ACTR6	0.45161	-0.2664	0.513	0.54	1	HC_vs_MS.NoTrt_B
KPNB1	0.4525	0.51037	0.697	0.69	1	HC_vs_MS.NoTrt_B
BBX	0.45262	0.26628	0.325	0.37	1	HC_vs_MS.NoTrt_B
MASP2	0.4529	-0.2589	0.236	0.27	1	HC_vs_MS.NoTrt_B
ZNF91	0.45328	0.71442	0.787	0.79	1	HC_vs_MS.NoTrt_B
ANKRD27	0.45343	0.41729	0.193	0.22	1	HC_vs_MS.NoTrt_B

COL6A3	0.45351	0.28699	0.452	0.45	1	HC_vs_MS.NoTrt_B
DCBLD1	0.45378	0.80916	0.504	0.52	1	HC_vs_MS.NoTrt_B
GSK3A	0.45381	0.83017	0.328	0.32	1	HC_vs_MS.NoTrt_B
GDI1	0.45417	0.69055	0.274	0.32	1	HC_vs_MS.NoTrt_B
NR1H2	0.45443	0.30978	0.507	0.55	1	HC_vs_MS.NoTrt_B
FAM210A	0.45471	0.69832	0.257	0.3	1	HC_vs_MS.NoTrt_B
ZNF485	0.45477	0.58658	0.186	0.17	1	HC_vs_MS.NoTrt_B
TRIM34	0.45509	-0.5758	0.314	0.3	1	HC_vs_MS.NoTrt_B
ERCC8	0.45587	0.35772	0.341	0.37	1	HC_vs_MS.NoTrt_B
CBX6	0.45605	0.36072	0.455	0.53	1	HC_vs_MS.NoTrt_B
MTHFD1L	0.45643	0.77747	0.125	0.11	1	HC_vs_MS.NoTrt_B
TIPIN	0.45713	0.51341	0.562	0.59	1	HC_vs_MS.NoTrt_B
SLAIN2	0.4574	0.2781	0.148	0.17	1	HC_vs_MS.NoTrt_B
EXOC3	0.45744	-0.354	0.214	0.24	1	HC_vs_MS.NoTrt_B
CNOT6	0.45755	0.3358	0.09	0.11	1	HC_vs_MS.NoTrt_B
TANGO6	0.45788	0.31097	0.797	0.85	1	HC_vs_MS.NoTrt_B
ZNF2	0.45789	1.23586	0.316	0.36	1	HC_vs_MS.NoTrt_B
GOPC	0.45812	0.90277	0.103	0.09	1	HC_vs_MS.NoTrt_B
KTN1	0.45828	0.32264	0.571	0.67	1	HC_vs_MS.NoTrt_B
SLC2A1	0.4595	-0.2885	0.086	0.1	1	HC_vs_MS.NoTrt_B
HDDC2	0.45958	0.4698	0.116	0.1	1	HC_vs_MS.NoTrt_B
DGKZ	0.45977	0.45732	0.422	0.46	1	HC_vs_MS.NoTrt_B
CCNT1	0.46013	0.50254	0.116	0.1	1	HC_vs_MS.NoTrt_B
STK39	0.46046	0.42374	0.103	0.12	1	HC_vs_MS.NoTrt_B
ZNF624	0.46118	0.47564	0.436	0.43	1	HC_vs_MS.NoTrt_B
WDR89	0.46122	0.30037	0.362	0.41	1	HC_vs_MS.NoTrt_B
UFC1	0.46179	-0.2572	0.778	0.76	1	HC_vs_MS.NoTrt_B
PNRC1	0.46227	0.82826	0.31	0.3	1	HC_vs_MS.NoTrt_B
UBE3A	0.46274	0.59822	0.568	0.55	1	HC_vs_MS.NoTrt_B
CYP3A4	0.46345	0.28952	0.157	0.14	1	HC_vs_MS.NoTrt_B
DZIP3	0.46378	0.8417	0.257	0.24	1	HC_vs_MS.NoTrt_B
CARF	0.464	-0.5537	0.486	0.51	1	HC_vs_MS.NoTrt_B
EIF2AK4	0.46405	0.29335	0.642	0.67	1	HC_vs_MS.NoTrt_B
PRKCE	0.46406	0.63055	0.136	0.12	1	HC_vs_MS.NoTrt_B
LTA4H	0.46408	0.4162	0.33	0.3	1	HC_vs_MS.NoTrt_B
CLDN15	0.46455	0.47454	0.394	0.37	1	HC_vs_MS.NoTrt_B
AK6	0.46527	-0.259	0.184	0.21	1	HC_vs_MS.NoTrt_B
ZNF44	0.46618	-0.5002	0.535	0.52	1	HC_vs_MS.NoTrt_B
ZNF461	0.46637	-0.3746	0.664	0.64	1	HC_vs_MS.NoTrt_B
FAM47E-STE	0.46691	0.4321	0.174	0.21	1	HC_vs_MS.NoTrt_B



C22orf46	0.46814	0.41222	0.364	0.35	1	HC_vs_MS.NoTrt_B
NEMF	0.46877	0.63174	0.777	0.8	1	HC_vs_MS.NoTrt_B
RRM2B	0.46939	0.55336	0.117	0.14	1	HC_vs_MS.NoTrt_B
PPP4C	0.46942	0.25749	0.455	0.42	1	HC_vs_MS.NoTrt_B
ZNF548	0.46961	0.46024	0.638	0.67	1	HC_vs_MS.NoTrt_B
ZFHX3	0.46978	1.1166	0.143	0.12	1	HC_vs_MS.NoTrt_B
RIPK2	0.47013	0.52264	0.161	0.18	1	HC_vs_MS.NoTrt_B
BRD2	0.47044	0.34273	0.546	0.6	1	HC_vs_MS.NoTrt_B
KCNV1	0.4724	0.27507	0.581	0.6	1	HC_vs_MS.NoTrt_B
PRH1	0.47247	0.25697	0.086	0.1	1	HC_vs_MS.NoTrt_B
ATR	0.47273	0.3771	0.468	0.52	1	HC_vs_MS.NoTrt_B
RRP8	0.47277	0.56595	0.486	0.47	1	HC_vs_MS.NoTrt_B
GBA	0.47285	-0.8293	0.458	0.5	1	HC_vs_MS.NoTrt_B
ST7L	0.473	0.27679	0.468	0.47	1	HC_vs_MS.NoTrt_B
FAM71D	0.47313	0.31731	0.12	0.1	1	HC_vs_MS.NoTrt_B
NPIP9	0.47314	0.51336	0.114	0.1	1	HC_vs_MS.NoTrt_B
CXorf57	0.47328	-0.4623	0.11	0.09	1	HC_vs_MS.NoTrt_B
VPS25	0.47328	-0.3821	0.255	0.28	1	HC_vs_MS.NoTrt_B
PRKCD	0.47365	0.52606	0.477	0.48	1	HC_vs_MS.NoTrt_B
FRMPD2	0.4738	0.32859	0.13	0.11	1	HC_vs_MS.NoTrt_B
RBM20	0.47397	0.32569	0.438	0.42	1	HC_vs_MS.NoTrt_B
MAP2K6	0.47434	1.15654	0.333	0.32	1	HC_vs_MS.NoTrt_B
WDR17	0.4745	0.30338	0.716	0.76	1	HC_vs_MS.NoTrt_B
OTUD3	0.47491	1.45506	0.5	0.49	1	HC_vs_MS.NoTrt_B
TP53I13	0.47512	0.77309	0.116	0.14	1	HC_vs_MS.NoTrt_B
PPA1	0.47546	-0.3828	0.797	0.84	1	HC_vs_MS.NoTrt_B
COQ3	0.47562	-0.2523	0.23	0.26	1	HC_vs_MS.NoTrt_B
FKBP4	0.47638	-0.7941	0.094	0.11	1	HC_vs_MS.NoTrt_B
RUVBL2	0.4769	-0.6884	0.854	0.92	1	HC_vs_MS.NoTrt_B
MCMBP	0.47708	1.24821	0.423	0.41	1	HC_vs_MS.NoTrt_B
SSRP1	0.47714	0.59417	0.113	0.14	1	HC_vs_MS.NoTrt_B
ZNF250	0.47717	-0.2568	0.552	0.6	1	HC_vs_MS.NoTrt_B
TMEM184C	0.47788	0.64508	0.533	0.58	1	HC_vs_MS.NoTrt_B
SLC46A1	0.47798	0.39762	0.484	0.45	1	HC_vs_MS.NoTrt_B
SFT2D3	0.47799	0.41847	0.419	0.47	1	HC_vs_MS.NoTrt_B
INTS2	0.47874	0.66745	0.235	0.22	1	HC_vs_MS.NoTrt_B
BMF	0.47907	0.25283	0.139	0.12	1	HC_vs_MS.NoTrt_B
C6orf163	0.4792	0.43453	0.452	0.49	1	HC_vs_MS.NoTrt_B
PARP14	0.47986	0.56981	0.409	0.39	1	HC_vs_MS.NoTrt_B
RBM45	0.47986	0.40039	0.086	0.1	1	HC_vs_MS.NoTrt_B

MYO9B	0.48006	0.53927	0.22	0.26	1	HC_vs_MS.NoTrt_B
CHTOP	0.4801	0.62069	0.593	0.59	1	HC_vs_MS.NoTrt_B
ZNF549	0.48026	1.24669	0.688	0.7	1	HC_vs_MS.NoTrt_B
AKAP11	0.48028	0.53535	0.226	0.21	1	HC_vs_MS.NoTrt_B
IFNLR1	0.48037	0.26085	0.109	0.13	1	HC_vs_MS.NoTrt_B
TEKT2	0.48055	0.46229	0.117	0.14	1	HC_vs_MS.NoTrt_B
UBXN8	0.48107	0.67516	0.177	0.21	1	HC_vs_MS.NoTrt_B
SLC41A1	0.48138	0.48906	0.103	0.09	1	HC_vs_MS.NoTrt_B
SLC18A1	0.4825	0.26881	0.143	0.17	1	HC_vs_MS.NoTrt_B
CTNND1	0.48255	0.52487	0.304	0.3	1	HC_vs_MS.NoTrt_B
RFC5	0.48311	-0.5294	0.119	0.14	1	HC_vs_MS.NoTrt_B
EME2	0.48318	0.95579	0.286	0.32	1	HC_vs_MS.NoTrt_B
MLLT10	0.48325	0.69222	0.3	0.33	1	HC_vs_MS.NoTrt_B
SMIM15	0.48326	0.82883	0.088	0.11	1	HC_vs_MS.NoTrt_B
SYNC	0.48405	0.78115	0.123	0.15	1	HC_vs_MS.NoTrt_B
DENND4B	0.48415	0.38123	0.207	0.24	1	HC_vs_MS.NoTrt_B
MRPS27	0.48433	-0.6554	0.514	0.51	1	HC_vs_MS.NoTrt_B
CHP2	0.48451	0.32382	0.407	0.41	1	HC_vs_MS.NoTrt_B
PPID	0.48456	-0.2994	0.352	0.37	1	HC_vs_MS.NoTrt_B
FADS2	0.48495	0.46751	0.486	0.54	1	HC_vs_MS.NoTrt_B
MOCS2	0.48517	0.58865	0.084	0.1	1	HC_vs_MS.NoTrt_B
U2AF2	0.48567	0.32536	0.186	0.17	1	HC_vs_MS.NoTrt_B
SIDT2	0.48589	0.50346	0.751	0.79	1	HC_vs_MS.NoTrt_B
RAB4B	0.48665	0.28116	0.377	0.35	1	HC_vs_MS.NoTrt_B
REV3L	0.48702	0.38727	0.675	0.72	1	HC_vs_MS.NoTrt_B
FSBP	0.48713	0.87182	0.314	0.36	1	HC_vs_MS.NoTrt_B
ELAC1	0.48717	0.29548	0.439	0.44	1	HC_vs_MS.NoTrt_B
SLC30A8	0.48721	0.29605	0.401	0.38	1	HC_vs_MS.NoTrt_B
XPOT	0.48748	0.39241	0.432	0.41	1	HC_vs_MS.NoTrt_B
HYKK	0.48762	0.41152	0.813	0.86	1	HC_vs_MS.NoTrt_B
GOLPH3L	0.48783	0.44043	0.21	0.24	1	HC_vs_MS.NoTrt_B
TONSL	0.48813	0.78766	0.597	0.62	1	HC_vs_MS.NoTrt_B
CASC3	0.48829	0.32466	0.533	0.52	1	HC_vs_MS.NoTrt_B
ATP13A1	0.48858	0.65139	0.322	0.3	1	HC_vs_MS.NoTrt_B
FAM214A	0.48874	0.62962	0.193	0.22	1	HC_vs_MS.NoTrt_B
AMDHD1	0.48966	0.55997	0.196	0.17	1	HC_vs_MS.NoTrt_B
CC2D2A	0.4897	0.28028	0.241	0.27	1	HC_vs_MS.NoTrt_B
OPRD1	0.48984	0.29233	0.746	0.82	1	HC_vs_MS.NoTrt_B
AASS	0.49002	0.25455	0.312	0.29	1	HC_vs_MS.NoTrt_B
PIGBOS1	0.49015	-0.4166	0.558	0.62	1	HC_vs_MS.NoTrt_B

TTF1	0.49025	-0.4172	0.396	0.42	1	HC_vs_MS.NoTrt_B
ZNF781	0.49059	0.83047	0.291	0.27	1	HC_vs_MS.NoTrt_B
CSNK1D	0.49087	0.30102	0.936	0.96	1	HC_vs_MS.NoTrt_B
BCAT1	0.49104	-0.6079	0.446	0.45	1	HC_vs_MS.NoTrt_B
TK2	0.49106	0.27005	0.126	0.15	1	HC_vs_MS.NoTrt_B
MYADM	0.49152	0.31517	0.728	0.77	1	HC_vs_MS.NoTrt_B
DDX25	0.49242	0.30228	0.654	0.65	1	HC_vs_MS.NoTrt_B
ENO3	0.49278	0.28193	0.467	0.47	1	HC_vs_MS.NoTrt_B
CPSF4	0.49331	0.55898	0.357	0.36	1	HC_vs_MS.NoTrt_B
AP4E1	0.49399	0.45485	0.397	0.38	1	HC_vs_MS.NoTrt_B
TRAF5	0.49403	0.40505	0.716	0.72	1	HC_vs_MS.NoTrt_B
NCALD	0.49446	0.38033	0.699	0.73	1	HC_vs_MS.NoTrt_B
GNE	0.4948	0.86828	0.193	0.17	1	HC_vs_MS.NoTrt_B
RNFT1	0.49531	0.39065	0.401	0.45	1	HC_vs_MS.NoTrt_B
SIMC1	0.49627	0.52898	0.42	0.48	1	HC_vs_MS.NoTrt_B
LCP2	0.49651	0.34007	0.719	0.77	1	HC_vs_MS.NoTrt_B
ARL14EP	0.49655	-0.6574	0.203	0.22	1	HC_vs_MS.NoTrt_B
LPCAT4	0.4966	0.39267	0.262	0.3	1	HC_vs_MS.NoTrt_B
ZSCAN20	0.49715	0.78366	0.238	0.22	1	HC_vs_MS.NoTrt_B
USF3	0.4975	0.30325	0.699	0.74	1	HC_vs_MS.NoTrt_B
CAMK4	0.4978	0.36131	0.648	0.7	1	HC_vs_MS.NoTrt_B
CHIC2	0.49784	0.51312	0.171	0.2	1	HC_vs_MS.NoTrt_B
SEMA3B	0.49893	0.55083	0.226	0.26	1	HC_vs_MS.NoTrt_B
KIAA1143	0.49933	0.29706	0.491	0.47	1	HC_vs_MS.NoTrt_B
SLC16A10	0.49937	0.30939	0.823	0.81	1	HC_vs_MS.NoTrt_B
MRPS23	0.4994	-0.4629	0.78	0.82	1	HC_vs_MS.NoTrt_B
HSD3B7	0.49953	0.67077	0.432	0.44	1	HC_vs_MS.NoTrt_B
PTOV1	0.49976	0.91716	0.133	0.12	1	HC_vs_MS.NoTrt_B
UNKL	0.50005	0.58301	0.43	0.4	1	HC_vs_MS.NoTrt_B
ZNF181	0.50006	0.57083	0.157	0.18	1	HC_vs_MS.NoTrt_B
CFP	0.5002	-0.613	0.357	0.41	1	HC_vs_MS.NoTrt_B
C9orf3	0.5004	-0.4882	0.704	0.73	1	HC_vs_MS.NoTrt_B
CADM1	0.50044	1.38883	0.19	0.17	1	HC_vs_MS.NoTrt_B
DYRK1A	0.50132	0.35739	0.681	0.68	1	HC_vs_MS.NoTrt_B
GNA13	0.50147	0.74213	0.132	0.16	1	HC_vs_MS.NoTrt_B
MRPS15	0.50194	-0.5048	0.49	0.44	1	HC_vs_MS.NoTrt_B
RP11-231C1	0.50321	0.34804	0.655	0.69	1	HC_vs_MS.NoTrt_B
RASGRP2	0.5035	0.43987	0.384	0.43	1	HC_vs_MS.NoTrt_B
JUNB	0.50423	0.87297	0.354	0.38	1	HC_vs_MS.NoTrt_B
ZBED5	0.50508	0.28	0.678	0.7	1	HC_vs_MS.NoTrt_B

CADPS	0.50522	0.34992	0.33	0.32	1	HC_vs_MS.NoTrt_B
MRFAP1	0.50559	-0.2553	0.268	0.29	1	HC_vs_MS.NoTrt_B
GALNT6	0.5058	0.7158	0.655	0.71	1	HC_vs_MS.NoTrt_B
MFGE8	0.50623	0.51979	0.504	0.54	1	HC_vs_MS.NoTrt_B
TGDS	0.50663	0.62304	0.107	0.09	1	HC_vs_MS.NoTrt_B
F2RL1	0.50687	0.96207	0.191	0.17	1	HC_vs_MS.NoTrt_B
ZNF836	0.50689	0.42013	0.161	0.18	1	HC_vs_MS.NoTrt_B
OPA1	0.50702	0.31682	0.122	0.14	1	HC_vs_MS.NoTrt_B
DNAJC3	0.50714	0.29335	0.458	0.5	1	HC_vs_MS.NoTrt_B
NLRP2	0.50735	0.38675	0.794	0.81	1	HC_vs_MS.NoTrt_B
TAPT1	0.50773	0.58308	0.684	0.7	1	HC_vs_MS.NoTrt_B
CDK12	0.50774	0.29226	0.512	0.56	1	HC_vs_MS.NoTrt_B
NOL4L	0.50824	0.38818	0.597	0.69	1	HC_vs_MS.NoTrt_B
RBM18	0.50829	0.39523	0.312	0.29	1	HC_vs_MS.NoTrt_B
RNF212	0.50829	0.26263	0.572	0.58	1	HC_vs_MS.NoTrt_B
SF1	0.5089	0.44556	0.512	0.63	1	HC_vs_MS.NoTrt_B
RAB2B	0.509	0.38627	0.652	0.65	1	HC_vs_MS.NoTrt_B
SLC41A3	0.50909	-0.6546	0.286	0.31	1	HC_vs_MS.NoTrt_B
ZNF84	0.50917	0.62915	0.284	0.26	1	HC_vs_MS.NoTrt_B
ZNF530	0.50953	0.7984	0.483	0.45	1	HC_vs_MS.NoTrt_B
PIK3C2A	0.50979	1.19235	0.386	0.37	1	HC_vs_MS.NoTrt_B
KCNMB4	0.51048	0.4031	0.293	0.33	1	HC_vs_MS.NoTrt_B
CCDC124	0.51107	0.33935	0.486	0.49	1	HC_vs_MS.NoTrt_B
LNPEP	0.51167	0.30968	0.583	0.65	1	HC_vs_MS.NoTrt_B
SIN3A	0.51174	0.36179	0.783	0.78	1	HC_vs_MS.NoTrt_B
FANCA	0.51179	-0.4688	0.259	0.28	1	HC_vs_MS.NoTrt_B
XPO1	0.51197	0.25944	0.916	0.93	1	HC_vs_MS.NoTrt_B
CDC5L	0.51199	0.47795	0.59	0.6	1	HC_vs_MS.NoTrt_B
HAUS7	0.51202	0.33532	0.091	0.11	1	HC_vs_MS.NoTrt_B
NPAT	0.51242	0.56137	0.71	0.79	1	HC_vs_MS.NoTrt_B
MCUR1	0.51258	0.531	0.786	0.82	1	HC_vs_MS.NoTrt_B
ZNF835	0.51266	0.29381	0.558	0.57	1	HC_vs_MS.NoTrt_B
ZC3HC1	0.51299	-0.4696	0.458	0.5	1	HC_vs_MS.NoTrt_B
KCTD13	0.51317	0.83539	0.135	0.12	1	HC_vs_MS.NoTrt_B
EPS8	0.51318	-0.4496	0.391	0.38	1	HC_vs_MS.NoTrt_B
DTD1	0.51368	0.26153	0.307	0.28	1	HC_vs_MS.NoTrt_B
PIGP	0.5137	0.27031	0.775	0.82	1	HC_vs_MS.NoTrt_B
RBM38	0.51377	0.3866	0.125	0.15	1	HC_vs_MS.NoTrt_B
TTN	0.5138	0.51849	0.628	0.69	1	HC_vs_MS.NoTrt_B
TTC21B	0.51427	0.37916	0.359	0.35	1	HC_vs_MS.NoTrt_B

ANO8	0.51429	0.64309	0.133	0.12	1	HC_vs_MS.NoTrt_B
XRCC1	0.51458	-0.3572	0.161	0.18	1	HC_vs_MS.NoTrt_B
PADI2	0.51467	0.44736	0.217	0.2	1	HC_vs_MS.NoTrt_B
ESF1	0.51474	0.78616	0.136	0.12	1	HC_vs_MS.NoTrt_B
CCDC152	0.51492	0.52492	0.197	0.23	1	HC_vs_MS.NoTrt_B
SPC24	0.51504	-0.2884	0.859	0.82	1	HC_vs_MS.NoTrt_B
PRRC1	0.51524	0.35042	0.352	0.38	1	HC_vs_MS.NoTrt_B
SNCAIP	0.51563	0.31371	0.384	0.4	1	HC_vs_MS.NoTrt_B
DIABLO	0.51578	-0.3673	0.674	0.72	1	HC_vs_MS.NoTrt_B
SEC31B	0.51626	0.34579	0.446	0.47	1	HC_vs_MS.NoTrt_B
C3orf49	0.51633	0.36536	0.31	0.3	1	HC_vs_MS.NoTrt_B
RAB39A	0.5165	0.28222	0.349	0.36	1	HC_vs_MS.NoTrt_B
ZNF69	0.51658	-0.3653	0.452	0.43	1	HC_vs_MS.NoTrt_B
ARHGAP27	0.51664	0.35887	0.526	0.59	1	HC_vs_MS.NoTrt_B
FAM69A	0.51667	0.62342	0.106	0.12	1	HC_vs_MS.NoTrt_B
PKHD1L1	0.51676	0.38679	0.446	0.47	1	HC_vs_MS.NoTrt_B
RGS1	0.5169	0.54309	0.129	0.11	1	HC_vs_MS.NoTrt_B
ADGB	0.51738	0.27261	0.158	0.15	1	HC_vs_MS.NoTrt_B
CDC6	0.51756	0.28593	0.27	0.25	1	HC_vs_MS.NoTrt_B
MRPL49	0.51766	-0.3354	0.455	0.46	1	HC_vs_MS.NoTrt_B
NUDT14	0.5179	0.54537	0.438	0.48	1	HC_vs_MS.NoTrt_B
ITGAE	0.51796	0.40903	0.574	0.6	1	HC_vs_MS.NoTrt_B
CC2D1A	0.51896	0.34402	0.681	0.74	1	HC_vs_MS.NoTrt_B
PROX2	0.51932	0.346	0.123	0.11	1	HC_vs_MS.NoTrt_B
PSMG1	0.51948	0.39145	0.126	0.15	1	HC_vs_MS.NoTrt_B
RP11-526A4	0.52104	0.2725	0.338	0.34	1	HC_vs_MS.NoTrt_B
CDC14A	0.52171	0.51193	0.229	0.26	1	HC_vs_MS.NoTrt_B
NAV3	0.52188	0.30157	0.704	0.75	1	HC_vs_MS.NoTrt_B
PAQR7	0.52204	0.46365	0.486	0.49	1	HC_vs_MS.NoTrt_B
RPS17	0.52206	0.2637	0.394	0.42	1	HC_vs_MS.NoTrt_B
LRR37A	0.5222	0.69015	0.399	0.44	1	HC_vs_MS.NoTrt_B
LGALS9	0.52239	0.63541	0.299	0.29	1	HC_vs_MS.NoTrt_B
KDM5C	0.52377	0.83974	0.37	0.42	1	HC_vs_MS.NoTrt_B
SELM	0.52409	0.28497	0.259	0.29	1	HC_vs_MS.NoTrt_B
PTPRS	0.52448	0.25887	0.509	0.57	1	HC_vs_MS.NoTrt_B
ZNF140	0.52615	-0.4394	0.149	0.17	1	HC_vs_MS.NoTrt_B
ITPKB	0.52618	0.58724	0.562	0.59	1	HC_vs_MS.NoTrt_B
MAP3K11	0.52625	0.87721	0.612	0.64	1	HC_vs_MS.NoTrt_B
WDFY2	0.52643	-0.3337	0.558	0.58	1	HC_vs_MS.NoTrt_B
WDR77	0.52648	0.29676	0.106	0.12	1	HC_vs_MS.NoTrt_B

HENMT1	0.52688	-0.4032	0.332	0.36	1	HC_vs_MS.NoTrt_B
PITPNM1	0.52718	0.5369	0.246	0.23	1	HC_vs_MS.NoTrt_B
SLC30A7	0.52723	0.28614	0.599	0.64	1	HC_vs_MS.NoTrt_B
MTFR1	0.52743	0.57791	0.125	0.15	1	HC_vs_MS.NoTrt_B
MRPS30	0.5278	0.54643	0.328	0.32	1	HC_vs_MS.NoTrt_B
ZFP36	0.52808	0.32884	0.393	0.45	1	HC_vs_MS.NoTrt_B
WDR36	0.52817	0.57702	0.142	0.12	1	HC_vs_MS.NoTrt_B
PGGHG	0.52842	0.49569	0.146	0.13	1	HC_vs_MS.NoTrt_B
ST20-MTHFS	0.52856	0.68867	0.116	0.1	1	HC_vs_MS.NoTrt_B
SLC25A40	0.5294	-0.2758	0.297	0.29	1	HC_vs_MS.NoTrt_B
FBXW12	0.52944	0.26035	0.323	0.36	1	HC_vs_MS.NoTrt_B
USP21	0.52983	0.53706	0.113	0.1	1	HC_vs_MS.NoTrt_B
ZNF223	0.52985	0.97938	0.101	0.09	1	HC_vs_MS.NoTrt_B
PDS5A	0.5302	0.37109	0.754	0.8	1	HC_vs_MS.NoTrt_B
MEGF8	0.5306	0.71103	0.393	0.38	1	HC_vs_MS.NoTrt_B
RNF103	0.53081	0.44304	0.574	0.58	1	HC_vs_MS.NoTrt_B
ZNRF1	0.53163	0.4272	0.274	0.26	1	HC_vs_MS.NoTrt_B
CDK16	0.53181	0.53599	0.113	0.1	1	HC_vs_MS.NoTrt_B
ZP3	0.53197	0.47663	0.601	0.61	1	HC_vs_MS.NoTrt_B
ALDH5A1	0.53206	0.92253	0.468	0.51	1	HC_vs_MS.NoTrt_B
ADNP	0.53207	0.8264	0.438	0.47	1	HC_vs_MS.NoTrt_B
BOLA2	0.5323	0.43484	0.123	0.15	1	HC_vs_MS.NoTrt_B
NIPSNAP1	0.53234	-0.5037	0.393	0.35	1	HC_vs_MS.NoTrt_B
TGOLN2	0.53264	0.50824	0.619	0.65	1	HC_vs_MS.NoTrt_B
PPP2CA	0.53268	0.38495	0.691	0.78	1	HC_vs_MS.NoTrt_B
RSBN1	0.53269	0.30897	0.249	0.23	1	HC_vs_MS.NoTrt_B
ILDR2	0.53273	0.26563	0.304	0.29	1	HC_vs_MS.NoTrt_B
WHAMM	0.53282	0.38886	0.814	0.84	1	HC_vs_MS.NoTrt_B
C1GALT1	0.53326	0.57017	0.564	0.58	1	HC_vs_MS.NoTrt_B
MUM1	0.53372	-0.2648	0.599	0.58	1	HC_vs_MS.NoTrt_B
OGG1	0.5339	0.31712	0.364	0.34	1	HC_vs_MS.NoTrt_B
AP3M2	0.53427	0.36237	0.101	0.09	1	HC_vs_MS.NoTrt_B
PCGF3	0.53451	0.28189	0.229	0.25	1	HC_vs_MS.NoTrt_B
CREB1	0.53463	0.37051	0.643	0.71	1	HC_vs_MS.NoTrt_B
TLR3	0.53466	0.28799	0.286	0.28	1	HC_vs_MS.NoTrt_B
NDC80	0.53497	-0.8181	0.684	0.7	1	HC_vs_MS.NoTrt_B
TXK	0.53499	0.54844	0.599	0.63	1	HC_vs_MS.NoTrt_B
STOML1	0.53504	-0.4654	0.765	0.82	1	HC_vs_MS.NoTrt_B
NMT2	0.53509	-0.4577	0.925	0.92	1	HC_vs_MS.NoTrt_B
TBC1D2B	0.5352	0.97333	0.294	0.33	1	HC_vs_MS.NoTrt_B

CCDC38	0.53528	0.29132	0.378	0.38	1	HC_vs_MS.NoTrt_B
NR1I3	0.5353	0.30228	0.399	0.4	1	HC_vs_MS.NoTrt_B
NR6A1	0.53548	0.27936	0.378	0.39	1	HC_vs_MS.NoTrt_B
DCDC1	0.53553	0.36257	0.48	0.47	1	HC_vs_MS.NoTrt_B
C3orf33	0.53578	0.25406	0.475	0.48	1	HC_vs_MS.NoTrt_B
CTDSP2	0.53604	0.52992	0.216	0.25	1	HC_vs_MS.NoTrt_B
GMIP	0.53605	0.99454	0.254	0.3	1	HC_vs_MS.NoTrt_B
RBCK1	0.53695	0.32094	0.201	0.23	1	HC_vs_MS.NoTrt_B
FIGNL1	0.53721	0.54579	0.114	0.14	1	HC_vs_MS.NoTrt_B
FOXRED2	0.53724	0.35396	0.529	0.55	1	HC_vs_MS.NoTrt_B
OFD1	0.53726	0.53375	0.246	0.24	1	HC_vs_MS.NoTrt_B
PAM16	0.53741	0.4562	0.181	0.2	1	HC_vs_MS.NoTrt_B
ASIC4	0.53757	0.44771	0.21	0.2	1	HC_vs_MS.NoTrt_B
CDK6	0.53811	0.51167	0.145	0.17	1	HC_vs_MS.NoTrt_B
SLC39A4	0.53886	0.38626	0.386	0.37	1	HC_vs_MS.NoTrt_B
ZNF410	0.53932	-0.4941	0.535	0.5	1	HC_vs_MS.NoTrt_B
USP6NL	0.53936	0.6505	0.768	0.82	1	HC_vs_MS.NoTrt_B
MRPL52	0.53975	0.52627	0.626	0.67	1	HC_vs_MS.NoTrt_B
ARSK	0.54003	-0.26	0.538	0.6	1	HC_vs_MS.NoTrt_B
GALE	0.54073	-1.1128	0.323	0.36	1	HC_vs_MS.NoTrt_B
RELA	0.54078	0.58918	0.154	0.18	1	HC_vs_MS.NoTrt_B
JAKMIP2	0.54155	-0.8136	0.352	0.38	1	HC_vs_MS.NoTrt_B
STON2	0.54224	0.36666	0.258	0.29	1	HC_vs_MS.NoTrt_B
ZNF260	0.54268	0.33217	0.506	0.55	1	HC_vs_MS.NoTrt_B
OGFOD1	0.54309	-0.2837	0.596	0.68	1	HC_vs_MS.NoTrt_B
GPATCH4	0.54309	0.92404	0.277	0.31	1	HC_vs_MS.NoTrt_B
HYOU1	0.5432	0.33328	0.475	0.47	1	HC_vs_MS.NoTrt_B
WDFY1	0.54367	0.57006	0.339	0.33	1	HC_vs_MS.NoTrt_B
PROSER1	0.54478	0.28855	0.171	0.2	1	HC_vs_MS.NoTrt_B
PDE8A	0.54482	0.99782	0.397	0.44	1	HC_vs_MS.NoTrt_B
NCOA3	0.54507	0.32575	0.739	0.78	1	HC_vs_MS.NoTrt_B
HDAC9	0.54508	0.95118	0.459	0.51	1	HC_vs_MS.NoTrt_B
FAM83G	0.54512	0.70084	0.432	0.43	1	HC_vs_MS.NoTrt_B
ERCC6L2	0.54586	0.33918	0.203	0.18	1	HC_vs_MS.NoTrt_B
CCNG2	0.54615	0.29276	0.265	0.29	1	HC_vs_MS.NoTrt_B
TBRG1	0.5462	0.42253	0.632	0.68	1	HC_vs_MS.NoTrt_B
KIAA1841	0.54624	0.41216	0.846	0.88	1	HC_vs_MS.NoTrt_B
PCF11	0.54636	0.35902	0.519	0.53	1	HC_vs_MS.NoTrt_B
USP48	0.54647	0.44347	0.499	0.54	1	HC_vs_MS.NoTrt_B
DMGDH	0.5468	0.2827	0.397	0.45	1	HC_vs_MS.NoTrt_B

TIMM21	0.5469	0.5045	0.633	0.63	1	HC_vs_MS.NoTrt_B
SRSF11	0.54691	0.25922	0.771	0.82	1	HC_vs_MS.NoTrt_B
UBR3	0.54703	0.71417	0.116	0.14	1	HC_vs_MS.NoTrt_B
GLUL	0.54745	0.37374	0.158	0.18	1	HC_vs_MS.NoTrt_B
CEP76	0.54752	0.50365	0.787	0.82	1	HC_vs_MS.NoTrt_B
SC5D	0.54762	0.32426	0.517	0.51	1	HC_vs_MS.NoTrt_B
ZNF565	0.54788	0.82941	0.093	0.11	1	HC_vs_MS.NoTrt_B
GOLGA8A	0.54833	0.61235	0.412	0.47	1	HC_vs_MS.NoTrt_B
C2CD2	0.54834	0.71936	0.22	0.21	1	HC_vs_MS.NoTrt_B
C16orf58	0.54844	0.28228	0.107	0.09	1	HC_vs_MS.NoTrt_B
ANKRD18A	0.54867	0.42564	0.232	0.22	1	HC_vs_MS.NoTrt_B
UNG	0.54894	0.79614	0.2	0.18	1	HC_vs_MS.NoTrt_B
FOCAD	0.54904	0.77713	0.529	0.55	1	HC_vs_MS.NoTrt_B
SUDS3	0.54925	0.38783	0.775	0.81	1	HC_vs_MS.NoTrt_B
VIL1	0.54959	0.42713	0.155	0.17	1	HC_vs_MS.NoTrt_B
ANKRD13C	0.54989	0.3054	0.167	0.19	1	HC_vs_MS.NoTrt_B
NBEAL1	0.5502	0.74932	0.87	0.89	1	HC_vs_MS.NoTrt_B
PPP4R3B	0.55031	0.30498	0.425	0.45	1	HC_vs_MS.NoTrt_B
PYCR1	0.55053	-0.6606	0.406	0.45	1	HC_vs_MS.NoTrt_B
TMEM65	0.55066	0.46751	0.683	0.72	1	HC_vs_MS.NoTrt_B
COA1	0.55105	0.3784	0.759	0.82	1	HC_vs_MS.NoTrt_B
PLEKHS1	0.5517	0.25707	0.152	0.14	1	HC_vs_MS.NoTrt_B
SFR1	0.55171	0.29141	0.242	0.27	1	HC_vs_MS.NoTrt_B
KIAA0100	0.55181	1.1156	0.497	0.5	1	HC_vs_MS.NoTrt_B
VNN3	0.55188	0.32597	0.358	0.37	1	HC_vs_MS.NoTrt_B
TPX2	0.55193	0.69425	0.181	0.2	1	HC_vs_MS.NoTrt_B
PDLIM2	0.55228	0.25303	0.729	0.78	1	HC_vs_MS.NoTrt_B
ATG3	0.55232	0.2962	0.409	0.36	1	HC_vs_MS.NoTrt_B
FBXL4	0.55243	0.47816	0.554	0.55	1	HC_vs_MS.NoTrt_B
VAMP7	0.55341	0.25201	0.099	0.11	1	HC_vs_MS.NoTrt_B
MMAB	0.55368	0.41311	0.664	0.67	1	HC_vs_MS.NoTrt_B
ZNF805	0.554	0.4463	0.739	0.74	1	HC_vs_MS.NoTrt_B
CCDC7	0.55416	0.2994	0.122	0.14	1	HC_vs_MS.NoTrt_B
DENND3	0.55419	0.46187	0.454	0.45	1	HC_vs_MS.NoTrt_B
ELOVL7	0.55447	0.29996	0.319	0.31	1	HC_vs_MS.NoTrt_B
PCDHB9	0.55468	0.26596	0.348	0.4	1	HC_vs_MS.NoTrt_B
MAP3K9	0.55476	0.6477	0.448	0.52	1	HC_vs_MS.NoTrt_B
PTCD1	0.55501	0.38332	0.59	0.61	1	HC_vs_MS.NoTrt_B
RCAN3	0.55514	0.2539	0.781	0.81	1	HC_vs_MS.NoTrt_B
PDZD7	0.55526	0.34143	0.483	0.51	1	HC_vs_MS.NoTrt_B



LRR8B	0.55602	1.20692	0.409	0.47	1	HC_vs_MS.NoTrt_B
METTL25	0.55609	0.67581	0.18	0.16	1	HC_vs_MS.NoTrt_B
ATP6V1E1	0.55616	-0.7225	0.632	0.66	1	HC_vs_MS.NoTrt_B
SGCB	0.55693	0.44389	0.267	0.24	1	HC_vs_MS.NoTrt_B
HELZ2	0.55734	0.83472	0.633	0.7	1	HC_vs_MS.NoTrt_B
TUBGCP3	0.5574	0.55262	0.167	0.19	1	HC_vs_MS.NoTrt_B
TTC19	0.55825	0.29856	0.762	0.75	1	HC_vs_MS.NoTrt_B
HECTD4	0.55852	0.87907	0.662	0.69	1	HC_vs_MS.NoTrt_B
RSAD1	0.55933	0.60001	0.087	0.1	1	HC_vs_MS.NoTrt_B
AP3S2	0.55977	-0.2924	0.694	0.68	1	HC_vs_MS.NoTrt_B
CNOT4	0.55978	0.61042	0.686	0.74	1	HC_vs_MS.NoTrt_B
ULK2	0.56046	0.37757	0.701	0.74	1	HC_vs_MS.NoTrt_B
KDM3A	0.56167	0.2655	0.146	0.13	1	HC_vs_MS.NoTrt_B
ACAD10	0.56174	0.35018	0.446	0.49	1	HC_vs_MS.NoTrt_B
MKLN1	0.56224	0.37165	0.572	0.6	1	HC_vs_MS.NoTrt_B
ATP7B	0.56226	0.74119	0.2	0.18	1	HC_vs_MS.NoTrt_B
SORD	0.56242	0.83578	0.142	0.16	1	HC_vs_MS.NoTrt_B
POLR2B	0.56243	0.50198	0.446	0.48	1	HC_vs_MS.NoTrt_B
ICOSLG	0.56244	0.25701	0.722	0.75	1	HC_vs_MS.NoTrt_B
HERC5	0.56259	0.35205	0.21	0.23	1	HC_vs_MS.NoTrt_B
FNBP4	0.56276	0.41546	0.481	0.48	1	HC_vs_MS.NoTrt_B
SOCS7	0.56278	0.55938	0.349	0.4	1	HC_vs_MS.NoTrt_B
CMBL	0.5631	0.2577	0.48	0.5	1	HC_vs_MS.NoTrt_B
LSR	0.56324	-0.3384	0.152	0.17	1	HC_vs_MS.NoTrt_B
GBA2	0.56328	0.51606	0.567	0.59	1	HC_vs_MS.NoTrt_B
FKBP5	0.56347	0.3229	0.762	0.88	1	HC_vs_MS.NoTrt_B
TMIGD2	0.56358	0.61304	0.199	0.19	1	HC_vs_MS.NoTrt_B
ST8SIA6	0.56361	0.86325	0.443	0.51	1	HC_vs_MS.NoTrt_B
RWDD3	0.56423	0.389	0.126	0.15	1	HC_vs_MS.NoTrt_B
SEC62	0.56465	0.38835	0.414	0.44	1	HC_vs_MS.NoTrt_B
ATG16L2	0.56475	0.28276	0.816	0.87	1	HC_vs_MS.NoTrt_B
MCL1	0.5649	0.63179	0.372	0.38	1	HC_vs_MS.NoTrt_B
SLC37A2	0.56508	0.36725	0.525	0.59	1	HC_vs_MS.NoTrt_B
RHPN2	0.56526	0.39009	0.548	0.57	1	HC_vs_MS.NoTrt_B
ZFYVE28	0.5657	0.48151	0.133	0.15	1	HC_vs_MS.NoTrt_B
TDG	0.56577	0.52164	0.339	0.32	1	HC_vs_MS.NoTrt_B
UTP14A	0.5662	-0.5297	0.18	0.16	1	HC_vs_MS.NoTrt_B
ZNF652	0.56666	0.46368	0.493	0.53	1	HC_vs_MS.NoTrt_B
RAD1	0.56708	0.27566	0.72	0.73	1	HC_vs_MS.NoTrt_B
SPTLC1	0.56724	-0.2547	0.723	0.74	1	HC_vs_MS.NoTrt_B

COIL	0.56725	0.78633	0.106	0.12	1	HC_vs_MS.NoTrt_B
ZNF790	0.56821	-0.6342	0.488	0.52	1	HC_vs_MS.NoTrt_B
HIST1H3E	0.56845	-0.2716	0.112	0.1	1	HC_vs_MS.NoTrt_B
ZNF285	0.5687	0.25435	0.297	0.29	1	HC_vs_MS.NoTrt_B
ABO	0.5689	-0.459	0.362	0.36	1	HC_vs_MS.NoTrt_B
RSRC1	0.56965	-0.2519	0.739	0.71	1	HC_vs_MS.NoTrt_B
UBA2	0.57006	0.40777	0.513	0.54	1	HC_vs_MS.NoTrt_B
KIF3A	0.57017	0.44737	0.675	0.72	1	HC_vs_MS.NoTrt_B
DDHD2	0.5703	0.45335	0.793	0.81	1	HC_vs_MS.NoTrt_B
PSTPIP1	0.57048	-0.381	0.414	0.43	1	HC_vs_MS.NoTrt_B
PSMD10	0.57136	0.5281	0.316	0.3	1	HC_vs_MS.NoTrt_B
ZNF471	0.5715	0.26253	0.819	0.89	1	HC_vs_MS.NoTrt_B
UBTF	0.57155	0.76263	0.212	0.2	1	HC_vs_MS.NoTrt_B
SHCBP1	0.57162	0.25611	0.707	0.76	1	HC_vs_MS.NoTrt_B
CAMK1	0.57189	0.41843	0.516	0.56	1	HC_vs_MS.NoTrt_B
PITHD1	0.572	0.34434	0.145	0.13	1	HC_vs_MS.NoTrt_B
NBPF9	0.57204	0.51128	0.709	0.72	1	HC_vs_MS.NoTrt_B
GAB3	0.5722	1.08466	0.346	0.39	1	HC_vs_MS.NoTrt_B
POLR1C	0.57226	0.35689	0.412	0.38	1	HC_vs_MS.NoTrt_B
RPF2	0.5724	0.25294	0.304	0.29	1	HC_vs_MS.NoTrt_B
ANTXRL	0.57323	0.32596	0.204	0.24	1	HC_vs_MS.NoTrt_B
HSPD1	0.57355	0.48404	0.193	0.22	1	HC_vs_MS.NoTrt_B
PATL2	0.57379	1.009	0.358	0.37	1	HC_vs_MS.NoTrt_B
PPP2R3A	0.57402	0.26068	0.701	0.76	1	HC_vs_MS.NoTrt_B
FHIT	0.57421	0.42628	0.657	0.63	1	HC_vs_MS.NoTrt_B
PDE4B	0.57427	0.3909	0.28	0.31	1	HC_vs_MS.NoTrt_B
PRKRA	0.57432	0.37713	0.216	0.24	1	HC_vs_MS.NoTrt_B
SPC25	0.57459	0.41347	0.677	0.72	1	HC_vs_MS.NoTrt_B
GPATCH1	0.57464	-0.6043	0.361	0.38	1	HC_vs_MS.NoTrt_B
APPL1	0.57468	0.89083	0.414	0.41	1	HC_vs_MS.NoTrt_B
DSP	0.57484	0.27508	0.096	0.11	1	HC_vs_MS.NoTrt_B
RASAL2	0.5749	0.26485	0.481	0.47	1	HC_vs_MS.NoTrt_B
KIAA1551	0.57518	0.32942	0.497	0.58	1	HC_vs_MS.NoTrt_B
NUP205	0.57598	0.79733	0.174	0.2	1	HC_vs_MS.NoTrt_B
SEMA4F	0.57648	-0.2637	0.486	0.52	1	HC_vs_MS.NoTrt_B
TAB2	0.57655	0.32321	0.584	0.57	1	HC_vs_MS.NoTrt_B
FAF1	0.57657	0.29497	0.436	0.47	1	HC_vs_MS.NoTrt_B
C2orf49	0.5773	0.30873	0.425	0.42	1	HC_vs_MS.NoTrt_B
MFSD9	0.57749	-0.5223	0.488	0.47	1	HC_vs_MS.NoTrt_B
COPA	0.57753	0.25341	0.223	0.25	1	HC_vs_MS.NoTrt_B

TMEM161B	0.57762	0.36678	0.641	0.68	1	HC_vs_MS.NoTrt_B
CDH26	0.57783	0.39493	0.159	0.15	1	HC_vs_MS.NoTrt_B
SARM1	0.57784	-0.4109	0.443	0.43	1	HC_vs_MS.NoTrt_B
EP300	0.57827	0.44062	0.707	0.72	1	HC_vs_MS.NoTrt_B
CROCC	0.57836	0.3783	0.48	0.47	1	HC_vs_MS.NoTrt_B
KLF7	0.57855	-1.0472	0.188	0.16	1	HC_vs_MS.NoTrt_B
TJP3	0.57923	0.4531	0.103	0.12	1	HC_vs_MS.NoTrt_B
ZNF517	0.57934	0.3625	0.375	0.37	1	HC_vs_MS.NoTrt_B
ACER1	0.57954	0.42495	0.438	0.46	1	HC_vs_MS.NoTrt_B
UBE2G2	0.58049	-0.3027	0.713	0.74	1	HC_vs_MS.NoTrt_B
DCUN1D3	0.58051	0.33259	0.139	0.12	1	HC_vs_MS.NoTrt_B
ANKRD40	0.58128	0.26526	0.746	0.78	1	HC_vs_MS.NoTrt_B
MAML2	0.58156	0.53559	0.272	0.26	1	HC_vs_MS.NoTrt_B
PPP1R3E	0.58158	-0.3094	0.209	0.23	1	HC_vs_MS.NoTrt_B
SMG6	0.58192	-0.3877	0.188	0.2	1	HC_vs_MS.NoTrt_B
YARS2	0.58224	0.39891	0.377	0.36	1	HC_vs_MS.NoTrt_B
CUBN	0.58247	0.53767	0.397	0.41	1	HC_vs_MS.NoTrt_B
FAR2	0.58295	0.95768	0.186	0.21	1	HC_vs_MS.NoTrt_B
MAP2K7	0.58343	0.43115	0.609	0.64	1	HC_vs_MS.NoTrt_B
SLC26A11	0.58364	-0.3498	0.654	0.71	1	HC_vs_MS.NoTrt_B
NDFIP2	0.58367	0.60267	0.132	0.12	1	HC_vs_MS.NoTrt_B
GRK5	0.58374	-0.3142	0.155	0.17	1	HC_vs_MS.NoTrt_B
PLA2G7	0.58403	0.38841	0.594	0.62	1	HC_vs_MS.NoTrt_B
CCDC22	0.58426	0.56649	0.129	0.11	1	HC_vs_MS.NoTrt_B
SFXN1	0.58436	0.37974	0.775	0.82	1	HC_vs_MS.NoTrt_B
IL20RB	0.58453	0.77741	0.229	0.22	1	HC_vs_MS.NoTrt_B
SETD4	0.58537	0.53698	0.483	0.48	1	HC_vs_MS.NoTrt_B
LARGE1	0.58566	0.25936	0.557	0.55	1	HC_vs_MS.NoTrt_B
3-Mar	0.58586	0.50043	0.326	0.36	1	HC_vs_MS.NoTrt_B
CMTR2	0.58631	0.57392	0.257	0.24	1	HC_vs_MS.NoTrt_B
TMEM39B	0.58645	0.49188	0.17	0.19	1	HC_vs_MS.NoTrt_B
SES3	0.58662	0.83803	0.259	0.25	1	HC_vs_MS.NoTrt_B
CNNM3	0.58662	0.61325	0.609	0.63	1	HC_vs_MS.NoTrt_B
SUN1	0.58684	0.88044	0.593	0.61	1	HC_vs_MS.NoTrt_B
SES1	0.58695	0.66383	0.19	0.18	1	HC_vs_MS.NoTrt_B
HEMGN	0.58723	0.30006	0.117	0.14	1	HC_vs_MS.NoTrt_B
CGN	0.58793	0.287	0.201	0.2	1	HC_vs_MS.NoTrt_B
NFATC1	0.588	0.57749	0.164	0.15	1	HC_vs_MS.NoTrt_B
ZNF770	0.5883	0.2951	0.322	0.34	1	HC_vs_MS.NoTrt_B
SP1	0.58897	0.84551	0.168	0.16	1	HC_vs_MS.NoTrt_B

NBN	0.58899	0.3671	0.104	0.12	1	HC_vs_MS.NoTrt_B
TP53	0.58953	0.41599	0.772	0.84	1	HC_vs_MS.NoTrt_B
SNX19	0.58968	0.26664	0.21	0.23	1	HC_vs_MS.NoTrt_B
PHTF1	0.58996	-0.4894	0.428	0.45	1	HC_vs_MS.NoTrt_B
TFR2	0.59004	0.28036	0.696	0.71	1	HC_vs_MS.NoTrt_B
CTBS	0.5901	0.43222	0.125	0.14	1	HC_vs_MS.NoTrt_B
MTMR10	0.59012	0.59932	0.159	0.18	1	HC_vs_MS.NoTrt_B
LPAR4	0.59016	0.53489	0.132	0.12	1	HC_vs_MS.NoTrt_B
TBC1D20	0.59102	0.75943	0.568	0.63	1	HC_vs_MS.NoTrt_B
PPP5C	0.59141	0.30984	0.397	0.39	1	HC_vs_MS.NoTrt_B
PUM3	0.59241	0.34257	0.135	0.12	1	HC_vs_MS.NoTrt_B
BBS2	0.59254	0.26655	0.661	0.72	1	HC_vs_MS.NoTrt_B
RHEB	0.5928	0.4365	0.128	0.15	1	HC_vs_MS.NoTrt_B
WRAP73	0.59281	0.37992	0.33	0.31	1	HC_vs_MS.NoTrt_B
SGK1	0.59285	-0.436	0.371	0.37	1	HC_vs_MS.NoTrt_B
SKIDA1	0.5931	-0.2708	0.404	0.41	1	HC_vs_MS.NoTrt_B
TRIP11	0.59336	0.41956	0.52	0.5	1	HC_vs_MS.NoTrt_B
DDX60L	0.59342	0.55615	0.714	0.76	1	HC_vs_MS.NoTrt_B
P4HB	0.59351	-0.2889	0.654	0.65	1	HC_vs_MS.NoTrt_B
MBD6	0.5936	0.73152	0.199	0.18	1	HC_vs_MS.NoTrt_B
SNX5	0.59383	0.26703	0.583	0.63	1	HC_vs_MS.NoTrt_B
RBM26	0.59394	0.78335	0.468	0.5	1	HC_vs_MS.NoTrt_B
C18orf32	0.59434	0.27222	0.835	0.87	1	HC_vs_MS.NoTrt_B
FBXO6	0.59539	0.73462	0.617	0.71	1	HC_vs_MS.NoTrt_B
KCNK3	0.59644	0.37123	0.609	0.68	1	HC_vs_MS.NoTrt_B
PHLDA1	0.59674	-0.3754	0.459	0.44	1	HC_vs_MS.NoTrt_B
GLT8D1	0.59711	-0.4195	0.229	0.24	1	HC_vs_MS.NoTrt_B
AC138645.2	0.59725	0.39149	0.112	0.1	1	HC_vs_MS.NoTrt_B
PDP2	0.59748	-0.4121	0.778	0.87	1	HC_vs_MS.NoTrt_B
JOSD1	0.59818	0.72105	0.533	0.5	1	HC_vs_MS.NoTrt_B
POLR3H	0.59829	0.46249	0.238	0.22	1	HC_vs_MS.NoTrt_B
QRSL1	0.59891	0.45391	0.555	0.6	1	HC_vs_MS.NoTrt_B
CEP63	0.59903	-0.4151	0.699	0.76	1	HC_vs_MS.NoTrt_B
POU5F2	0.60107	0.64302	0.678	0.68	1	HC_vs_MS.NoTrt_B
IWS1	0.60131	0.6096	0.128	0.15	1	HC_vs_MS.NoTrt_B
CUL9	0.60162	0.47362	0.154	0.17	1	HC_vs_MS.NoTrt_B
BET1	0.60168	0.27131	0.568	0.56	1	HC_vs_MS.NoTrt_B
CLEC4E	0.60198	0.29501	0.343	0.4	1	HC_vs_MS.NoTrt_B
ZFP2	0.60319	1.18095	0.19	0.18	1	HC_vs_MS.NoTrt_B
CTD-2192J10	0.60325	0.71261	0.133	0.12	1	HC_vs_MS.NoTrt_B

ZNF235	0.60408	0.79173	0.103	0.09	1	HC_vs_MS.NoTrt_B
ANKEF1	0.60427	0.68701	0.214	0.25	1	HC_vs_MS.NoTrt_B
ZNF280B	0.60441	0.58291	0.116	0.13	1	HC_vs_MS.NoTrt_B
GSTO2	0.60449	0.39328	0.858	0.91	1	HC_vs_MS.NoTrt_B
PCYT1A	0.60466	-0.3964	0.507	0.5	1	HC_vs_MS.NoTrt_B
PPP4R1	0.60476	-0.637	0.238	0.25	1	HC_vs_MS.NoTrt_B
WDR33	0.60499	0.74397	0.254	0.25	1	HC_vs_MS.NoTrt_B
GTF2E2	0.60512	0.7937	0.588	0.62	1	HC_vs_MS.NoTrt_B
PAK1	0.60539	-1.137	0.155	0.17	1	HC_vs_MS.NoTrt_B
UBE2A	0.60582	0.55767	0.346	0.32	1	HC_vs_MS.NoTrt_B
SLC25A51	0.6059	0.51059	0.538	0.57	1	HC_vs_MS.NoTrt_B
ZNF555	0.60664	0.85512	0.587	0.61	1	HC_vs_MS.NoTrt_B
VARS2	0.60728	0.5324	0.471	0.45	1	HC_vs_MS.NoTrt_B
TUT1	0.60734	-0.6244	0.097	0.11	1	HC_vs_MS.NoTrt_B
EGFL8	0.60737	0.32735	0.483	0.52	1	HC_vs_MS.NoTrt_B
KIF9	0.60747	0.34358	0.106	0.09	1	HC_vs_MS.NoTrt_B
CFD	0.6076	0.79785	0.151	0.14	1	HC_vs_MS.NoTrt_B
TECPR2	0.60778	1.09013	0.345	0.34	1	HC_vs_MS.NoTrt_B
NAA30	0.6078	0.84427	0.443	0.46	1	HC_vs_MS.NoTrt_B
RAB3IP	0.60808	0.71358	0.674	0.67	1	HC_vs_MS.NoTrt_B
PHC3	0.60848	0.36866	0.958	0.98	1	HC_vs_MS.NoTrt_B
GPN2	0.60856	-0.259	0.774	0.76	1	HC_vs_MS.NoTrt_B
TMPRSS3	0.60887	0.50856	0.342	0.33	1	HC_vs_MS.NoTrt_B
ANGEL2	0.60952	0.36485	0.696	0.69	1	HC_vs_MS.NoTrt_B
TASP1	0.60953	0.37507	0.11	0.1	1	HC_vs_MS.NoTrt_B
CLDND1	0.6096	0.32657	0.355	0.4	1	HC_vs_MS.NoTrt_B
PPM1K	0.61011	-0.3715	0.875	0.89	1	HC_vs_MS.NoTrt_B
PRR23C	0.61013	0.34255	0.4	0.42	1	HC_vs_MS.NoTrt_B
ASUN	0.61063	0.54994	0.109	0.12	1	HC_vs_MS.NoTrt_B
ROCK2	0.6107	0.9213	0.439	0.48	1	HC_vs_MS.NoTrt_B
PRRC2B	0.61081	0.38926	0.268	0.25	1	HC_vs_MS.NoTrt_B
ALS2	0.61121	0.89365	0.435	0.45	1	HC_vs_MS.NoTrt_B
MAN2C1	0.61137	0.31972	0.8	0.78	1	HC_vs_MS.NoTrt_B
KIAA0922	0.61165	0.32998	0.49	0.53	1	HC_vs_MS.NoTrt_B
D2HGDH	0.61165	0.86984	0.439	0.43	1	HC_vs_MS.NoTrt_B
IL17RE	0.61299	-0.6155	0.259	0.24	1	HC_vs_MS.NoTrt_B
NBAS	0.61356	0.53701	0.213	0.2	1	HC_vs_MS.NoTrt_B
ABCE1	0.6137	0.4406	0.346	0.33	1	HC_vs_MS.NoTrt_B
BRD8	0.6139	-0.332	0.735	0.77	1	HC_vs_MS.NoTrt_B
NFATC2	0.61413	0.74409	0.178	0.17	1	HC_vs_MS.NoTrt_B

RP11-894J14	0.61452	0.27765	0.112	0.12	1	HC_vs_MS.NoTrt_B
PLEKHG4B	0.61519	0.38236	0.386	0.44	1	HC_vs_MS.NoTrt_B
HSD11B1L	0.61722	0.26496	0.649	0.7	1	HC_vs_MS.NoTrt_B
FBXO5	0.6176	-0.3253	0.401	0.4	1	HC_vs_MS.NoTrt_B
DYNAP	0.61767	0.26572	0.187	0.18	1	HC_vs_MS.NoTrt_B
TMEM191C	0.6178	0.50039	0.662	0.72	1	HC_vs_MS.NoTrt_B
PPP2R2A	0.61861	0.50828	0.126	0.14	1	HC_vs_MS.NoTrt_B
1-Mar	0.619	0.48766	0.583	0.61	1	HC_vs_MS.NoTrt_B
MARK3	0.6191	0.29286	0.875	0.92	1	HC_vs_MS.NoTrt_B
ABLIM1	0.61961	0.57555	0.413	0.43	1	HC_vs_MS.NoTrt_B
PRMT1	0.6199	-0.3192	0.81	0.82	1	HC_vs_MS.NoTrt_B
MSL1	0.61991	0.41222	0.554	0.64	1	HC_vs_MS.NoTrt_B
PLK1	0.61999	-0.2911	0.383	0.42	1	HC_vs_MS.NoTrt_B
SCUBE3	0.62012	0.34861	0.601	0.67	1	HC_vs_MS.NoTrt_B
ANTXR2	0.62023	-0.3507	0.672	0.67	1	HC_vs_MS.NoTrt_B
TGIF2	0.62028	0.32999	0.343	0.32	1	HC_vs_MS.NoTrt_B
RDH16	0.62037	0.26599	0.684	0.73	1	HC_vs_MS.NoTrt_B
FGD6	0.62047	0.97519	0.43	0.43	1	HC_vs_MS.NoTrt_B
HEATR3	0.62076	0.53278	0.625	0.68	1	HC_vs_MS.NoTrt_B
PCNX3	0.62087	0.61104	0.103	0.09	1	HC_vs_MS.NoTrt_B
PNPLA2	0.62122	0.35586	0.17	0.16	1	HC_vs_MS.NoTrt_B
RNF43	0.62189	0.25557	0.296	0.27	1	HC_vs_MS.NoTrt_B
SNRK	0.62204	0.55529	0.545	0.55	1	HC_vs_MS.NoTrt_B
RAB36	0.6221	0.34828	0.304	0.3	1	HC_vs_MS.NoTrt_B
CD28	0.62224	0.31339	0.597	0.65	1	HC_vs_MS.NoTrt_B
SENP1	0.62281	0.59932	0.167	0.15	1	HC_vs_MS.NoTrt_B
CAMKMT	0.62302	0.84442	0.291	0.28	1	HC_vs_MS.NoTrt_B
GPCPD1	0.62343	0.70321	0.293	0.29	1	HC_vs_MS.NoTrt_B
PDXK	0.62363	0.81061	0.49	0.51	1	HC_vs_MS.NoTrt_B
EMC2	0.62374	-0.2997	0.465	0.5	1	HC_vs_MS.NoTrt_B
LURAP1	0.62457	0.26654	0.339	0.35	1	HC_vs_MS.NoTrt_B
PHC1	0.62501	0.44893	0.12	0.11	1	HC_vs_MS.NoTrt_B
SGSM1	0.62504	0.36453	0.477	0.48	1	HC_vs_MS.NoTrt_B
PES1	0.62573	0.28055	0.104	0.09	1	HC_vs_MS.NoTrt_B
STX7	0.62621	0.78442	0.72	0.74	1	HC_vs_MS.NoTrt_B
TMEM186	0.62628	0.48893	0.51	0.56	1	HC_vs_MS.NoTrt_B
LYRM1	0.62631	0.84812	0.548	0.57	1	HC_vs_MS.NoTrt_B
SLCO2A1	0.62643	0.33566	0.357	0.37	1	HC_vs_MS.NoTrt_B
BET1L	0.62644	0.35252	0.213	0.2	1	HC_vs_MS.NoTrt_B
C9orf66	0.62697	0.25499	0.574	0.58	1	HC_vs_MS.NoTrt_B

PARP9	0.62743	0.73509	0.388	0.4	1	HC_vs_MS.NoTrt_B
PIGO	0.62746	0.31539	0.342	0.32	1	HC_vs_MS.NoTrt_B
NUDC	0.62759	0.2586	0.546	0.62	1	HC_vs_MS.NoTrt_B
SNAPC5	0.62772	0.50836	0.536	0.57	1	HC_vs_MS.NoTrt_B
SLC17A5	0.62797	-0.5338	0.5	0.51	1	HC_vs_MS.NoTrt_B
ZFAT	0.62832	-0.8355	0.319	0.31	1	HC_vs_MS.NoTrt_B
ABCA2	0.62961	1.0538	0.238	0.23	1	HC_vs_MS.NoTrt_B
ZC2HC1C	0.62969	0.48988	0.109	0.12	1	HC_vs_MS.NoTrt_B
FBLN1	0.62974	0.27855	0.146	0.14	1	HC_vs_MS.NoTrt_B
UQCC1	0.62989	0.29014	0.517	0.52	1	HC_vs_MS.NoTrt_B
LEAP2	0.63089	0.27541	0.191	0.21	1	HC_vs_MS.NoTrt_B
ABCC5	0.63092	-0.3206	0.136	0.15	1	HC_vs_MS.NoTrt_B
GPX2	0.63097	0.49231	0.18	0.2	1	HC_vs_MS.NoTrt_B
PTCD2	0.63154	0.44959	0.541	0.61	1	HC_vs_MS.NoTrt_B
FAM185A	0.63177	0.37645	0.103	0.09	1	HC_vs_MS.NoTrt_B
LRRC47	0.6318	0.34631	0.281	0.3	1	HC_vs_MS.NoTrt_B
TRA2A	0.63203	0.31318	0.759	0.81	1	HC_vs_MS.NoTrt_B
RNGTT	0.63255	0.35905	0.394	0.39	1	HC_vs_MS.NoTrt_B
KIAA1614	0.63294	0.34643	0.303	0.34	1	HC_vs_MS.NoTrt_B
FMNL3	0.63318	0.47191	0.235	0.22	1	HC_vs_MS.NoTrt_B
ZNF486	0.63349	0.25133	0.649	0.65	1	HC_vs_MS.NoTrt_B
NOMO2	0.6344	0.81811	0.184	0.18	1	HC_vs_MS.NoTrt_B
MAPK9	0.63441	0.28757	0.442	0.48	1	HC_vs_MS.NoTrt_B
IPCEF1	0.63508	0.31917	0.53	0.52	1	HC_vs_MS.NoTrt_B
ZNF267	0.63513	0.32337	0.117	0.13	1	HC_vs_MS.NoTrt_B
CCDC102B	0.63553	0.34234	0.157	0.17	1	HC_vs_MS.NoTrt_B
VHL	0.63578	0.26286	0.749	0.77	1	HC_vs_MS.NoTrt_B
CWF19L1	0.63605	-0.5522	0.784	0.83	1	HC_vs_MS.NoTrt_B
CXCR2	0.63624	0.28089	0.28	0.28	1	HC_vs_MS.NoTrt_B
INCA1	0.63636	-0.4682	0.18	0.21	1	HC_vs_MS.NoTrt_B
GRTP1	0.63649	0.32489	0.506	0.51	1	HC_vs_MS.NoTrt_B
CNKSR1	0.63654	-0.6097	0.138	0.15	1	HC_vs_MS.NoTrt_B
ENTPD7	0.63669	0.51312	0.345	0.34	1	HC_vs_MS.NoTrt_B
NAT9	0.63781	0.34768	0.18	0.2	1	HC_vs_MS.NoTrt_B
ADAM15	0.63812	-0.4213	0.361	0.34	1	HC_vs_MS.NoTrt_B
DIAPH2	0.63824	0.66993	0.304	0.33	1	HC_vs_MS.NoTrt_B
QSOX1	0.63869	0.33359	0.37	0.36	1	HC_vs_MS.NoTrt_B
MED13	0.63872	0.35642	0.588	0.58	1	HC_vs_MS.NoTrt_B
UCKL1	0.6388	-0.269	0.113	0.12	1	HC_vs_MS.NoTrt_B
PINK1	0.63906	-0.2789	0.268	0.28	1	HC_vs_MS.NoTrt_B

IQCK	0.63918	0.57614	0.19	0.22	1	HC_vs_MS.NoTrt_B
VPS9D1	0.63961	0.26185	0.226	0.24	1	HC_vs_MS.NoTrt_B
MTUS1	0.6397	1.07571	0.339	0.37	1	HC_vs_MS.NoTrt_B
NUP50	0.63974	0.31945	0.649	0.69	1	HC_vs_MS.NoTrt_B
FANCI	0.64106	0.29718	0.52	0.51	1	HC_vs_MS.NoTrt_B
ARFIP1	0.64112	-0.3127	0.212	0.22	1	HC_vs_MS.NoTrt_B
CRIM1	0.6412	0.37542	0.139	0.13	1	HC_vs_MS.NoTrt_B
GPR137B	0.64131	0.80855	0.088	0.1	1	HC_vs_MS.NoTrt_B
SNTG2	0.64132	0.26751	0.219	0.21	1	HC_vs_MS.NoTrt_B
SIK3	0.6426	0.54107	0.243	0.27	1	HC_vs_MS.NoTrt_B
ZNF43	0.64286	-0.3541	0.726	0.72	1	HC_vs_MS.NoTrt_B
VPS18	0.64467	-0.3727	0.197	0.21	1	HC_vs_MS.NoTrt_B
CALD1	0.64503	-0.6657	0.191	0.18	1	HC_vs_MS.NoTrt_B
GNB2	0.64531	0.43034	0.491	0.5	1	HC_vs_MS.NoTrt_B
ZNF831	0.6456	0.67001	0.236	0.23	1	HC_vs_MS.NoTrt_B
MAPK8IP3	0.64565	0.35716	0.148	0.16	1	HC_vs_MS.NoTrt_B
TEFM	0.6464	0.43718	0.652	0.7	1	HC_vs_MS.NoTrt_B
C16orf45	0.64656	0.33631	0.203	0.18	1	HC_vs_MS.NoTrt_B
RNASEH1	0.64711	-0.2553	0.729	0.74	1	HC_vs_MS.NoTrt_B
MEF2A	0.64784	0.4606	0.443	0.48	1	HC_vs_MS.NoTrt_B
EHBP1	0.64784	0.4653	0.354	0.38	1	HC_vs_MS.NoTrt_B
PCNX1	0.64791	0.2695	0.857	0.88	1	HC_vs_MS.NoTrt_B
FCHO2	0.64829	0.60263	0.309	0.3	1	HC_vs_MS.NoTrt_B
CNOT6L	0.64883	0.69162	0.274	0.27	1	HC_vs_MS.NoTrt_B
EIF2B4	0.64889	0.70239	0.486	0.52	1	HC_vs_MS.NoTrt_B
CH507-9B2.1	0.64936	0.52994	0.403	0.43	1	HC_vs_MS.NoTrt_B
ACVR1	0.64958	-0.394	0.193	0.21	1	HC_vs_MS.NoTrt_B
UFM1	0.65004	0.40404	0.326	0.34	1	HC_vs_MS.NoTrt_B
CIPC	0.65036	-0.4269	0.37	0.4	1	HC_vs_MS.NoTrt_B
GCN1	0.65036	0.4142	0.171	0.16	1	HC_vs_MS.NoTrt_B
SLC12A7	0.65062	0.36098	0.138	0.15	1	HC_vs_MS.NoTrt_B
ZNF720	0.65065	0.25003	0.497	0.51	1	HC_vs_MS.NoTrt_B
CREBL2	0.65161	0.75949	0.09	0.1	1	HC_vs_MS.NoTrt_B
NAF1	0.65166	0.53705	0.409	0.4	1	HC_vs_MS.NoTrt_B
RFX2	0.65174	1.00337	0.477	0.49	1	HC_vs_MS.NoTrt_B
STX8	0.65177	-0.3175	0.854	0.91	1	HC_vs_MS.NoTrt_B
ATP6V1C1	0.65184	-0.3072	0.47	0.45	1	HC_vs_MS.NoTrt_B
RFXANK	0.65206	-0.7873	0.242	0.24	1	HC_vs_MS.NoTrt_B
NUCKS1	0.65243	0.32455	0.496	0.55	1	HC_vs_MS.NoTrt_B
JMJD6	0.65272	-0.4988	0.455	0.44	1	HC_vs_MS.NoTrt_B



DDIAS	0.65282	0.59857	0.355	0.35	1	HC_vs_MS.NoTrt_B
GHRL	0.65285	0.35941	0.088	0.1	1	HC_vs_MS.NoTrt_B
PML	0.65302	0.4629	0.596	0.6	1	HC_vs_MS.NoTrt_B
PHF19	0.65307	0.46629	0.12	0.14	1	HC_vs_MS.NoTrt_B
PRR29	0.65328	0.44862	0.171	0.2	1	HC_vs_MS.NoTrt_B
LEF1	0.65329	0.34787	0.604	0.63	1	HC_vs_MS.NoTrt_B
FBXW7	0.65332	0.49759	0.152	0.14	1	HC_vs_MS.NoTrt_B
PAPD5	0.65357	0.49016	0.136	0.15	1	HC_vs_MS.NoTrt_B
COL4A3BP	0.65393	0.59041	0.129	0.15	1	HC_vs_MS.NoTrt_B
RASGEF1B	0.65416	0.56961	0.672	0.72	1	HC_vs_MS.NoTrt_B
SMIM19	0.65428	0.54801	0.472	0.47	1	HC_vs_MS.NoTrt_B
TRIM44	0.6543	0.67841	0.275	0.27	1	HC_vs_MS.NoTrt_B
ARHGAP26	0.65478	0.40411	0.626	0.68	1	HC_vs_MS.NoTrt_B
CSPP1	0.65481	1.13986	0.397	0.4	1	HC_vs_MS.NoTrt_B
FMN1	0.65518	0.38646	0.206	0.2	1	HC_vs_MS.NoTrt_B
FAM21C	0.6553	0.29067	0.203	0.22	1	HC_vs_MS.NoTrt_B
HCFC1	0.65548	0.43387	0.296	0.29	1	HC_vs_MS.NoTrt_B
PTK7	0.65555	0.25675	0.564	0.58	1	HC_vs_MS.NoTrt_B
RBM14-RBM	0.65608	0.60487	0.09	0.1	1	HC_vs_MS.NoTrt_B
DYRK2	0.65693	0.52379	0.181	0.2	1	HC_vs_MS.NoTrt_B
OAZ2	0.65719	-0.2576	0.755	0.83	1	HC_vs_MS.NoTrt_B
RHOT1	0.65753	0.27635	0.178	0.19	1	HC_vs_MS.NoTrt_B
CUL4B	0.65762	0.60571	0.107	0.12	1	HC_vs_MS.NoTrt_B
HEATR5B	0.65769	0.32824	0.438	0.46	1	HC_vs_MS.NoTrt_B
HACL1	0.65816	0.40536	0.125	0.14	1	HC_vs_MS.NoTrt_B
FCGRT	0.65824	-0.4129	0.217	0.23	1	HC_vs_MS.NoTrt_B
GNA11	0.65892	0.25863	0.53	0.51	1	HC_vs_MS.NoTrt_B
RGCC	0.65894	0.50165	0.18	0.2	1	HC_vs_MS.NoTrt_B
ATIC	0.65916	0.26439	0.377	0.41	1	HC_vs_MS.NoTrt_B
SSBP3	0.66037	-0.3106	0.394	0.43	1	HC_vs_MS.NoTrt_B
ERC1	0.66038	0.42622	0.861	0.92	1	HC_vs_MS.NoTrt_B
ARHGAP31	0.66091	0.3416	0.293	0.29	1	HC_vs_MS.NoTrt_B
NANOS1	0.66132	0.26296	0.459	0.48	1	HC_vs_MS.NoTrt_B
TMEM229B	0.6617	0.86264	0.172	0.19	1	HC_vs_MS.NoTrt_B
PTBP3	0.66196	0.69387	0.325	0.36	1	HC_vs_MS.NoTrt_B
PARP11	0.66216	0.66522	0.454	0.49	1	HC_vs_MS.NoTrt_B
NANP	0.66229	-0.7841	0.275	0.3	1	HC_vs_MS.NoTrt_B
WDR55	0.6624	-0.2648	0.613	0.67	1	HC_vs_MS.NoTrt_B
MAP4K4	0.66244	0.27341	0.538	0.57	1	HC_vs_MS.NoTrt_B
ZNF746	0.66282	0.25161	0.194	0.21	1	HC_vs_MS.NoTrt_B

AC138969.4	0.66292	0.51139	0.436	0.47	1	HC_vs_MS.NoTrt_B
DBT	0.66299	-0.5405	0.851	0.85	1	HC_vs_MS.NoTrt_B
C2orf54	0.66303	0.29742	0.114	0.11	1	HC_vs_MS.NoTrt_B
MLF1	0.66312	0.29795	0.293	0.29	1	HC_vs_MS.NoTrt_B
FKRP	0.66421	0.34536	0.633	0.67	1	HC_vs_MS.NoTrt_B
GYG1	0.66446	-0.4402	0.542	0.52	1	HC_vs_MS.NoTrt_B
PPP2R5A	0.66522	0.53803	0.187	0.2	1	HC_vs_MS.NoTrt_B
TSG101	0.66534	0.25524	0.432	0.45	1	HC_vs_MS.NoTrt_B
VWA7	0.66542	0.75625	0.313	0.31	1	HC_vs_MS.NoTrt_B
BEND7	0.66643	0.28857	0.316	0.34	1	HC_vs_MS.NoTrt_B
AHCTF1	0.66657	0.49181	0.133	0.15	1	HC_vs_MS.NoTrt_B
LRRC8D	0.66704	0.40831	0.148	0.14	1	HC_vs_MS.NoTrt_B
EHD3	0.66794	0.46012	0.091	0.1	1	HC_vs_MS.NoTrt_B
PACSIN2	0.66814	0.26862	0.5	0.5	1	HC_vs_MS.NoTrt_B
C19orf12	0.66827	0.44208	0.335	0.32	1	HC_vs_MS.NoTrt_B
ZNF417	0.66864	0.80927	0.693	0.75	1	HC_vs_MS.NoTrt_B
GCC2	0.66902	0.26145	0.806	0.83	1	HC_vs_MS.NoTrt_B
PACS2	0.66916	0.51232	0.246	0.24	1	HC_vs_MS.NoTrt_B
CCDC127	0.67012	-0.4013	0.716	0.79	1	HC_vs_MS.NoTrt_B
CLK4	0.6705	0.37098	0.657	0.69	1	HC_vs_MS.NoTrt_B
YPEL1	0.67067	0.65833	0.414	0.41	1	HC_vs_MS.NoTrt_B
STYXL1	0.67092	-0.5666	0.268	0.25	1	HC_vs_MS.NoTrt_B
TMEM2	0.67094	0.42338	0.584	0.57	1	HC_vs_MS.NoTrt_B
TMEM19	0.67104	-0.4421	0.743	0.78	1	HC_vs_MS.NoTrt_B
KIF21A	0.67156	0.90207	0.142	0.16	1	HC_vs_MS.NoTrt_B
TEX11	0.67189	0.27607	0.239	0.23	1	HC_vs_MS.NoTrt_B
HBS1L	0.67194	0.36359	0.568	0.58	1	HC_vs_MS.NoTrt_B
ZNF487	0.6724	-0.8022	0.433	0.43	1	HC_vs_MS.NoTrt_B
ZNF518A	0.67399	0.35848	0.113	0.12	1	HC_vs_MS.NoTrt_B
SHC1	0.67406	0.30639	0.63	0.65	1	HC_vs_MS.NoTrt_B
IL27RA	0.67488	0.35711	0.359	0.36	1	HC_vs_MS.NoTrt_B
AHRR	0.67502	0.50282	0.113	0.13	1	HC_vs_MS.NoTrt_B
TMCO6	0.67512	-0.5575	0.475	0.51	1	HC_vs_MS.NoTrt_B
SRPK2	0.6756	0.4609	0.328	0.36	1	HC_vs_MS.NoTrt_B
NSUN5	0.67642	0.79759	0.312	0.35	1	HC_vs_MS.NoTrt_B
SLC28A2	0.6767	0.28478	0.746	0.81	1	HC_vs_MS.NoTrt_B
SLC12A6	0.67696	0.33936	0.759	0.8	1	HC_vs_MS.NoTrt_B
CENPN	0.6772	0.4237	0.155	0.15	1	HC_vs_MS.NoTrt_B
LRSAM1	0.67794	0.48043	0.132	0.12	1	HC_vs_MS.NoTrt_B
MYO9A	0.67857	0.68748	0.323	0.35	1	HC_vs_MS.NoTrt_B

NSD1	0.67861	0.44284	0.645	0.65	1	HC_vs_MS.NoTrt_B
ERCC4	0.67909	0.39636	0.858	0.89	1	HC_vs_MS.NoTrt_B
FAIM	0.67921	0.55148	0.358	0.37	1	HC_vs_MS.NoTrt_B
APLF	0.68015	-0.259	0.128	0.14	1	HC_vs_MS.NoTrt_B
RABEP1	0.68019	0.38824	0.201	0.2	1	HC_vs_MS.NoTrt_B
RBM44	0.68053	0.38059	0.174	0.2	1	HC_vs_MS.NoTrt_B
ZNF286A	0.68056	0.73577	0.354	0.38	1	HC_vs_MS.NoTrt_B
AGPS	0.68064	0.50478	0.119	0.13	1	HC_vs_MS.NoTrt_B
RSAD2	0.68075	0.99017	0.326	0.37	1	HC_vs_MS.NoTrt_B
RC3H1	0.68085	0.59397	0.438	0.5	1	HC_vs_MS.NoTrt_B
WDR76	0.68116	-0.3395	0.658	0.69	1	HC_vs_MS.NoTrt_B
STON1	0.68168	-0.5956	0.301	0.31	1	HC_vs_MS.NoTrt_B
TBRG4	0.68372	0.25222	0.391	0.38	1	HC_vs_MS.NoTrt_B
RNF207	0.68421	-0.6164	0.661	0.73	1	HC_vs_MS.NoTrt_B
ITCH	0.68457	0.46338	0.47	0.5	1	HC_vs_MS.NoTrt_B
LAX1	0.68485	-0.5344	0.467	0.42	1	HC_vs_MS.NoTrt_B
NOP16	0.68526	0.29707	0.201	0.2	1	HC_vs_MS.NoTrt_B
POC1B	0.68559	0.26062	0.742	0.74	1	HC_vs_MS.NoTrt_B
SLC16A4	0.68562	0.50099	0.662	0.68	1	HC_vs_MS.NoTrt_B
MS4A6A	0.68626	0.32647	0.162	0.16	1	HC_vs_MS.NoTrt_B
KIAA1033	0.68725	0.3931	0.281	0.3	1	HC_vs_MS.NoTrt_B
HDAC10	0.68737	0.94556	0.123	0.14	1	HC_vs_MS.NoTrt_B
L2HGDH	0.6884	0.54344	0.807	0.89	1	HC_vs_MS.NoTrt_B
GTF2B	0.68845	0.38613	0.167	0.18	1	HC_vs_MS.NoTrt_B
GMPS	0.68955	-0.5611	0.861	0.87	1	HC_vs_MS.NoTrt_B
RUFY1	0.68976	0.42378	0.309	0.35	1	HC_vs_MS.NoTrt_B
RRAGC	0.68992	0.41911	0.509	0.58	1	HC_vs_MS.NoTrt_B
ASXL1	0.68994	0.4162	0.199	0.22	1	HC_vs_MS.NoTrt_B
MRPS11	0.69012	-0.3123	0.713	0.7	1	HC_vs_MS.NoTrt_B
P4HA1	0.69014	0.28904	0.161	0.17	1	HC_vs_MS.NoTrt_B
MFSD11	0.69098	-0.6164	0.429	0.42	1	HC_vs_MS.NoTrt_B
NSMCE3	0.69138	1.18544	0.319	0.32	1	HC_vs_MS.NoTrt_B
SLCO2B1	0.6914	0.25996	0.309	0.31	1	HC_vs_MS.NoTrt_B
SH3BP1	0.69153	0.92649	0.109	0.1	1	HC_vs_MS.NoTrt_B
LRRC37A2	0.69223	0.33442	0.688	0.76	1	HC_vs_MS.NoTrt_B
SRCAP	0.69234	0.32213	0.662	0.69	1	HC_vs_MS.NoTrt_B
TP53INP1	0.69249	0.54691	0.351	0.37	1	HC_vs_MS.NoTrt_B
NUDT16L1	0.69291	0.56276	0.11	0.1	1	HC_vs_MS.NoTrt_B
MRPL32	0.69314	0.41443	0.122	0.14	1	HC_vs_MS.NoTrt_B
N4BP1	0.69336	0.69345	0.11	0.1	1	HC_vs_MS.NoTrt_B

ZNF772	0.69357	0.45374	0.42	0.45	1	HC_vs_MS.NoTrt_B
PIGS	0.69362	0.32364	0.48	0.51	1	HC_vs_MS.NoTrt_B
PODXL	0.69408	0.28384	0.193	0.22	1	HC_vs_MS.NoTrt_B
ZNF343	0.69446	1.66803	0.433	0.43	1	HC_vs_MS.NoTrt_B
ZNF681	0.69522	0.29003	0.649	0.68	1	HC_vs_MS.NoTrt_B
LANCL3	0.69549	-0.4066	0.259	0.28	1	HC_vs_MS.NoTrt_B
CDHR3	0.69568	-0.272	0.617	0.62	1	HC_vs_MS.NoTrt_B
CELA2A	0.69569	0.25104	0.519	0.53	1	HC_vs_MS.NoTrt_B
AKT3	0.69584	0.45814	0.649	0.7	1	HC_vs_MS.NoTrt_B
ADSSL1	0.69621	0.50408	0.257	0.25	1	HC_vs_MS.NoTrt_B
RPTOR	0.69658	0.70897	0.378	0.4	1	HC_vs_MS.NoTrt_B
CYB5R3	0.69743	-0.272	0.474	0.49	1	HC_vs_MS.NoTrt_B
DVL3	0.69746	0.79064	0.235	0.26	1	HC_vs_MS.NoTrt_B
VPS13D	0.69781	0.60253	0.317	0.34	1	HC_vs_MS.NoTrt_B
GPRC5C	0.69815	0.25118	0.264	0.26	1	HC_vs_MS.NoTrt_B
GON4L	0.69858	0.41361	0.833	0.89	1	HC_vs_MS.NoTrt_B
URB1	0.69896	0.57671	0.471	0.5	1	HC_vs_MS.NoTrt_B
DCTN4	0.69897	-0.2795	0.332	0.34	1	HC_vs_MS.NoTrt_B
UBR4	0.69909	0.31438	0.752	0.78	1	HC_vs_MS.NoTrt_B
NFXL1	0.69918	0.37345	0.103	0.11	1	HC_vs_MS.NoTrt_B
CCS	0.70013	-0.4166	0.204	0.22	1	HC_vs_MS.NoTrt_B
GPBP1L1	0.70023	0.75756	0.458	0.44	1	HC_vs_MS.NoTrt_B
HSPBAP1	0.70055	0.31742	0.5	0.51	1	HC_vs_MS.NoTrt_B
CYP51A1	0.70091	-0.3069	0.454	0.5	1	HC_vs_MS.NoTrt_B
ZNF764	0.70135	0.27141	0.32	0.32	1	HC_vs_MS.NoTrt_B
C1orf210	0.70221	0.33387	0.394	0.39	1	HC_vs_MS.NoTrt_B
CBLB	0.70232	0.26958	0.355	0.36	1	HC_vs_MS.NoTrt_B
ISCA1	0.7031	-0.294	0.659	0.64	1	HC_vs_MS.NoTrt_B
MAP3K2	0.7032	0.40179	0.171	0.16	1	HC_vs_MS.NoTrt_B
SIRT3	0.70345	0.57944	0.294	0.32	1	HC_vs_MS.NoTrt_B
ABHD6	0.70352	-0.5569	0.461	0.46	1	HC_vs_MS.NoTrt_B
IQCE	0.70382	0.31421	0.406	0.44	1	HC_vs_MS.NoTrt_B
TMEM39A	0.70465	0.56345	0.117	0.11	1	HC_vs_MS.NoTrt_B
AARS	0.70482	0.36424	0.426	0.42	1	HC_vs_MS.NoTrt_B
TIMP2	0.70488	0.33172	0.165	0.16	1	HC_vs_MS.NoTrt_B
RPS6KA3	0.70501	0.42218	0.491	0.55	1	HC_vs_MS.NoTrt_B
LZTR1	0.7052	1.26526	0.248	0.28	1	HC_vs_MS.NoTrt_B
HEMK1	0.70521	-0.3731	0.951	0.98	1	HC_vs_MS.NoTrt_B
FRA10AC1	0.70537	0.92074	0.532	0.61	1	HC_vs_MS.NoTrt_B
STX17	0.7057	0.80089	0.452	0.5	1	HC_vs_MS.NoTrt_B

RCC1L	0.70594	0.44821	0.265	0.27	1	HC_vs_MS.NoTrt_B
GPRIN3	0.70662	0.957	0.428	0.49	1	HC_vs_MS.NoTrt_B
EML3	0.70673	0.33174	0.216	0.2	1	HC_vs_MS.NoTrt_B
C22orf39	0.70689	0.61275	0.688	0.69	1	HC_vs_MS.NoTrt_B
C8orf44	0.70705	0.26659	0.535	0.57	1	HC_vs_MS.NoTrt_B
ISY1	0.70785	-0.4581	0.612	0.64	1	HC_vs_MS.NoTrt_B
MGAT4A	0.70839	0.566	0.406	0.41	1	HC_vs_MS.NoTrt_B
LANCL1	0.70859	1.03386	0.122	0.14	1	HC_vs_MS.NoTrt_B
SF3B3	0.70859	-0.4088	0.954	0.96	1	HC_vs_MS.NoTrt_B
NARS2	0.70903	0.30732	0.39	0.42	1	HC_vs_MS.NoTrt_B
BCOR	0.70971	0.38488	0.112	0.1	1	HC_vs_MS.NoTrt_B
SAMD9	0.70972	0.71545	0.183	0.18	1	HC_vs_MS.NoTrt_B
SARDH	0.7098	0.46372	0.388	0.38	1	HC_vs_MS.NoTrt_B
BLOC1S3	0.70996	0.27704	0.586	0.61	1	HC_vs_MS.NoTrt_B
NUDT1	0.71021	-0.4536	0.391	0.38	1	HC_vs_MS.NoTrt_B
SPPL3	0.71025	-0.4583	0.583	0.62	1	HC_vs_MS.NoTrt_B
SGTB	0.71038	0.38005	0.654	0.65	1	HC_vs_MS.NoTrt_B
KRAS	0.71055	0.58538	0.372	0.37	1	HC_vs_MS.NoTrt_B
ACBD5	0.71124	-0.513	0.467	0.45	1	HC_vs_MS.NoTrt_B
LPAR6	0.71129	0.36217	0.396	0.38	1	HC_vs_MS.NoTrt_B
CCNH	0.71138	0.2743	0.178	0.19	1	HC_vs_MS.NoTrt_B
ZNF407	0.7116	0.71165	0.097	0.11	1	HC_vs_MS.NoTrt_B
BIVM	0.71203	0.73896	0.328	0.32	1	HC_vs_MS.NoTrt_B
SIPA1L1	0.71216	0.65908	0.594	0.64	1	HC_vs_MS.NoTrt_B
CCDC174	0.71216	0.63642	0.12	0.11	1	HC_vs_MS.NoTrt_B
FAM208A	0.71218	0.30283	0.736	0.72	1	HC_vs_MS.NoTrt_B
CD22	0.71244	0.25379	0.778	0.83	1	HC_vs_MS.NoTrt_B
NCKAP1	0.7135	0.33184	0.636	0.7	1	HC_vs_MS.NoTrt_B
RRNAD1	0.71367	0.38966	0.643	0.67	1	HC_vs_MS.NoTrt_B
PRKDC	0.71407	0.58605	0.622	0.65	1	HC_vs_MS.NoTrt_B
FCRL1	0.71412	0.4638	0.249	0.24	1	HC_vs_MS.NoTrt_B
TRNT1	0.71417	-0.4613	0.319	0.28	1	HC_vs_MS.NoTrt_B
UBIAD1	0.7142	-0.2893	0.684	0.7	1	HC_vs_MS.NoTrt_B
PDCD2	0.71455	0.50958	0.106	0.1	1	HC_vs_MS.NoTrt_B
PKIA	0.71483	0.74828	0.104	0.1	1	HC_vs_MS.NoTrt_B
LAMC3	0.71498	-0.8617	0.264	0.27	1	HC_vs_MS.NoTrt_B
DUS4L	0.7151	-0.319	0.096	0.1	1	HC_vs_MS.NoTrt_B
RCC2	0.71531	0.55482	0.093	0.1	1	HC_vs_MS.NoTrt_B
CDC73	0.71539	0.66009	0.516	0.54	1	HC_vs_MS.NoTrt_B
KLHDC10	0.71542	0.77859	0.387	0.4	1	HC_vs_MS.NoTrt_B

ZFC3H1	0.71559	0.39653	0.367	0.4	1	HC_vs_MS.NoTrt_B
CARNMT1	0.71559	1.05517	0.097	0.11	1	HC_vs_MS.NoTrt_B
ZNF66	0.71563	-0.3135	0.648	0.69	1	HC_vs_MS.NoTrt_B
SDR42E1	0.71625	1.19334	0.386	0.43	1	HC_vs_MS.NoTrt_B
TIAL1	0.71657	0.6212	0.862	0.89	1	HC_vs_MS.NoTrt_B
FAM3A	0.7167	0.68607	0.752	0.84	1	HC_vs_MS.NoTrt_B
PFKFB2	0.71671	0.88501	0.2	0.2	1	HC_vs_MS.NoTrt_B
PHF3	0.71674	0.45534	0.483	0.52	1	HC_vs_MS.NoTrt_B
DDX23	0.71687	-0.4158	0.662	0.68	1	HC_vs_MS.NoTrt_B
ESYT3	0.71713	0.59372	0.462	0.51	1	HC_vs_MS.NoTrt_B
NIT2	0.71722	0.38584	0.655	0.69	1	HC_vs_MS.NoTrt_B
TRIM24	0.71723	0.29688	0.458	0.47	1	HC_vs_MS.NoTrt_B
CPB1	0.71789	0.32407	0.483	0.51	1	HC_vs_MS.NoTrt_B
PCTP	0.71817	-0.4809	0.391	0.43	1	HC_vs_MS.NoTrt_B
CCNF	0.71855	1.08134	0.439	0.46	1	HC_vs_MS.NoTrt_B
C5	0.71905	-0.2826	0.4	0.39	1	HC_vs_MS.NoTrt_B
ATP8A1	0.71981	0.3264	0.161	0.17	1	HC_vs_MS.NoTrt_B
GCLC	0.72018	0.56733	0.497	0.55	1	HC_vs_MS.NoTrt_B
RGL2	0.72034	0.45838	0.135	0.15	1	HC_vs_MS.NoTrt_B
GTF2IRD1	0.72089	-0.299	0.645	0.64	1	HC_vs_MS.NoTrt_B
AK5	0.72109	0.70915	0.142	0.14	1	HC_vs_MS.NoTrt_B
IGF2BP1	0.72154	0.29917	0.533	0.55	1	HC_vs_MS.NoTrt_B
CBX1	0.72216	0.26046	0.272	0.29	1	HC_vs_MS.NoTrt_B
DOPEY2	0.72241	-0.3317	0.768	0.8	1	HC_vs_MS.NoTrt_B
TBC1D1	0.72254	0.55903	0.616	0.69	1	HC_vs_MS.NoTrt_B
SPDYE6	0.72266	0.7258	0.122	0.14	1	HC_vs_MS.NoTrt_B
CAND1	0.7231	0.34764	0.886	0.91	1	HC_vs_MS.NoTrt_B
TCEAL8	0.72423	0.295	0.109	0.12	1	HC_vs_MS.NoTrt_B
KLC1	0.72495	0.32165	0.586	0.67	1	HC_vs_MS.NoTrt_B
NEBL	0.72496	0.61869	0.287	0.32	1	HC_vs_MS.NoTrt_B
UNC13A	0.72551	0.54613	0.261	0.29	1	HC_vs_MS.NoTrt_B
GNPNAT1	0.72569	0.33577	0.513	0.58	1	HC_vs_MS.NoTrt_B
NBEAL2	0.72686	0.3596	0.206	0.22	1	HC_vs_MS.NoTrt_B
PARD6G	0.7277	0.27082	0.41	0.41	1	HC_vs_MS.NoTrt_B
POTEI	0.72777	0.32204	0.19	0.18	1	HC_vs_MS.NoTrt_B
GFAP	0.72779	0.25036	0.733	0.82	1	HC_vs_MS.NoTrt_B
IGFBP2	0.72815	0.25284	0.574	0.63	1	HC_vs_MS.NoTrt_B
LMAN1	0.72816	0.60597	0.162	0.18	1	HC_vs_MS.NoTrt_B
E2F8	0.72856	0.47069	0.133	0.15	1	HC_vs_MS.NoTrt_B
ZCCHC14	0.72879	0.65428	0.104	0.1	1	HC_vs_MS.NoTrt_B

TOMM70	0.72939	0.53739	0.129	0.14	1	HC_vs_MS.NoTrt_B
SLC35F6	0.72974	-0.2607	0.759	0.81	1	HC_vs_MS.NoTrt_B
LACTB	0.73068	-0.3044	0.558	0.58	1	HC_vs_MS.NoTrt_B
MTMR4	0.73076	0.52222	0.236	0.23	1	HC_vs_MS.NoTrt_B
TRMT112	0.73148	0.27696	0.254	0.29	1	HC_vs_MS.NoTrt_B
DUSP18	0.73154	0.26959	0.586	0.58	1	HC_vs_MS.NoTrt_B
LTB4R	0.73226	-0.7259	0.339	0.31	1	HC_vs_MS.NoTrt_B
CCDC82	0.73234	0.45181	0.129	0.14	1	HC_vs_MS.NoTrt_B
ATAD2B	0.73236	0.36775	0.628	0.69	1	HC_vs_MS.NoTrt_B
POTEC	0.73241	0.50513	0.406	0.44	1	HC_vs_MS.NoTrt_B
SNRNP27	0.73333	0.35712	0.278	0.31	1	HC_vs_MS.NoTrt_B
HINT3	0.73356	0.49019	0.296	0.28	1	HC_vs_MS.NoTrt_B
EVC	0.73367	0.91448	0.242	0.27	1	HC_vs_MS.NoTrt_B
TNPO2	0.73375	0.47833	0.122	0.11	1	HC_vs_MS.NoTrt_B
MCC	0.73376	0.36537	0.438	0.48	1	HC_vs_MS.NoTrt_B
RECQL5	0.73409	0.50333	0.196	0.21	1	HC_vs_MS.NoTrt_B
APOBR	0.7344	0.73501	0.104	0.11	1	HC_vs_MS.NoTrt_B
FAM179A	0.73447	-0.4375	0.772	0.78	1	HC_vs_MS.NoTrt_B
MAD2L1	0.73475	-0.3863	0.435	0.46	1	HC_vs_MS.NoTrt_B
CYB5D1	0.7348	0.43973	0.138	0.13	1	HC_vs_MS.NoTrt_B
GAREM2	0.73499	0.40568	0.499	0.52	1	HC_vs_MS.NoTrt_B
UBE2W	0.73502	0.37034	0.626	0.64	1	HC_vs_MS.NoTrt_B
PMM2	0.73666	-0.3693	0.742	0.73	1	HC_vs_MS.NoTrt_B
KIAA0907	0.73697	0.55832	0.762	0.78	1	HC_vs_MS.NoTrt_B
TENM1	0.73707	0.90592	0.093	0.1	1	HC_vs_MS.NoTrt_B
MINK1	0.73786	0.89223	0.252	0.26	1	HC_vs_MS.NoTrt_B
BTBD11	0.738	1.37083	0.457	0.53	1	HC_vs_MS.NoTrt_B
AGGF1	0.73803	1.04381	0.123	0.12	1	HC_vs_MS.NoTrt_B
OGFR	0.73824	0.29463	0.187	0.18	1	HC_vs_MS.NoTrt_B
FAM120B	0.73844	0.54171	0.346	0.38	1	HC_vs_MS.NoTrt_B
PLOD2	0.73855	0.34552	0.387	0.42	1	HC_vs_MS.NoTrt_B
SUGT1	0.73859	0.42047	0.903	0.94	1	HC_vs_MS.NoTrt_B
ZNF846	0.73901	1.11268	0.446	0.44	1	HC_vs_MS.NoTrt_B
HHLA3	0.7391	0.64816	0.343	0.38	1	HC_vs_MS.NoTrt_B
XPO4	0.73938	1.17453	0.112	0.12	1	HC_vs_MS.NoTrt_B
HDAC4	0.73954	0.30379	0.559	0.58	1	HC_vs_MS.NoTrt_B
TMEM230	0.74063	0.28184	0.497	0.52	1	HC_vs_MS.NoTrt_B
FGF11	0.74087	0.41328	0.21	0.21	1	HC_vs_MS.NoTrt_B
USP54	0.74136	0.6115	0.58	0.63	1	HC_vs_MS.NoTrt_B
CS	0.74226	0.35607	0.842	0.82	1	HC_vs_MS.NoTrt_B

CCDC15	0.74267	-0.8345	0.216	0.21	1	HC_vs_MS.NoTrt_B
ANKRD46	0.74305	0.47912	0.171	0.18	1	HC_vs_MS.NoTrt_B
FBXO31	0.7432	1.32485	0.3	0.31	1	HC_vs_MS.NoTrt_B
DCAKD	0.74373	0.69157	0.39	0.37	1	HC_vs_MS.NoTrt_B
CIAO1	0.74393	0.3047	0.286	0.3	1	HC_vs_MS.NoTrt_B
ETAA1	0.74411	0.31243	0.096	0.1	1	HC_vs_MS.NoTrt_B
MAP2K4	0.74536	1.29971	0.213	0.21	1	HC_vs_MS.NoTrt_B
MAGIX	0.74588	0.69113	0.465	0.48	1	HC_vs_MS.NoTrt_B
TLL4	0.74598	0.5484	0.29	0.32	1	HC_vs_MS.NoTrt_B
KCTD9	0.7461	0.6073	0.183	0.18	1	HC_vs_MS.NoTrt_B
IDH2	0.74643	-0.3666	0.513	0.51	1	HC_vs_MS.NoTrt_B
MOB1A	0.74839	0.37724	0.825	0.88	1	HC_vs_MS.NoTrt_B
RALGAPB	0.74883	0.25739	0.277	0.29	1	HC_vs_MS.NoTrt_B
PLCB2	0.7492	0.29464	0.223	0.22	1	HC_vs_MS.NoTrt_B
TNIP3	0.74927	-0.2904	0.499	0.56	1	HC_vs_MS.NoTrt_B
AEBP2	0.74974	0.38105	0.696	0.7	1	HC_vs_MS.NoTrt_B
EBLN2	0.75065	0.46377	0.114	0.12	1	HC_vs_MS.NoTrt_B
B4GALT5	0.75067	0.92545	0.251	0.28	1	HC_vs_MS.NoTrt_B
ARHGAP44	0.75102	1.27795	0.242	0.24	1	HC_vs_MS.NoTrt_B
C8orf76	0.75107	-0.7425	0.572	0.58	1	HC_vs_MS.NoTrt_B
OLAH	0.75113	0.25842	0.432	0.47	1	HC_vs_MS.NoTrt_B
ADORA2A	0.75184	-0.2702	0.117	0.12	1	HC_vs_MS.NoTrt_B
AP2B1	0.752	0.37716	0.274	0.29	1	HC_vs_MS.NoTrt_B
C21orf58	0.75224	-0.272	0.464	0.49	1	HC_vs_MS.NoTrt_B
FAF2	0.75273	0.73708	0.12	0.11	1	HC_vs_MS.NoTrt_B
DGCR8	0.75352	0.46534	0.116	0.11	1	HC_vs_MS.NoTrt_B
POLR2A	0.75383	0.39337	0.781	0.81	1	HC_vs_MS.NoTrt_B
POMT1	0.75484	-0.6152	0.538	0.58	1	HC_vs_MS.NoTrt_B
SLC25A43	0.75491	0.47345	0.241	0.22	1	HC_vs_MS.NoTrt_B
OR8H2	0.75503	-0.3266	0.186	0.2	1	HC_vs_MS.NoTrt_B
TNFSF13B	0.75539	-0.2945	0.5	0.52	1	HC_vs_MS.NoTrt_B
AR	0.7557	0.31644	0.222	0.24	1	HC_vs_MS.NoTrt_B
U2SURP	0.75644	0.27782	0.333	0.34	1	HC_vs_MS.NoTrt_B
TCEAL3	0.7566	-0.2589	0.11	0.12	1	HC_vs_MS.NoTrt_B
CAPN15	0.75702	0.50701	0.207	0.2	1	HC_vs_MS.NoTrt_B
NUPL2	0.75747	0.26713	0.962	0.98	1	HC_vs_MS.NoTrt_B
RPRD1A	0.75821	0.29927	0.158	0.15	1	HC_vs_MS.NoTrt_B
ZDHHC20	0.75873	0.29751	0.448	0.44	1	HC_vs_MS.NoTrt_B
IL4R	0.75944	0.38148	0.425	0.43	1	HC_vs_MS.NoTrt_B
SNX30	0.75962	0.58353	0.435	0.45	1	HC_vs_MS.NoTrt_B



LRFN1	0.75969	0.52933	0.142	0.15	1	HC_vs_MS.NoTrt_B
HIVEP1	0.7604	0.93709	0.654	0.73	1	HC_vs_MS.NoTrt_B
KLRC1	0.76062	0.53224	0.291	0.3	1	HC_vs_MS.NoTrt_B
RANBP9	0.76098	0.37068	0.186	0.18	1	HC_vs_MS.NoTrt_B
PANK2	0.76194	0.64923	0.517	0.54	1	HC_vs_MS.NoTrt_B
SH2B3	0.76196	0.43291	0.142	0.15	1	HC_vs_MS.NoTrt_B
LPIN3	0.76228	0.45873	0.432	0.43	1	HC_vs_MS.NoTrt_B
IRGM	0.76243	0.32684	0.396	0.42	1	HC_vs_MS.NoTrt_B
PPIF	0.76249	0.32108	0.094	0.1	1	HC_vs_MS.NoTrt_B
DICER1	0.76327	0.74748	0.148	0.16	1	HC_vs_MS.NoTrt_B
TP53BP1	0.76347	0.30027	0.252	0.24	1	HC_vs_MS.NoTrt_B
VPS41	0.76367	0.34924	0.452	0.44	1	HC_vs_MS.NoTrt_B
EHBP1L1	0.76369	0.66408	0.184	0.18	1	HC_vs_MS.NoTrt_B
UNC45B	0.76374	0.33277	0.12	0.11	1	HC_vs_MS.NoTrt_B
JADE1	0.76474	0.59817	0.326	0.32	1	HC_vs_MS.NoTrt_B
ZNF395	0.76503	0.93578	0.542	0.61	1	HC_vs_MS.NoTrt_B
FBXO42	0.76521	0.54843	0.449	0.49	1	HC_vs_MS.NoTrt_B
RP11-1212A	0.76531	0.3319	0.481	0.5	1	HC_vs_MS.NoTrt_B
PPP1R16B	0.76561	0.56318	0.184	0.19	1	HC_vs_MS.NoTrt_B
MRM2	0.76622	0.41685	0.31	0.32	1	HC_vs_MS.NoTrt_B
PSMC4	0.76685	-0.5503	0.457	0.45	1	HC_vs_MS.NoTrt_B
RAC1	0.76701	0.76581	0.151	0.17	1	HC_vs_MS.NoTrt_B
ZDHHC7	0.76713	0.35492	0.17	0.18	1	HC_vs_MS.NoTrt_B
ZNF230	0.76746	0.76429	0.568	0.56	1	HC_vs_MS.NoTrt_B
MRS2	0.76761	-0.3366	0.764	0.77	1	HC_vs_MS.NoTrt_B
CRIPAK	0.76793	0.35296	0.21	0.23	1	HC_vs_MS.NoTrt_B
KIF1BP	0.76803	0.48967	0.617	0.63	1	HC_vs_MS.NoTrt_B
TRIM39	0.76843	0.32756	0.112	0.12	1	HC_vs_MS.NoTrt_B
RSPRY1	0.76857	-0.3502	0.335	0.36	1	HC_vs_MS.NoTrt_B
LYST	0.76882	1.25836	0.291	0.3	1	HC_vs_MS.NoTrt_B
CLCN3	0.76922	1.0692	0.364	0.39	1	HC_vs_MS.NoTrt_B
DNAJA4	0.76951	1.77675	0.112	0.11	1	HC_vs_MS.NoTrt_B
MGLL	0.76952	0.38841	0.319	0.36	1	HC_vs_MS.NoTrt_B
IMMP1L	0.7696	0.44107	0.559	0.58	1	HC_vs_MS.NoTrt_B
TBC1D31	0.76977	0.45834	0.597	0.65	1	HC_vs_MS.NoTrt_B
TJP2	0.76988	0.50051	0.339	0.37	1	HC_vs_MS.NoTrt_B
MAN2A2	0.77171	0.59289	0.252	0.25	1	HC_vs_MS.NoTrt_B
CTF1	0.77203	-0.3236	0.248	0.24	1	HC_vs_MS.NoTrt_B
MTERF3	0.77222	-0.678	0.18	0.18	1	HC_vs_MS.NoTrt_B
SMARCAD1	0.77303	0.8914	0.123	0.12	1	HC_vs_MS.NoTrt_B

RUNX3	0.77353	0.3711	0.136	0.13	1	HC_vs_MS.NoTrt_B
EXOG	0.77377	0.45634	0.475	0.5	1	HC_vs_MS.NoTrt_B
PTPN4	0.77427	0.25013	0.588	0.58	1	HC_vs_MS.NoTrt_B
BAG2	0.7743	0.76572	0.23	0.25	1	HC_vs_MS.NoTrt_B
TLE3	0.77473	0.66891	0.193	0.19	1	HC_vs_MS.NoTrt_B
SYNGAP1	0.77478	1.03308	0.136	0.15	1	HC_vs_MS.NoTrt_B
DDX11	0.77491	-0.2761	0.414	0.38	1	HC_vs_MS.NoTrt_B
POLR1A	0.77622	-0.4391	0.672	0.69	1	HC_vs_MS.NoTrt_B
ZMAT1	0.77652	0.93182	0.341	0.34	1	HC_vs_MS.NoTrt_B
TMEM259	0.77671	1.21702	0.113	0.11	1	HC_vs_MS.NoTrt_B
MAP3K3	0.7772	0.68065	0.142	0.14	1	HC_vs_MS.NoTrt_B
ADCY9	0.77761	0.37111	0.261	0.28	1	HC_vs_MS.NoTrt_B
CREB3L4	0.77821	1.282	0.399	0.4	1	HC_vs_MS.NoTrt_B
EXT2	0.77859	-0.4842	0.146	0.14	1	HC_vs_MS.NoTrt_B
CEACAM4	0.77924	-0.2674	0.097	0.1	1	HC_vs_MS.NoTrt_B
TCEB3	0.77966	0.55162	0.094	0.1	1	HC_vs_MS.NoTrt_B
NAA16	0.77975	0.26098	0.406	0.43	1	HC_vs_MS.NoTrt_B
TNS2	0.77995	0.52858	0.291	0.31	1	HC_vs_MS.NoTrt_B
ZNF625	0.78006	-0.4276	0.243	0.25	1	HC_vs_MS.NoTrt_B
TMEM119	0.78052	-0.3904	0.555	0.57	1	HC_vs_MS.NoTrt_B
APEX2	0.78109	0.53592	0.307	0.32	1	HC_vs_MS.NoTrt_B
TNKS	0.78154	0.26188	0.797	0.82	1	HC_vs_MS.NoTrt_B
CENPH	0.78231	-0.2659	0.249	0.25	1	HC_vs_MS.NoTrt_B
SLC22A5	0.78272	0.85893	0.375	0.41	1	HC_vs_MS.NoTrt_B
HIGD1A	0.78273	0.31138	0.148	0.16	1	HC_vs_MS.NoTrt_B
MYO1B	0.78273	0.25416	0.393	0.41	1	HC_vs_MS.NoTrt_B
POGK	0.78437	0.60192	0.265	0.26	1	HC_vs_MS.NoTrt_B
CDK2AP2	0.78441	0.35369	0.199	0.22	1	HC_vs_MS.NoTrt_B
DDX52	0.78516	-0.4938	0.871	0.87	1	HC_vs_MS.NoTrt_B
HJURP	0.78614	-0.5954	0.37	0.39	1	HC_vs_MS.NoTrt_B
RNASEL	0.78654	0.74181	0.338	0.37	1	HC_vs_MS.NoTrt_B
NEK7	0.78726	0.59013	0.12	0.11	1	HC_vs_MS.NoTrt_B
KANSL1	0.78776	0.43002	0.707	0.73	1	HC_vs_MS.NoTrt_B
ZNF107	0.78851	0.89062	0.41	0.42	1	HC_vs_MS.NoTrt_B
LYL1	0.78917	0.31277	0.397	0.43	1	HC_vs_MS.NoTrt_B
ZMYM6	0.79008	0.34348	0.814	0.89	1	HC_vs_MS.NoTrt_B
FOXRED1	0.79018	0.29566	0.507	0.51	1	HC_vs_MS.NoTrt_B
CAMKK2	0.79068	0.94105	0.465	0.51	1	HC_vs_MS.NoTrt_B
PHYKPL	0.79141	0.32476	0.425	0.44	1	HC_vs_MS.NoTrt_B
SIKE1	0.79204	0.44473	0.394	0.39	1	HC_vs_MS.NoTrt_B

COX10	0.79235	0.49328	0.11	0.12	1	HC_vs_MS.NoTrt_B
SYVN1	0.79424	0.31534	0.229	0.23	1	HC_vs_MS.NoTrt_B
PTRH2	0.79452	0.98649	0.132	0.12	1	HC_vs_MS.NoTrt_B
GBAS	0.79545	0.45788	0.691	0.71	1	HC_vs_MS.NoTrt_B
DIMT1	0.79566	0.38666	0.174	0.17	1	HC_vs_MS.NoTrt_B
PEX1	0.79623	0.32533	0.67	0.71	1	HC_vs_MS.NoTrt_B
MPP6	0.79637	0.52007	0.278	0.3	1	HC_vs_MS.NoTrt_B
HLX	0.79661	0.2946	0.193	0.21	1	HC_vs_MS.NoTrt_B
CPD	0.79762	0.60545	0.693	0.74	1	HC_vs_MS.NoTrt_B
EXD1	0.79791	0.3615	0.472	0.51	1	HC_vs_MS.NoTrt_B
TNFAIP8L1	0.79821	-0.4159	0.797	0.8	1	HC_vs_MS.NoTrt_B
NARFL	0.79848	0.40092	0.762	0.78	1	HC_vs_MS.NoTrt_B
MIGA1	0.79863	0.42686	0.413	0.45	1	HC_vs_MS.NoTrt_B
TTC33	0.79926	0.29729	0.228	0.22	1	HC_vs_MS.NoTrt_B
PITPNC1	0.79972	0.47554	0.212	0.2	1	HC_vs_MS.NoTrt_B
TG	0.80006	0.42237	0.093	0.1	1	HC_vs_MS.NoTrt_B
NOP2	0.8001	0.62898	0.381	0.38	1	HC_vs_MS.NoTrt_B
SPG11	0.80033	0.36587	0.807	0.84	1	HC_vs_MS.NoTrt_B
UHRF2	0.80039	0.77254	0.251	0.25	1	HC_vs_MS.NoTrt_B
UBA6	0.80045	0.44035	0.491	0.49	1	HC_vs_MS.NoTrt_B
PIK3CG	0.80068	1.12233	0.238	0.23	1	HC_vs_MS.NoTrt_B
PRIM1	0.80092	0.2931	0.143	0.15	1	HC_vs_MS.NoTrt_B
CD69	0.80107	0.37391	0.174	0.18	1	HC_vs_MS.NoTrt_B
ARHGEF38	0.80115	0.414	0.361	0.39	1	HC_vs_MS.NoTrt_B
SEPN1	0.80116	0.42952	0.351	0.36	1	HC_vs_MS.NoTrt_B
TPRA1	0.80143	0.50936	0.152	0.16	1	HC_vs_MS.NoTrt_B
CA14	0.80184	0.27619	0.572	0.59	1	HC_vs_MS.NoTrt_B
TPRG1	0.80199	-0.2895	0.18	0.19	1	HC_vs_MS.NoTrt_B
GMPPB	0.80203	0.26332	0.41	0.41	1	HC_vs_MS.NoTrt_B
HNRNPM	0.80204	0.42423	0.274	0.3	1	HC_vs_MS.NoTrt_B
ADAM28	0.80209	0.25961	0.135	0.13	1	HC_vs_MS.NoTrt_B
MCOLN3	0.80211	0.36533	0.467	0.5	1	HC_vs_MS.NoTrt_B
COG3	0.80287	0.61002	0.168	0.18	1	HC_vs_MS.NoTrt_B
THAP5	0.80303	0.34583	0.87	0.89	1	HC_vs_MS.NoTrt_B
IL5RA	0.80346	1.29479	0.252	0.27	1	HC_vs_MS.NoTrt_B
ECHDC3	0.80403	0.72035	0.109	0.1	1	HC_vs_MS.NoTrt_B
IMPAD1	0.80438	0.47894	0.472	0.49	1	HC_vs_MS.NoTrt_B
FBXW4	0.80482	0.44094	0.493	0.55	1	HC_vs_MS.NoTrt_B
TBCEL	0.8055	0.68415	0.116	0.11	1	HC_vs_MS.NoTrt_B
CR1	0.80663	0.45159	0.51	0.55	1	HC_vs_MS.NoTrt_B

HEBP1	0.80665	0.40994	0.262	0.27	1	HC_vs_MS.NoTrt_B
SH2D6	0.80674	0.33371	0.417	0.43	1	HC_vs_MS.NoTrt_B
ANKRD20A3	0.80727	0.36184	0.112	0.12	1	HC_vs_MS.NoTrt_B
WSB2	0.80757	0.56597	0.767	0.81	1	HC_vs_MS.NoTrt_B
IFI27L2	0.8077	0.35466	0.142	0.15	1	HC_vs_MS.NoTrt_B
IL23R	0.80781	0.66969	0.343	0.36	1	HC_vs_MS.NoTrt_B
ZBTB16	0.80801	0.46895	0.372	0.4	1	HC_vs_MS.NoTrt_B
MRPL27	0.80841	0.66377	0.155	0.17	1	HC_vs_MS.NoTrt_B
FAM47E	0.80852	0.31788	0.642	0.69	1	HC_vs_MS.NoTrt_B
ENTPD1	0.8088	-0.3258	0.961	0.97	1	HC_vs_MS.NoTrt_B
GTF2F2	0.80901	0.51726	0.204	0.2	1	HC_vs_MS.NoTrt_B
GALNT2	0.80946	0.3956	0.187	0.18	1	HC_vs_MS.NoTrt_B
PRODH	0.80954	0.85993	0.386	0.42	1	HC_vs_MS.NoTrt_B
GSPT1	0.81035	0.28471	0.522	0.56	1	HC_vs_MS.NoTrt_B
VPS50	0.81079	0.3859	0.526	0.54	1	HC_vs_MS.NoTrt_B
LRBA	0.811	0.34379	0.477	0.49	1	HC_vs_MS.NoTrt_B
TIAM1	0.81154	0.26069	0.539	0.56	1	HC_vs_MS.NoTrt_B
THBS1	0.81168	0.54743	0.209	0.22	1	HC_vs_MS.NoTrt_B
NDUFA8	0.81169	0.50434	0.1	0.11	1	HC_vs_MS.NoTrt_B
NPL	0.81186	0.64273	0.223	0.24	1	HC_vs_MS.NoTrt_B
C1orf123	0.8126	0.37646	0.119	0.11	1	HC_vs_MS.NoTrt_B
MOB1B	0.81264	0.3143	0.61	0.62	1	HC_vs_MS.NoTrt_B
SETD6	0.81329	-0.3024	0.436	0.45	1	HC_vs_MS.NoTrt_B
COA5	0.81344	0.49195	0.465	0.49	1	HC_vs_MS.NoTrt_B
RABL6	0.81441	0.71043	0.509	0.52	1	HC_vs_MS.NoTrt_B
CYHR1	0.81477	0.36886	0.268	0.27	1	HC_vs_MS.NoTrt_B
TNFSF10	0.81549	0.41875	0.401	0.41	1	HC_vs_MS.NoTrt_B
SLC25A44	0.81614	0.30995	0.674	0.7	1	HC_vs_MS.NoTrt_B
DOCK11	0.81623	0.41615	0.514	0.57	1	HC_vs_MS.NoTrt_B
BIN3	0.8166	0.50102	0.364	0.37	1	HC_vs_MS.NoTrt_B
TLCD1	0.81662	0.30343	0.203	0.2	1	HC_vs_MS.NoTrt_B
GANAB	0.81689	0.35703	0.43	0.44	1	HC_vs_MS.NoTrt_B
TET2	0.81712	0.82699	0.454	0.51	1	HC_vs_MS.NoTrt_B
LEPR	0.81769	0.76228	0.283	0.3	1	HC_vs_MS.NoTrt_B
PRKCA	0.81812	-0.4714	0.739	0.78	1	HC_vs_MS.NoTrt_B
BTG1	0.81842	0.33796	0.599	0.63	1	HC_vs_MS.NoTrt_B
THG1L	0.81891	-0.4798	0.551	0.57	1	HC_vs_MS.NoTrt_B
MRPL35	0.81916	0.68518	0.106	0.1	1	HC_vs_MS.NoTrt_B
DDX3X	0.81932	0.25004	0.329	0.32	1	HC_vs_MS.NoTrt_B
PTPN12	0.81948	0.43175	0.717	0.82	1	HC_vs_MS.NoTrt_B

MECR	0.8204	-1.2073	0.306	0.3	1	HC_vs_MS.NoTrt_B
INPP5F	0.82047	1.13999	0.307	0.32	1	HC_vs_MS.NoTrt_B
HEXDC	0.82068	-0.2609	0.338	0.34	1	HC_vs_MS.NoTrt_B
NME4	0.821	0.60871	0.116	0.12	1	HC_vs_MS.NoTrt_B
LPGAT1	0.82113	-0.5016	0.446	0.47	1	HC_vs_MS.NoTrt_B
STK24	0.8212	0.38775	0.254	0.27	1	HC_vs_MS.NoTrt_B
MKNK2	0.82121	0.28878	0.199	0.21	1	HC_vs_MS.NoTrt_B
DDX49	0.82208	-0.5636	0.135	0.14	1	HC_vs_MS.NoTrt_B
KLF8	0.82216	-0.5017	0.726	0.72	1	HC_vs_MS.NoTrt_B
NUP133	0.82241	0.54557	0.499	0.54	1	HC_vs_MS.NoTrt_B
ARFGEF2	0.82265	0.78181	0.458	0.48	1	HC_vs_MS.NoTrt_B
NCOA6	0.82275	0.59392	0.671	0.69	1	HC_vs_MS.NoTrt_B
NHLRC1	0.82275	-0.6518	0.233	0.23	1	HC_vs_MS.NoTrt_B
RNF215	0.82278	0.36121	0.432	0.44	1	HC_vs_MS.NoTrt_B
FDX1	0.82328	0.57806	0.287	0.29	1	HC_vs_MS.NoTrt_B
SYNJ2BP	0.82388	0.27178	0.823	0.82	1	HC_vs_MS.NoTrt_B
KRBOX4	0.82431	0.38511	0.525	0.55	1	HC_vs_MS.NoTrt_B
PEX7	0.82462	-0.3257	0.141	0.15	1	HC_vs_MS.NoTrt_B
PRR14L	0.82481	0.43763	0.401	0.42	1	HC_vs_MS.NoTrt_B
FSD2	0.82548	0.40433	0.452	0.49	1	HC_vs_MS.NoTrt_B
ELK3	0.82576	0.39042	0.393	0.4	1	HC_vs_MS.NoTrt_B
ABHD18	0.82593	0.27016	0.833	0.87	1	HC_vs_MS.NoTrt_B
TTBK2	0.82604	0.27043	0.493	0.5	1	HC_vs_MS.NoTrt_B
DNPEP	0.82626	0.28441	0.448	0.47	1	HC_vs_MS.NoTrt_B
CLEC2B	0.8278	0.6257	0.209	0.22	1	HC_vs_MS.NoTrt_B
WFDC11	0.82783	0.25426	0.196	0.21	1	HC_vs_MS.NoTrt_B
PABPC1L	0.82788	0.49833	0.284	0.31	1	HC_vs_MS.NoTrt_B
AMPD3	0.82799	-0.2639	0.43	0.45	1	HC_vs_MS.NoTrt_B
ANKRD9	0.82868	0.42792	0.47	0.51	1	HC_vs_MS.NoTrt_B
ARHGAP21	0.82885	0.63835	0.296	0.3	1	HC_vs_MS.NoTrt_B
ADPRHL1	0.82935	0.27648	0.235	0.25	1	HC_vs_MS.NoTrt_B
STK38L	0.82937	-0.2631	0.684	0.7	1	HC_vs_MS.NoTrt_B
DNAH6	0.82943	0.61101	0.168	0.16	1	HC_vs_MS.NoTrt_B
FAM126A	0.83038	0.83418	0.661	0.73	1	HC_vs_MS.NoTrt_B
CEP162	0.83041	-0.84	0.138	0.13	1	HC_vs_MS.NoTrt_B
TRPT1	0.83113	0.43739	0.096	0.1	1	HC_vs_MS.NoTrt_B
SAMM50	0.83155	-0.3919	0.483	0.48	1	HC_vs_MS.NoTrt_B
RLF	0.83201	0.55028	0.168	0.16	1	HC_vs_MS.NoTrt_B
SLC25A35	0.83254	-0.3971	0.142	0.14	1	HC_vs_MS.NoTrt_B
LCAT	0.83306	-0.2561	0.187	0.2	1	HC_vs_MS.NoTrt_B

DNAJC21	0.83334	0.75382	0.381	0.4	1	HC_vs_MS.NoTrt_B
TRIM61	0.83458	-0.2564	0.214	0.21	1	HC_vs_MS.NoTrt_B
GALNT15	0.83479	0.90424	0.271	0.28	1	HC_vs_MS.NoTrt_B
ZKSCAN3	0.83479	0.39357	0.807	0.84	1	HC_vs_MS.NoTrt_B
APOBEC3D	0.83486	-0.3726	0.612	0.6	1	HC_vs_MS.NoTrt_B
KRBA2	0.83511	1.1211	0.37	0.41	1	HC_vs_MS.NoTrt_B
RASA1	0.83532	0.67511	0.209	0.22	1	HC_vs_MS.NoTrt_B
PTPRH	0.83533	-0.3533	0.125	0.12	1	HC_vs_MS.NoTrt_B
PUM2	0.83552	0.43505	0.33	0.36	1	HC_vs_MS.NoTrt_B
SDHAF2	0.8365	0.30642	0.223	0.24	1	HC_vs_MS.NoTrt_B
ZNHIT6	0.8367	0.37655	0.393	0.38	1	HC_vs_MS.NoTrt_B
DNAJC4	0.83675	0.57893	0.117	0.11	1	HC_vs_MS.NoTrt_B
GLS	0.83694	0.64292	0.628	0.64	1	HC_vs_MS.NoTrt_B
EFR3A	0.83764	0.38895	0.135	0.13	1	HC_vs_MS.NoTrt_B
GRK3	0.83816	-0.2609	0.333	0.34	1	HC_vs_MS.NoTrt_B
RBM43	0.83839	0.28355	0.59	0.68	1	HC_vs_MS.NoTrt_B
STMN1	0.8388	-0.3528	0.691	0.7	1	HC_vs_MS.NoTrt_B
LPP	0.83887	0.29221	0.971	0.95	1	HC_vs_MS.NoTrt_B
PPAN	0.83902	1.03863	0.368	0.39	1	HC_vs_MS.NoTrt_B
SAP130	0.83918	0.64915	0.158	0.16	1	HC_vs_MS.NoTrt_B
TTC34	0.83946	0.97058	0.193	0.21	1	HC_vs_MS.NoTrt_B
ETNK1	0.83989	0.45688	0.494	0.57	1	HC_vs_MS.NoTrt_B
UHMK1	0.84036	0.48559	0.238	0.25	1	HC_vs_MS.NoTrt_B
RAD51B	0.84098	0.93871	0.287	0.29	1	HC_vs_MS.NoTrt_B
TSC22D2	0.84099	0.82023	0.372	0.38	1	HC_vs_MS.NoTrt_B
TMEM53	0.84134	1.02397	0.314	0.34	1	HC_vs_MS.NoTrt_B
APBB3	0.84136	0.26079	0.123	0.13	1	HC_vs_MS.NoTrt_B
LRRC8A	0.84165	-0.3027	0.104	0.1	1	HC_vs_MS.NoTrt_B
KATNAL1	0.84189	-0.8776	0.523	0.5	1	HC_vs_MS.NoTrt_B
PRPSAP1	0.84228	-0.4713	0.714	0.71	1	HC_vs_MS.NoTrt_B
CEP97	0.8423	0.72644	0.628	0.65	1	HC_vs_MS.NoTrt_B
SLC35E2	0.84236	0.28035	0.464	0.45	1	HC_vs_MS.NoTrt_B
CXADR	0.84306	0.33175	0.281	0.27	1	HC_vs_MS.NoTrt_B
RAB5B	0.84369	0.33293	0.864	0.92	1	HC_vs_MS.NoTrt_B
MAN1A2	0.84404	0.47228	0.248	0.24	1	HC_vs_MS.NoTrt_B
PRSS53	0.84423	0.26058	0.162	0.17	1	HC_vs_MS.NoTrt_B
PNPO	0.84446	-0.4321	0.584	0.61	1	HC_vs_MS.NoTrt_B
KAT6B	0.84465	0.5096	0.106	0.11	1	HC_vs_MS.NoTrt_B
MBD3	0.84476	0.55197	0.733	0.8	1	HC_vs_MS.NoTrt_B
SPEN	0.84526	0.3853	0.283	0.28	1	HC_vs_MS.NoTrt_B

RRP1B	0.84556	0.39471	0.199	0.2	1	HC_vs_MS.NoTrt_B
OAS2	0.8456	0.3475	0.213	0.22	1	HC_vs_MS.NoTrt_B
PPIL4	0.84561	0.55927	0.223	0.22	1	HC_vs_MS.NoTrt_B
KEAP1	0.84576	-0.4156	0.448	0.43	1	HC_vs_MS.NoTrt_B
IRF7	0.8458	0.44462	0.112	0.12	1	HC_vs_MS.NoTrt_B
SH2D3C	0.84601	0.42882	0.2	0.21	1	HC_vs_MS.NoTrt_B
CREBBP	0.84601	0.31253	0.564	0.61	1	HC_vs_MS.NoTrt_B
ZNF213	0.84603	0.59952	0.455	0.48	1	HC_vs_MS.NoTrt_B
PPP1R12B	0.84703	0.47192	0.696	0.68	1	HC_vs_MS.NoTrt_B
CAPN7	0.84727	0.26897	0.552	0.58	1	HC_vs_MS.NoTrt_B
NPIPA5	0.84742	0.37793	0.101	0.1	1	HC_vs_MS.NoTrt_B
C9orf131	0.84749	0.79798	0.148	0.15	1	HC_vs_MS.NoTrt_B
RPP30	0.84813	0.42456	0.604	0.65	1	HC_vs_MS.NoTrt_B
SLC35G1	0.84891	0.25824	0.146	0.15	1	HC_vs_MS.NoTrt_B
AGO1	0.84893	0.27313	0.439	0.43	1	HC_vs_MS.NoTrt_B
QKI	0.84914	-0.3711	0.386	0.39	1	HC_vs_MS.NoTrt_B
ARAP2	0.84932	0.28222	0.265	0.27	1	HC_vs_MS.NoTrt_B
KLHDC4	0.84988	0.44657	0.706	0.7	1	HC_vs_MS.NoTrt_B
ANKFY1	0.85042	0.69001	0.617	0.71	1	HC_vs_MS.NoTrt_B
UGCG	0.85064	0.55419	0.178	0.17	1	HC_vs_MS.NoTrt_B
DLG5	0.85075	0.35254	0.429	0.45	1	HC_vs_MS.NoTrt_B
ALMS1	0.85139	0.43765	0.461	0.46	1	HC_vs_MS.NoTrt_B
CCDC138	0.8524	0.34811	0.157	0.15	1	HC_vs_MS.NoTrt_B
TMEM260	0.85244	0.44757	0.4	0.43	1	HC_vs_MS.NoTrt_B
ALG13	0.85253	0.68042	0.284	0.3	1	HC_vs_MS.NoTrt_B
WDR48	0.85271	0.48887	0.129	0.14	1	HC_vs_MS.NoTrt_B
CA13	0.85302	0.34262	0.513	0.54	1	HC_vs_MS.NoTrt_B
CHST14	0.85306	0.5255	0.225	0.23	1	HC_vs_MS.NoTrt_B
CLPX	0.85319	0.50179	0.683	0.73	1	HC_vs_MS.NoTrt_B
PLEKHM1	0.85323	0.54786	0.816	0.87	1	HC_vs_MS.NoTrt_B
HPCAL1	0.85324	0.27551	0.357	0.36	1	HC_vs_MS.NoTrt_B
PLD6	0.85325	0.6304	0.435	0.46	1	HC_vs_MS.NoTrt_B
NKIRAS1	0.85333	0.3986	0.239	0.25	1	HC_vs_MS.NoTrt_B
TRIM58	0.85383	0.52125	0.564	0.58	1	HC_vs_MS.NoTrt_B
OLA1	0.85481	0.26025	0.455	0.44	1	HC_vs_MS.NoTrt_B
RAD50	0.85591	0.40121	0.184	0.19	1	HC_vs_MS.NoTrt_B
MLH1	0.85603	0.48145	0.364	0.38	1	HC_vs_MS.NoTrt_B
RABIF	0.85605	0.5981	0.364	0.37	1	HC_vs_MS.NoTrt_B
C11orf63	0.85611	0.34	0.42	0.47	1	HC_vs_MS.NoTrt_B
TBCCD1	0.85749	0.48686	0.275	0.28	1	HC_vs_MS.NoTrt_B

THNSL1	0.85756	0.6479	0.096	0.1	1	HC_vs_MS.NoTrt_B
ZBTB4	0.85758	0.78209	0.126	0.12	1	HC_vs_MS.NoTrt_B
DDX56	0.8578	0.46652	0.217	0.23	1	HC_vs_MS.NoTrt_B
FAM91A1	0.85809	0.49832	0.299	0.32	1	HC_vs_MS.NoTrt_B
PPP3R1	0.85839	1.09571	0.158	0.16	1	HC_vs_MS.NoTrt_B
CEP55	0.85856	-0.702	0.126	0.13	1	HC_vs_MS.NoTrt_B
FAM65C	0.85895	0.37381	0.326	0.34	1	HC_vs_MS.NoTrt_B
MAP2K5	0.85914	0.41346	0.103	0.11	1	HC_vs_MS.NoTrt_B
METTL21B	0.85917	0.73303	0.448	0.47	1	HC_vs_MS.NoTrt_B
AL589743.1	0.85981	-0.2959	0.519	0.55	1	HC_vs_MS.NoTrt_B
SNRNP48	0.86	0.43034	0.207	0.21	1	HC_vs_MS.NoTrt_B
SHPK	0.86049	-0.916	0.401	0.42	1	HC_vs_MS.NoTrt_B
ZNF142	0.86065	0.26476	0.101	0.11	1	HC_vs_MS.NoTrt_B
FBLN5	0.86068	0.45844	0.148	0.16	1	HC_vs_MS.NoTrt_B
RAB2A	0.86083	0.40829	0.214	0.23	1	HC_vs_MS.NoTrt_B
ZNF749	0.86126	1.02026	0.38	0.41	1	HC_vs_MS.NoTrt_B
STARD4	0.86154	0.29685	0.143	0.15	1	HC_vs_MS.NoTrt_B
LIN54	0.8616	1.31616	0.548	0.63	1	HC_vs_MS.NoTrt_B
CDC42EP3	0.86178	0.45722	0.461	0.49	1	HC_vs_MS.NoTrt_B
GRM4	0.86244	0.27876	0.22	0.22	1	HC_vs_MS.NoTrt_B
ARL1	0.86267	0.46703	0.346	0.35	1	HC_vs_MS.NoTrt_B
ATXN7L3B	0.86285	0.77787	0.162	0.17	1	HC_vs_MS.NoTrt_B
GINS2	0.86286	0.86052	0.3	0.31	1	HC_vs_MS.NoTrt_B
PGA3	0.86312	0.42397	0.291	0.3	1	HC_vs_MS.NoTrt_B
AC013264.1	0.86342	0.7503	0.336	0.35	1	HC_vs_MS.NoTrt_B
MNT	0.86388	0.55077	0.623	0.7	1	HC_vs_MS.NoTrt_B
LZIC	0.86419	0.30152	0.788	0.85	1	HC_vs_MS.NoTrt_B
INHBE	0.86484	0.27088	0.364	0.39	1	HC_vs_MS.NoTrt_B
BRCA2	0.86513	0.4995	0.358	0.38	1	HC_vs_MS.NoTrt_B
TRIM68	0.86517	-0.8748	0.509	0.54	1	HC_vs_MS.NoTrt_B
GCKR	0.86527	0.45401	0.139	0.15	1	HC_vs_MS.NoTrt_B
AP4M1	0.86569	-0.4988	0.538	0.61	1	HC_vs_MS.NoTrt_B
SDCBP	0.86598	0.43327	0.203	0.2	1	HC_vs_MS.NoTrt_B
DLK2	0.86634	0.27711	0.312	0.32	1	HC_vs_MS.NoTrt_B
MYCBP2	0.86666	0.69105	0.413	0.43	1	HC_vs_MS.NoTrt_B
PAPOLG	0.86677	0.35842	0.733	0.78	1	HC_vs_MS.NoTrt_B
FAM149A	0.86794	-0.2562	0.306	0.3	1	HC_vs_MS.NoTrt_B
MRPL10	0.86795	-0.7189	0.4	0.39	1	HC_vs_MS.NoTrt_B
GCNT1	0.86866	1.41795	0.249	0.27	1	HC_vs_MS.NoTrt_B
CTSA	0.86905	-0.3317	0.659	0.65	1	HC_vs_MS.NoTrt_B



SPECC1L-AD	0.86912	0.39749	0.187	0.18	1	HC_vs_MS.NoTrt_B
KRT15	0.86919	0.29971	0.417	0.43	1	HC_vs_MS.NoTrt_B
SGF29	0.86922	-0.3481	0.271	0.26	1	HC_vs_MS.NoTrt_B
RNF145	0.86937	0.70622	0.157	0.16	1	HC_vs_MS.NoTrt_B
FAM168B	0.86998	0.63277	0.106	0.1	1	HC_vs_MS.NoTrt_B
AVL9	0.87007	0.38251	0.894	0.92	1	HC_vs_MS.NoTrt_B
EFCAB3	0.87026	0.38765	0.522	0.61	1	HC_vs_MS.NoTrt_B
DCTN6	0.8707	-0.3365	0.519	0.55	1	HC_vs_MS.NoTrt_B
SULF2	0.87087	0.31527	0.149	0.15	1	HC_vs_MS.NoTrt_B
SLC23A3	0.8714	-0.2526	0.41	0.42	1	HC_vs_MS.NoTrt_B
NBPF1	0.87145	1.10302	0.229	0.25	1	HC_vs_MS.NoTrt_B
KLHL2	0.87161	0.63796	0.323	0.34	1	HC_vs_MS.NoTrt_B
RNF24	0.87165	-0.281	0.545	0.56	1	HC_vs_MS.NoTrt_B
VNN2	0.87179	0.34852	0.158	0.15	1	HC_vs_MS.NoTrt_B
CTPS1	0.87189	-0.4762	0.609	0.62	1	HC_vs_MS.NoTrt_B
CHERP	0.87213	0.32892	0.145	0.15	1	HC_vs_MS.NoTrt_B
ESAM	0.87214	0.64592	0.109	0.11	1	HC_vs_MS.NoTrt_B
GDPD5	0.87232	0.30943	0.267	0.27	1	HC_vs_MS.NoTrt_B
BTG2	0.8725	0.25041	0.178	0.17	1	HC_vs_MS.NoTrt_B
RRP1	0.87355	-0.2658	0.638	0.7	1	HC_vs_MS.NoTrt_B
HTT	0.87357	0.65478	0.236	0.24	1	HC_vs_MS.NoTrt_B
NCAPG2	0.87377	-0.9993	0.159	0.16	1	HC_vs_MS.NoTrt_B
ENTPD6	0.87386	0.44181	0.12	0.12	1	HC_vs_MS.NoTrt_B
CCDC186	0.87448	0.32472	0.575	0.57	1	HC_vs_MS.NoTrt_B
ZNF670	0.87522	0.38167	0.161	0.17	1	HC_vs_MS.NoTrt_B
GMDS	0.87558	0.3711	0.112	0.11	1	HC_vs_MS.NoTrt_B
GRAP	0.87571	0.40583	0.204	0.21	1	HC_vs_MS.NoTrt_B
PDE7A	0.87603	0.61768	0.309	0.32	1	HC_vs_MS.NoTrt_B
AP1M1	0.8771	-0.2932	0.99	0.97	1	HC_vs_MS.NoTrt_B
SP3	0.87722	0.70292	0.559	0.58	1	HC_vs_MS.NoTrt_B
LAPTM4B	0.87741	-0.5564	0.194	0.2	1	HC_vs_MS.NoTrt_B
AGTPBP1	0.87748	0.6073	0.172	0.17	1	HC_vs_MS.NoTrt_B
GFPT1	0.87758	0.40401	0.706	0.74	1	HC_vs_MS.NoTrt_B
ZNF227	0.87763	0.56805	0.465	0.5	1	HC_vs_MS.NoTrt_B
CEP104	0.87806	0.29676	0.652	0.65	1	HC_vs_MS.NoTrt_B
DPH6	0.87811	0.5897	0.409	0.44	1	HC_vs_MS.NoTrt_B
INPP4B	0.87814	0.27342	0.504	0.5	1	HC_vs_MS.NoTrt_B
NAT10	0.87844	-0.408	0.354	0.36	1	HC_vs_MS.NoTrt_B
NTMT1	0.87855	0.6832	0.214	0.22	1	HC_vs_MS.NoTrt_B
LIG3	0.87856	0.39043	0.33	0.33	1	HC_vs_MS.NoTrt_B

FIBP	0.87876	-0.2866	0.509	0.51	1	HC_vs_MS.NoTrt_B
GLUD1	0.87888	0.39697	0.158	0.16	1	HC_vs_MS.NoTrt_B
SCAF8	0.87906	0.45486	0.239	0.25	1	HC_vs_MS.NoTrt_B
TBC1D32	0.87929	-0.3348	0.449	0.46	1	HC_vs_MS.NoTrt_B
FAM124B	0.87966	-0.3316	0.106	0.1	1	HC_vs_MS.NoTrt_B
USP38	0.8804	0.27565	0.312	0.32	1	HC_vs_MS.NoTrt_B
NOLC1	0.88081	0.61976	0.103	0.11	1	HC_vs_MS.NoTrt_B
NDRG4	0.88083	0.28477	0.13	0.14	1	HC_vs_MS.NoTrt_B
CCND3	0.88092	0.38933	0.516	0.55	1	HC_vs_MS.NoTrt_B
NFATC2IP	0.88093	-0.2712	0.657	0.7	1	HC_vs_MS.NoTrt_B
FBXO45	0.88151	0.5326	0.423	0.44	1	HC_vs_MS.NoTrt_B
LMLN	0.8819	-0.4853	0.435	0.45	1	HC_vs_MS.NoTrt_B
SLC15A4	0.88193	-0.2592	0.722	0.73	1	HC_vs_MS.NoTrt_B
DHR SX	0.8824	-0.3557	0.725	0.77	1	HC_vs_MS.NoTrt_B
TMEM241	0.88243	-0.5595	0.632	0.67	1	HC_vs_MS.NoTrt_B
SULF1	0.88263	0.25786	0.174	0.17	1	HC_vs_MS.NoTrt_B
C12orf40	0.88284	0.35908	0.288	0.3	1	HC_vs_MS.NoTrt_B
MMRN2	0.88308	-0.9349	0.152	0.15	1	HC_vs_MS.NoTrt_B
IMPA1	0.88311	0.30769	0.336	0.34	1	HC_vs_MS.NoTrt_B
CLTC	0.88361	-0.3531	0.355	0.35	1	HC_vs_MS.NoTrt_B
ATG10	0.88371	0.31408	0.936	0.94	1	HC_vs_MS.NoTrt_B
KDM4B	0.88378	0.32663	0.594	0.6	1	HC_vs_MS.NoTrt_B
PSMD9	0.8838	-0.2938	0.954	0.98	1	HC_vs_MS.NoTrt_B
CCDC117	0.88381	0.37639	0.299	0.31	1	HC_vs_MS.NoTrt_B
FILIP1	0.88404	0.28471	0.384	0.41	1	HC_vs_MS.NoTrt_B
CHI3L2	0.8842	0.4582	0.201	0.21	1	HC_vs_MS.NoTrt_B
ATXN7L1	0.88438	0.51914	0.332	0.37	1	HC_vs_MS.NoTrt_B
PLD2	0.88481	-0.5916	0.107	0.1	1	HC_vs_MS.NoTrt_B
SYPL1	0.88581	0.44136	0.383	0.39	1	HC_vs_MS.NoTrt_B
MSS51	0.88612	0.39634	0.536	0.56	1	HC_vs_MS.NoTrt_B
NPIPA1	0.88729	0.30635	0.683	0.72	1	HC_vs_MS.NoTrt_B
TSPYL1	0.88732	0.37978	0.522	0.56	1	HC_vs_MS.NoTrt_B
LST1	0.88779	-0.3505	0.245	0.23	1	HC_vs_MS.NoTrt_B
TCAF1	0.8879	-0.4282	0.336	0.34	1	HC_vs_MS.NoTrt_B
IQCB1	0.88836	0.88298	0.11	0.11	1	HC_vs_MS.NoTrt_B
UBAP1L	0.88874	1.16421	0.355	0.38	1	HC_vs_MS.NoTrt_B
G2E3	0.88882	0.42136	0.488	0.5	1	HC_vs_MS.NoTrt_B
CPSF6	0.88941	0.83321	0.409	0.42	1	HC_vs_MS.NoTrt_B
HERPUD2	0.89002	0.65679	0.481	0.49	1	HC_vs_MS.NoTrt_B
MAK	0.89005	0.26048	0.17	0.17	1	HC_vs_MS.NoTrt_B

TSPOAP1	0.89082	-0.4423	0.223	0.22	1	HC_vs_MS.NoTrt_B
ZFAND3	0.8909	0.30596	0.642	0.67	1	HC_vs_MS.NoTrt_B
PLEKHH2	0.89122	0.46338	0.619	0.68	1	HC_vs_MS.NoTrt_B
PDPK1	0.89127	0.69393	0.599	0.62	1	HC_vs_MS.NoTrt_B
DNAJB7	0.89168	0.45394	0.225	0.23	1	HC_vs_MS.NoTrt_B
JUN	0.89174	0.98309	0.119	0.12	1	HC_vs_MS.NoTrt_B
ABL2	0.89214	0.8766	0.787	0.83	1	HC_vs_MS.NoTrt_B
PDE3B	0.89264	0.27758	0.591	0.61	1	HC_vs_MS.NoTrt_B
GPR37L1	0.89305	0.64156	0.32	0.34	1	HC_vs_MS.NoTrt_B
EHMT1	0.89403	0.29523	0.941	0.96	1	HC_vs_MS.NoTrt_B
C12orf66	0.89408	-0.3842	0.33	0.32	1	HC_vs_MS.NoTrt_B
TYSND1	0.89461	-0.535	0.257	0.26	1	HC_vs_MS.NoTrt_B
FAM156A	0.89584	-0.5016	0.165	0.16	1	HC_vs_MS.NoTrt_B
AFDN	0.89595	0.3238	0.113	0.12	1	HC_vs_MS.NoTrt_B
FYN	0.89622	0.31991	0.523	0.54	1	HC_vs_MS.NoTrt_B
ZNF799	0.8966	0.35437	0.39	0.42	1	HC_vs_MS.NoTrt_B
PELP1	0.89721	0.42826	0.226	0.24	1	HC_vs_MS.NoTrt_B
CARS	0.89724	-0.4324	0.757	0.75	1	HC_vs_MS.NoTrt_B
ARPC5	0.89725	0.31192	0.901	0.94	1	HC_vs_MS.NoTrt_B
LAMTOR3	0.89733	0.93441	0.325	0.34	1	HC_vs_MS.NoTrt_B
FAM126B	0.89738	0.28647	0.87	0.92	1	HC_vs_MS.NoTrt_B
ZNF600	0.89825	0.80557	0.142	0.15	1	HC_vs_MS.NoTrt_B
NAMPT	0.89849	0.52477	0.687	0.71	1	HC_vs_MS.NoTrt_B
NOTCH1	0.89966	0.27578	0.117	0.11	1	HC_vs_MS.NoTrt_B
ANKRD13A	0.89987	0.25853	0.787	0.81	1	HC_vs_MS.NoTrt_B
TRIM4	0.89991	0.48339	0.583	0.62	1	HC_vs_MS.NoTrt_B
ASXL2	0.90015	0.44185	0.193	0.2	1	HC_vs_MS.NoTrt_B
PAXBP1	0.90032	0.59393	0.168	0.17	1	HC_vs_MS.NoTrt_B
CHRM3	0.90074	0.43817	0.191	0.2	1	HC_vs_MS.NoTrt_B
MCM3AP	0.90101	0.35256	0.529	0.54	1	HC_vs_MS.NoTrt_B
ASCC3	0.90109	0.6002	0.275	0.29	1	HC_vs_MS.NoTrt_B
ZNF135	0.90131	0.64792	0.432	0.45	1	HC_vs_MS.NoTrt_B
MREG	0.90157	0.48844	0.614	0.69	1	HC_vs_MS.NoTrt_B
USP15	0.90159	0.35693	0.822	0.87	1	HC_vs_MS.NoTrt_B
CAPN10	0.90161	0.85664	0.462	0.48	1	HC_vs_MS.NoTrt_B
CD7	0.90165	0.84553	0.242	0.25	1	HC_vs_MS.NoTrt_B
ARF3	0.90227	0.58984	0.159	0.16	1	HC_vs_MS.NoTrt_B
DTWD1	0.90258	0.28451	0.597	0.65	1	HC_vs_MS.NoTrt_B
UAP1L1	0.90313	-0.3303	0.301	0.3	1	HC_vs_MS.NoTrt_B
ZNF14	0.90333	2.37971	0.32	0.34	1	HC_vs_MS.NoTrt_B

GTPBP3	0.90369	-0.2726	0.632	0.65	1	HC_vs_MS.NoTrt_B
ANKRA2	0.90388	0.467	0.11	0.11	1	HC_vs_MS.NoTrt_B
TPP2	0.9042	0.26429	0.53	0.52	1	HC_vs_MS.NoTrt_B
CAPN8	0.90443	-0.3903	0.261	0.25	1	HC_vs_MS.NoTrt_B
SMARCA2	0.90447	0.4388	0.413	0.43	1	HC_vs_MS.NoTrt_B
RBBP6	0.90532	0.33331	0.22	0.23	1	HC_vs_MS.NoTrt_B
MIEF1	0.90552	-0.3898	0.465	0.44	1	HC_vs_MS.NoTrt_B
AIFM1	0.90603	-0.563	0.546	0.56	1	HC_vs_MS.NoTrt_B
ZNF432	0.9061	0.30233	0.552	0.6	1	HC_vs_MS.NoTrt_B
IRF5	0.90648	0.41789	0.377	0.38	1	HC_vs_MS.NoTrt_B
ZC3HAV1L	0.90671	0.27576	0.433	0.47	1	HC_vs_MS.NoTrt_B
L3HYPDH	0.90691	0.83152	0.194	0.2	1	HC_vs_MS.NoTrt_B
WWOX	0.90703	0.78087	0.236	0.25	1	HC_vs_MS.NoTrt_B
SLAMF7	0.90719	0.51956	0.407	0.44	1	HC_vs_MS.NoTrt_B
DCUN1D5	0.90722	0.36704	0.425	0.43	1	HC_vs_MS.NoTrt_B
ENPP3	0.90746	0.82017	0.13	0.13	1	HC_vs_MS.NoTrt_B
HIPK3	0.90834	0.29618	0.122	0.12	1	HC_vs_MS.NoTrt_B
NR4A1	0.90853	0.26132	0.435	0.45	1	HC_vs_MS.NoTrt_B
HIVEP2	0.90912	0.51805	0.396	0.43	1	HC_vs_MS.NoTrt_B
IRAK2	0.90913	0.71498	0.288	0.3	1	HC_vs_MS.NoTrt_B
GPR35	0.90917	0.6236	0.28	0.29	1	HC_vs_MS.NoTrt_B
OTUD4	0.90931	0.48483	0.597	0.63	1	HC_vs_MS.NoTrt_B
FARP2	0.90961	-0.8412	0.381	0.39	1	HC_vs_MS.NoTrt_B
KLHL23	0.90985	0.31463	0.157	0.16	1	HC_vs_MS.NoTrt_B
UPB1	0.91017	0.2691	0.552	0.58	1	HC_vs_MS.NoTrt_B
CD40	0.91026	-0.2931	0.143	0.15	1	HC_vs_MS.NoTrt_B
TTC39A	0.91103	0.37221	0.333	0.36	1	HC_vs_MS.NoTrt_B
TCOF1	0.91144	-0.3496	0.79	0.79	1	HC_vs_MS.NoTrt_B
RAB26	0.9118	-0.3272	0.132	0.13	1	HC_vs_MS.NoTrt_B
ZMAT3	0.91182	0.7215	0.564	0.6	1	HC_vs_MS.NoTrt_B
FAM110A	0.91243	0.38789	0.165	0.17	1	HC_vs_MS.NoTrt_B
SLC6A16	0.91251	0.68249	0.243	0.24	1	HC_vs_MS.NoTrt_B
MDN1	0.91274	0.59191	0.241	0.24	1	HC_vs_MS.NoTrt_B
SLC43A3	0.91323	-0.2606	0.423	0.4	1	HC_vs_MS.NoTrt_B
PHACTR1	0.91329	0.62378	0.393	0.41	1	HC_vs_MS.NoTrt_B
CKS1B	0.91335	0.25647	0.186	0.19	1	HC_vs_MS.NoTrt_B
ZNF175	0.91342	-1.3163	0.167	0.17	1	HC_vs_MS.NoTrt_B
ADH4	0.9139	0.28521	0.328	0.35	1	HC_vs_MS.NoTrt_B
WDR3	0.9141	0.39921	0.712	0.73	1	HC_vs_MS.NoTrt_B
GULP1	0.91444	0.49306	0.42	0.47	1	HC_vs_MS.NoTrt_B

APOL4	0.91535	0.31776	0.43	0.46	1	HC_vs_MS.NoTrt_B
SEMA4D	0.91553	0.3852	0.512	0.52	1	HC_vs_MS.NoTrt_B
C21orf59	0.91617	-0.3264	0.446	0.42	1	HC_vs_MS.NoTrt_B
SCAMP1	0.9164	0.40741	0.442	0.44	1	HC_vs_MS.NoTrt_B
FAM102B	0.9171	0.72145	0.171	0.17	1	HC_vs_MS.NoTrt_B
CAAP1	0.91738	0.79263	0.109	0.11	1	HC_vs_MS.NoTrt_B
SRL	0.91751	0.25601	0.346	0.37	1	HC_vs_MS.NoTrt_B
KLRG1	0.91777	0.587	0.374	0.42	1	HC_vs_MS.NoTrt_B
CLIP4	0.918	0.64603	0.125	0.13	1	HC_vs_MS.NoTrt_B
C2orf42	0.91801	0.50374	0.1	0.1	1	HC_vs_MS.NoTrt_B
FAM210B	0.91821	0.38728	0.31	0.31	1	HC_vs_MS.NoTrt_B
GID4	0.91834	0.65834	0.675	0.71	1	HC_vs_MS.NoTrt_B
SORL1	0.91888	0.31829	0.799	0.78	1	HC_vs_MS.NoTrt_B
RABEPK	0.91952	-0.3649	0.749	0.75	1	HC_vs_MS.NoTrt_B
SLC1A2	0.91962	0.54492	0.329	0.36	1	HC_vs_MS.NoTrt_B
LXN	0.91986	0.32634	0.168	0.17	1	HC_vs_MS.NoTrt_B
C1orf52	0.92065	0.35622	0.283	0.29	1	HC_vs_MS.NoTrt_B
PPP2CB	0.9208	0.52233	0.57	0.6	1	HC_vs_MS.NoTrt_B
ZKSCAN8	0.92171	1.77357	0.281	0.29	1	HC_vs_MS.NoTrt_B
FKBP11	0.92187	-0.3053	0.684	0.7	1	HC_vs_MS.NoTrt_B
FKTN	0.92191	1.04143	0.143	0.14	1	HC_vs_MS.NoTrt_B
AKT1	0.92227	-0.3267	0.203	0.2	1	HC_vs_MS.NoTrt_B
CREBRF	0.92299	0.30579	0.768	0.81	1	HC_vs_MS.NoTrt_B
RGS13	0.92305	0.367	0.338	0.37	1	HC_vs_MS.NoTrt_B
IKZF2	0.92335	0.52845	0.357	0.39	1	HC_vs_MS.NoTrt_B
RBL1	0.92428	0.62393	0.561	0.57	1	HC_vs_MS.NoTrt_B
PIM1	0.92467	0.2863	0.384	0.41	1	HC_vs_MS.NoTrt_B
PAK2	0.92483	0.31487	0.745	0.78	1	HC_vs_MS.NoTrt_B
CARM1	0.92492	-0.2541	0.132	0.14	1	HC_vs_MS.NoTrt_B
METTL15	0.92531	0.63833	0.377	0.39	1	HC_vs_MS.NoTrt_B
PPP1R15B	0.92545	-0.4205	0.281	0.28	1	HC_vs_MS.NoTrt_B
C19orf54	0.92562	0.4258	0.43	0.46	1	HC_vs_MS.NoTrt_B
KIAA1324	0.9261	-0.3468	0.719	0.78	1	HC_vs_MS.NoTrt_B
2-Mar	0.92634	-0.6628	0.516	0.54	1	HC_vs_MS.NoTrt_B
DOPEY1	0.92682	1.60979	0.288	0.31	1	HC_vs_MS.NoTrt_B
RNF138	0.92693	0.54843	0.145	0.15	1	HC_vs_MS.NoTrt_B
CNIH4	0.92699	0.9373	0.559	0.62	1	HC_vs_MS.NoTrt_B
SYT15	0.92701	0.26229	0.5	0.54	1	HC_vs_MS.NoTrt_B
CDT1	0.92746	0.43802	0.416	0.42	1	HC_vs_MS.NoTrt_B
ITM2A	0.92755	0.25331	0.219	0.22	1	HC_vs_MS.NoTrt_B

SLC4A5	0.9277	0.28437	0.7	0.77	1	HC_vs_MS.NoTrt_B
CELF5	0.92777	-0.3105	0.264	0.28	1	HC_vs_MS.NoTrt_B
CARD6	0.92876	-0.7033	0.503	0.55	1	HC_vs_MS.NoTrt_B
AKAP8	0.92959	-0.3306	0.37	0.37	1	HC_vs_MS.NoTrt_B
PACS1	0.9298	0.29595	0.817	0.83	1	HC_vs_MS.NoTrt_B
CNN3	0.93063	1.21231	0.165	0.17	1	HC_vs_MS.NoTrt_B
MAF	0.93148	0.89823	0.27	0.29	1	HC_vs_MS.NoTrt_B
PRKAR1A	0.93164	0.36056	0.254	0.26	1	HC_vs_MS.NoTrt_B
NNT	0.93185	-0.3054	0.638	0.63	1	HC_vs_MS.NoTrt_B
MAD2L1BP	0.93207	-0.5966	0.164	0.16	1	HC_vs_MS.NoTrt_B
SMAD5	0.93286	0.81079	0.441	0.47	1	HC_vs_MS.NoTrt_B
LRRC37A3	0.93306	0.52126	0.528	0.56	1	HC_vs_MS.NoTrt_B
FAM19A2	0.93352	0.91051	0.217	0.22	1	HC_vs_MS.NoTrt_B
TPRG1L	0.93419	0.9177	0.242	0.24	1	HC_vs_MS.NoTrt_B
UBAP1	0.93439	0.27079	0.122	0.12	1	HC_vs_MS.NoTrt_B
ELMSAN1	0.93499	0.31564	0.674	0.68	1	HC_vs_MS.NoTrt_B
RBPMS	0.93546	0.27602	0.1	0.1	1	HC_vs_MS.NoTrt_B
TAF11	0.93655	0.29571	0.483	0.51	1	HC_vs_MS.NoTrt_B
FGD5	0.93685	0.51176	0.525	0.57	1	HC_vs_MS.NoTrt_B
UBXN2B	0.93712	0.59894	0.343	0.36	1	HC_vs_MS.NoTrt_B
AC016577.1	0.93713	0.27265	0.391	0.42	1	HC_vs_MS.NoTrt_B
CXXC5	0.93744	0.86587	0.504	0.55	1	HC_vs_MS.NoTrt_B
ZNF354A	0.93766	0.87152	0.18	0.19	1	HC_vs_MS.NoTrt_B
KMT2C	0.93839	0.46141	0.422	0.44	1	HC_vs_MS.NoTrt_B
IKBKB	0.93872	0.458	0.83	0.87	1	HC_vs_MS.NoTrt_B
ZNF552	0.93931	-0.3506	0.399	0.42	1	HC_vs_MS.NoTrt_B
WNK1	0.93958	0.34308	0.526	0.57	1	HC_vs_MS.NoTrt_B
TTC16	0.93967	0.33108	0.561	0.62	1	HC_vs_MS.NoTrt_B
MVD	0.93988	0.29118	0.454	0.5	1	HC_vs_MS.NoTrt_B
MKL1	0.93999	0.45858	0.387	0.4	1	HC_vs_MS.NoTrt_B
MIGA2	0.94046	-0.3334	0.399	0.38	1	HC_vs_MS.NoTrt_B
TBCK	0.94058	0.47655	0.725	0.74	1	HC_vs_MS.NoTrt_B
SWAP70	0.94139	-0.4067	0.458	0.48	1	HC_vs_MS.NoTrt_B
MBNL2	0.94159	0.26226	0.18	0.18	1	HC_vs_MS.NoTrt_B
CCDC113	0.94205	0.31151	0.639	0.68	1	HC_vs_MS.NoTrt_B
YEATS2	0.94218	0.5477	0.623	0.66	1	HC_vs_MS.NoTrt_B
NEDD4L	0.94255	-0.3198	0.42	0.43	1	HC_vs_MS.NoTrt_B
NUP35	0.94264	-0.484	0.462	0.5	1	HC_vs_MS.NoTrt_B
ZNF23	0.94294	0.38663	0.326	0.35	1	HC_vs_MS.NoTrt_B
SHF	0.94298	0.27822	0.336	0.35	1	HC_vs_MS.NoTrt_B

XYLT2	0.94343	0.33762	0.586	0.62	1	HC_vs_MS.NoTrt_B
RNF4	0.94344	0.2726	0.765	0.77	1	HC_vs_MS.NoTrt_B
SZRD1	0.94347	0.40978	0.193	0.2	1	HC_vs_MS.NoTrt_B
9-Sep	0.94377	0.64781	0.587	0.67	1	HC_vs_MS.NoTrt_B
TANC1	0.94388	0.65635	0.339	0.35	1	HC_vs_MS.NoTrt_B
SLC25A37	0.94404	0.49144	0.649	0.68	1	HC_vs_MS.NoTrt_B
RBFA	0.94468	0.91501	0.288	0.29	1	HC_vs_MS.NoTrt_B
MSL3	0.94481	0.38102	0.184	0.2	1	HC_vs_MS.NoTrt_B
DHRS11	0.94574	-0.6868	0.283	0.29	1	HC_vs_MS.NoTrt_B
MEMO1	0.94577	0.28308	0.301	0.3	1	HC_vs_MS.NoTrt_B
PPP1R16A	0.94618	0.9898	0.436	0.45	1	HC_vs_MS.NoTrt_B
ITPR1	0.94686	0.2734	0.154	0.15	1	HC_vs_MS.NoTrt_B
ATPAF1	0.9472	-0.5697	0.235	0.23	1	HC_vs_MS.NoTrt_B
CENPM	0.94734	-0.7481	0.3	0.29	1	HC_vs_MS.NoTrt_B
RGPD8	0.9475	0.96503	0.188	0.2	1	HC_vs_MS.NoTrt_B
RAI1	0.94761	0.69547	0.209	0.21	1	HC_vs_MS.NoTrt_B
RXRA	0.94775	1.32092	0.138	0.14	1	HC_vs_MS.NoTrt_B
UBP1	0.94819	0.71373	0.099	0.1	1	HC_vs_MS.NoTrt_B
RC3H2	0.94823	0.43972	0.496	0.5	1	HC_vs_MS.NoTrt_B
HEATR1	0.94842	0.41643	0.138	0.14	1	HC_vs_MS.NoTrt_B
USP36	0.94874	0.52788	0.239	0.24	1	HC_vs_MS.NoTrt_B
PTAFR	0.94878	0.39232	0.567	0.61	1	HC_vs_MS.NoTrt_B
LINC00094	0.94951	0.68923	0.457	0.46	1	HC_vs_MS.NoTrt_B
TMEM140	0.94969	0.4227	0.178	0.18	1	HC_vs_MS.NoTrt_B
SERPINF1	0.95028	0.36437	0.752	0.84	1	HC_vs_MS.NoTrt_B
PTPN18	0.95051	1.03071	0.37	0.4	1	HC_vs_MS.NoTrt_B
TMEM221	0.95053	0.49408	0.17	0.17	1	HC_vs_MS.NoTrt_B
DHX30	0.95074	-0.3588	0.639	0.64	1	HC_vs_MS.NoTrt_B
DCTN5	0.95114	-0.3157	0.781	0.82	1	HC_vs_MS.NoTrt_B
ZEB1	0.95123	0.90818	0.565	0.56	1	HC_vs_MS.NoTrt_B
STK17A	0.9521	1.04039	0.274	0.29	1	HC_vs_MS.NoTrt_B
NCBP1	0.95253	0.46896	0.649	0.71	1	HC_vs_MS.NoTrt_B
TRIM46	0.95314	-0.7854	0.417	0.44	1	HC_vs_MS.NoTrt_B
ZNF397	0.95335	-0.4223	0.946	0.96	1	HC_vs_MS.NoTrt_B
ANK1	0.95337	-1.2155	0.225	0.22	1	HC_vs_MS.NoTrt_B
HMG20A	0.95337	0.7713	0.264	0.28	1	HC_vs_MS.NoTrt_B
XYLT1	0.95339	0.31194	0.116	0.11	1	HC_vs_MS.NoTrt_B
PGM3	0.95418	1.0872	0.245	0.25	1	HC_vs_MS.NoTrt_B
P2RY10	0.95428	0.41014	0.309	0.3	1	HC_vs_MS.NoTrt_B
KDM4C	0.95433	0.35212	0.291	0.3	1	HC_vs_MS.NoTrt_B

NIPAL2	0.95435	-0.4003	0.281	0.28	1	HC_vs_MS.NoTrt_B
PUS3	0.9545	0.30183	0.31	0.32	1	HC_vs_MS.NoTrt_B
NDUFAF6	0.95457	0.33648	0.622	0.63	1	HC_vs_MS.NoTrt_B
ZNF786	0.95502	-0.3793	0.406	0.41	1	HC_vs_MS.NoTrt_B
TBL3	0.95611	0.35919	0.268	0.27	1	HC_vs_MS.NoTrt_B
PER1	0.95647	0.50674	0.332	0.34	1	HC_vs_MS.NoTrt_B
TBC1D15	0.95649	0.50404	0.572	0.6	1	HC_vs_MS.NoTrt_B
GUSB	0.95682	-0.3899	0.681	0.72	1	HC_vs_MS.NoTrt_B
ZNF740	0.95735	0.37201	0.142	0.14	1	HC_vs_MS.NoTrt_B
SSPO	0.95815	0.91102	0.123	0.12	1	HC_vs_MS.NoTrt_B
ALG14	0.95828	-0.3641	0.899	0.93	1	HC_vs_MS.NoTrt_B
AGO4	0.95953	-1.1417	0.28	0.28	1	HC_vs_MS.NoTrt_B
CC2D1B	0.95962	0.25195	0.59	0.6	1	HC_vs_MS.NoTrt_B
JAK2	0.95972	0.34888	0.223	0.22	1	HC_vs_MS.NoTrt_B
LIPT2	0.96021	-0.4154	0.123	0.12	1	HC_vs_MS.NoTrt_B
KATNAL2	0.96041	0.6897	0.31	0.32	1	HC_vs_MS.NoTrt_B
DHDDS	0.96044	0.575	0.543	0.57	1	HC_vs_MS.NoTrt_B
WDR44	0.96045	0.44103	0.1	0.1	1	HC_vs_MS.NoTrt_B
GPC2	0.96093	0.57023	0.397	0.43	1	HC_vs_MS.NoTrt_B
MTPAP	0.9615	0.69441	0.832	0.89	1	HC_vs_MS.NoTrt_B
SPEF2	0.9621	0.43267	0.546	0.56	1	HC_vs_MS.NoTrt_B
ZNF658	0.96228	0.46582	0.175	0.18	1	HC_vs_MS.NoTrt_B
YY1	0.96288	0.66524	0.314	0.32	1	HC_vs_MS.NoTrt_B
PRPF40B	0.96319	0.33848	0.204	0.21	1	HC_vs_MS.NoTrt_B
EXOSC3	0.96327	0.33146	0.429	0.44	1	HC_vs_MS.NoTrt_B
ZNF812P	0.96347	0.36805	0.109	0.11	1	HC_vs_MS.NoTrt_B
PRRC2A	0.96409	0.46833	0.757	0.82	1	HC_vs_MS.NoTrt_B
AMD1	0.9652	-0.4456	0.713	0.74	1	HC_vs_MS.NoTrt_B
RALGAPA2	0.96527	0.82817	0.149	0.15	1	HC_vs_MS.NoTrt_B
ABCD3	0.96606	0.43388	0.125	0.12	1	HC_vs_MS.NoTrt_B
SETD5	0.96608	0.77967	0.496	0.53	1	HC_vs_MS.NoTrt_B
SYK	0.9663	0.28353	0.333	0.35	1	HC_vs_MS.NoTrt_B
MAP4K5	0.96661	0.54615	0.494	0.53	1	HC_vs_MS.NoTrt_B
CLMN	0.96725	0.29752	0.63	0.66	1	HC_vs_MS.NoTrt_B
TAF1B	0.96806	0.32272	0.464	0.49	1	HC_vs_MS.NoTrt_B
KCTD21	0.96814	-1.0453	0.416	0.42	1	HC_vs_MS.NoTrt_B
LCOR	0.96838	0.32914	0.367	0.37	1	HC_vs_MS.NoTrt_B
6-Mar	0.96839	0.33677	0.8	0.85	1	HC_vs_MS.NoTrt_B
MAGEA10	0.96907	0.27874	0.543	0.56	1	HC_vs_MS.NoTrt_B
COMMD2	0.96949	0.38757	0.329	0.33	1	HC_vs_MS.NoTrt_B



PFKFB3	0.9702	0.78718	0.23	0.23	1	HC_vs_MS.NoTrt_B
C1R	0.97106	0.65506	0.346	0.38	1	HC_vs_MS.NoTrt_B
PPAT	0.97131	0.40008	0.271	0.28	1	HC_vs_MS.NoTrt_B
DNAJB5	0.9715	-1.38	0.146	0.15	1	HC_vs_MS.NoTrt_B
COLGALT1	0.97382	0.29257	0.436	0.47	1	HC_vs_MS.NoTrt_B
TNRC6A	0.97383	0.3434	0.764	0.81	1	HC_vs_MS.NoTrt_B
NEPRO	0.97395	0.42993	0.194	0.2	1	HC_vs_MS.NoTrt_B
C21orf2	0.97439	0.33997	0.123	0.12	1	HC_vs_MS.NoTrt_B
CNOT1	0.97532	0.34149	0.806	0.84	1	HC_vs_MS.NoTrt_B
RCAN1	0.976	0.37401	0.303	0.32	1	HC_vs_MS.NoTrt_B
C2CD5	0.97619	0.62717	0.165	0.17	1	HC_vs_MS.NoTrt_B
HSPH1	0.97659	0.70527	0.165	0.17	1	HC_vs_MS.NoTrt_B
ZCCHC17	0.97665	0.36023	0.117	0.12	1	HC_vs_MS.NoTrt_B
VPS4B	0.97667	-0.2508	0.742	0.78	1	HC_vs_MS.NoTrt_B
BCR	0.977	-0.2746	0.261	0.27	1	HC_vs_MS.NoTrt_B
KPTN	0.97825	0.41266	0.212	0.22	1	HC_vs_MS.NoTrt_B
MYSM1	0.9784	0.82348	0.206	0.21	1	HC_vs_MS.NoTrt_B
ACTG2	0.97854	0.56918	0.241	0.24	1	HC_vs_MS.NoTrt_B
HHLA1	0.97869	0.34889	0.381	0.41	1	HC_vs_MS.NoTrt_B
NPIP11	0.97915	0.6605	0.446	0.49	1	HC_vs_MS.NoTrt_B
ZNF561	0.97944	-0.4657	0.532	0.55	1	HC_vs_MS.NoTrt_B
STAT2	0.98011	0.62061	0.883	0.92	1	HC_vs_MS.NoTrt_B
NKIRAS2	0.98056	-0.2904	0.806	0.85	1	HC_vs_MS.NoTrt_B
ABCB6	0.9817	0.30791	0.113	0.11	1	HC_vs_MS.NoTrt_B
CTD-2192J10	0.98217	0.56049	0.454	0.48	1	HC_vs_MS.NoTrt_B
HAUS1	0.98241	-0.359	0.635	0.62	1	HC_vs_MS.NoTrt_B
ZNF664	0.98257	0.36638	0.233	0.24	1	HC_vs_MS.NoTrt_B
RNF19A	0.98261	0.36603	0.412	0.43	1	HC_vs_MS.NoTrt_B
MYO6	0.98283	0.41294	0.419	0.45	1	HC_vs_MS.NoTrt_B
AC004381.6	0.98285	0.57317	0.196	0.2	1	HC_vs_MS.NoTrt_B
PCBP1	0.98322	0.37019	0.514	0.53	1	HC_vs_MS.NoTrt_B
ANKRD22	0.98337	0.27063	0.125	0.12	1	HC_vs_MS.NoTrt_B
CEP135	0.9834	0.44364	0.757	0.8	1	HC_vs_MS.NoTrt_B
DCAF7	0.98394	-0.2818	0.348	0.32	1	HC_vs_MS.NoTrt_B
MORN4	0.98403	0.41882	0.532	0.58	1	HC_vs_MS.NoTrt_B
ZNF33A	0.98422	0.2608	0.574	0.58	1	HC_vs_MS.NoTrt_B
CNPY4	0.98436	0.47607	0.69	0.75	1	HC_vs_MS.NoTrt_B
LDHAL6A	0.98439	0.50884	0.349	0.37	1	HC_vs_MS.NoTrt_B
ERMN	0.98452	0.26158	0.172	0.17	1	HC_vs_MS.NoTrt_B
ATP13A4	0.98509	0.70079	0.397	0.42	1	HC_vs_MS.NoTrt_B

GPR174	0.98524	0.31224	0.154	0.16	1	HC_vs_MS.NoTrt_B
PDE4D	0.98577	0.35438	0.304	0.32	1	HC_vs_MS.NoTrt_B
SIRT2	0.98613	-0.4039	0.897	0.91	1	HC_vs_MS.NoTrt_B
ETFB	0.98639	-0.2832	0.868	0.9	1	HC_vs_MS.NoTrt_B
METTLL12	0.98695	0.5879	0.613	0.67	1	HC_vs_MS.NoTrt_B
SIRT1	0.98761	0.44903	0.103	0.1	1	HC_vs_MS.NoTrt_B
CHD2	0.98811	0.30586	0.987	0.99	1	HC_vs_MS.NoTrt_B
SSFA2	0.98837	0.49553	0.119	0.12	1	HC_vs_MS.NoTrt_B
INPP5E	0.98928	0.36167	0.27	0.27	1	HC_vs_MS.NoTrt_B
HAUS8	0.98955	-0.3307	0.726	0.75	1	HC_vs_MS.NoTrt_B
CNIH3	0.99124	-0.5556	0.171	0.17	1	HC_vs_MS.NoTrt_B
FAM60A	0.99142	0.53348	0.522	0.55	1	HC_vs_MS.NoTrt_B
TLL2	0.99162	0.32112	0.316	0.33	1	HC_vs_MS.NoTrt_B
XYLB	0.99163	0.27943	0.433	0.45	1	HC_vs_MS.NoTrt_B
ZNF287	0.99166	-0.4026	0.365	0.37	1	HC_vs_MS.NoTrt_B
MTBP	0.99189	0.40515	0.597	0.62	1	HC_vs_MS.NoTrt_B
MLANA	0.99204	0.3098	0.394	0.44	1	HC_vs_MS.NoTrt_B
PATJ	0.99213	0.33512	0.662	0.68	1	HC_vs_MS.NoTrt_B
USO1	0.99227	1.07089	0.133	0.14	1	HC_vs_MS.NoTrt_B
NDST4	0.9925	0.35532	0.109	0.11	1	HC_vs_MS.NoTrt_B
APBA2	0.99308	0.56246	0.522	0.54	1	HC_vs_MS.NoTrt_B
USP3	0.99367	0.4486	0.743	0.74	1	HC_vs_MS.NoTrt_B
CHAMP1	0.99376	0.35159	0.581	0.62	1	HC_vs_MS.NoTrt_B
MED22	0.9943	0.60565	0.506	0.55	1	HC_vs_MS.NoTrt_B
CCDC120	0.99433	0.43668	0.464	0.5	1	HC_vs_MS.NoTrt_B
AURKA	0.99445	0.53858	0.286	0.3	1	HC_vs_MS.NoTrt_B
KNSTRN	0.99562	0.46094	0.475	0.49	1	HC_vs_MS.NoTrt_B
SLC7A6	0.99582	0.29393	0.51	0.5	1	HC_vs_MS.NoTrt_B
KCNMB3	0.99622	0.48283	0.367	0.38	1	HC_vs_MS.NoTrt_B
GARNL3	0.9969	1.36895	0.155	0.16	1	HC_vs_MS.NoTrt_B
ANKRD7	0.99702	0.53258	0.171	0.18	1	HC_vs_MS.NoTrt_B
EXD2	0.99747	1.04718	0.181	0.18	1	HC_vs_MS.NoTrt_B
ATP10A	0.99751	0.33151	0.101	0.1	1	HC_vs_MS.NoTrt_B
CLMP	0.99775	0.50767	0.378	0.4	1	HC_vs_MS.NoTrt_B
KDM5D	0.99921	-0.9367	0.316	0.31	1	HC_vs_MS.NoTrt_B
MMP24-AS1	0.99947	0.59597	0.725	0.76	1	HC_vs_MS.NoTrt_B
CHD3	0.9997	0.37066	0.365	0.38	1	HC_vs_MS.NoTrt_B
FBXO40	1	1.06782	0.328	0.34	1	HC_vs_MS.NoTrt_B
FBXL22	1	0.86429	0.103	0.1	1	HC_vs_MS.NoTrt_B
MT-ND4L	2.06E-22	1.36987	0.989	1	3.29E-18	MS.Trt_vs_MS.NoTrt_F

MT-CO2	1.18E-18	1.11448	0.996	1	1.89E-14	MS.Trt_vs_MS.NoTrt_F
RBPJ	1.41E-18	-0.3463	0.36	0.79	2.25E-14	MS.Trt_vs_MS.NoTrt_F
HLA-B	1.32E-17	-0.6715	0.881	0.99	2.10E-13	MS.Trt_vs_MS.NoTrt_F
TAC4	3.62E-14	-0.9884	0.561	0.8	5.78E-10	MS.Trt_vs_MS.NoTrt_F
CD69	4.93E-14	-0.9566	0.277	0.66	7.88E-10	MS.Trt_vs_MS.NoTrt_F
RGS1	8.40E-14	-1.0624	0.356	0.7	1.34E-09	MS.Trt_vs_MS.NoTrt_F
PCSK5	9.46E-14	1.55027	0.928	0.93	1.51E-09	MS.Trt_vs_MS.NoTrt_F
ARHGAP9	1.08E-13	-0.6735	0.46	0.77	1.73E-09	MS.Trt_vs_MS.NoTrt_F
EEF1A1	2.56E-13	-0.4483	0.964	1	4.09E-09	MS.Trt_vs_MS.NoTrt_F
RPS4Y1	2.75E-13	-3.8498	0.079	0.33	4.39E-09	MS.Trt_vs_MS.NoTrt_F
RPS3	3.19E-13	-0.4772	0.853	0.99	5.09E-09	MS.Trt_vs_MS.NoTrt_F
HOXB2	2.36E-12	-0.6688	0.112	0.39	3.77E-08	MS.Trt_vs_MS.NoTrt_F
HSPA1A	3.95E-12	-0.9118	0.169	0.47	6.31E-08	MS.Trt_vs_MS.NoTrt_F
EIF4A2	4.27E-12	-0.611	0.46	0.83	6.83E-08	MS.Trt_vs_MS.NoTrt_F
AQP3	4.29E-12	-0.8966	0.27	0.6	6.85E-08	MS.Trt_vs_MS.NoTrt_F
SNRNP70	4.34E-12	-1.0312	0.183	0.48	6.92E-08	MS.Trt_vs_MS.NoTrt_F
SRSF7	5.15E-12	-0.4925	0.396	0.76	8.23E-08	MS.Trt_vs_MS.NoTrt_F
ECSIT	5.90E-12	-0.8493	0.227	0.54	9.42E-08	MS.Trt_vs_MS.NoTrt_F
RPL9	9.16E-12	-0.6516	0.809	0.95	1.46E-07	MS.Trt_vs_MS.NoTrt_F
HNRNPH1	9.83E-12	0.98686	0.993	1	1.57E-07	MS.Trt_vs_MS.NoTrt_F
DNAJB1	2.04E-11	-0.8421	0.683	0.92	3.26E-07	MS.Trt_vs_MS.NoTrt_F
GBP5	3.13E-11	-0.5737	0.54	0.81	4.99E-07	MS.Trt_vs_MS.NoTrt_F
LSM6	4.34E-11	-0.6833	0.115	0.38	6.93E-07	MS.Trt_vs_MS.NoTrt_F
PBX1	6.33E-11	-0.5771	0.878	0.95	1.01E-06	MS.Trt_vs_MS.NoTrt_F
HSPA1B	7.57E-11	-1.2509	0.212	0.49	1.21E-06	MS.Trt_vs_MS.NoTrt_F
METTL21A	1.09E-10	0.91762	0.953	0.95	1.74E-06	MS.Trt_vs_MS.NoTrt_F
MTRNR2L4	1.88E-10	-0.4194	0.924	0.99	3.01E-06	MS.Trt_vs_MS.NoTrt_F
TYR	2.58E-10	-0.6029	0.194	0.46	4.12E-06	MS.Trt_vs_MS.NoTrt_F
JUN	2.59E-10	-0.4896	0.327	0.64	4.13E-06	MS.Trt_vs_MS.NoTrt_F
PHF1	2.93E-10	-1.4454	0.129	0.38	4.68E-06	MS.Trt_vs_MS.NoTrt_F
GPSM3	5.21E-10	-0.7046	0.374	0.67	8.31E-06	MS.Trt_vs_MS.NoTrt_F
ELF1	5.25E-10	-0.6808	0.295	0.59	8.38E-06	MS.Trt_vs_MS.NoTrt_F
RPL26	5.79E-10	-0.4218	0.835	0.97	9.25E-06	MS.Trt_vs_MS.NoTrt_F
ALKBH5	6.86E-10	-0.8505	0.144	0.4	1.10E-05	MS.Trt_vs_MS.NoTrt_F
MAML2	7.19E-10	-1.3733	0.14	0.39	1.15E-05	MS.Trt_vs_MS.NoTrt_F
SYNPO	7.97E-10	-0.639	0.18	0.44	1.27E-05	MS.Trt_vs_MS.NoTrt_F
ATP2B1	9.19E-10	-0.2781	0.378	0.71	1.47E-05	MS.Trt_vs_MS.NoTrt_F
LYPLA2	9.68E-10	-0.9463	0.119	0.36	1.55E-05	MS.Trt_vs_MS.NoTrt_F
LRRC8C	1.02E-09	-0.8285	0.277	0.54	1.63E-05	MS.Trt_vs_MS.NoTrt_F
JUNB	1.10E-09	-0.5103	0.565	0.85	1.76E-05	MS.Trt_vs_MS.NoTrt_F

ANXA2	1.18E-09	-0.502	0.637	0.86	1.89E-05	MS.Trt_vs_MS.NoTrt_F
S100A4	1.23E-09	-0.3053	0.55	0.9	1.97E-05	MS.Trt_vs_MS.NoTrt_F
FAM160B1	1.33E-09	-1.4204	0.147	0.4	2.12E-05	MS.Trt_vs_MS.NoTrt_F
C1orf56	1.45E-09	0.93396	0.842	0.8	2.31E-05	MS.Trt_vs_MS.NoTrt_F
POLR2G	1.57E-09	-0.755	0.137	0.39	2.51E-05	MS.Trt_vs_MS.NoTrt_F
TNIK	1.62E-09	-0.4818	0.306	0.61	2.59E-05	MS.Trt_vs_MS.NoTrt_F
CCDC14	1.66E-09	-1.1961	0.187	0.45	2.65E-05	MS.Trt_vs_MS.NoTrt_F
ANP32B	2.21E-09	-0.405	0.237	0.51	3.52E-05	MS.Trt_vs_MS.NoTrt_F
VPS13C	2.40E-09	-0.6122	0.716	0.91	3.83E-05	MS.Trt_vs_MS.NoTrt_F
TCEA1	2.50E-09	-0.3421	0.252	0.54	4.00E-05	MS.Trt_vs_MS.NoTrt_F
KIAA1551	2.65E-09	-0.5045	0.403	0.71	4.23E-05	MS.Trt_vs_MS.NoTrt_F
RUNDC3B	2.74E-09	-0.7282	0.212	0.44	4.38E-05	MS.Trt_vs_MS.NoTrt_F
SLC9A9	3.07E-09	-1.2621	0.108	0.34	4.90E-05	MS.Trt_vs_MS.NoTrt_F
VPS36	3.11E-09	-0.8189	0.219	0.48	4.96E-05	MS.Trt_vs_MS.NoTrt_F
SAYSD1	3.36E-09	-0.2725	0.137	0.38	5.36E-05	MS.Trt_vs_MS.NoTrt_F
PKM	3.63E-09	-0.4899	0.478	0.79	5.80E-05	MS.Trt_vs_MS.NoTrt_F
SF1	3.76E-09	-0.4497	0.424	0.72	6.01E-05	MS.Trt_vs_MS.NoTrt_F
CDKN1B	4.04E-09	-0.7236	0.266	0.55	6.46E-05	MS.Trt_vs_MS.NoTrt_F
TAGAP	4.06E-09	-0.8216	0.245	0.52	6.48E-05	MS.Trt_vs_MS.NoTrt_F
SMCHD1	5.31E-09	-0.5247	0.608	0.85	8.48E-05	MS.Trt_vs_MS.NoTrt_F
TAGLN2	5.36E-09	-0.3632	0.471	0.82	8.56E-05	MS.Trt_vs_MS.NoTrt_F
RASA2	5.54E-09	-0.4398	0.327	0.61	8.84E-05	MS.Trt_vs_MS.NoTrt_F
SMC3	6.35E-09	-0.4404	0.205	0.47	1.01E-04	MS.Trt_vs_MS.NoTrt_F
FLNA	6.51E-09	-0.423	0.511	0.8	1.04E-04	MS.Trt_vs_MS.NoTrt_F
ARL5B	6.96E-09	-0.7725	0.112	0.33	1.11E-04	MS.Trt_vs_MS.NoTrt_F
GBP2	7.31E-09	-0.597	0.356	0.64	1.17E-04	MS.Trt_vs_MS.NoTrt_F
TXNIP	7.35E-09	-0.4972	0.504	0.8	1.17E-04	MS.Trt_vs_MS.NoTrt_F
ELF4	7.71E-09	-1.083	0.094	0.3	1.23E-04	MS.Trt_vs_MS.NoTrt_F
STXBP2	8.89E-09	-1.1342	0.216	0.46	1.42E-04	MS.Trt_vs_MS.NoTrt_F
RP11-343C2	9.30E-09	-1.0282	0.115	0.34	1.49E-04	MS.Trt_vs_MS.NoTrt_F
PRKCQ	9.38E-09	-0.5091	0.259	0.54	1.50E-04	MS.Trt_vs_MS.NoTrt_F
ABCC1	9.61E-09	-0.4485	0.32	0.6	1.53E-04	MS.Trt_vs_MS.NoTrt_F
ORC6	1.06E-08	1.01191	0.964	0.97	1.69E-04	MS.Trt_vs_MS.NoTrt_F
EFNA5	1.14E-08	-0.325	0.32	0.57	1.82E-04	MS.Trt_vs_MS.NoTrt_F
CEACAM1	1.22E-08	-0.5398	0.917	0.75	1.94E-04	MS.Trt_vs_MS.NoTrt_F
MAP1LC3B	1.22E-08	-0.325	0.313	0.59	1.94E-04	MS.Trt_vs_MS.NoTrt_F
SNU13	1.33E-08	-0.7558	0.216	0.48	2.12E-04	MS.Trt_vs_MS.NoTrt_F
CD28	1.37E-08	-0.2834	0.547	0.77	2.19E-04	MS.Trt_vs_MS.NoTrt_F
9-Sep	1.62E-08	-0.3375	0.453	0.71	2.58E-04	MS.Trt_vs_MS.NoTrt_F
C10orf11	1.66E-08	-0.3516	0.968	0.98	2.66E-04	MS.Trt_vs_MS.NoTrt_F

DUSP10	1.72E-08	-0.3949	0.223	0.49	2.74E-04	MS.Trt_vs_MS.NoTrt_F
SDF2	1.72E-08	-0.5896	0.183	0.44	2.74E-04	MS.Trt_vs_MS.NoTrt_F
ARHGEF18	1.73E-08	-0.4355	0.277	0.55	2.76E-04	MS.Trt_vs_MS.NoTrt_F
CEP164	1.75E-08	-0.6134	0.147	0.38	2.80E-04	MS.Trt_vs_MS.NoTrt_F
CCDC167	1.80E-08	-0.2586	0.122	0.34	2.88E-04	MS.Trt_vs_MS.NoTrt_F
GTF3C5	1.99E-08	-0.7869	0.273	0.52	3.17E-04	MS.Trt_vs_MS.NoTrt_F
EPB41	2.00E-08	-0.291	0.309	0.62	3.19E-04	MS.Trt_vs_MS.NoTrt_F
MED15	2.32E-08	-0.465	0.55	0.76	3.71E-04	MS.Trt_vs_MS.NoTrt_F
CACYBP	2.33E-08	-0.4309	0.201	0.46	3.72E-04	MS.Trt_vs_MS.NoTrt_F
GAPDH	2.53E-08	-0.3973	0.705	0.93	4.04E-04	MS.Trt_vs_MS.NoTrt_F
HNRNPA2B1	2.62E-08	-0.3396	0.612	0.9	4.19E-04	MS.Trt_vs_MS.NoTrt_F
HNRNPA0	2.73E-08	-0.5673	0.309	0.59	4.35E-04	MS.Trt_vs_MS.NoTrt_F
JMJD1C	2.73E-08	-0.6993	0.23	0.5	4.36E-04	MS.Trt_vs_MS.NoTrt_F
IL6R	3.19E-08	-0.5899	0.576	0.79	5.09E-04	MS.Trt_vs_MS.NoTrt_F
ACTR1B	3.62E-08	-0.6398	0.133	0.36	5.79E-04	MS.Trt_vs_MS.NoTrt_F
MDN1	3.89E-08	-0.6499	0.147	0.37	6.21E-04	MS.Trt_vs_MS.NoTrt_F
KDM4C	4.84E-08	-0.6033	0.216	0.46	7.73E-04	MS.Trt_vs_MS.NoTrt_F
DLGAP4	5.21E-08	-1.0069	0.14	0.36	8.33E-04	MS.Trt_vs_MS.NoTrt_F
ARHGDI	5.25E-08	-0.9319	0.342	0.58	8.38E-04	MS.Trt_vs_MS.NoTrt_F
PIGF	5.51E-08	-0.6959	0.083	0.27	8.80E-04	MS.Trt_vs_MS.NoTrt_F
CDC25B	5.55E-08	-0.5379	0.291	0.55	8.86E-04	MS.Trt_vs_MS.NoTrt_F
KIAA2026	5.77E-08	-0.6218	0.165	0.39	9.22E-04	MS.Trt_vs_MS.NoTrt_F
AMMECR1L	6.79E-08	-0.4761	0.191	0.44	0.001084	MS.Trt_vs_MS.NoTrt_F
PRDX1	7.06E-08	-0.4345	0.5	0.75	0.001127	MS.Trt_vs_MS.NoTrt_F
NCKAP1L	7.14E-08	-0.7131	0.701	0.86	0.00114	MS.Trt_vs_MS.NoTrt_F
BAZ1B	7.17E-08	-0.8542	0.144	0.37	0.001145	MS.Trt_vs_MS.NoTrt_F
USMG5	7.43E-08	0.41199	0.18	0.43	0.001186	MS.Trt_vs_MS.NoTrt_F
TCEAL8	7.48E-08	-0.4896	0.094	0.29	0.001195	MS.Trt_vs_MS.NoTrt_F
LIG1	7.48E-08	-1.2339	0.119	0.33	0.001196	MS.Trt_vs_MS.NoTrt_F
NARS	7.76E-08	-0.7966	0.137	0.35	0.00124	MS.Trt_vs_MS.NoTrt_F
COMMD1	8.26E-08	0.42387	0.493	0.82	0.00132	MS.Trt_vs_MS.NoTrt_F
NDUFB8	8.74E-08	-0.251	0.309	0.6	0.001396	MS.Trt_vs_MS.NoTrt_F
C11orf98	9.03E-08	-0.8473	0.122	0.33	0.001442	MS.Trt_vs_MS.NoTrt_F
FAM118A	9.06E-08	-0.9157	0.522	0.71	0.001446	MS.Trt_vs_MS.NoTrt_F
LMF2	9.68E-08	-0.3183	0.219	0.47	0.001546	MS.Trt_vs_MS.NoTrt_F
IL2RA	9.88E-08	-0.4478	0.288	0.54	0.001578	MS.Trt_vs_MS.NoTrt_F
PDLIM2	1.02E-07	-0.6394	0.629	0.85	0.001634	MS.Trt_vs_MS.NoTrt_F
LDHB	1.02E-07	-0.4051	0.579	0.85	0.001637	MS.Trt_vs_MS.NoTrt_F
WWOX	1.03E-07	-0.3895	0.194	0.43	0.001653	MS.Trt_vs_MS.NoTrt_F
SYNE2	1.05E-07	-0.4536	0.942	0.98	0.001681	MS.Trt_vs_MS.NoTrt_F

SERBP1	1.09E-07	-0.461	0.507	0.74	0.001743	MS.Trt_vs_MS.NoTrt_F
ZNF142	1.10E-07	-1.4273	0.083	0.27	0.001763	MS.Trt_vs_MS.NoTrt_F
FAM46C	1.11E-07	-0.5427	0.309	0.57	0.00178	MS.Trt_vs_MS.NoTrt_F
NCK2	1.15E-07	-0.7539	0.198	0.43	0.001834	MS.Trt_vs_MS.NoTrt_F
COL8A1	1.23E-07	0.51738	0.957	0.81	0.00196	MS.Trt_vs_MS.NoTrt_F
JAKMIP1	1.25E-07	-0.276	0.205	0.45	0.001998	MS.Trt_vs_MS.NoTrt_F
ATF2	1.30E-07	-1.0264	0.176	0.41	0.002073	MS.Trt_vs_MS.NoTrt_F
CD3E	1.37E-07	-0.6649	0.626	0.85	0.002187	MS.Trt_vs_MS.NoTrt_F
GABARAPL1	1.40E-07	-1.0894	0.129	0.33	0.00223	MS.Trt_vs_MS.NoTrt_F
CDC14A	1.40E-07	-0.4047	0.183	0.42	0.002231	MS.Trt_vs_MS.NoTrt_F
CASP8	1.46E-07	-0.7687	0.91	0.97	0.002335	MS.Trt_vs_MS.NoTrt_F
SUPT5H	1.53E-07	-1.2279	0.36	0.59	0.002449	MS.Trt_vs_MS.NoTrt_F
BTN3A2	1.56E-07	-0.2569	0.701	0.85	0.002492	MS.Trt_vs_MS.NoTrt_F
CNN2	1.59E-07	-0.4948	0.964	0.98	0.002545	MS.Trt_vs_MS.NoTrt_F
RFTN1	1.60E-07	-0.3442	0.299	0.55	0.00256	MS.Trt_vs_MS.NoTrt_F
ANTXR2	1.63E-07	-0.3866	0.644	0.83	0.002606	MS.Trt_vs_MS.NoTrt_F
TRERF1	1.63E-07	-0.5838	0.112	0.32	0.002612	MS.Trt_vs_MS.NoTrt_F
FAN1	1.71E-07	0.51251	0.209	0.44	0.002731	MS.Trt_vs_MS.NoTrt_F
LGALS3	1.84E-07	-0.4614	0.579	0.77	0.002937	MS.Trt_vs_MS.NoTrt_F
DYNLL1	1.92E-07	-0.3501	0.335	0.58	0.003068	MS.Trt_vs_MS.NoTrt_F
MTMR6	2.06E-07	-1.3148	0.104	0.29	0.003294	MS.Trt_vs_MS.NoTrt_F
MED26	2.10E-07	-1.3237	0.058	0.22	0.00336	MS.Trt_vs_MS.NoTrt_F
GABRE	2.16E-07	-0.5648	0.129	0.32	0.003447	MS.Trt_vs_MS.NoTrt_F
USP36	2.17E-07	-0.314	0.353	0.62	0.00347	MS.Trt_vs_MS.NoTrt_F
POLR3D	2.30E-07	-0.7725	0.345	0.58	0.003672	MS.Trt_vs_MS.NoTrt_F
BBX	2.32E-07	-0.2961	0.273	0.54	0.003704	MS.Trt_vs_MS.NoTrt_F
PAX6	2.33E-07	-0.5186	0.281	0.5	0.003717	MS.Trt_vs_MS.NoTrt_F
TMBIM6	2.35E-07	-0.3487	0.745	0.91	0.003758	MS.Trt_vs_MS.NoTrt_F
ATP5B	2.40E-07	-0.4615	0.345	0.61	0.003832	MS.Trt_vs_MS.NoTrt_F
TAF7	2.42E-07	-0.5259	0.288	0.53	0.003873	MS.Trt_vs_MS.NoTrt_F
CWC22	2.50E-07	-0.5612	0.115	0.31	0.003992	MS.Trt_vs_MS.NoTrt_F
CRY1	2.51E-07	-0.946	0.133	0.34	0.004006	MS.Trt_vs_MS.NoTrt_F
MTM1	2.56E-07	-0.51	0.101	0.29	0.004081	MS.Trt_vs_MS.NoTrt_F
PLA2G7	2.63E-07	-0.7442	0.482	0.71	0.004208	MS.Trt_vs_MS.NoTrt_F
CYP4F11	2.67E-07	-0.5358	0.302	0.52	0.004271	MS.Trt_vs_MS.NoTrt_F
RALGDS	2.78E-07	-0.6182	0.27	0.5	0.004439	MS.Trt_vs_MS.NoTrt_F
SPOCK2	2.88E-07	-0.3813	0.55	0.76	0.004594	MS.Trt_vs_MS.NoTrt_F
TNFRSF1B	2.88E-07	-0.3266	0.759	0.91	0.004603	MS.Trt_vs_MS.NoTrt_F
ANXA11	2.89E-07	-0.422	0.799	0.91	0.004615	MS.Trt_vs_MS.NoTrt_F
RTN4	2.90E-07	-0.6895	0.23	0.45	0.004633	MS.Trt_vs_MS.NoTrt_F

UBE2D3	2.91E-07	-0.3038	0.612	0.82	0.004648	MS.Trt_vs_MS.NoTrt_F
CSRNP1	2.96E-07	-0.6089	0.147	0.37	0.004724	MS.Trt_vs_MS.NoTrt_F
STK4	2.97E-07	-0.3783	0.863	0.96	0.00475	MS.Trt_vs_MS.NoTrt_F
PRKAR1A	2.98E-07	-0.483	0.281	0.52	0.004754	MS.Trt_vs_MS.NoTrt_F
P2RY8	3.08E-07	-0.6227	0.374	0.61	0.004925	MS.Trt_vs_MS.NoTrt_F
SNAP47	3.16E-07	-0.8249	0.122	0.32	0.005041	MS.Trt_vs_MS.NoTrt_F
EEF2	3.17E-07	-0.4488	0.817	0.94	0.005061	MS.Trt_vs_MS.NoTrt_F
HTATIP2	3.19E-07	-0.467	0.151	0.37	0.005103	MS.Trt_vs_MS.NoTrt_F
CCNH	3.21E-07	-0.3592	0.223	0.46	0.005133	MS.Trt_vs_MS.NoTrt_F
PREX1	3.26E-07	-0.6786	0.518	0.73	0.00521	MS.Trt_vs_MS.NoTrt_F
MT2A	3.27E-07	-0.3064	0.198	0.43	0.00522	MS.Trt_vs_MS.NoTrt_F
HNRNPA1	3.27E-07	-0.3309	0.629	0.92	0.00522	MS.Trt_vs_MS.NoTrt_F
DUSP28	3.28E-07	-0.5914	0.637	0.83	0.005232	MS.Trt_vs_MS.NoTrt_F
RAD21	3.33E-07	-0.4741	0.309	0.57	0.005318	MS.Trt_vs_MS.NoTrt_F
ZNF253	3.36E-07	1.0086	0.831	0.59	0.00536	MS.Trt_vs_MS.NoTrt_F
MAN1A2	3.60E-07	-0.6684	0.245	0.48	0.005758	MS.Trt_vs_MS.NoTrt_F
ZFP36	3.62E-07	-0.5591	0.41	0.68	0.005781	MS.Trt_vs_MS.NoTrt_F
LITAF	3.64E-07	-0.4191	0.46	0.7	0.005819	MS.Trt_vs_MS.NoTrt_F
MYH9	3.84E-07	-0.3555	0.719	0.95	0.006131	MS.Trt_vs_MS.NoTrt_F
WNK1	3.88E-07	-0.3963	0.464	0.72	0.006193	MS.Trt_vs_MS.NoTrt_F
RP11-717K1	3.91E-07	-0.6735	0.079	0.25	0.006252	MS.Trt_vs_MS.NoTrt_F
SCAP	4.26E-07	-0.347	0.554	0.77	0.00681	MS.Trt_vs_MS.NoTrt_F
SLAMF1	4.29E-07	-0.5191	0.219	0.45	0.006858	MS.Trt_vs_MS.NoTrt_F
CTLA4	4.41E-07	-0.3525	0.234	0.45	0.007041	MS.Trt_vs_MS.NoTrt_F
OSER1	4.60E-07	-0.4581	0.18	0.4	0.007354	MS.Trt_vs_MS.NoTrt_F
TIGIT	4.64E-07	-0.3498	0.313	0.55	0.007419	MS.Trt_vs_MS.NoTrt_F
CCDC7	4.68E-07	-0.3821	0.101	0.29	0.007474	MS.Trt_vs_MS.NoTrt_F
ABHD14B	4.82E-07	-0.3434	0.165	0.39	0.0077	MS.Trt_vs_MS.NoTrt_F
SEL1L	4.86E-07	-0.2864	0.169	0.39	0.007758	MS.Trt_vs_MS.NoTrt_F
THAP4	4.89E-07	-0.253	0.104	0.29	0.007805	MS.Trt_vs_MS.NoTrt_F
CBLL1	5.01E-07	-0.3072	0.209	0.44	0.007998	MS.Trt_vs_MS.NoTrt_F
DOCK2	5.36E-07	-0.3123	0.356	0.63	0.008566	MS.Trt_vs_MS.NoTrt_F
C2CD3	5.51E-07	0.48066	0.986	0.99	0.008797	MS.Trt_vs_MS.NoTrt_F
SGMS1	5.86E-07	-0.8108	0.183	0.4	0.009368	MS.Trt_vs_MS.NoTrt_F
ZRANB2	6.17E-07	-0.3782	0.273	0.51	0.009849	MS.Trt_vs_MS.NoTrt_F
PIP4K2C	6.34E-07	-0.6719	0.14	0.34	0.010132	MS.Trt_vs_MS.NoTrt_F
CCR5	6.46E-07	-1.0556	0.086	0.25	0.010318	MS.Trt_vs_MS.NoTrt_F
HSP90AA1	6.56E-07	-0.2632	0.673	0.85	0.010477	MS.Trt_vs_MS.NoTrt_F
MT-ND4	6.61E-07	0.54094	1	1	0.010556	MS.Trt_vs_MS.NoTrt_F
C12orf4	6.66E-07	-0.7737	0.471	0.72	0.010631	MS.Trt_vs_MS.NoTrt_F

HSPA9	6.93E-07	-0.5103	0.439	0.66	0.011074	MS.Trt_vs_MS.NoTrt_F
RUNX2	7.05E-07	-0.6034	0.158	0.37	0.011255	MS.Trt_vs_MS.NoTrt_F
ZCCHC2	7.10E-07	-2.4033	0.072	0.23	0.011346	MS.Trt_vs_MS.NoTrt_F
ENTPD6	7.33E-07	-0.9938	0.112	0.29	0.011707	MS.Trt_vs_MS.NoTrt_F
GPBP1	7.47E-07	-0.338	0.273	0.52	0.011936	MS.Trt_vs_MS.NoTrt_F
PHC3	7.94E-07	-0.4104	0.968	0.98	0.012677	MS.Trt_vs_MS.NoTrt_F
NT5C	8.15E-07	-0.5471	0.129	0.32	0.013024	MS.Trt_vs_MS.NoTrt_F
OGDH	8.31E-07	-0.6237	0.464	0.69	0.013279	MS.Trt_vs_MS.NoTrt_F
ACSL4	8.75E-07	-1.3532	0.133	0.33	0.013978	MS.Trt_vs_MS.NoTrt_F
RASGRP1	8.90E-07	-0.3072	0.345	0.6	0.014217	MS.Trt_vs_MS.NoTrt_F
ITFG1	9.79E-07	-0.8629	0.165	0.37	0.015635	MS.Trt_vs_MS.NoTrt_F
ANKRD13C	9.86E-07	0.52609	0.122	0.33	0.015753	MS.Trt_vs_MS.NoTrt_F
UBE2L6	9.86E-07	-0.3732	0.209	0.44	0.015756	MS.Trt_vs_MS.NoTrt_F
ZC3H3	9.87E-07	-1.0285	0.115	0.29	0.015758	MS.Trt_vs_MS.NoTrt_F
TBC1D23	1.01E-06	-0.5633	0.133	0.33	0.016101	MS.Trt_vs_MS.NoTrt_F
SLFN5	1.02E-06	-0.6477	0.856	0.93	0.016327	MS.Trt_vs_MS.NoTrt_F
C6orf62	1.06E-06	0.95396	0.838	0.85	0.016962	MS.Trt_vs_MS.NoTrt_F
BATF	1.09E-06	-0.2626	0.137	0.34	0.017422	MS.Trt_vs_MS.NoTrt_F
RBX1	1.10E-06	0.45747	0.263	0.54	0.017552	MS.Trt_vs_MS.NoTrt_F
AFF1	1.15E-06	-0.5322	0.284	0.51	0.018335	MS.Trt_vs_MS.NoTrt_F
CATIP	1.19E-06	0.59942	0.892	0.91	0.019028	MS.Trt_vs_MS.NoTrt_F
ARHGEF10	1.23E-06	0.64779	0.791	0.54	0.019686	MS.Trt_vs_MS.NoTrt_F
COPS7A	1.25E-06	-0.7612	0.23	0.44	0.019952	MS.Trt_vs_MS.NoTrt_F
SLC51A	1.26E-06	0.28623	0.888	0.73	0.020131	MS.Trt_vs_MS.NoTrt_F
STMN3	1.27E-06	-0.716	0.183	0.39	0.020285	MS.Trt_vs_MS.NoTrt_F
IDS	1.27E-06	-0.3303	0.748	0.88	0.020297	MS.Trt_vs_MS.NoTrt_F
HS3ST3B1	1.28E-06	-0.2562	0.518	0.71	0.020464	MS.Trt_vs_MS.NoTrt_F
RPSA	1.28E-06	-0.3387	0.59	0.82	0.020524	MS.Trt_vs_MS.NoTrt_F
STAT1	1.30E-06	-0.2641	0.335	0.58	0.020723	MS.Trt_vs_MS.NoTrt_F
RAD54L2	1.34E-06	-0.5621	0.665	0.81	0.021445	MS.Trt_vs_MS.NoTrt_F
NMRK1	1.37E-06	0.32155	0.223	0.44	0.021826	MS.Trt_vs_MS.NoTrt_F
TRIM37	1.39E-06	-0.6489	0.187	0.38	0.022177	MS.Trt_vs_MS.NoTrt_F
FAM153A	1.42E-06	-0.4392	0.403	0.65	0.022664	MS.Trt_vs_MS.NoTrt_F
TMEM63A	1.44E-06	-0.3068	0.665	0.88	0.022984	MS.Trt_vs_MS.NoTrt_F
TNIP1	1.46E-06	-0.5368	0.295	0.52	0.023311	MS.Trt_vs_MS.NoTrt_F
PEBP1	1.47E-06	-0.5052	0.385	0.6	0.023538	MS.Trt_vs_MS.NoTrt_F
HEBP2	1.51E-06	-0.5608	0.324	0.53	0.024113	MS.Trt_vs_MS.NoTrt_F
STAT5A	1.54E-06	-0.7462	0.133	0.33	0.024566	MS.Trt_vs_MS.NoTrt_F
ACAD9	1.55E-06	-1.0522	0.216	0.42	0.024718	MS.Trt_vs_MS.NoTrt_F
HDAC10	1.56E-06	-1.5756	0.133	0.32	0.024971	MS.Trt_vs_MS.NoTrt_F



RP11-307N1	1.59E-06	-0.7718	0.079	0.24	0.025328	MS.Trt_vs_MS.NoTrt_F
CXXC1	1.68E-06	-0.5942	0.158	0.37	0.02683	MS.Trt_vs_MS.NoTrt_F
CRIP2	1.70E-06	-0.2554	0.126	0.32	0.02717	MS.Trt_vs_MS.NoTrt_F
WAS	1.72E-06	-0.4048	0.259	0.46	0.027518	MS.Trt_vs_MS.NoTrt_F
RPS6KA1	1.75E-06	-0.7667	0.169	0.37	0.028019	MS.Trt_vs_MS.NoTrt_F
AATF	1.80E-06	-0.5152	0.158	0.36	0.028713	MS.Trt_vs_MS.NoTrt_F
RALA	1.82E-06	-0.6273	0.155	0.35	0.029024	MS.Trt_vs_MS.NoTrt_F
TBC1D14	1.89E-06	-0.2756	0.176	0.39	0.030199	MS.Trt_vs_MS.NoTrt_F
SLC3A2	1.89E-06	-0.3793	0.453	0.66	0.030252	MS.Trt_vs_MS.NoTrt_F
RARRES3	1.90E-06	-0.3253	0.237	0.48	0.030277	MS.Trt_vs_MS.NoTrt_F
UBQLN2	1.94E-06	-0.5888	0.209	0.42	0.030942	MS.Trt_vs_MS.NoTrt_F
HNRNPDL	1.98E-06	-0.2682	0.514	0.77	0.031631	MS.Trt_vs_MS.NoTrt_F
RFX7	2.00E-06	-0.3954	0.147	0.34	0.031898	MS.Trt_vs_MS.NoTrt_F
CDH8	2.07E-06	-0.3797	0.36	0.59	0.033041	MS.Trt_vs_MS.NoTrt_F
AF011889.5	2.13E-06	-0.5481	0.173	0.37	0.034006	MS.Trt_vs_MS.NoTrt_F
PGK1	2.15E-06	-0.3042	0.568	0.79	0.034265	MS.Trt_vs_MS.NoTrt_F
SARS	2.17E-06	-0.2928	0.223	0.46	0.034614	MS.Trt_vs_MS.NoTrt_F
ACOT8	2.17E-06	-0.7102	0.09	0.25	0.034715	MS.Trt_vs_MS.NoTrt_F
AKIRIN1	2.27E-06	-0.3715	0.45	0.68	0.03622	MS.Trt_vs_MS.NoTrt_F
TNFAIP8L2	2.32E-06	-1.1085	0.086	0.25	0.036984	MS.Trt_vs_MS.NoTrt_F
WHRN	2.33E-06	-0.5712	0.108	0.28	0.03717	MS.Trt_vs_MS.NoTrt_F
R3HCC1	2.33E-06	-0.9991	0.108	0.28	0.037226	MS.Trt_vs_MS.NoTrt_F
ARF5	2.39E-06	-0.2726	0.194	0.41	0.038127	MS.Trt_vs_MS.NoTrt_F
MAF1	2.51E-06	-0.2733	0.158	0.36	0.040164	MS.Trt_vs_MS.NoTrt_F
CD48	2.64E-06	-0.3275	0.252	0.49	0.042095	MS.Trt_vs_MS.NoTrt_F
RIMS1	2.72E-06	-0.4521	0.212	0.4	0.043438	MS.Trt_vs_MS.NoTrt_F
PFKP	2.84E-06	-0.5478	0.23	0.44	0.0453	MS.Trt_vs_MS.NoTrt_F
PPP1R1C	2.84E-06	-0.4195	0.23	0.43	0.045408	MS.Trt_vs_MS.NoTrt_F
SNRNP40	2.95E-06	-0.3081	0.165	0.36	0.047082	MS.Trt_vs_MS.NoTrt_F
HDLBP	3.11E-06	-0.477	0.432	0.6	0.049653	MS.Trt_vs_MS.NoTrt_F
EIF4A3	3.15E-06	-1.2425	0.665	0.8	0.050276	MS.Trt_vs_MS.NoTrt_F
FMNL2	3.22E-06	-0.615	0.173	0.35	0.051485	MS.Trt_vs_MS.NoTrt_F
FNBP4	3.23E-06	-0.5601	0.424	0.64	0.05158	MS.Trt_vs_MS.NoTrt_F
EXOC3L4	3.31E-06	-0.8435	0.137	0.31	0.05285	MS.Trt_vs_MS.NoTrt_F
ANP32A	3.36E-06	-0.9836	0.205	0.4	0.053653	MS.Trt_vs_MS.NoTrt_F
ANO9	3.46E-06	-0.4724	0.227	0.44	0.055336	MS.Trt_vs_MS.NoTrt_F
TRAF1	3.48E-06	0.26531	0.273	0.51	0.055526	MS.Trt_vs_MS.NoTrt_F
MYO9A	3.62E-06	-0.5897	0.27	0.49	0.057817	MS.Trt_vs_MS.NoTrt_F
EPM2AIP1	3.62E-06	-0.7157	0.23	0.42	0.057893	MS.Trt_vs_MS.NoTrt_F
PRKG2	3.69E-06	-0.7843	0.295	0.54	0.058979	MS.Trt_vs_MS.NoTrt_F

PSMD7	3.99E-06	-0.5322	0.266	0.48	0.06381	MS.Trt_vs_MS.NoTrt_F
SLC41A3	4.03E-06	-0.5993	0.273	0.49	0.064435	MS.Trt_vs_MS.NoTrt_F
GMIP	4.15E-06	-1.0644	0.191	0.39	0.066316	MS.Trt_vs_MS.NoTrt_F
UBL7	4.23E-06	-0.5152	0.137	0.32	0.067592	MS.Trt_vs_MS.NoTrt_F
SYT17	4.32E-06	-0.37	0.277	0.48	0.069051	MS.Trt_vs_MS.NoTrt_F
PTAR1	4.39E-06	-0.8272	0.137	0.32	0.07019	MS.Trt_vs_MS.NoTrt_F
C15orf53	4.46E-06	-0.8766	0.115	0.28	0.071282	MS.Trt_vs_MS.NoTrt_F
EIF3D	4.63E-06	-0.3157	0.371	0.6	0.073948	MS.Trt_vs_MS.NoTrt_F
TMED7	4.68E-06	-1.2323	0.104	0.27	0.074803	MS.Trt_vs_MS.NoTrt_F
ADSS	4.70E-06	-0.2727	0.137	0.32	0.075063	MS.Trt_vs_MS.NoTrt_F
RRM1	4.72E-06	-0.2633	0.331	0.55	0.075439	MS.Trt_vs_MS.NoTrt_F
SP2	4.76E-06	-1.3482	0.277	0.48	0.076039	MS.Trt_vs_MS.NoTrt_F
MSANTD4	4.79E-06	-1.6116	0.058	0.19	0.076548	MS.Trt_vs_MS.NoTrt_F
IKBKE	4.80E-06	-0.2959	0.291	0.53	0.076641	MS.Trt_vs_MS.NoTrt_F
ULK3	4.86E-06	-0.5578	0.144	0.33	0.07768	MS.Trt_vs_MS.NoTrt_F
LAMP1	4.86E-06	-0.9513	0.349	0.54	0.077687	MS.Trt_vs_MS.NoTrt_F
BORCS5	4.94E-06	-0.5977	0.597	0.79	0.07893	MS.Trt_vs_MS.NoTrt_F
RPL7A	5.01E-06	-0.3246	0.68	0.92	0.080023	MS.Trt_vs_MS.NoTrt_F
ASUN	5.10E-06	-0.5755	0.126	0.3	0.081495	MS.Trt_vs_MS.NoTrt_F
EHD2	5.24E-06	-0.6523	0.799	0.91	0.083676	MS.Trt_vs_MS.NoTrt_F
GIMAP2	5.31E-06	-0.5109	0.853	0.91	0.084757	MS.Trt_vs_MS.NoTrt_F
BTG1	5.32E-06	-0.3241	0.619	0.85	0.084955	MS.Trt_vs_MS.NoTrt_F
NDUFA4	5.56E-06	0.26861	0.554	0.77	0.08876	MS.Trt_vs_MS.NoTrt_F
NDUFA6	5.61E-06	-0.284	0.23	0.45	0.089588	MS.Trt_vs_MS.NoTrt_F
RALGAPB	5.61E-06	-0.2993	0.18	0.38	0.089659	MS.Trt_vs_MS.NoTrt_F
SLC44A5	5.64E-06	0.49139	0.817	0.83	0.090063	MS.Trt_vs_MS.NoTrt_F
INTS9	5.65E-06	-0.8819	0.112	0.28	0.090264	MS.Trt_vs_MS.NoTrt_F
LBH	5.65E-06	-0.3713	0.651	0.82	0.090301	MS.Trt_vs_MS.NoTrt_F
RPL13A	5.66E-06	-0.2924	0.813	0.99	0.090343	MS.Trt_vs_MS.NoTrt_F
POLR2I	5.82E-06	-0.4556	0.133	0.31	0.092904	MS.Trt_vs_MS.NoTrt_F
CHCHD3	5.97E-06	-0.7049	0.129	0.3	0.09528	MS.Trt_vs_MS.NoTrt_F
NFATC3	6.13E-06	-0.2793	0.629	0.77	0.097876	MS.Trt_vs_MS.NoTrt_F
PCGF3	6.13E-06	-0.6277	0.173	0.36	0.097973	MS.Trt_vs_MS.NoTrt_F
FBXW5	6.24E-06	-0.3098	0.194	0.4	0.099735	MS.Trt_vs_MS.NoTrt_F
TCERG1	6.30E-06	-0.345	0.248	0.46	0.100566	MS.Trt_vs_MS.NoTrt_F
BTLA	6.35E-06	1.10494	0.122	0.28	0.101419	MS.Trt_vs_MS.NoTrt_F
NEBL	6.40E-06	-0.9706	0.216	0.42	0.102189	MS.Trt_vs_MS.NoTrt_F
ACLY	6.61E-06	-0.4883	0.201	0.4	0.105529	MS.Trt_vs_MS.NoTrt_F
UTRN	6.70E-06	-0.6076	0.421	0.62	0.106951	MS.Trt_vs_MS.NoTrt_F
BST2	6.72E-06	-0.4297	0.155	0.34	0.107345	MS.Trt_vs_MS.NoTrt_F

PRRC2B	6.79E-06	-0.5413	0.245	0.46	0.108385	MS.Trt_vs_MS.NoTrt_F
EPHB4	6.85E-06	0.66496	0.813	0.8	0.109483	MS.Trt_vs_MS.NoTrt_F
RNF20	6.89E-06	-1.0145	0.122	0.29	0.10999	MS.Trt_vs_MS.NoTrt_F
UBXN11	6.98E-06	-0.2939	0.173	0.37	0.111416	MS.Trt_vs_MS.NoTrt_F
PTP4A1	7.02E-06	-0.3228	0.198	0.4	0.1122	MS.Trt_vs_MS.NoTrt_F
COX10	7.24E-06	-0.9099	0.101	0.26	0.115716	MS.Trt_vs_MS.NoTrt_F
NDUFC1	7.30E-06	0.33226	0.191	0.4	0.116546	MS.Trt_vs_MS.NoTrt_F
RASA1	7.30E-06	-0.6371	0.191	0.38	0.116581	MS.Trt_vs_MS.NoTrt_F
SF3A1	7.36E-06	-0.4883	0.277	0.48	0.117534	MS.Trt_vs_MS.NoTrt_F
CEP85L	7.42E-06	-0.574	0.219	0.41	0.118447	MS.Trt_vs_MS.NoTrt_F
C2orf91	7.65E-06	-0.3872	0.403	0.59	0.122131	MS.Trt_vs_MS.NoTrt_F
HDAC3	7.70E-06	-0.4094	0.122	0.29	0.122918	MS.Trt_vs_MS.NoTrt_F
CD7	7.70E-06	-0.3937	0.219	0.41	0.122991	MS.Trt_vs_MS.NoTrt_F
TADA3	7.87E-06	-0.7092	0.529	0.74	0.125733	MS.Trt_vs_MS.NoTrt_F
GIMAP1	7.88E-06	-0.5206	0.378	0.58	0.125801	MS.Trt_vs_MS.NoTrt_F
AKAP8L	7.89E-06	-0.7831	0.097	0.25	0.126069	MS.Trt_vs_MS.NoTrt_F
UQCRFS1	7.89E-06	-0.4252	0.194	0.39	0.126101	MS.Trt_vs_MS.NoTrt_F
YJEFN3	7.90E-06	-2.4733	0.054	0.18	0.126217	MS.Trt_vs_MS.NoTrt_F
SRA1	8.00E-06	-0.5322	0.126	0.29	0.127713	MS.Trt_vs_MS.NoTrt_F
RIN3	8.01E-06	-0.5432	0.176	0.37	0.127893	MS.Trt_vs_MS.NoTrt_F
SNX9	8.23E-06	-0.47	0.14	0.32	0.131455	MS.Trt_vs_MS.NoTrt_F
MKRN2	8.32E-06	-0.9362	0.09	0.24	0.13292	MS.Trt_vs_MS.NoTrt_F
CECR1	8.44E-06	-1.0564	0.363	0.59	0.134874	MS.Trt_vs_MS.NoTrt_F
HAX1	8.86E-06	-0.2697	0.18	0.38	0.141596	MS.Trt_vs_MS.NoTrt_F
SAMD9	8.94E-06	-0.5043	0.147	0.33	0.142743	MS.Trt_vs_MS.NoTrt_F
IL21R	8.94E-06	-0.6075	0.522	0.75	0.142877	MS.Trt_vs_MS.NoTrt_F
TMX2	9.02E-06	-0.596	0.115	0.28	0.144028	MS.Trt_vs_MS.NoTrt_F
TTC14	9.18E-06	-0.7947	0.353	0.54	0.1466	MS.Trt_vs_MS.NoTrt_F
MPC1	9.27E-06	-0.508	0.119	0.28	0.148081	MS.Trt_vs_MS.NoTrt_F
ACBD6	9.40E-06	-0.3147	0.335	0.55	0.150128	MS.Trt_vs_MS.NoTrt_F
OTUD5	9.47E-06	-0.2926	0.137	0.32	0.151303	MS.Trt_vs_MS.NoTrt_F
NUTF2	9.53E-06	-0.325	0.169	0.35	0.152187	MS.Trt_vs_MS.NoTrt_F
ST8SIA3	9.56E-06	-0.3519	0.112	0.27	0.15267	MS.Trt_vs_MS.NoTrt_F
SOCS3	9.88E-06	-0.4605	0.14	0.32	0.157867	MS.Trt_vs_MS.NoTrt_F
ZNF331	1.00E-05	-0.8128	0.615	0.78	0.160022	MS.Trt_vs_MS.NoTrt_F
CLASRP	1.00E-05	-1.3558	0.147	0.32	0.160156	MS.Trt_vs_MS.NoTrt_F
HSPE1	1.01E-05	-0.2634	0.259	0.46	0.160722	MS.Trt_vs_MS.NoTrt_F
RANBP2	1.01E-05	-0.3854	0.349	0.6	0.162061	MS.Trt_vs_MS.NoTrt_F
MYL12B	1.02E-05	-0.288	0.489	0.75	0.163259	MS.Trt_vs_MS.NoTrt_F
SMYD3	1.04E-05	-0.7628	0.147	0.33	0.165681	MS.Trt_vs_MS.NoTrt_F

JRK	1.04E-05	-1.4194	0.353	0.55	0.165867	MS.Trt_vs_MS.NoTrt_F
GLTSCR1L	1.04E-05	-0.428	0.173	0.37	0.166405	MS.Trt_vs_MS.NoTrt_F
ATG4B	1.04E-05	-0.5422	0.183	0.38	0.166529	MS.Trt_vs_MS.NoTrt_F
ACAD11	1.05E-05	-0.6811	0.165	0.35	0.167052	MS.Trt_vs_MS.NoTrt_F
ITPA	1.11E-05	-0.3754	0.151	0.33	0.177926	MS.Trt_vs_MS.NoTrt_F
PSMG2	1.14E-05	-0.2719	0.165	0.35	0.181879	MS.Trt_vs_MS.NoTrt_F
IRF2	1.15E-05	-0.6034	0.32	0.53	0.184467	MS.Trt_vs_MS.NoTrt_F
MAPK10	1.16E-05	-0.2941	0.155	0.33	0.184931	MS.Trt_vs_MS.NoTrt_F
LRRC37B	1.16E-05	0.39094	0.583	0.8	0.185224	MS.Trt_vs_MS.NoTrt_F
UBAP1	1.17E-05	-0.4615	0.133	0.3	0.186689	MS.Trt_vs_MS.NoTrt_F
CAMK4	1.20E-05	-0.3033	0.586	0.76	0.191814	MS.Trt_vs_MS.NoTrt_F
NSMAF	1.20E-05	-0.4508	0.198	0.39	0.191995	MS.Trt_vs_MS.NoTrt_F
TOMM20	1.21E-05	-0.3899	0.194	0.38	0.193445	MS.Trt_vs_MS.NoTrt_F
TCP11L2	1.25E-05	-0.8501	0.248	0.42	0.19992	MS.Trt_vs_MS.NoTrt_F
KLF6	1.29E-05	-0.319	0.68	0.87	0.205321	MS.Trt_vs_MS.NoTrt_F
MUC15	1.31E-05	-0.3522	0.104	0.25	0.209651	MS.Trt_vs_MS.NoTrt_F
CHKB	1.35E-05	-0.5026	0.245	0.44	0.216175	MS.Trt_vs_MS.NoTrt_F
LIMK2	1.35E-05	-0.3477	0.187	0.38	0.216263	MS.Trt_vs_MS.NoTrt_F
ZNF281	1.37E-05	-0.9774	0.094	0.24	0.218283	MS.Trt_vs_MS.NoTrt_F
PHF14	1.37E-05	-1.1339	0.119	0.28	0.218961	MS.Trt_vs_MS.NoTrt_F
PPP6R2	1.38E-05	-0.3936	0.288	0.5	0.220395	MS.Trt_vs_MS.NoTrt_F
ARRDC5	1.39E-05	-0.3387	0.097	0.25	0.221865	MS.Trt_vs_MS.NoTrt_F
TAF1C	1.46E-05	-1.0033	0.108	0.27	0.232549	MS.Trt_vs_MS.NoTrt_F
TIFA	1.49E-05	-0.3176	0.104	0.27	0.237448	MS.Trt_vs_MS.NoTrt_F
NIM1K	1.49E-05	0.41583	0.799	0.62	0.238309	MS.Trt_vs_MS.NoTrt_F
PISD	1.51E-05	-0.3669	0.119	0.28	0.240679	MS.Trt_vs_MS.NoTrt_F
KIAA0141	1.51E-05	-0.6194	0.133	0.3	0.241818	MS.Trt_vs_MS.NoTrt_F
YWHAG	1.54E-05	-0.626	0.119	0.28	0.245747	MS.Trt_vs_MS.NoTrt_F
CD3G	1.54E-05	0.88709	0.953	0.98	0.246445	MS.Trt_vs_MS.NoTrt_F
HNF4G	1.55E-05	-0.3148	0.223	0.41	0.246809	MS.Trt_vs_MS.NoTrt_F
RARA	1.56E-05	-0.8803	0.108	0.26	0.248551	MS.Trt_vs_MS.NoTrt_F
PNPLA6	1.59E-05	0.25931	0.122	0.29	0.25372	MS.Trt_vs_MS.NoTrt_F
PTTG1IP	1.61E-05	-0.282	0.158	0.34	0.257901	MS.Trt_vs_MS.NoTrt_F
GDF5OS	1.62E-05	-0.3288	0.299	0.49	0.258425	MS.Trt_vs_MS.NoTrt_F
DNAH1	1.62E-05	-0.4998	0.129	0.3	0.259221	MS.Trt_vs_MS.NoTrt_F
EPSTI1	1.63E-05	-0.5271	0.14	0.32	0.259684	MS.Trt_vs_MS.NoTrt_F
SAMD9L	1.64E-05	-0.3602	0.162	0.34	0.261585	MS.Trt_vs_MS.NoTrt_F
TMEM55A	1.64E-05	-1.459	0.068	0.2	0.262234	MS.Trt_vs_MS.NoTrt_F
RASA4	1.67E-05	0.25124	0.586	0.81	0.26604	MS.Trt_vs_MS.NoTrt_F
MAPK6	1.67E-05	0.75499	0.421	0.59	0.267054	MS.Trt_vs_MS.NoTrt_F

STIM2	1.69E-05	-0.3947	0.137	0.3	0.269167	MS.Trt_vs_MS.NoTrt_F
GCN1	1.70E-05	-1.0178	0.119	0.28	0.272288	MS.Trt_vs_MS.NoTrt_F
PGM2	1.72E-05	-0.4546	0.108	0.27	0.275292	MS.Trt_vs_MS.NoTrt_F
MRPL28	1.72E-05	-0.8364	0.104	0.25	0.275319	MS.Trt_vs_MS.NoTrt_F
4-Sep	1.73E-05	0.32054	0.331	0.5	0.276835	MS.Trt_vs_MS.NoTrt_F
PRKACB	1.74E-05	-0.4112	0.216	0.41	0.277414	MS.Trt_vs_MS.NoTrt_F
HSPA4	1.79E-05	-0.6283	0.349	0.53	0.286693	MS.Trt_vs_MS.NoTrt_F
LDLRAD4	1.87E-05	-0.6048	0.353	0.55	0.298788	MS.Trt_vs_MS.NoTrt_F
VAMP2	1.92E-05	-0.3803	0.367	0.61	0.306709	MS.Trt_vs_MS.NoTrt_F
HP1BP3	1.94E-05	-0.3043	0.82	0.93	0.309763	MS.Trt_vs_MS.NoTrt_F
PREP	1.95E-05	-0.285	0.104	0.26	0.311993	MS.Trt_vs_MS.NoTrt_F
2-Sep	1.98E-05	-0.2586	0.874	0.93	0.316462	MS.Trt_vs_MS.NoTrt_F
RRN3	2.04E-05	0.38972	0.263	0.48	0.325839	MS.Trt_vs_MS.NoTrt_F
MAP1LC3B2	2.06E-05	0.43451	0.237	0.45	0.32893	MS.Trt_vs_MS.NoTrt_F
WDR70	2.08E-05	-0.6303	0.234	0.43	0.331777	MS.Trt_vs_MS.NoTrt_F
ELP2	2.09E-05	-0.4969	0.572	0.74	0.333569	MS.Trt_vs_MS.NoTrt_F
JUND	2.12E-05	-0.3849	0.32	0.53	0.338499	MS.Trt_vs_MS.NoTrt_F
SUCLG2	2.13E-05	-0.367	0.194	0.38	0.339621	MS.Trt_vs_MS.NoTrt_F
SUCO	2.13E-05	-0.9239	0.104	0.25	0.340773	MS.Trt_vs_MS.NoTrt_F
AMDHD2	2.15E-05	-1.319	0.086	0.23	0.34399	MS.Trt_vs_MS.NoTrt_F
PRPF18	2.17E-05	-0.7354	0.112	0.27	0.346144	MS.Trt_vs_MS.NoTrt_F
NPIP8	2.18E-05	-0.374	0.108	0.26	0.347646	MS.Trt_vs_MS.NoTrt_F
MSN	2.19E-05	-0.3399	0.55	0.75	0.349096	MS.Trt_vs_MS.NoTrt_F
PPFIBP2	2.19E-05	-0.9859	0.169	0.34	0.349867	MS.Trt_vs_MS.NoTrt_F
NBEAL2	2.19E-05	-0.3401	0.216	0.41	0.350212	MS.Trt_vs_MS.NoTrt_F
CCDC13	2.22E-05	-0.6833	0.259	0.47	0.354247	MS.Trt_vs_MS.NoTrt_F
EXOC4	2.22E-05	-0.5148	0.486	0.69	0.354764	MS.Trt_vs_MS.NoTrt_F
NFRKB	2.23E-05	-0.4839	0.133	0.3	0.355449	MS.Trt_vs_MS.NoTrt_F
CABIN1	2.26E-05	-0.4768	0.223	0.41	0.361639	MS.Trt_vs_MS.NoTrt_F
EFCAB6	2.29E-05	-0.2511	0.349	0.56	0.365047	MS.Trt_vs_MS.NoTrt_F
MRPS2	2.29E-05	-1.479	0.072	0.2	0.365325	MS.Trt_vs_MS.NoTrt_F
PPP4R3B	2.29E-05	-0.3438	0.403	0.58	0.365617	MS.Trt_vs_MS.NoTrt_F
FAM84B	2.34E-05	-0.8869	0.054	0.18	0.373479	MS.Trt_vs_MS.NoTrt_F
FXN	2.37E-05	-0.4542	0.158	0.33	0.37864	MS.Trt_vs_MS.NoTrt_F
NME3	2.38E-05	-0.433	0.108	0.26	0.379843	MS.Trt_vs_MS.NoTrt_F
SMNDC1	2.39E-05	-0.6791	0.126	0.29	0.382303	MS.Trt_vs_MS.NoTrt_F
ARHGEF5	2.41E-05	-0.4162	0.101	0.25	0.38457	MS.Trt_vs_MS.NoTrt_F
RPTOR	2.41E-05	0.32046	0.338	0.53	0.385357	MS.Trt_vs_MS.NoTrt_F
GPR183	2.45E-05	-0.3655	0.371	0.59	0.39073	MS.Trt_vs_MS.NoTrt_F
HEATR1	2.47E-05	0.47126	0.137	0.3	0.395035	MS.Trt_vs_MS.NoTrt_F

PPM1M	2.48E-05	-0.4465	0.14	0.31	0.396015	MS.Trt_vs_MS.NoTrt_F
DDX28	2.49E-05	-1.3213	0.061	0.19	0.39729	MS.Trt_vs_MS.NoTrt_F
SEPHS2	2.57E-05	-0.6205	0.108	0.26	0.410888	MS.Trt_vs_MS.NoTrt_F
WNT7B	2.57E-05	-0.3412	0.259	0.45	0.411304	MS.Trt_vs_MS.NoTrt_F
CNOT11	2.58E-05	-1.0437	0.119	0.27	0.411926	MS.Trt_vs_MS.NoTrt_F
SLC39A10	2.59E-05	-0.4648	0.176	0.36	0.4143	MS.Trt_vs_MS.NoTrt_F
TRPC4AP	2.59E-05	-0.2949	0.259	0.46	0.414404	MS.Trt_vs_MS.NoTrt_F
ZNF592	2.64E-05	-0.3833	0.158	0.34	0.421216	MS.Trt_vs_MS.NoTrt_F
ZDHHC5	2.66E-05	-0.3675	0.108	0.26	0.424948	MS.Trt_vs_MS.NoTrt_F
FTSJ3	2.67E-05	-0.2957	0.09	0.23	0.425729	MS.Trt_vs_MS.NoTrt_F
FIP1L1	2.67E-05	-0.5	0.223	0.41	0.425772	MS.Trt_vs_MS.NoTrt_F
OXLD1	2.67E-05	-0.4688	0.108	0.26	0.426083	MS.Trt_vs_MS.NoTrt_F
NBAS	2.69E-05	-0.4168	0.158	0.33	0.429602	MS.Trt_vs_MS.NoTrt_F
EBAG9	2.70E-05	-0.5069	0.094	0.24	0.431817	MS.Trt_vs_MS.NoTrt_F
CCT4	2.75E-05	-0.3916	0.241	0.43	0.438738	MS.Trt_vs_MS.NoTrt_F
MAP3K4	2.76E-05	-0.4802	0.158	0.33	0.440863	MS.Trt_vs_MS.NoTrt_F
PCDH10	2.77E-05	-0.3984	0.122	0.27	0.442086	MS.Trt_vs_MS.NoTrt_F
MPZL3	2.77E-05	-1.031	0.633	0.76	0.442551	MS.Trt_vs_MS.NoTrt_F
LDHA	2.78E-05	-0.3678	0.655	0.81	0.444611	MS.Trt_vs_MS.NoTrt_F
CHURC1	2.79E-05	0.38271	0.629	0.82	0.445407	MS.Trt_vs_MS.NoTrt_F
LRFN1	2.79E-05	-1.0062	0.108	0.25	0.446401	MS.Trt_vs_MS.NoTrt_F
KCNA3	2.83E-05	-0.3673	0.216	0.41	0.451614	MS.Trt_vs_MS.NoTrt_F
TMEM35B	2.83E-05	-0.4044	0.162	0.34	0.451981	MS.Trt_vs_MS.NoTrt_F
MMADHC	2.85E-05	-0.2826	0.356	0.54	0.455708	MS.Trt_vs_MS.NoTrt_F
ATOX1	2.85E-05	-0.261	0.212	0.39	0.455883	MS.Trt_vs_MS.NoTrt_F
TMEM147	2.87E-05	0.25593	0.133	0.3	0.458314	MS.Trt_vs_MS.NoTrt_F
HEATR5B	2.87E-05	-0.2545	0.349	0.58	0.459021	MS.Trt_vs_MS.NoTrt_F
DCTN1	2.91E-05	-0.3892	0.216	0.4	0.464282	MS.Trt_vs_MS.NoTrt_F
VAMP7	2.95E-05	-0.4623	0.094	0.24	0.470785	MS.Trt_vs_MS.NoTrt_F
CCDC186	2.95E-05	-0.3083	0.568	0.71	0.470887	MS.Trt_vs_MS.NoTrt_F
CORO7-PAN	2.95E-05	-0.7254	0.101	0.25	0.470892	MS.Trt_vs_MS.NoTrt_F
IL7	2.99E-05	-0.9054	0.076	0.21	0.4783	MS.Trt_vs_MS.NoTrt_F
PPP2R1A	3.01E-05	-0.4788	0.64	0.8	0.480816	MS.Trt_vs_MS.NoTrt_F
TCHP	3.07E-05	-0.5687	0.446	0.62	0.489758	MS.Trt_vs_MS.NoTrt_F
HACD3	3.07E-05	-0.7375	0.665	0.81	0.489822	MS.Trt_vs_MS.NoTrt_F
PINLYP	3.10E-05	-0.2866	0.511	0.69	0.494454	MS.Trt_vs_MS.NoTrt_F
RIOK1	3.11E-05	-0.7069	0.09	0.23	0.496573	MS.Trt_vs_MS.NoTrt_F
SSNA1	3.11E-05	-0.3889	0.14	0.31	0.496763	MS.Trt_vs_MS.NoTrt_F
SGPP1	3.15E-05	0.43412	0.086	0.23	0.503202	MS.Trt_vs_MS.NoTrt_F
KPNB1	3.15E-05	-0.6843	0.644	0.74	0.503335	MS.Trt_vs_MS.NoTrt_F

FAM13B	3.16E-05	-0.8054	0.367	0.54	0.505002	MS.Trt_vs_MS.NoTrt_F
SNRK	3.19E-05	-0.7091	0.45	0.63	0.508822	MS.Trt_vs_MS.NoTrt_F
TTC31	3.22E-05	-1.1864	0.187	0.35	0.515051	MS.Trt_vs_MS.NoTrt_F
RAN	3.25E-05	-0.3387	0.371	0.58	0.518658	MS.Trt_vs_MS.NoTrt_F
DTNBP1	3.26E-05	-0.7353	0.086	0.23	0.520053	MS.Trt_vs_MS.NoTrt_F
NUP205	3.29E-05	-1.2624	0.147	0.31	0.525707	MS.Trt_vs_MS.NoTrt_F
PHF3	3.30E-05	-0.2711	0.403	0.6	0.52638	MS.Trt_vs_MS.NoTrt_F
MARVELD2	3.31E-05	-0.2627	0.536	0.72	0.528751	MS.Trt_vs_MS.NoTrt_F
ARL17B	3.38E-05	0.28835	0.712	0.85	0.54019	MS.Trt_vs_MS.NoTrt_F
PICALM	3.44E-05	-0.4733	0.201	0.39	0.549592	MS.Trt_vs_MS.NoTrt_F
RCBTB2	3.47E-05	-0.329	0.115	0.27	0.554825	MS.Trt_vs_MS.NoTrt_F
CERK	3.50E-05	-0.4504	0.439	0.63	0.55931	MS.Trt_vs_MS.NoTrt_F
THAP7	3.55E-05	-0.6809	0.112	0.26	0.566992	MS.Trt_vs_MS.NoTrt_F
HNRNPL	3.57E-05	0.50651	0.809	0.75	0.569774	MS.Trt_vs_MS.NoTrt_F
ZDHC3	3.60E-05	-0.5475	0.435	0.63	0.575376	MS.Trt_vs_MS.NoTrt_F
TUSC3	3.61E-05	-0.3477	0.367	0.54	0.576161	MS.Trt_vs_MS.NoTrt_F
HIVEP2	3.66E-05	-0.6466	0.23	0.4	0.58535	MS.Trt_vs_MS.NoTrt_F
OST4	3.67E-05	0.28355	0.36	0.66	0.586368	MS.Trt_vs_MS.NoTrt_F
CP	3.82E-05	1.16025	0.122	0.27	0.610095	MS.Trt_vs_MS.NoTrt_F
DDX50	3.87E-05	-0.2948	0.183	0.37	0.618282	MS.Trt_vs_MS.NoTrt_F
PAN3	3.91E-05	0.26111	0.856	0.95	0.624506	MS.Trt_vs_MS.NoTrt_F
TRMT13	3.91E-05	-0.3513	0.129	0.29	0.624928	MS.Trt_vs_MS.NoTrt_F
HLA-A	4.01E-05	-0.367	0.748	0.92	0.639955	MS.Trt_vs_MS.NoTrt_F
ARRDC2	4.03E-05	-0.3576	0.126	0.28	0.643673	MS.Trt_vs_MS.NoTrt_F
RB1	4.03E-05	-0.8223	0.129	0.29	0.644079	MS.Trt_vs_MS.NoTrt_F
C1orf123	4.07E-05	-0.7373	0.137	0.29	0.650355	MS.Trt_vs_MS.NoTrt_F
ATF6	4.10E-05	-0.4372	0.201	0.38	0.654154	MS.Trt_vs_MS.NoTrt_F
INF2	4.12E-05	-0.3306	0.198	0.38	0.658567	MS.Trt_vs_MS.NoTrt_F
REXO4	4.14E-05	-1.2415	0.068	0.19	0.661992	MS.Trt_vs_MS.NoTrt_F
ZFP36L1	4.15E-05	0.99988	0.759	0.76	0.662708	MS.Trt_vs_MS.NoTrt_F
ATP6V0E2	4.15E-05	-0.4941	0.187	0.37	0.662854	MS.Trt_vs_MS.NoTrt_F
SETD1B	4.15E-05	-0.4712	0.126	0.28	0.663252	MS.Trt_vs_MS.NoTrt_F
CLIP4	4.17E-05	-1.4915	0.09	0.23	0.665403	MS.Trt_vs_MS.NoTrt_F
SLC16A6	4.17E-05	0.33995	0.23	0.41	0.666723	MS.Trt_vs_MS.NoTrt_F
RTFDC1	4.18E-05	-0.4222	0.183	0.36	0.667985	MS.Trt_vs_MS.NoTrt_F
SF3B5	4.19E-05	-0.7851	0.097	0.24	0.668605	MS.Trt_vs_MS.NoTrt_F
SUMO2	4.21E-05	-0.397	0.831	0.9	0.672878	MS.Trt_vs_MS.NoTrt_F
CSGALNACT	4.25E-05	-0.3338	0.511	0.69	0.679136	MS.Trt_vs_MS.NoTrt_F
MAP2K3	4.30E-05	-0.8514	0.144	0.3	0.687112	MS.Trt_vs_MS.NoTrt_F
PUM3	4.31E-05	-0.8221	0.129	0.29	0.689024	MS.Trt_vs_MS.NoTrt_F

KIAA1147	4.32E-05	-0.9551	0.072	0.2	0.689479	MS.Trt_vs_MS.NoTrt_F
TRMT2B	4.37E-05	-0.5874	0.594	0.81	0.698009	MS.Trt_vs_MS.NoTrt_F
HSPH1	4.38E-05	-0.3899	0.209	0.4	0.700096	MS.Trt_vs_MS.NoTrt_F
MNAT1	4.42E-05	-0.9016	0.09	0.23	0.706545	MS.Trt_vs_MS.NoTrt_F
RYBP	4.45E-05	-1.0403	0.068	0.19	0.711349	MS.Trt_vs_MS.NoTrt_F
FBXO34	4.46E-05	-0.3991	0.108	0.25	0.71275	MS.Trt_vs_MS.NoTrt_F
ARL13B	4.48E-05	-0.5775	0.158	0.32	0.715322	MS.Trt_vs_MS.NoTrt_F
MTCH2	4.50E-05	-0.6525	0.094	0.23	0.718388	MS.Trt_vs_MS.NoTrt_F
CNOT6	4.53E-05	-0.756	0.094	0.23	0.723598	MS.Trt_vs_MS.NoTrt_F
TRIP12	4.58E-05	-0.4562	0.439	0.6	0.731328	MS.Trt_vs_MS.NoTrt_F
UCKL1	4.60E-05	-0.632	0.122	0.28	0.734812	MS.Trt_vs_MS.NoTrt_F
FAM192A	4.65E-05	0.59268	0.403	0.63	0.742885	MS.Trt_vs_MS.NoTrt_F
MRPS35	4.71E-05	-0.4385	0.112	0.27	0.752127	MS.Trt_vs_MS.NoTrt_F
JAK2	4.74E-05	-0.8099	0.165	0.33	0.756367	MS.Trt_vs_MS.NoTrt_F
DICER1	4.74E-05	-0.3917	0.119	0.28	0.756567	MS.Trt_vs_MS.NoTrt_F
EFR3A	4.75E-05	-0.2812	0.14	0.31	0.759176	MS.Trt_vs_MS.NoTrt_F
MRPL47	4.79E-05	-0.4109	0.079	0.21	0.765223	MS.Trt_vs_MS.NoTrt_F
KPNA2	4.79E-05	-0.5038	0.101	0.24	0.765543	MS.Trt_vs_MS.NoTrt_F
ROMO1	4.82E-05	0.47105	0.162	0.34	0.769717	MS.Trt_vs_MS.NoTrt_F
PDGFA	4.84E-05	-0.5324	0.565	0.68	0.772341	MS.Trt_vs_MS.NoTrt_F
PRPF6	4.87E-05	-0.2995	0.205	0.38	0.77755	MS.Trt_vs_MS.NoTrt_F
ZMYM3	4.87E-05	-0.8183	0.335	0.51	0.777683	MS.Trt_vs_MS.NoTrt_F
RBBP6	4.90E-05	-0.4487	0.151	0.32	0.781994	MS.Trt_vs_MS.NoTrt_F
PRPF31	4.96E-05	-0.2534	0.155	0.33	0.791657	MS.Trt_vs_MS.NoTrt_F
TRPV2	5.11E-05	-0.5664	0.252	0.43	0.816122	MS.Trt_vs_MS.NoTrt_F
ZDHHC13	5.14E-05	0.66805	0.662	0.86	0.820752	MS.Trt_vs_MS.NoTrt_F
SLC38A1	5.15E-05	-0.2651	0.73	0.87	0.823392	MS.Trt_vs_MS.NoTrt_F
TBC1D5	5.16E-05	-0.558	0.536	0.7	0.824143	MS.Trt_vs_MS.NoTrt_F
RSRP1	5.19E-05	-0.3998	0.91	0.97	0.829501	MS.Trt_vs_MS.NoTrt_F
PPP1R11	5.26E-05	-0.299	0.165	0.34	0.840137	MS.Trt_vs_MS.NoTrt_F
MTFP1	5.28E-05	-0.646	0.14	0.3	0.843973	MS.Trt_vs_MS.NoTrt_F
DENND4B	5.30E-05	-0.7485	0.173	0.34	0.846568	MS.Trt_vs_MS.NoTrt_F
SLC2A4RG	5.39E-05	-0.597	0.079	0.21	0.860858	MS.Trt_vs_MS.NoTrt_F
NUCB1	5.41E-05	-0.2559	0.273	0.47	0.863671	MS.Trt_vs_MS.NoTrt_F
RPL14	5.43E-05	-0.2898	0.968	0.99	0.867658	MS.Trt_vs_MS.NoTrt_F
KAT6A	5.44E-05	-0.4856	0.709	0.85	0.868232	MS.Trt_vs_MS.NoTrt_F
FKBP8	5.46E-05	-0.8539	0.201	0.38	0.872607	MS.Trt_vs_MS.NoTrt_F
CCDC141	5.53E-05	-0.4481	0.647	0.79	0.883353	MS.Trt_vs_MS.NoTrt_F
CDC5L	5.59E-05	-0.3264	0.536	0.74	0.892383	MS.Trt_vs_MS.NoTrt_F
PELI1	5.59E-05	-0.3855	0.169	0.34	0.893515	MS.Trt_vs_MS.NoTrt_F



LSS	5.62E-05	-1.0429	0.119	0.27	0.897169	MS.Trt_vs_MS.NoTrt_F
TTC9C	5.70E-05	-0.293	0.313	0.49	0.909726	MS.Trt_vs_MS.NoTrt_F
FBXL3	5.79E-05	-0.9076	0.129	0.28	0.92457	MS.Trt_vs_MS.NoTrt_F
METTL26	5.79E-05	0.33863	0.176	0.36	0.924924	MS.Trt_vs_MS.NoTrt_F
BTN3A1	5.82E-05	-0.2703	0.64	0.74	0.929046	MS.Trt_vs_MS.NoTrt_F
C1D	5.82E-05	0.25623	0.162	0.34	0.930182	MS.Trt_vs_MS.NoTrt_F
ZYX	5.99E-05	-0.3361	0.291	0.49	0.95636	MS.Trt_vs_MS.NoTrt_F
XPO4	5.99E-05	-0.3263	0.112	0.26	0.956381	MS.Trt_vs_MS.NoTrt_F
NOB1	6.07E-05	-0.5119	0.115	0.27	0.970097	MS.Trt_vs_MS.NoTrt_F
FAM160B2	6.09E-05	-0.4526	0.662	0.83	0.973311	MS.Trt_vs_MS.NoTrt_F
IL24	6.21E-05	-0.9527	0.108	0.25	0.992656	MS.Trt_vs_MS.NoTrt_F
ENTPD4	6.24E-05	-0.4699	0.529	0.72	0.996639	MS.Trt_vs_MS.NoTrt_F
RNF5	6.24E-05	-0.3816	0.122	0.28	0.996656	MS.Trt_vs_MS.NoTrt_F
ASCC3	6.26E-05	0.25402	0.216	0.41	0.999487	MS.Trt_vs_MS.NoTrt_F
PRPS1	6.27E-05	-0.7382	0.119	0.27	1	MS.Trt_vs_MS.NoTrt_F
WBP2	6.31E-05	-0.4215	0.601	0.77	1	MS.Trt_vs_MS.NoTrt_F
DMTF1	6.35E-05	-0.543	0.504	0.67	1	MS.Trt_vs_MS.NoTrt_F
TNIP2	6.51E-05	-0.4371	0.108	0.25	1	MS.Trt_vs_MS.NoTrt_F
AIDA	6.51E-05	-1.2725	0.104	0.24	1	MS.Trt_vs_MS.NoTrt_F
SH2B1	6.55E-05	-0.2717	0.511	0.72	1	MS.Trt_vs_MS.NoTrt_F
ATXN2L	6.56E-05	-0.4578	0.205	0.38	1	MS.Trt_vs_MS.NoTrt_F
ELK3	6.63E-05	-0.7933	0.396	0.58	1	MS.Trt_vs_MS.NoTrt_F
CXXC5	6.65E-05	0.60059	0.446	0.64	1	MS.Trt_vs_MS.NoTrt_F
PPP1CB	6.67E-05	1.2403	0.849	0.84	1	MS.Trt_vs_MS.NoTrt_F
KDM5D	6.67E-05	-2.9248	0.273	0.43	1	MS.Trt_vs_MS.NoTrt_F
TXNRD1	6.70E-05	-1.3035	0.23	0.39	1	MS.Trt_vs_MS.NoTrt_F
PMAIP1	6.79E-05	-0.5268	0.183	0.36	1	MS.Trt_vs_MS.NoTrt_F
UTP14A	6.82E-05	-0.2511	0.158	0.32	1	MS.Trt_vs_MS.NoTrt_F
NR3C2	6.90E-05	-1.2241	0.058	0.17	1	MS.Trt_vs_MS.NoTrt_F
IGSF8	6.96E-05	-0.3034	0.122	0.28	1	MS.Trt_vs_MS.NoTrt_F
PNPLA2	6.97E-05	-0.4456	0.151	0.32	1	MS.Trt_vs_MS.NoTrt_F
MRPL23	7.02E-05	-0.3522	0.108	0.25	1	MS.Trt_vs_MS.NoTrt_F
PQLC3	7.06E-05	-1.0563	0.133	0.28	1	MS.Trt_vs_MS.NoTrt_F
PDE9A	7.25E-05	-0.6903	0.054	0.17	1	MS.Trt_vs_MS.NoTrt_F
MARK3	7.26E-05	-0.4642	0.82	0.95	1	MS.Trt_vs_MS.NoTrt_F
GABRA6	7.31E-05	-0.2502	0.104	0.24	1	MS.Trt_vs_MS.NoTrt_F
CRIP1	7.37E-05	-0.349	0.216	0.39	1	MS.Trt_vs_MS.NoTrt_F
RAB35	7.38E-05	-1.0516	0.151	0.3	1	MS.Trt_vs_MS.NoTrt_F
FBXW7	7.38E-05	0.56184	0.165	0.34	1	MS.Trt_vs_MS.NoTrt_F
CLMP	7.44E-05	-0.9771	0.356	0.53	1	MS.Trt_vs_MS.NoTrt_F

CNDP2	7.45E-05	-0.5777	0.669	0.8	1	MS.Trt_vs_MS.NoTrt_F
ZFAND2B	7.51E-05	-1.054	0.198	0.35	1	MS.Trt_vs_MS.NoTrt_F
GPR63	7.51E-05	-0.3962	0.27	0.47	1	MS.Trt_vs_MS.NoTrt_F
TRIB1	7.54E-05	-1.934	0.068	0.19	1	MS.Trt_vs_MS.NoTrt_F
SRSF1	7.59E-05	-0.2812	0.482	0.66	1	MS.Trt_vs_MS.NoTrt_F
CPQ	7.64E-05	-0.7747	0.313	0.5	1	MS.Trt_vs_MS.NoTrt_F
NUDT2	7.65E-05	-1.5324	0.061	0.18	1	MS.Trt_vs_MS.NoTrt_F
CXorf40A	7.69E-05	-0.4493	0.122	0.27	1	MS.Trt_vs_MS.NoTrt_F
TP53I13	7.85E-05	-0.2797	0.108	0.25	1	MS.Trt_vs_MS.NoTrt_F
BMT2	7.90E-05	-0.6753	0.086	0.22	1	MS.Trt_vs_MS.NoTrt_F
ATP1A1	7.92E-05	-0.2501	0.651	0.81	1	MS.Trt_vs_MS.NoTrt_F
SLITRK2	8.00E-05	-0.2705	0.23	0.39	1	MS.Trt_vs_MS.NoTrt_F
GEMIN4	8.15E-05	-0.6923	0.072	0.19	1	MS.Trt_vs_MS.NoTrt_F
DDX3Y	8.17E-05	-2.0643	0.04	0.14	1	MS.Trt_vs_MS.NoTrt_F
UBR7	8.28E-05	-0.4676	0.112	0.25	1	MS.Trt_vs_MS.NoTrt_F
RBM22	8.29E-05	-0.3215	0.137	0.3	1	MS.Trt_vs_MS.NoTrt_F
MRPL1	8.41E-05	-0.3542	0.129	0.28	1	MS.Trt_vs_MS.NoTrt_F
DBI	8.45E-05	-0.2654	0.194	0.37	1	MS.Trt_vs_MS.NoTrt_F
RRAGA	8.49E-05	-0.3848	0.137	0.29	1	MS.Trt_vs_MS.NoTrt_F
PLG	8.56E-05	-0.6604	0.191	0.34	1	MS.Trt_vs_MS.NoTrt_F
CEP85	8.74E-05	-0.7251	0.112	0.25	1	MS.Trt_vs_MS.NoTrt_F
ATRIP	8.85E-05	-0.511	0.104	0.24	1	MS.Trt_vs_MS.NoTrt_F
MUS81	8.93E-05	-0.2834	0.162	0.33	1	MS.Trt_vs_MS.NoTrt_F
TNFRSF13B	8.98E-05	-1.1769	0.036	0.13	1	MS.Trt_vs_MS.NoTrt_F
PREB	9.02E-05	-0.3354	0.14	0.3	1	MS.Trt_vs_MS.NoTrt_F
UCHL5	9.05E-05	0.46785	0.173	0.34	1	MS.Trt_vs_MS.NoTrt_F
SRP54	9.08E-05	-0.4143	0.252	0.43	1	MS.Trt_vs_MS.NoTrt_F
TLN1	9.08E-05	-0.3449	0.572	0.71	1	MS.Trt_vs_MS.NoTrt_F
C6orf47	9.16E-05	-0.8976	0.09	0.22	1	MS.Trt_vs_MS.NoTrt_F
TTC1	9.16E-05	-0.584	0.201	0.37	1	MS.Trt_vs_MS.NoTrt_F
ASF1A	9.22E-05	0.43851	0.169	0.35	1	MS.Trt_vs_MS.NoTrt_F
REV1	9.31E-05	-0.643	0.137	0.29	1	MS.Trt_vs_MS.NoTrt_F
NOA1	9.37E-05	-0.3196	0.112	0.25	1	MS.Trt_vs_MS.NoTrt_F
CTC-479C5.1	9.38E-05	-0.3874	0.464	0.63	1	MS.Trt_vs_MS.NoTrt_F
HAAO	9.39E-05	0.53897	0.086	0.22	1	MS.Trt_vs_MS.NoTrt_F
SLC2A6	9.59E-05	-1.0133	0.216	0.38	1	MS.Trt_vs_MS.NoTrt_F
SYNRG	9.69E-05	-0.6104	0.928	0.97	1	MS.Trt_vs_MS.NoTrt_F
RPL34	9.74E-05	0.61861	0.95	0.98	1	MS.Trt_vs_MS.NoTrt_F
GABARAPL2	9.77E-05	-0.4014	0.478	0.66	1	MS.Trt_vs_MS.NoTrt_F
MANBA	9.80E-05	-0.5038	0.169	0.32	1	MS.Trt_vs_MS.NoTrt_F

EXOSC10	9.83E-05	-0.3055	0.802	0.9	1	MS.Trt_vs_MS.NoTrt_F
FAM78A	9.87E-05	-0.8199	0.338	0.51	1	MS.Trt_vs_MS.NoTrt_F
BEX3	9.93E-05	-0.3937	0.115	0.26	1	MS.Trt_vs_MS.NoTrt_F
KCTD7	9.95E-05	-0.6468	0.205	0.37	1	MS.Trt_vs_MS.NoTrt_F
NOL8	1.00E-04	-0.2586	0.191	0.38	1	MS.Trt_vs_MS.NoTrt_F
GABPB1	1.00E-04	0.42667	0.428	0.61	1	MS.Trt_vs_MS.NoTrt_F
FAM193A	1.00E-04	-0.3647	0.266	0.45	1	MS.Trt_vs_MS.NoTrt_F
SASS6	1.01E-04	-0.3681	0.065	0.18	1	MS.Trt_vs_MS.NoTrt_F
KHDRBS1	1.01E-04	0.25506	0.144	0.3	1	MS.Trt_vs_MS.NoTrt_F
SFN	1.01E-04	-0.3873	0.205	0.35	1	MS.Trt_vs_MS.NoTrt_F
NRBP1	1.01E-04	-0.429	0.5	0.67	1	MS.Trt_vs_MS.NoTrt_F
C19orf43	1.02E-04	-0.2782	0.155	0.32	1	MS.Trt_vs_MS.NoTrt_F
TMEM9B	1.02E-04	0.25396	0.209	0.39	1	MS.Trt_vs_MS.NoTrt_F
PHYH	1.03E-04	-0.3072	0.198	0.35	1	MS.Trt_vs_MS.NoTrt_F
RAB7A	1.03E-04	-0.3948	0.345	0.55	1	MS.Trt_vs_MS.NoTrt_F
RNF121	1.03E-04	-0.7082	0.32	0.51	1	MS.Trt_vs_MS.NoTrt_F
GBP1	1.04E-04	-0.3104	0.219	0.4	1	MS.Trt_vs_MS.NoTrt_F
KIAA0196	1.04E-04	-0.4472	0.133	0.28	1	MS.Trt_vs_MS.NoTrt_F
ZNF862	1.05E-04	-0.3128	0.137	0.29	1	MS.Trt_vs_MS.NoTrt_F
TERF2IP	1.06E-04	-0.3628	0.374	0.56	1	MS.Trt_vs_MS.NoTrt_F
SAT1	1.06E-04	-0.5205	0.54	0.76	1	MS.Trt_vs_MS.NoTrt_F
DTX2	1.06E-04	-0.5892	0.371	0.54	1	MS.Trt_vs_MS.NoTrt_F
TPCN2	1.06E-04	-1.6097	0.586	0.75	1	MS.Trt_vs_MS.NoTrt_F
TPP2	1.06E-04	-0.2591	0.439	0.64	1	MS.Trt_vs_MS.NoTrt_F
NEMP1	1.06E-04	-0.7701	0.079	0.2	1	MS.Trt_vs_MS.NoTrt_F
NEK5	1.09E-04	0.44207	0.899	0.86	1	MS.Trt_vs_MS.NoTrt_F
OAT	1.09E-04	-0.7426	0.101	0.23	1	MS.Trt_vs_MS.NoTrt_F
SPNS3	1.09E-04	0.42838	0.068	0.19	1	MS.Trt_vs_MS.NoTrt_F
AP2M1	1.09E-04	-0.4213	0.288	0.48	1	MS.Trt_vs_MS.NoTrt_F
VPS4A	1.09E-04	-0.7433	0.604	0.75	1	MS.Trt_vs_MS.NoTrt_F
MAN1B1	1.10E-04	-0.9378	0.284	0.48	1	MS.Trt_vs_MS.NoTrt_F
COPS3	1.11E-04	-0.6085	0.237	0.41	1	MS.Trt_vs_MS.NoTrt_F
PRPF40A	1.11E-04	-0.3533	0.457	0.63	1	MS.Trt_vs_MS.NoTrt_F
INIP	1.11E-04	-0.2753	0.601	0.81	1	MS.Trt_vs_MS.NoTrt_F
ACIN1	1.12E-04	-0.5745	0.46	0.63	1	MS.Trt_vs_MS.NoTrt_F
MXD4	1.13E-04	0.35095	0.14	0.3	1	MS.Trt_vs_MS.NoTrt_F
TTPA	1.15E-04	-0.3756	0.356	0.54	1	MS.Trt_vs_MS.NoTrt_F
GGA2	1.15E-04	-0.4517	0.629	0.8	1	MS.Trt_vs_MS.NoTrt_F
SIK2	1.16E-04	-0.5142	0.691	0.82	1	MS.Trt_vs_MS.NoTrt_F
TAP2	1.16E-04	-0.5461	0.183	0.34	1	MS.Trt_vs_MS.NoTrt_F

FUCA2	1.16E-04	0.27471	0.288	0.48	1	MS.Trt_vs_MS.NoTrt_F
RBM14-RBM	1.16E-04	-1.098	0.112	0.25	1	MS.Trt_vs_MS.NoTrt_F
ZAP70	1.17E-04	-0.3167	0.442	0.66	1	MS.Trt_vs_MS.NoTrt_F
DIP2A	1.18E-04	-0.5669	0.813	0.87	1	MS.Trt_vs_MS.NoTrt_F
DIP2B	1.18E-04	0.37994	0.309	0.51	1	MS.Trt_vs_MS.NoTrt_F
MRPL18	1.19E-04	0.50547	0.158	0.33	1	MS.Trt_vs_MS.NoTrt_F
EEFSEC	1.19E-04	-1.8484	0.09	0.22	1	MS.Trt_vs_MS.NoTrt_F
RGPD6	1.19E-04	-0.4014	0.522	0.69	1	MS.Trt_vs_MS.NoTrt_F
CNOT2	1.19E-04	-0.3875	0.921	0.96	1	MS.Trt_vs_MS.NoTrt_F
EHD1	1.19E-04	-0.2992	0.291	0.49	1	MS.Trt_vs_MS.NoTrt_F
WDR53	1.19E-04	-0.6081	0.083	0.21	1	MS.Trt_vs_MS.NoTrt_F
UTP18	1.20E-04	-0.6772	0.126	0.27	1	MS.Trt_vs_MS.NoTrt_F
SERINC4	1.21E-04	-1.2327	0.054	0.16	1	MS.Trt_vs_MS.NoTrt_F
TPCN1	1.22E-04	-0.6744	0.335	0.51	1	MS.Trt_vs_MS.NoTrt_F
ERAP2	1.22E-04	-0.7304	0.619	0.77	1	MS.Trt_vs_MS.NoTrt_F
PES1	1.22E-04	-1.1841	0.108	0.24	1	MS.Trt_vs_MS.NoTrt_F
UBE2E1	1.23E-04	-1.3996	0.083	0.2	1	MS.Trt_vs_MS.NoTrt_F
TRAPPC2L	1.23E-04	-0.3408	0.129	0.28	1	MS.Trt_vs_MS.NoTrt_F
STRA13	1.23E-04	0.27851	0.126	0.28	1	MS.Trt_vs_MS.NoTrt_F
PPP2R5D	1.24E-04	-0.2532	0.155	0.32	1	MS.Trt_vs_MS.NoTrt_F
CRYZ	1.27E-04	-0.8424	0.101	0.23	1	MS.Trt_vs_MS.NoTrt_F
TMEM62	1.27E-04	-0.6598	0.223	0.39	1	MS.Trt_vs_MS.NoTrt_F
TMBIM1	1.27E-04	-0.2892	0.529	0.76	1	MS.Trt_vs_MS.NoTrt_F
CDC37L1	1.28E-04	-1.0099	0.101	0.23	1	MS.Trt_vs_MS.NoTrt_F
DEDD2	1.28E-04	-0.2674	0.349	0.53	1	MS.Trt_vs_MS.NoTrt_F
PTTG1	1.28E-04	0.36216	0.126	0.28	1	MS.Trt_vs_MS.NoTrt_F
RAB14	1.29E-04	-0.4468	0.209	0.38	1	MS.Trt_vs_MS.NoTrt_F
AP5S1	1.29E-04	0.94212	0.906	0.8	1	MS.Trt_vs_MS.NoTrt_F
CAPN7	1.30E-04	-0.823	0.46	0.63	1	MS.Trt_vs_MS.NoTrt_F
CTRL	1.31E-04	-0.8196	0.097	0.23	1	MS.Trt_vs_MS.NoTrt_F
PDCD6IP	1.32E-04	-0.2704	0.284	0.46	1	MS.Trt_vs_MS.NoTrt_F
CCDC47	1.33E-04	-0.3486	0.608	0.79	1	MS.Trt_vs_MS.NoTrt_F
ZNF32	1.33E-04	-1.2595	0.068	0.18	1	MS.Trt_vs_MS.NoTrt_F
ZNF79	1.33E-04	-1.298	0.061	0.17	1	MS.Trt_vs_MS.NoTrt_F
TBCA	1.36E-04	-0.3166	0.248	0.41	1	MS.Trt_vs_MS.NoTrt_F
ERVK3-1	1.37E-04	-0.5774	0.295	0.47	1	MS.Trt_vs_MS.NoTrt_F
CMTR1	1.38E-04	-1.1049	0.155	0.3	1	MS.Trt_vs_MS.NoTrt_F
ZNF407	1.39E-04	-0.8502	0.097	0.23	1	MS.Trt_vs_MS.NoTrt_F
SNRPE	1.39E-04	0.82893	0.129	0.28	1	MS.Trt_vs_MS.NoTrt_F
SH3BP1	1.39E-04	-0.9387	0.097	0.23	1	MS.Trt_vs_MS.NoTrt_F

MAL	1.40E-04	-0.341	0.176	0.34	1	MS.Trt_vs_MS.NoTrt_F
NT5C3A	1.40E-04	0.37577	0.212	0.4	1	MS.Trt_vs_MS.NoTrt_F
KBTBD4	1.40E-04	-0.5745	0.076	0.19	1	MS.Trt_vs_MS.NoTrt_F
ARGLU1	1.41E-04	-0.2954	0.655	0.84	1	MS.Trt_vs_MS.NoTrt_F
TREX1	1.42E-04	-0.6496	0.104	0.24	1	MS.Trt_vs_MS.NoTrt_F
HADHB	1.43E-04	-0.3307	0.471	0.62	1	MS.Trt_vs_MS.NoTrt_F
MIF4GD	1.43E-04	-0.3562	0.129	0.28	1	MS.Trt_vs_MS.NoTrt_F
ABHD4	1.44E-04	-0.9121	0.054	0.16	1	MS.Trt_vs_MS.NoTrt_F
CCDC171	1.44E-04	-0.3734	0.414	0.6	1	MS.Trt_vs_MS.NoTrt_F
ITPR2	1.45E-04	-0.6461	0.205	0.37	1	MS.Trt_vs_MS.NoTrt_F
VAC14	1.45E-04	-0.7744	0.094	0.22	1	MS.Trt_vs_MS.NoTrt_F
BAG4	1.45E-04	0.78229	0.169	0.33	1	MS.Trt_vs_MS.NoTrt_F
UFM1	1.46E-04	-0.3483	0.392	0.55	1	MS.Trt_vs_MS.NoTrt_F
POLA1	1.46E-04	-1.3122	0.083	0.2	1	MS.Trt_vs_MS.NoTrt_F
CD84	1.46E-04	-0.4855	0.716	0.8	1	MS.Trt_vs_MS.NoTrt_F
LCMT2	1.46E-04	-0.8036	0.673	0.77	1	MS.Trt_vs_MS.NoTrt_F
TUBGCP2	1.46E-04	-0.4661	0.716	0.83	1	MS.Trt_vs_MS.NoTrt_F
CD5	1.46E-04	-0.2501	0.446	0.66	1	MS.Trt_vs_MS.NoTrt_F
PRMT9	1.47E-04	0.96838	0.198	0.38	1	MS.Trt_vs_MS.NoTrt_F
PKIA	1.49E-04	-0.2854	0.112	0.25	1	MS.Trt_vs_MS.NoTrt_F
DRG2	1.49E-04	-0.6774	0.176	0.34	1	MS.Trt_vs_MS.NoTrt_F
C21orf2	1.49E-04	-0.266	0.126	0.27	1	MS.Trt_vs_MS.NoTrt_F
EDEM2	1.49E-04	-0.3079	0.126	0.27	1	MS.Trt_vs_MS.NoTrt_F
R3HCC1L	1.52E-04	-0.3574	0.281	0.45	1	MS.Trt_vs_MS.NoTrt_F
RNF38	1.52E-04	-0.2768	0.194	0.36	1	MS.Trt_vs_MS.NoTrt_F
BRAP	1.54E-04	-0.3826	0.291	0.47	1	MS.Trt_vs_MS.NoTrt_F
GNB2	1.54E-04	-0.5766	0.496	0.65	1	MS.Trt_vs_MS.NoTrt_F
MED8	1.56E-04	-0.9666	0.094	0.22	1	MS.Trt_vs_MS.NoTrt_F
AHNAK	1.58E-04	-0.281	0.759	0.9	1	MS.Trt_vs_MS.NoTrt_F
C6orf106	1.59E-04	-0.9868	0.119	0.25	1	MS.Trt_vs_MS.NoTrt_F
NOTCH2NL	1.59E-04	-0.3695	0.151	0.3	1	MS.Trt_vs_MS.NoTrt_F
INO80E	1.59E-04	-1.0448	0.158	0.3	1	MS.Trt_vs_MS.NoTrt_F
ERP29	1.60E-04	-0.3031	0.806	0.91	1	MS.Trt_vs_MS.NoTrt_F
TRIM2	1.63E-04	-0.472	0.187	0.34	1	MS.Trt_vs_MS.NoTrt_F
VAMP1	1.64E-04	-0.4686	0.126	0.27	1	MS.Trt_vs_MS.NoTrt_F
PAK2	1.65E-04	-0.3365	0.68	0.86	1	MS.Trt_vs_MS.NoTrt_F
MECP2	1.65E-04	-0.3269	0.917	0.97	1	MS.Trt_vs_MS.NoTrt_F
RUFY1	1.67E-04	-0.8171	0.252	0.41	1	MS.Trt_vs_MS.NoTrt_F
AGAP5	1.67E-04	-1.173	0.076	0.19	1	MS.Trt_vs_MS.NoTrt_F
NDUFB4	1.68E-04	0.50332	0.237	0.44	1	MS.Trt_vs_MS.NoTrt_F

DNAJB9	1.68E-04	-0.5351	0.119	0.26	1	MS.Trt_vs_MS.NoTrt_F
TBC1D2	1.68E-04	-1.2694	0.065	0.18	1	MS.Trt_vs_MS.NoTrt_F
C7orf26	1.68E-04	-0.5739	0.086	0.21	1	MS.Trt_vs_MS.NoTrt_F
ARL6IP1	1.69E-04	-0.299	0.482	0.66	1	MS.Trt_vs_MS.NoTrt_F
RBM14	1.69E-04	-0.2624	0.162	0.32	1	MS.Trt_vs_MS.NoTrt_F
VIM	1.69E-04	-0.3282	0.766	0.9	1	MS.Trt_vs_MS.NoTrt_F
TAF15	1.69E-04	-0.3244	0.18	0.34	1	MS.Trt_vs_MS.NoTrt_F
FAM156B	1.71E-04	0.51903	0.076	0.19	1	MS.Trt_vs_MS.NoTrt_F
RELL2	1.71E-04	-0.4291	0.112	0.25	1	MS.Trt_vs_MS.NoTrt_F
THAP1	1.72E-04	0.79864	0.101	0.23	1	MS.Trt_vs_MS.NoTrt_F
UBE2Q2	1.72E-04	-0.6086	0.119	0.26	1	MS.Trt_vs_MS.NoTrt_F
NPC2	1.73E-04	0.4517	0.101	0.24	1	MS.Trt_vs_MS.NoTrt_F
IGSF9	1.73E-04	-0.6316	0.259	0.41	1	MS.Trt_vs_MS.NoTrt_F
PEPD	1.74E-04	-0.3343	0.144	0.3	1	MS.Trt_vs_MS.NoTrt_F
THG1L	1.77E-04	0.27313	0.54	0.71	1	MS.Trt_vs_MS.NoTrt_F
ZNF831	1.79E-04	-0.3007	0.223	0.4	1	MS.Trt_vs_MS.NoTrt_F
MPHOSPH10	1.80E-04	-0.4535	0.216	0.38	1	MS.Trt_vs_MS.NoTrt_F
CD93	1.82E-04	0.66113	0.176	0.33	1	MS.Trt_vs_MS.NoTrt_F
CCDC28A	1.82E-04	-0.4828	0.155	0.31	1	MS.Trt_vs_MS.NoTrt_F
ABCA7	1.83E-04	0.28198	0.194	0.37	1	MS.Trt_vs_MS.NoTrt_F
TSC22D3	1.84E-04	-0.2743	0.683	0.89	1	MS.Trt_vs_MS.NoTrt_F
HMGXB4	0.00018	-0.808	0.115	0.25	1	MS.Trt_vs_MS.NoTrt_F
LARP4	1.84E-04	-0.4053	0.353	0.51	1	MS.Trt_vs_MS.NoTrt_F
ERP44	1.86E-04	-0.4596	0.27	0.43	1	MS.Trt_vs_MS.NoTrt_F
RAB30	1.87E-04	0.3248	0.263	0.43	1	MS.Trt_vs_MS.NoTrt_F
PDHA1	1.89E-04	-0.3356	0.198	0.37	1	MS.Trt_vs_MS.NoTrt_F
ASNSD1	1.89E-04	0.29119	0.133	0.29	1	MS.Trt_vs_MS.NoTrt_F
MRPL43	1.91E-04	-0.3091	0.104	0.24	1	MS.Trt_vs_MS.NoTrt_F
VPS16	1.93E-04	0.35277	0.133	0.29	1	MS.Trt_vs_MS.NoTrt_F
VPS37A	1.94E-04	-0.6945	0.14	0.28	1	MS.Trt_vs_MS.NoTrt_F
RABGAP1L	1.95E-04	-0.4128	0.835	0.9	1	MS.Trt_vs_MS.NoTrt_F
GOLGA5	1.95E-04	-1.0109	0.126	0.27	1	MS.Trt_vs_MS.NoTrt_F
ZGPAT	1.95E-04	-0.5123	0.112	0.25	1	MS.Trt_vs_MS.NoTrt_F
ZNRD1	1.98E-04	0.36912	0.147	0.3	1	MS.Trt_vs_MS.NoTrt_F
ACSL5	1.99E-04	-0.5883	0.183	0.34	1	MS.Trt_vs_MS.NoTrt_F
TRIP11	2.00E-04	-0.4442	0.511	0.66	1	MS.Trt_vs_MS.NoTrt_F
C16orf54	2.01E-04	1.33361	0.802	0.87	1	MS.Trt_vs_MS.NoTrt_F
CKAP2	2.01E-04	-0.4415	0.122	0.26	1	MS.Trt_vs_MS.NoTrt_F
FH	2.02E-04	-0.5228	0.068	0.18	1	MS.Trt_vs_MS.NoTrt_F
ACTN4	2.02E-04	-0.4298	0.414	0.59	1	MS.Trt_vs_MS.NoTrt_F

LMBRD2	2.02E-04	-0.3295	0.09	0.22	1	MS.Trt_vs_MS.NoTrt_F
DCTN4	2.03E-04	-0.5844	0.288	0.48	1	MS.Trt_vs_MS.NoTrt_F
SH2D3C	2.03E-04	-0.2531	0.183	0.35	1	MS.Trt_vs_MS.NoTrt_F
GBF1	2.03E-04	-0.3919	0.151	0.3	1	MS.Trt_vs_MS.NoTrt_F
RNF6	2.04E-04	-0.7346	0.198	0.35	1	MS.Trt_vs_MS.NoTrt_F
SLC25A44	2.04E-04	0.45875	0.586	0.77	1	MS.Trt_vs_MS.NoTrt_F
DUSP4	2.05E-04	-0.3105	0.277	0.45	1	MS.Trt_vs_MS.NoTrt_F
TATDN1	2.05E-04	-1.3556	0.644	0.76	1	MS.Trt_vs_MS.NoTrt_F
SLC30A3	2.06E-04	-0.315	0.356	0.54	1	MS.Trt_vs_MS.NoTrt_F
LUC7L2	2.07E-04	-0.3826	0.518	0.69	1	MS.Trt_vs_MS.NoTrt_F
MTOR	2.08E-04	-0.5647	0.14	0.29	1	MS.Trt_vs_MS.NoTrt_F
ATXN7L3B	2.08E-04	-0.3884	0.151	0.3	1	MS.Trt_vs_MS.NoTrt_F
ABHD16A	2.10E-04	-0.3471	0.14	0.29	1	MS.Trt_vs_MS.NoTrt_F
LPIN2	2.10E-04	0.25589	0.147	0.3	1	MS.Trt_vs_MS.NoTrt_F
XPC	2.11E-04	-0.2949	0.223	0.39	1	MS.Trt_vs_MS.NoTrt_F
EIF1B	2.11E-04	-0.3977	0.147	0.3	1	MS.Trt_vs_MS.NoTrt_F
DAZAP1	2.12E-04	-0.338	0.126	0.27	1	MS.Trt_vs_MS.NoTrt_F
HS1BP3	2.12E-04	-0.4624	0.119	0.25	1	MS.Trt_vs_MS.NoTrt_F
RCE1	2.17E-04	-0.507	0.086	0.21	1	MS.Trt_vs_MS.NoTrt_F
GADD45GIP	2.19E-04	0.60928	0.155	0.32	1	MS.Trt_vs_MS.NoTrt_F
ILK	2.19E-04	-0.3087	0.187	0.35	1	MS.Trt_vs_MS.NoTrt_F
ZMYND11	2.20E-04	-0.3334	0.108	0.24	1	MS.Trt_vs_MS.NoTrt_F
SLC39A4	2.22E-04	-0.3768	0.331	0.5	1	MS.Trt_vs_MS.NoTrt_F
TUT1	2.23E-04	-0.7325	0.108	0.24	1	MS.Trt_vs_MS.NoTrt_F
SHANK2	2.24E-04	-0.318	0.281	0.45	1	MS.Trt_vs_MS.NoTrt_F
SLC25A36	2.25E-04	-0.5324	0.129	0.27	1	MS.Trt_vs_MS.NoTrt_F
ATP6V1A	2.28E-04	-0.3991	0.518	0.67	1	MS.Trt_vs_MS.NoTrt_F
TLE4	2.29E-04	0.37254	0.14	0.29	1	MS.Trt_vs_MS.NoTrt_F
TFE3	2.29E-04	-0.7618	0.09	0.21	1	MS.Trt_vs_MS.NoTrt_F
UFSP2	2.33E-04	-0.6122	0.122	0.26	1	MS.Trt_vs_MS.NoTrt_F
BAG3	2.34E-04	-0.3812	0.072	0.19	1	MS.Trt_vs_MS.NoTrt_F
SLC46A3	2.39E-04	-0.3185	0.083	0.2	1	MS.Trt_vs_MS.NoTrt_F
PPP1R10	2.39E-04	-0.653	0.478	0.65	1	MS.Trt_vs_MS.NoTrt_F
FADD	2.39E-04	-0.7885	0.09	0.21	1	MS.Trt_vs_MS.NoTrt_F
PBDC1	2.41E-04	0.26339	0.101	0.23	1	MS.Trt_vs_MS.NoTrt_F
C11orf24	2.41E-04	-1.0649	0.194	0.34	1	MS.Trt_vs_MS.NoTrt_F
FAM104A	2.43E-04	0.40855	0.198	0.37	1	MS.Trt_vs_MS.NoTrt_F
BTBD10	2.44E-04	-0.7469	0.137	0.28	1	MS.Trt_vs_MS.NoTrt_F
SUPT7L	2.46E-04	-0.4081	0.403	0.59	1	MS.Trt_vs_MS.NoTrt_F
ALG10	2.49E-04	-1.7512	0.086	0.2	1	MS.Trt_vs_MS.NoTrt_F

DUT	2.49E-04	-0.2519	0.151	0.3	1	MS.Trt_vs_MS.NoTrt_F
NUP210	2.51E-04	-0.4069	0.5	0.67	1	MS.Trt_vs_MS.NoTrt_F
CYP7B1	2.51E-04	0.39627	0.374	0.54	1	MS.Trt_vs_MS.NoTrt_F
CHST6	2.54E-04	0.31791	0.932	0.88	1	MS.Trt_vs_MS.NoTrt_F
INSIG1	2.57E-04	-0.3236	0.165	0.32	1	MS.Trt_vs_MS.NoTrt_F
GOLGA8A	2.58E-04	0.32759	0.399	0.59	1	MS.Trt_vs_MS.NoTrt_F
PPP1R7	2.58E-04	-0.3919	0.162	0.31	1	MS.Trt_vs_MS.NoTrt_F
VPS72	2.59E-04	-0.3554	0.14	0.29	1	MS.Trt_vs_MS.NoTrt_F
SF3B4	2.60E-04	-0.9113	0.169	0.32	1	MS.Trt_vs_MS.NoTrt_F
GNB1L	2.63E-04	-0.451	0.183	0.33	1	MS.Trt_vs_MS.NoTrt_F
TMEM261	2.63E-04	1.0811	0.115	0.25	1	MS.Trt_vs_MS.NoTrt_F
RBM12B	2.66E-04	-0.3046	0.133	0.28	1	MS.Trt_vs_MS.NoTrt_F
LINC01420	2.66E-04	0.62093	0.129	0.28	1	MS.Trt_vs_MS.NoTrt_F
KIAA0556	2.67E-04	-1.3372	0.284	0.45	1	MS.Trt_vs_MS.NoTrt_F
WBP1L	2.67E-04	-1.0701	0.112	0.24	1	MS.Trt_vs_MS.NoTrt_F
SLC35A2	2.68E-04	-0.8826	0.079	0.19	1	MS.Trt_vs_MS.NoTrt_F
DNAJC30	2.68E-04	-0.442	0.234	0.41	1	MS.Trt_vs_MS.NoTrt_F
TMEM79	2.70E-04	-0.5215	0.104	0.23	1	MS.Trt_vs_MS.NoTrt_F
SACM1L	2.70E-04	-0.3629	0.241	0.43	1	MS.Trt_vs_MS.NoTrt_F
THOC6	2.72E-04	-0.5869	0.101	0.23	1	MS.Trt_vs_MS.NoTrt_F
TSNAX	2.74E-04	-0.3683	0.662	0.8	1	MS.Trt_vs_MS.NoTrt_F
TBC1D1	2.76E-04	-0.4634	0.522	0.74	1	MS.Trt_vs_MS.NoTrt_F
PAFAH1B3	2.79E-04	-0.5925	0.094	0.22	1	MS.Trt_vs_MS.NoTrt_F
NREP	2.79E-04	-0.6554	0.137	0.27	1	MS.Trt_vs_MS.NoTrt_F
TAF9B	2.80E-04	-0.5352	0.119	0.25	1	MS.Trt_vs_MS.NoTrt_F
LRIG1	2.80E-04	0.36398	0.191	0.35	1	MS.Trt_vs_MS.NoTrt_F
ESR2	2.80E-04	0.31321	0.493	0.7	1	MS.Trt_vs_MS.NoTrt_F
LGALS8	2.81E-04	-0.5963	0.594	0.75	1	MS.Trt_vs_MS.NoTrt_F
TOPORS	2.84E-04	-0.3443	0.104	0.23	1	MS.Trt_vs_MS.NoTrt_F
TRIM28	2.85E-04	-1.5944	0.09	0.21	1	MS.Trt_vs_MS.NoTrt_F
MFSD6	2.90E-04	-0.9289	0.147	0.29	1	MS.Trt_vs_MS.NoTrt_F
SYCP1	2.90E-04	-0.3708	0.248	0.43	1	MS.Trt_vs_MS.NoTrt_F
TNPO2	2.92E-04	-0.9052	0.151	0.29	1	MS.Trt_vs_MS.NoTrt_F
SERGEF	2.93E-04	-0.3262	0.129	0.27	1	MS.Trt_vs_MS.NoTrt_F
TRIM47	2.94E-04	-0.7628	0.061	0.17	1	MS.Trt_vs_MS.NoTrt_F
DTNB	2.94E-04	-0.292	0.165	0.32	1	MS.Trt_vs_MS.NoTrt_F
GPR108	2.96E-04	-0.4018	0.169	0.32	1	MS.Trt_vs_MS.NoTrt_F
ZNF134	2.96E-04	-1.5856	0.137	0.27	1	MS.Trt_vs_MS.NoTrt_F
NOC4L	2.98E-04	-0.7591	0.076	0.19	1	MS.Trt_vs_MS.NoTrt_F
STAT3	2.98E-04	-0.277	0.795	0.87	1	MS.Trt_vs_MS.NoTrt_F



APOA2	2.99E-04	-0.3131	0.205	0.35	1	MS.Trt_vs_MS.NoTrt_F
RP11-500M8	2.99E-04	0.37853	0.112	0.25	1	MS.Trt_vs_MS.NoTrt_F
BARD1	3.01E-04	0.41214	0.151	0.31	1	MS.Trt_vs_MS.NoTrt_F
NDC1	3.02E-04	-1.1019	0.065	0.17	1	MS.Trt_vs_MS.NoTrt_F
TMEM208	3.09E-04	0.41598	0.137	0.29	1	MS.Trt_vs_MS.NoTrt_F
ZC3H7A	3.13E-04	0.265	0.367	0.56	1	MS.Trt_vs_MS.NoTrt_F
LANCL1	3.13E-04	-0.2675	0.137	0.28	1	MS.Trt_vs_MS.NoTrt_F
ANKMY2	3.14E-04	-0.6401	0.058	0.16	1	MS.Trt_vs_MS.NoTrt_F
ATF7	3.16E-04	-0.3224	0.403	0.58	1	MS.Trt_vs_MS.NoTrt_F
RNF123	3.16E-04	-0.689	0.144	0.29	1	MS.Trt_vs_MS.NoTrt_F
CRLS1	3.17E-04	-0.2549	0.288	0.45	1	MS.Trt_vs_MS.NoTrt_F
HSPE1-MOB	3.19E-04	-0.4791	0.112	0.24	1	MS.Trt_vs_MS.NoTrt_F
PPM1G	3.21E-04	-0.255	0.665	0.82	1	MS.Trt_vs_MS.NoTrt_F
SNED1	3.21E-04	-0.6271	0.144	0.29	1	MS.Trt_vs_MS.NoTrt_F
NOL7	3.21E-04	0.45676	0.191	0.36	1	MS.Trt_vs_MS.NoTrt_F
GLYCTK	3.21E-04	-0.4224	0.101	0.23	1	MS.Trt_vs_MS.NoTrt_F
TXN	3.21E-04	0.29536	0.212	0.39	1	MS.Trt_vs_MS.NoTrt_F
ACAT2	3.25E-04	-1.4281	0.234	0.37	1	MS.Trt_vs_MS.NoTrt_F
OGFOD2	3.25E-04	-0.6314	0.101	0.23	1	MS.Trt_vs_MS.NoTrt_F
HS3ST3A1	3.26E-04	-0.2985	0.076	0.19	1	MS.Trt_vs_MS.NoTrt_F
RGCC	3.26E-04	0.29413	0.317	0.53	1	MS.Trt_vs_MS.NoTrt_F
PARP6	3.32E-04	-0.5042	0.626	0.8	1	MS.Trt_vs_MS.NoTrt_F
POLR2M	3.34E-04	-0.4138	0.158	0.3	1	MS.Trt_vs_MS.NoTrt_F
HNRNPA3	3.35E-04	-0.3012	0.399	0.55	1	MS.Trt_vs_MS.NoTrt_F
CARS	3.36E-04	-0.3425	0.781	0.83	1	MS.Trt_vs_MS.NoTrt_F
CUTC	3.38E-04	-0.5202	0.158	0.3	1	MS.Trt_vs_MS.NoTrt_F
PDIK1L	3.41E-04	-1.056	0.068	0.18	1	MS.Trt_vs_MS.NoTrt_F
MAT2A	3.43E-04	-0.4273	0.151	0.3	1	MS.Trt_vs_MS.NoTrt_F
BCAT1	3.45E-04	0.33971	0.41	0.55	1	MS.Trt_vs_MS.NoTrt_F
AP2S1	3.46E-04	0.48271	0.144	0.3	1	MS.Trt_vs_MS.NoTrt_F
GCC2	3.46E-04	0.26682	0.748	0.9	1	MS.Trt_vs_MS.NoTrt_F
MAP4K1	3.48E-04	-0.4148	0.878	0.94	1	MS.Trt_vs_MS.NoTrt_F
PPP2R2A	3.49E-04	-1.2659	0.129	0.27	1	MS.Trt_vs_MS.NoTrt_F
PTBP2	3.51E-04	0.5395	0.554	0.72	1	MS.Trt_vs_MS.NoTrt_F
S1PR4	3.51E-04	-0.3971	0.147	0.29	1	MS.Trt_vs_MS.NoTrt_F
GGT1	3.51E-04	-0.4369	0.112	0.24	1	MS.Trt_vs_MS.NoTrt_F
HELQ	3.51E-04	-0.6303	0.126	0.27	1	MS.Trt_vs_MS.NoTrt_F
NPIP6	3.52E-04	-0.5432	0.194	0.33	1	MS.Trt_vs_MS.NoTrt_F
SPATA13	3.53E-04	-0.4398	0.46	0.6	1	MS.Trt_vs_MS.NoTrt_F
SLK	3.53E-04	-0.4187	0.176	0.32	1	MS.Trt_vs_MS.NoTrt_F

LMTK2	3.56E-04	0.36844	0.216	0.37	1	MS.Trt_vs_MS.NoTrt_F
GIMAP1-GIM	3.57E-04	-0.4469	0.076	0.19	1	MS.Trt_vs_MS.NoTrt_F
ATAD3B	3.59E-04	-0.5234	0.745	0.89	1	MS.Trt_vs_MS.NoTrt_F
ELF2	3.63E-04	-0.3533	0.626	0.75	1	MS.Trt_vs_MS.NoTrt_F
SDHAF3	3.65E-04	-0.3396	0.076	0.19	1	MS.Trt_vs_MS.NoTrt_F
C5orf51	3.66E-04	-0.715	0.112	0.24	1	MS.Trt_vs_MS.NoTrt_F
GTF2F2	3.69E-04	-0.3352	0.201	0.34	1	MS.Trt_vs_MS.NoTrt_F
FAS	3.69E-04	-0.5074	0.342	0.51	1	MS.Trt_vs_MS.NoTrt_F
PTPN22	3.70E-04	-0.3241	0.356	0.51	1	MS.Trt_vs_MS.NoTrt_F
BACH1	3.72E-04	-0.4391	0.223	0.39	1	MS.Trt_vs_MS.NoTrt_F
EIF3CL	3.77E-04	-0.2897	0.162	0.32	1	MS.Trt_vs_MS.NoTrt_F
CYB5R1	3.78E-04	-1.1826	0.108	0.23	1	MS.Trt_vs_MS.NoTrt_F
WDR77	3.80E-04	-0.6554	0.112	0.24	1	MS.Trt_vs_MS.NoTrt_F
METTL4	3.80E-04	-0.6468	0.112	0.24	1	MS.Trt_vs_MS.NoTrt_F
ACP5	3.82E-04	0.28723	0.14	0.29	1	MS.Trt_vs_MS.NoTrt_F
SRD5A1	3.84E-04	-0.7183	0.59	0.75	1	MS.Trt_vs_MS.NoTrt_F
MT-ND3	3.85E-04	0.42627	0.421	0.67	1	MS.Trt_vs_MS.NoTrt_F
HAUS7	3.85E-04	-1.3293	0.094	0.21	1	MS.Trt_vs_MS.NoTrt_F
TAS2R4	3.85E-04	-0.8202	0.317	0.47	1	MS.Trt_vs_MS.NoTrt_F
CTNBL1	3.86E-04	-0.3002	0.144	0.29	1	MS.Trt_vs_MS.NoTrt_F
SLC41A1	3.87E-04	-0.337	0.104	0.23	1	MS.Trt_vs_MS.NoTrt_F
YTHDF1	3.87E-04	0.26019	0.068	0.18	1	MS.Trt_vs_MS.NoTrt_F
LAPTM5	3.88E-04	-0.2885	0.586	0.76	1	MS.Trt_vs_MS.NoTrt_F
TAF4	3.89E-04	-0.9637	0.126	0.26	1	MS.Trt_vs_MS.NoTrt_F
DHFR2	3.89E-04	0.38928	0.597	0.69	1	MS.Trt_vs_MS.NoTrt_F
MBD1	3.90E-04	-0.4017	0.169	0.32	1	MS.Trt_vs_MS.NoTrt_F
CENPH	3.91E-04	-0.3035	0.255	0.41	1	MS.Trt_vs_MS.NoTrt_F
NDUFA1	3.93E-04	0.26343	0.259	0.45	1	MS.Trt_vs_MS.NoTrt_F
B3GAT2	3.93E-04	0.73021	0.169	0.31	1	MS.Trt_vs_MS.NoTrt_F
RIPK1	3.95E-04	-0.6381	0.158	0.29	1	MS.Trt_vs_MS.NoTrt_F
DMPK	3.97E-04	-0.3426	0.565	0.74	1	MS.Trt_vs_MS.NoTrt_F
MADD	3.98E-04	-0.3044	0.194	0.35	1	MS.Trt_vs_MS.NoTrt_F
CPSF7	4.00E-04	-0.5184	0.187	0.34	1	MS.Trt_vs_MS.NoTrt_F
B3GAT1	4.02E-04	-0.305	0.191	0.35	1	MS.Trt_vs_MS.NoTrt_F
CLPTM1L	4.02E-04	0.72209	0.076	0.19	1	MS.Trt_vs_MS.NoTrt_F
FABP7	4.03E-04	-0.4291	0.133	0.26	1	MS.Trt_vs_MS.NoTrt_F
SETD3	4.05E-04	-0.8622	0.119	0.25	1	MS.Trt_vs_MS.NoTrt_F
KRAS	4.05E-04	-0.3367	0.317	0.48	1	MS.Trt_vs_MS.NoTrt_F
RIPK3	4.08E-04	-0.2973	0.076	0.19	1	MS.Trt_vs_MS.NoTrt_F
AKAP11	4.09E-04	-0.7975	0.194	0.34	1	MS.Trt_vs_MS.NoTrt_F

FARS2	4.14E-04	-1.5259	0.086	0.2	1	MS.Trt_vs_MS.NoTrt_F
EPHB6	4.16E-04	-0.4318	0.101	0.22	1	MS.Trt_vs_MS.NoTrt_F
TMEM38B	4.18E-04	-0.4016	0.176	0.32	1	MS.Trt_vs_MS.NoTrt_F
GPS1	4.20E-04	-0.314	0.14	0.28	1	MS.Trt_vs_MS.NoTrt_F
WAC	4.20E-04	-0.4006	0.417	0.59	1	MS.Trt_vs_MS.NoTrt_F
DOK1	4.21E-04	-0.3584	0.09	0.2	1	MS.Trt_vs_MS.NoTrt_F
BET1L	4.21E-04	-0.3225	0.183	0.33	1	MS.Trt_vs_MS.NoTrt_F
NDE1	4.23E-04	-0.4187	0.723	0.85	1	MS.Trt_vs_MS.NoTrt_F
CKS1B	4.25E-04	0.51081	0.173	0.32	1	MS.Trt_vs_MS.NoTrt_F
MAGED1	4.25E-04	-0.5422	0.633	0.79	1	MS.Trt_vs_MS.NoTrt_F
THRA	4.25E-04	-0.8313	0.104	0.23	1	MS.Trt_vs_MS.NoTrt_F
SNX13	4.26E-04	-0.4012	0.255	0.43	1	MS.Trt_vs_MS.NoTrt_F
SMG5	4.30E-04	-0.3133	0.187	0.34	1	MS.Trt_vs_MS.NoTrt_F
SPSB3	4.32E-04	0.39728	0.266	0.46	1	MS.Trt_vs_MS.NoTrt_F
TNFSF12	4.34E-04	-0.3053	0.09	0.2	1	MS.Trt_vs_MS.NoTrt_F
SPRYD3	4.35E-04	-0.3955	0.155	0.3	1	MS.Trt_vs_MS.NoTrt_F
PHC1	4.36E-04	-0.5897	0.112	0.24	1	MS.Trt_vs_MS.NoTrt_F
APH1A	4.37E-04	-0.3327	0.18	0.33	1	MS.Trt_vs_MS.NoTrt_F
BYSL	4.43E-04	-2.5246	0.061	0.16	1	MS.Trt_vs_MS.NoTrt_F
TUBG2	4.45E-04	-1.0237	0.079	0.19	1	MS.Trt_vs_MS.NoTrt_F
SERPINI1	4.46E-04	-1.6192	0.054	0.15	1	MS.Trt_vs_MS.NoTrt_F
SGTB	4.47E-04	-0.3876	0.633	0.74	1	MS.Trt_vs_MS.NoTrt_F
CD200	4.48E-04	0.94851	0.698	0.53	1	MS.Trt_vs_MS.NoTrt_F
TRMU	4.48E-04	-0.3771	0.216	0.38	1	MS.Trt_vs_MS.NoTrt_F
FAM76B	0.00045	-0.3828	0.101	0.22	1	MS.Trt_vs_MS.NoTrt_F
TCF12	4.52E-04	-0.7002	0.273	0.43	1	MS.Trt_vs_MS.NoTrt_F
ZNF395	4.53E-04	0.31011	0.529	0.67	1	MS.Trt_vs_MS.NoTrt_F
BLCAP	4.57E-04	-0.3873	0.342	0.5	1	MS.Trt_vs_MS.NoTrt_F
DNAJC27	4.61E-04	-0.4223	0.083	0.19	1	MS.Trt_vs_MS.NoTrt_F
PIAS3	4.61E-04	0.27348	0.115	0.25	1	MS.Trt_vs_MS.NoTrt_F
MS4A10	4.62E-04	0.37402	0.773	0.64	1	MS.Trt_vs_MS.NoTrt_F
TMEM42	4.65E-04	-0.5052	0.147	0.28	1	MS.Trt_vs_MS.NoTrt_F
BICD1	4.66E-04	-0.9831	0.086	0.2	1	MS.Trt_vs_MS.NoTrt_F
CSGALNACT	4.66E-04	-0.8068	0.151	0.29	1	MS.Trt_vs_MS.NoTrt_F
PRPSAP2	4.69E-04	-0.697	0.568	0.71	1	MS.Trt_vs_MS.NoTrt_F
USP5	4.73E-04	-0.6044	0.122	0.25	1	MS.Trt_vs_MS.NoTrt_F
SLU7	4.73E-04	-0.5711	0.396	0.55	1	MS.Trt_vs_MS.NoTrt_F
ATP6V1C1	4.75E-04	0.4959	0.439	0.6	1	MS.Trt_vs_MS.NoTrt_F
AMPD2	4.78E-04	-1.1047	0.09	0.2	1	MS.Trt_vs_MS.NoTrt_F
S100A11	4.79E-04	0.40684	0.374	0.62	1	MS.Trt_vs_MS.NoTrt_F

MTRNR2L3	4.81E-04	0.26993	0.41	0.25	1	MS.Trt_vs_MS.NoTrt_F
FOXK2	4.85E-04	-0.5384	0.281	0.42	1	MS.Trt_vs_MS.NoTrt_F
MRPS18A	4.86E-04	0.33598	0.112	0.24	1	MS.Trt_vs_MS.NoTrt_F
ERBIN	4.86E-04	-0.391	0.248	0.41	1	MS.Trt_vs_MS.NoTrt_F
PABPC4	4.89E-04	-0.3945	0.766	0.87	1	MS.Trt_vs_MS.NoTrt_F
ZMYM2	4.90E-04	-0.2989	0.342	0.5	1	MS.Trt_vs_MS.NoTrt_F
EIF2S3	4.91E-04	0.57767	0.957	0.95	1	MS.Trt_vs_MS.NoTrt_F
KIAA0825	4.91E-04	1.34103	0.302	0.47	1	MS.Trt_vs_MS.NoTrt_F
DPM1	4.95E-04	-0.7646	0.101	0.22	1	MS.Trt_vs_MS.NoTrt_F
NCDN	4.99E-04	-0.3609	0.173	0.32	1	MS.Trt_vs_MS.NoTrt_F
ESRRA	5.03E-04	-1.293	0.097	0.21	1	MS.Trt_vs_MS.NoTrt_F
YIPF2	5.06E-04	-0.4512	0.09	0.2	1	MS.Trt_vs_MS.NoTrt_F
SPATA20	5.07E-04	-0.5373	0.094	0.21	1	MS.Trt_vs_MS.NoTrt_F
C5orf15	5.07E-04	0.44091	0.169	0.32	1	MS.Trt_vs_MS.NoTrt_F
SLC35F2	5.08E-04	-0.3549	0.288	0.43	1	MS.Trt_vs_MS.NoTrt_F
ZNF646	5.10E-04	-0.8961	0.072	0.18	1	MS.Trt_vs_MS.NoTrt_F
UBTF	5.11E-04	-0.5336	0.237	0.38	1	MS.Trt_vs_MS.NoTrt_F
NARS2	5.13E-04	-0.7722	0.317	0.49	1	MS.Trt_vs_MS.NoTrt_F
ALDH16A1	5.17E-04	-0.3975	0.626	0.77	1	MS.Trt_vs_MS.NoTrt_F
C15orf39	5.18E-04	-0.6847	0.065	0.17	1	MS.Trt_vs_MS.NoTrt_F
ALKBH7	5.18E-04	-0.2944	0.126	0.26	1	MS.Trt_vs_MS.NoTrt_F
DNAJC11	5.18E-04	-0.5964	0.187	0.33	1	MS.Trt_vs_MS.NoTrt_F
STUB1	5.19E-04	-0.2513	0.097	0.22	1	MS.Trt_vs_MS.NoTrt_F
ZNF746	5.20E-04	0.32618	0.194	0.35	1	MS.Trt_vs_MS.NoTrt_F
FAAP100	5.26E-04	0.50869	0.162	0.32	1	MS.Trt_vs_MS.NoTrt_F
NPHP4	5.31E-04	-0.7115	0.068	0.17	1	MS.Trt_vs_MS.NoTrt_F
MZT1	5.33E-04	-0.5644	0.058	0.16	1	MS.Trt_vs_MS.NoTrt_F
HIPK2	5.40E-04	-0.3235	0.094	0.21	1	MS.Trt_vs_MS.NoTrt_F
SS18L2	5.41E-04	-0.3431	0.345	0.5	1	MS.Trt_vs_MS.NoTrt_F
AC138517.6	5.45E-04	-1.0463	0.097	0.22	1	MS.Trt_vs_MS.NoTrt_F
ZSCAN26	5.45E-04	-1.2114	0.058	0.16	1	MS.Trt_vs_MS.NoTrt_F
ZBTB7B	5.46E-04	-0.5089	0.097	0.21	1	MS.Trt_vs_MS.NoTrt_F
PITPNA	5.47E-04	-1.0272	0.097	0.22	1	MS.Trt_vs_MS.NoTrt_F
SDHAF4	5.47E-04	-0.2762	0.655	0.79	1	MS.Trt_vs_MS.NoTrt_F
NXT1	5.47E-04	-0.7965	0.079	0.19	1	MS.Trt_vs_MS.NoTrt_F
SSX5	5.49E-04	-0.5262	0.137	0.27	1	MS.Trt_vs_MS.NoTrt_F
ARFGEF2	5.51E-04	-0.7787	0.406	0.57	1	MS.Trt_vs_MS.NoTrt_F
CXCR4	5.51E-04	-0.2796	0.27	0.44	1	MS.Trt_vs_MS.NoTrt_F
SLC2A13	5.60E-04	-0.5427	0.266	0.42	1	MS.Trt_vs_MS.NoTrt_F
PEF1	5.60E-04	-0.4294	0.158	0.3	1	MS.Trt_vs_MS.NoTrt_F

KHNYN	5.66E-04	-1.1439	0.083	0.19	1	MS.Trt_vs_MS.NoTrt_F
AGPAT4	5.66E-04	-0.2867	0.097	0.21	1	MS.Trt_vs_MS.NoTrt_F
RPL18A	5.67E-04	0.44979	0.881	0.97	1	MS.Trt_vs_MS.NoTrt_F
ZNF143	5.72E-04	-0.667	0.112	0.23	1	MS.Trt_vs_MS.NoTrt_F
ATP5I	5.73E-04	0.82885	0.255	0.47	1	MS.Trt_vs_MS.NoTrt_F
SCAF11	5.75E-04	0.31973	0.871	0.93	1	MS.Trt_vs_MS.NoTrt_F
RB1CC1	5.78E-04	-0.4194	0.277	0.44	1	MS.Trt_vs_MS.NoTrt_F
CAB39	5.79E-04	0.28517	0.277	0.44	1	MS.Trt_vs_MS.NoTrt_F
SEC14L2	5.82E-04	-0.372	0.122	0.25	1	MS.Trt_vs_MS.NoTrt_F
RACGAP1	5.85E-04	-1.0072	0.086	0.2	1	MS.Trt_vs_MS.NoTrt_F
C12orf10	5.87E-04	-0.4013	0.201	0.35	1	MS.Trt_vs_MS.NoTrt_F
ZEB1	5.89E-04	-0.6342	0.504	0.69	1	MS.Trt_vs_MS.NoTrt_F
NAPRT	5.90E-04	0.34419	0.155	0.3	1	MS.Trt_vs_MS.NoTrt_F
GNPDA1	5.91E-04	-0.3221	0.076	0.18	1	MS.Trt_vs_MS.NoTrt_F
PIBF1	5.91E-04	0.31034	0.14	0.28	1	MS.Trt_vs_MS.NoTrt_F
NUDT16	5.91E-04	-0.6456	0.068	0.17	1	MS.Trt_vs_MS.NoTrt_F
TBC1D15	5.95E-04	-1.6472	0.507	0.66	1	MS.Trt_vs_MS.NoTrt_F
RP11-977G1	5.97E-04	-0.2581	0.065	0.17	1	MS.Trt_vs_MS.NoTrt_F
TG	5.98E-04	-0.7932	0.112	0.23	1	MS.Trt_vs_MS.NoTrt_F
MPHOSPH6	6.00E-04	-0.5224	0.137	0.27	1	MS.Trt_vs_MS.NoTrt_F
EIF2S1	6.01E-04	0.30752	0.252	0.43	1	MS.Trt_vs_MS.NoTrt_F
ATAD3A	6.04E-04	0.36597	0.079	0.19	1	MS.Trt_vs_MS.NoTrt_F
THEM6	6.12E-04	-0.984	0.086	0.19	1	MS.Trt_vs_MS.NoTrt_F
SLC2A3	6.13E-04	-0.2738	0.845	0.93	1	MS.Trt_vs_MS.NoTrt_F
KDM8	6.17E-04	-0.4327	0.076	0.18	1	MS.Trt_vs_MS.NoTrt_F
BCL9	6.18E-04	-0.4016	0.09	0.2	1	MS.Trt_vs_MS.NoTrt_F
AR	6.18E-04	-0.6518	0.187	0.33	1	MS.Trt_vs_MS.NoTrt_F
GPATCH3	6.19E-04	-0.8843	0.068	0.17	1	MS.Trt_vs_MS.NoTrt_F
MAP2K7	6.22E-04	-0.2737	0.594	0.77	1	MS.Trt_vs_MS.NoTrt_F
KIAA1468	6.27E-04	-0.3223	0.295	0.45	1	MS.Trt_vs_MS.NoTrt_F
ATF1	6.33E-04	-1.0417	0.129	0.26	1	MS.Trt_vs_MS.NoTrt_F
ATP13A1	6.33E-04	-0.615	0.32	0.44	1	MS.Trt_vs_MS.NoTrt_F
PSTPIP2	6.35E-04	-0.5775	0.317	0.48	1	MS.Trt_vs_MS.NoTrt_F
KATNAL1	6.35E-04	-0.6279	0.522	0.64	1	MS.Trt_vs_MS.NoTrt_F
FRA10AC1	6.38E-04	0.30736	0.489	0.69	1	MS.Trt_vs_MS.NoTrt_F
LRRC14	6.49E-04	0.30423	0.079	0.19	1	MS.Trt_vs_MS.NoTrt_F
CCDC58	6.58E-04	-0.4048	0.27	0.43	1	MS.Trt_vs_MS.NoTrt_F
B3GALT4	6.60E-04	-1.0302	0.09	0.2	1	MS.Trt_vs_MS.NoTrt_F
CDKN2A	6.60E-04	-0.4086	0.076	0.18	1	MS.Trt_vs_MS.NoTrt_F
VCPKMT	6.66E-04	-1.077	0.101	0.22	1	MS.Trt_vs_MS.NoTrt_F

LNPEP	6.67E-04	-0.3477	0.529	0.67	1	MS.Trt_vs_MS.NoTrt_F
PHF10	6.71E-04	-0.2634	0.09	0.2	1	MS.Trt_vs_MS.NoTrt_F
PTPN2	6.75E-04	-0.6282	0.96	0.98	1	MS.Trt_vs_MS.NoTrt_F
PITRM1	6.75E-04	-0.2892	0.14	0.28	1	MS.Trt_vs_MS.NoTrt_F
MOB2	6.77E-04	-0.6442	0.14	0.27	1	MS.Trt_vs_MS.NoTrt_F
VCPIP1	6.81E-04	-0.389	0.371	0.53	1	MS.Trt_vs_MS.NoTrt_F
CENPT	6.82E-04	-0.2713	0.205	0.37	1	MS.Trt_vs_MS.NoTrt_F
PIGT	6.85E-04	-1.3005	0.097	0.21	1	MS.Trt_vs_MS.NoTrt_F
IDUA	0.00069	-0.6228	0.097	0.21	1	MS.Trt_vs_MS.NoTrt_F
MPP7	6.88E-04	-0.6749	0.266	0.41	1	MS.Trt_vs_MS.NoTrt_F
VIPAS39	6.88E-04	-1.0356	0.083	0.19	1	MS.Trt_vs_MS.NoTrt_F
GLS	6.98E-04	-0.3372	0.637	0.75	1	MS.Trt_vs_MS.NoTrt_F
GNL3	7.08E-04	0.26616	0.137	0.27	1	MS.Trt_vs_MS.NoTrt_F
DDX1	7.11E-04	0.50084	0.133	0.27	1	MS.Trt_vs_MS.NoTrt_F
NHLRC3	7.20E-04	0.25246	0.345	0.5	1	MS.Trt_vs_MS.NoTrt_F
ARPC4-TTLL	7.22E-04	0.32018	0.126	0.25	1	MS.Trt_vs_MS.NoTrt_F
ATF4	7.22E-04	-0.3638	0.155	0.29	1	MS.Trt_vs_MS.NoTrt_F
NOP14	7.22E-04	-1.4609	0.392	0.55	1	MS.Trt_vs_MS.NoTrt_F
CHKB-CPT1E	7.23E-04	-1.1268	0.036	0.12	1	MS.Trt_vs_MS.NoTrt_F
MMGT1	7.25E-04	-1.3583	0.097	0.21	1	MS.Trt_vs_MS.NoTrt_F
GRAMD1A	7.27E-04	0.25371	0.651	0.79	1	MS.Trt_vs_MS.NoTrt_F
CASP8AP2	7.27E-04	-0.5643	0.291	0.44	1	MS.Trt_vs_MS.NoTrt_F
ROBO1	7.28E-04	0.30348	0.651	0.48	1	MS.Trt_vs_MS.NoTrt_F
ZC2HC1A	7.31E-04	0.34623	0.169	0.32	1	MS.Trt_vs_MS.NoTrt_F
C1QTNF1	7.31E-04	0.5803	0.219	0.39	1	MS.Trt_vs_MS.NoTrt_F
EMC4	7.32E-04	0.6978	1	0.99	1	MS.Trt_vs_MS.NoTrt_F
ARHGEF6	7.35E-04	0.27908	0.309	0.49	1	MS.Trt_vs_MS.NoTrt_F
OLFM2	7.39E-04	-0.7547	0.09	0.2	1	MS.Trt_vs_MS.NoTrt_F
RAB11B	7.40E-04	-0.4568	0.453	0.62	1	MS.Trt_vs_MS.NoTrt_F
OFD1	7.49E-04	0.54397	0.201	0.37	1	MS.Trt_vs_MS.NoTrt_F
UTY	7.50E-04	-1.8846	0.428	0.57	1	MS.Trt_vs_MS.NoTrt_F
CPPED1	7.51E-04	-0.8211	0.579	0.7	1	MS.Trt_vs_MS.NoTrt_F
FAM122B	7.52E-04	-0.4033	0.115	0.23	1	MS.Trt_vs_MS.NoTrt_F
SPON2	7.58E-04	-0.338	0.367	0.53	1	MS.Trt_vs_MS.NoTrt_F
CHID1	7.65E-04	-0.4639	0.248	0.4	1	MS.Trt_vs_MS.NoTrt_F
ANKRD18A	7.66E-04	-1.194	0.273	0.42	1	MS.Trt_vs_MS.NoTrt_F
PAM16	7.75E-04	-0.3385	0.144	0.28	1	MS.Trt_vs_MS.NoTrt_F
SPDYE16	7.79E-04	0.72943	0.838	0.89	1	MS.Trt_vs_MS.NoTrt_F
IQSEC1	7.82E-04	-0.4836	0.191	0.34	1	MS.Trt_vs_MS.NoTrt_F
SPDYE1	7.82E-04	0.99755	0.586	0.47	1	MS.Trt_vs_MS.NoTrt_F

KARS	7.82E-04	-0.469	0.212	0.36	1	MS.Trt_vs_MS.NoTrt_F
NPRL2	7.82E-04	-0.3032	0.151	0.29	1	MS.Trt_vs_MS.NoTrt_F
INTS5	7.83E-04	-1.123	0.076	0.18	1	MS.Trt_vs_MS.NoTrt_F
CDK8	7.84E-04	-1.7238	0.058	0.15	1	MS.Trt_vs_MS.NoTrt_F
ZNF408	7.84E-04	-1.7789	0.05	0.14	1	MS.Trt_vs_MS.NoTrt_F
CANT1	7.87E-04	-0.82	0.094	0.2	1	MS.Trt_vs_MS.NoTrt_F
B4GALT3	7.88E-04	-0.3068	0.191	0.34	1	MS.Trt_vs_MS.NoTrt_F
RWDD4	7.98E-04	0.33041	0.094	0.21	1	MS.Trt_vs_MS.NoTrt_F
RNF8	8.00E-04	-0.7738	0.453	0.64	1	MS.Trt_vs_MS.NoTrt_F
GRB10	8.02E-04	-0.2556	0.183	0.32	1	MS.Trt_vs_MS.NoTrt_F
IFRD1	8.05E-04	0.25892	0.417	0.58	1	MS.Trt_vs_MS.NoTrt_F
TMEM120A	8.07E-04	0.48782	0.137	0.28	1	MS.Trt_vs_MS.NoTrt_F
NADK	8.07E-04	0.48808	0.23	0.38	1	MS.Trt_vs_MS.NoTrt_F
SERTAD2	8.13E-04	-0.474	0.115	0.24	1	MS.Trt_vs_MS.NoTrt_F
ZNF398	8.14E-04	-0.6843	0.165	0.3	1	MS.Trt_vs_MS.NoTrt_F
PRCC	8.15E-04	-0.432	0.151	0.29	1	MS.Trt_vs_MS.NoTrt_F
KCTD5	8.25E-04	-1.0012	0.086	0.19	1	MS.Trt_vs_MS.NoTrt_F
CCDC97	8.30E-04	-0.5336	0.147	0.28	1	MS.Trt_vs_MS.NoTrt_F
NUP153	8.32E-04	-0.4336	0.194	0.34	1	MS.Trt_vs_MS.NoTrt_F
ERI3	8.35E-04	-0.6879	0.094	0.2	1	MS.Trt_vs_MS.NoTrt_F
FLYWCH1	8.36E-04	-0.6795	0.759	0.9	1	MS.Trt_vs_MS.NoTrt_F
SOAT1	8.39E-04	-0.4026	0.676	0.79	1	MS.Trt_vs_MS.NoTrt_F
ZNF717	8.41E-04	-0.3225	0.05	0.14	1	MS.Trt_vs_MS.NoTrt_F
ITGB3BP	8.46E-04	-0.3326	0.665	0.83	1	MS.Trt_vs_MS.NoTrt_F
DYNLT1	8.55E-04	-0.3962	0.511	0.72	1	MS.Trt_vs_MS.NoTrt_F
SFXN3	8.56E-04	-0.2713	0.306	0.46	1	MS.Trt_vs_MS.NoTrt_F
ZNF740	8.58E-04	0.30987	0.151	0.29	1	MS.Trt_vs_MS.NoTrt_F
IKZF3	8.68E-04	-0.272	0.953	1	1	MS.Trt_vs_MS.NoTrt_F
CETN2	8.69E-04	-0.741	0.043	0.13	1	MS.Trt_vs_MS.NoTrt_F
C6orf226	8.71E-04	-0.2539	0.043	0.13	1	MS.Trt_vs_MS.NoTrt_F
MGAT5	8.75E-04	-0.3223	0.14	0.27	1	MS.Trt_vs_MS.NoTrt_F
ARAP2	8.75E-04	0.35792	0.291	0.45	1	MS.Trt_vs_MS.NoTrt_F
FYCO1	8.76E-04	-0.2586	0.176	0.32	1	MS.Trt_vs_MS.NoTrt_F
IL15RA	8.76E-04	-0.2598	0.112	0.23	1	MS.Trt_vs_MS.NoTrt_F
POLDIP3	8.81E-04	-0.5577	0.165	0.3	1	MS.Trt_vs_MS.NoTrt_F
SCAMP3	8.81E-04	-0.383	0.169	0.31	1	MS.Trt_vs_MS.NoTrt_F
CISD1	8.85E-04	0.31667	0.094	0.2	1	MS.Trt_vs_MS.NoTrt_F
ADAM12	8.86E-04	-0.2915	0.212	0.37	1	MS.Trt_vs_MS.NoTrt_F
ZC3H11A	8.86E-04	-0.4995	0.212	0.35	1	MS.Trt_vs_MS.NoTrt_F
GADD45B	8.89E-04	-0.5804	0.129	0.25	1	MS.Trt_vs_MS.NoTrt_F

RAVER1	8.92E-04	-0.5209	0.147	0.28	1	MS.Trt_vs_MS.NoTrt_F
HCFC2	8.94E-04	-1.1554	0.079	0.18	1	MS.Trt_vs_MS.NoTrt_F
DNAJB11	8.97E-04	-0.3633	0.162	0.3	1	MS.Trt_vs_MS.NoTrt_F
SMPD1	9.02E-04	0.25969	0.112	0.23	1	MS.Trt_vs_MS.NoTrt_F
EGLN2	9.04E-04	0.32895	0.255	0.44	1	MS.Trt_vs_MS.NoTrt_F
POLR2C	9.04E-04	-0.4826	0.547	0.68	1	MS.Trt_vs_MS.NoTrt_F
GLYR1	9.04E-04	-0.5595	0.414	0.54	1	MS.Trt_vs_MS.NoTrt_F
NCAPD3	9.04E-04	-1.3718	0.079	0.18	1	MS.Trt_vs_MS.NoTrt_F
ATG101	9.07E-04	-0.625	0.072	0.17	1	MS.Trt_vs_MS.NoTrt_F
FEZ2	9.07E-04	-1.0302	0.46	0.61	1	MS.Trt_vs_MS.NoTrt_F
MED20	9.07E-04	-0.7926	0.32	0.48	1	MS.Trt_vs_MS.NoTrt_F
EXOSC7	9.07E-04	-0.3139	0.403	0.56	1	MS.Trt_vs_MS.NoTrt_F
INSL6	9.09E-04	-0.3059	0.295	0.46	1	MS.Trt_vs_MS.NoTrt_F
VN1R2	9.11E-04	-0.3416	0.079	0.18	1	MS.Trt_vs_MS.NoTrt_F
SIGMAR1	9.13E-04	-0.2687	0.183	0.33	1	MS.Trt_vs_MS.NoTrt_F
SLC18B1	9.15E-04	-1.2069	0.079	0.18	1	MS.Trt_vs_MS.NoTrt_F
TLDC1	9.20E-04	-0.5625	0.64	0.85	1	MS.Trt_vs_MS.NoTrt_F
STARD5	9.22E-04	-0.4592	0.133	0.25	1	MS.Trt_vs_MS.NoTrt_F
HLX	9.22E-04	-0.2703	0.173	0.3	1	MS.Trt_vs_MS.NoTrt_F
HIGD1A	9.22E-04	0.46527	0.155	0.29	1	MS.Trt_vs_MS.NoTrt_F
LCORL	9.28E-04	0.40455	0.112	0.23	1	MS.Trt_vs_MS.NoTrt_F
DDX19B	9.28E-04	-0.5033	0.414	0.57	1	MS.Trt_vs_MS.NoTrt_F
ATP23	9.29E-04	-0.2819	0.119	0.24	1	MS.Trt_vs_MS.NoTrt_F
COA6	9.29E-04	0.32542	0.115	0.24	1	MS.Trt_vs_MS.NoTrt_F
WRNIP1	9.34E-04	0.26276	0.079	0.18	1	MS.Trt_vs_MS.NoTrt_F
NELFB	9.39E-04	-0.5396	0.058	0.15	1	MS.Trt_vs_MS.NoTrt_F
TIMD4	9.42E-04	-0.4887	0.072	0.17	1	MS.Trt_vs_MS.NoTrt_F
CUEDC2	9.45E-04	0.39459	0.115	0.24	1	MS.Trt_vs_MS.NoTrt_F
TENM4	9.45E-04	-0.2855	0.234	0.38	1	MS.Trt_vs_MS.NoTrt_F
C19orf53	9.48E-04	0.29635	0.374	0.55	1	MS.Trt_vs_MS.NoTrt_F
CTD-2583A1	9.48E-04	-0.4162	0.076	0.18	1	MS.Trt_vs_MS.NoTrt_F
PTGER4	9.49E-04	0.4234	0.173	0.32	1	MS.Trt_vs_MS.NoTrt_F
FLYWCH2	9.50E-04	-0.611	0.072	0.17	1	MS.Trt_vs_MS.NoTrt_F
KPNA5	9.50E-04	-0.3605	0.928	0.98	1	MS.Trt_vs_MS.NoTrt_F
ZBTB45	9.53E-04	-0.7242	0.054	0.14	1	MS.Trt_vs_MS.NoTrt_F
TCF20	9.54E-04	-0.6751	0.144	0.27	1	MS.Trt_vs_MS.NoTrt_F
RIF1	9.54E-04	-0.2969	0.522	0.71	1	MS.Trt_vs_MS.NoTrt_F
ORMDL2	9.54E-04	-0.4784	0.41	0.56	1	MS.Trt_vs_MS.NoTrt_F
CTBP1	9.55E-04	0.25343	0.367	0.56	1	MS.Trt_vs_MS.NoTrt_F
C1orf158	9.57E-04	0.63972	0.878	0.79	1	MS.Trt_vs_MS.NoTrt_F



AIM1L	9.60E-04	-0.5889	0.061	0.16	1	MS.Trt_vs_MS.NoTrt_F
HK1	9.60E-04	-0.5192	0.522	0.66	1	MS.Trt_vs_MS.NoTrt_F
VPS54	9.62E-04	0.51317	0.356	0.53	1	MS.Trt_vs_MS.NoTrt_F
GSKIP	9.62E-04	-0.3555	0.112	0.23	1	MS.Trt_vs_MS.NoTrt_F
MYCBP	9.64E-04	0.39543	0.112	0.23	1	MS.Trt_vs_MS.NoTrt_F
GNG5	9.64E-04	0.27041	0.252	0.43	1	MS.Trt_vs_MS.NoTrt_F
KLRC1	9.64E-04	0.87059	0.266	0.44	1	MS.Trt_vs_MS.NoTrt_F
TDP2	9.66E-04	-0.2985	0.115	0.23	1	MS.Trt_vs_MS.NoTrt_F
WAPL	9.67E-04	-0.4565	0.406	0.58	1	MS.Trt_vs_MS.NoTrt_F
FAM96A	9.70E-04	-0.2506	0.295	0.45	1	MS.Trt_vs_MS.NoTrt_F
FBXO28	9.72E-04	-1.1011	0.108	0.22	1	MS.Trt_vs_MS.NoTrt_F
ZCCHC14	9.73E-04	-0.8337	0.079	0.18	1	MS.Trt_vs_MS.NoTrt_F
TYSND1	9.76E-04	0.54694	0.23	0.38	1	MS.Trt_vs_MS.NoTrt_F
TMTC2	9.77E-04	-0.7839	0.065	0.16	1	MS.Trt_vs_MS.NoTrt_F
CNOT3	9.84E-04	-0.7312	0.137	0.26	1	MS.Trt_vs_MS.NoTrt_F
CDKN1A	9.87E-04	-0.4595	0.119	0.24	1	MS.Trt_vs_MS.NoTrt_F
PKD2	9.88E-04	0.44085	0.173	0.31	1	MS.Trt_vs_MS.NoTrt_F
LPAR2	9.89E-04	0.74236	0.129	0.25	1	MS.Trt_vs_MS.NoTrt_F
COX6A1	9.90E-04	0.37728	0.162	0.3	1	MS.Trt_vs_MS.NoTrt_F
ARFIP1	9.90E-04	0.30766	0.23	0.37	1	MS.Trt_vs_MS.NoTrt_F
C1GALT1C1	9.92E-04	-0.5373	0.068	0.17	1	MS.Trt_vs_MS.NoTrt_F
MDM1	9.99E-04	-0.8385	0.094	0.2	1	MS.Trt_vs_MS.NoTrt_F
UHMK1	0.001	0.27704	0.255	0.41	1	MS.Trt_vs_MS.NoTrt_F
SCFD2	0.001	-0.2711	0.061	0.16	1	MS.Trt_vs_MS.NoTrt_F
FUS	0.00101	-0.287	0.842	0.9	1	MS.Trt_vs_MS.NoTrt_F
ZSWIM6	0.00103	-0.3073	0.076	0.18	1	MS.Trt_vs_MS.NoTrt_F
FAM118B	0.00103	-0.5598	0.068	0.17	1	MS.Trt_vs_MS.NoTrt_F
GINM1	0.00103	-0.3022	0.536	0.67	1	MS.Trt_vs_MS.NoTrt_F
PPRC1	0.00104	-0.5127	0.119	0.24	1	MS.Trt_vs_MS.NoTrt_F
ALDH9A1	0.00104	-0.4249	0.176	0.32	1	MS.Trt_vs_MS.NoTrt_F
TMEM140	0.00104	-0.2636	0.155	0.28	1	MS.Trt_vs_MS.NoTrt_F
CACNA2D4	0.00104	-0.3526	0.068	0.17	1	MS.Trt_vs_MS.NoTrt_F
KCTD11	0.00104	0.5663	0.122	0.24	1	MS.Trt_vs_MS.NoTrt_F
MYO5C	0.00104	0.70357	0.392	0.55	1	MS.Trt_vs_MS.NoTrt_F
MASTL	0.00105	0.4201	0.076	0.18	1	MS.Trt_vs_MS.NoTrt_F
ESF1	0.00105	-0.3182	0.129	0.25	1	MS.Trt_vs_MS.NoTrt_F
SP3	0.00105	-1.0105	0.489	0.64	1	MS.Trt_vs_MS.NoTrt_F
CWC15	0.00105	0.36146	0.201	0.37	1	MS.Trt_vs_MS.NoTrt_F
PHF8	0.00106	-0.5198	0.119	0.24	1	MS.Trt_vs_MS.NoTrt_F
TCF19	0.00106	-0.4161	0.061	0.16	1	MS.Trt_vs_MS.NoTrt_F

EZH1	0.00106	-0.6423	0.881	0.95	1	MS.Trt_vs_MS.NoTrt_F
N4BP1	0.00106	0.25328	0.122	0.25	1	MS.Trt_vs_MS.NoTrt_F
TAOK2	0.00106	-0.3615	0.094	0.2	1	MS.Trt_vs_MS.NoTrt_F
TAX1BP3	0.00107	-0.6869	0.076	0.18	1	MS.Trt_vs_MS.NoTrt_F
SLC25A35	0.00107	-0.5763	0.137	0.27	1	MS.Trt_vs_MS.NoTrt_F
PARP10	0.00107	-0.2863	0.194	0.33	1	MS.Trt_vs_MS.NoTrt_F
ZNF182	0.00107	-0.9829	0.076	0.18	1	MS.Trt_vs_MS.NoTrt_F
C4orf48	0.00107	0.62083	0.122	0.25	1	MS.Trt_vs_MS.NoTrt_F
GK	0.00108	-1.0005	0.187	0.34	1	MS.Trt_vs_MS.NoTrt_F
DHRS12	0.00108	-0.6946	0.09	0.2	1	MS.Trt_vs_MS.NoTrt_F
STK25	0.0011	-0.4491	0.633	0.78	1	MS.Trt_vs_MS.NoTrt_F
CDK12	0.00111	-0.7056	0.489	0.65	1	MS.Trt_vs_MS.NoTrt_F
APTX	0.00111	-0.3238	0.191	0.34	1	MS.Trt_vs_MS.NoTrt_F
EHMT2	0.00111	-0.9213	0.604	0.77	1	MS.Trt_vs_MS.NoTrt_F
PIN4	0.00112	0.61806	0.129	0.26	1	MS.Trt_vs_MS.NoTrt_F
SFSWAP	0.00112	-0.4934	0.522	0.66	1	MS.Trt_vs_MS.NoTrt_F
UBE2J1	0.00112	0.31439	0.18	0.32	1	MS.Trt_vs_MS.NoTrt_F
COPG2	0.00112	1.2396	0.09	0.2	1	MS.Trt_vs_MS.NoTrt_F
PDE4D	0.00112	0.43058	0.252	0.4	1	MS.Trt_vs_MS.NoTrt_F
FUNDC2	0.00113	-0.501	0.478	0.62	1	MS.Trt_vs_MS.NoTrt_F
MRPS36	0.00114	0.43435	0.14	0.28	1	MS.Trt_vs_MS.NoTrt_F
SNX12	0.00115	-0.8625	0.094	0.2	1	MS.Trt_vs_MS.NoTrt_F
EIF3J	0.00115	0.40074	0.165	0.32	1	MS.Trt_vs_MS.NoTrt_F
PLGLB1	0.00115	-0.3808	0.112	0.23	1	MS.Trt_vs_MS.NoTrt_F
DHX38	0.00115	-0.2949	0.119	0.24	1	MS.Trt_vs_MS.NoTrt_F
MAPK14	0.00117	-0.6249	0.133	0.25	1	MS.Trt_vs_MS.NoTrt_F
TMEM50B	0.00117	-0.3526	0.669	0.81	1	MS.Trt_vs_MS.NoTrt_F
PHTF2	0.00117	0.32042	0.374	0.57	1	MS.Trt_vs_MS.NoTrt_F
CALD1	0.00118	0.71844	0.191	0.32	1	MS.Trt_vs_MS.NoTrt_F
TIAM2	0.00119	-0.3191	0.748	0.86	1	MS.Trt_vs_MS.NoTrt_F
YBX1	0.00119	0.35636	0.496	0.7	1	MS.Trt_vs_MS.NoTrt_F
ZNF783	0.00119	-0.7545	0.381	0.52	1	MS.Trt_vs_MS.NoTrt_F
RTN3	0.0012	-0.3032	0.155	0.28	1	MS.Trt_vs_MS.NoTrt_F
SAFB2	0.0012	-0.5552	0.831	0.9	1	MS.Trt_vs_MS.NoTrt_F
SIM1	0.0012	0.90772	0.158	0.28	1	MS.Trt_vs_MS.NoTrt_F
RP11-411B6	0.0012	0.25763	0.234	0.4	1	MS.Trt_vs_MS.NoTrt_F
NCOA5	0.00122	-0.293	0.129	0.25	1	MS.Trt_vs_MS.NoTrt_F
WDR37	0.00123	0.25797	0.155	0.29	1	MS.Trt_vs_MS.NoTrt_F
PSENE1	0.00123	0.41817	0.169	0.3	1	MS.Trt_vs_MS.NoTrt_F
FAM214A	0.00123	-0.2822	0.194	0.33	1	MS.Trt_vs_MS.NoTrt_F

SMG7	0.00125	-0.3253	0.162	0.3	1 MS.Trt_vs_MS.NoTrt_F
NPDC1	0.00125	-0.3307	0.072	0.17	1 MS.Trt_vs_MS.NoTrt_F
SLFN12	0.00125	-0.5597	0.054	0.14	1 MS.Trt_vs_MS.NoTrt_F
HEXB	0.00125	-0.3883	0.151	0.28	1 MS.Trt_vs_MS.NoTrt_F
PPP2R3C	0.00125	-0.5144	0.176	0.3	1 MS.Trt_vs_MS.NoTrt_F
CHMP2B	0.00126	0.28747	0.144	0.27	1 MS.Trt_vs_MS.NoTrt_F
LMNA	0.00126	-0.3833	0.651	0.76	1 MS.Trt_vs_MS.NoTrt_F
TOMM6	0.00128	0.27968	0.219	0.38	1 MS.Trt_vs_MS.NoTrt_F
IGFBPL1	0.00129	-0.2613	0.518	0.65	1 MS.Trt_vs_MS.NoTrt_F
ATP5J2	0.00129	0.78572	0.331	0.53	1 MS.Trt_vs_MS.NoTrt_F
SLMAP	0.00129	-0.5722	0.759	0.83	1 MS.Trt_vs_MS.NoTrt_F
SNW1	0.00129	-0.264	0.234	0.38	1 MS.Trt_vs_MS.NoTrt_F
ARHGEF1	0.0013	-0.3023	0.885	0.93	1 MS.Trt_vs_MS.NoTrt_F
DDX60	0.0013	-0.3627	0.126	0.25	1 MS.Trt_vs_MS.NoTrt_F
FBXL5	0.00131	0.70129	0.234	0.42	1 MS.Trt_vs_MS.NoTrt_F
NFE2L3	0.00131	-0.8955	0.083	0.18	1 MS.Trt_vs_MS.NoTrt_F
SMARCD1	0.00131	-0.4991	0.101	0.21	1 MS.Trt_vs_MS.NoTrt_F
PDCD5	0.00131	0.27741	0.18	0.33	1 MS.Trt_vs_MS.NoTrt_F
TMEM9	0.00131	-0.3051	0.09	0.19	1 MS.Trt_vs_MS.NoTrt_F
ADD3	0.00131	-0.3588	0.716	0.82	1 MS.Trt_vs_MS.NoTrt_F
SSBP4	0.00132	-0.6776	0.083	0.18	1 MS.Trt_vs_MS.NoTrt_F
PLAG1	0.00132	0.76961	0.367	0.52	1 MS.Trt_vs_MS.NoTrt_F
CAMTA1	0.00133	0.6125	0.165	0.3	1 MS.Trt_vs_MS.NoTrt_F
KLF7	0.00133	0.9579	0.133	0.25	1 MS.Trt_vs_MS.NoTrt_F
SUPT20H	0.00133	-0.4569	0.414	0.56	1 MS.Trt_vs_MS.NoTrt_F
FBXW11	0.00133	0.52074	0.277	0.45	1 MS.Trt_vs_MS.NoTrt_F
ZBTB33	0.00133	-0.4454	0.094	0.2	1 MS.Trt_vs_MS.NoTrt_F
PLAT	0.00135	0.27225	0.115	0.23	1 MS.Trt_vs_MS.NoTrt_F
CSNK2A2	0.00135	-0.507	0.288	0.44	1 MS.Trt_vs_MS.NoTrt_F
TEP1	0.00136	-0.4457	0.371	0.52	1 MS.Trt_vs_MS.NoTrt_F
SLC12A7	0.00136	-0.4508	0.147	0.28	1 MS.Trt_vs_MS.NoTrt_F
CRAMP1	0.00136	-0.8769	0.09	0.19	1 MS.Trt_vs_MS.NoTrt_F
PEX7	0.00136	-0.6178	0.147	0.27	1 MS.Trt_vs_MS.NoTrt_F
ISYNA1	0.00136	-0.6182	0.083	0.18	1 MS.Trt_vs_MS.NoTrt_F
SLC35C2	0.00136	-0.4652	0.475	0.64	1 MS.Trt_vs_MS.NoTrt_F
HNRNPA1L2	0.00137	-0.7001	0.227	0.38	1 MS.Trt_vs_MS.NoTrt_F
HDHD2	0.00137	0.44248	0.155	0.29	1 MS.Trt_vs_MS.NoTrt_F
GPR18	0.00137	-0.6659	0.083	0.18	1 MS.Trt_vs_MS.NoTrt_F
METAP1D	0.00138	-1.5767	0.036	0.11	1 MS.Trt_vs_MS.NoTrt_F
HRAS	0.00138	-1.4819	0.04	0.12	1 MS.Trt_vs_MS.NoTrt_F

FAM156A	0.00139	-0.5424	0.155	0.27	1	MS.Trt_vs_MS.NoTrt_F
POLDIP2	0.0014	-0.3783	0.144	0.27	1	MS.Trt_vs_MS.NoTrt_F
SF3A3	0.0014	0.28132	0.306	0.48	1	MS.Trt_vs_MS.NoTrt_F
NFATC2	0.0014	-0.2695	0.191	0.33	1	MS.Trt_vs_MS.NoTrt_F
XAB2	0.00141	0.49881	0.219	0.37	1	MS.Trt_vs_MS.NoTrt_F
NAA10	0.00141	-0.5423	0.378	0.52	1	MS.Trt_vs_MS.NoTrt_F
ATP9A	0.00141	-0.277	0.219	0.35	1	MS.Trt_vs_MS.NoTrt_F
CDC42	0.00141	0.68497	0.91	0.97	1	MS.Trt_vs_MS.NoTrt_F
WDR4	0.00142	-0.792	0.086	0.19	1	MS.Trt_vs_MS.NoTrt_F
TWF1	0.00142	-0.816	0.086	0.19	1	MS.Trt_vs_MS.NoTrt_F
GLO1	0.00143	-0.541	0.086	0.19	1	MS.Trt_vs_MS.NoTrt_F
CDRT1	0.00143	-1.77	0.036	0.11	1	MS.Trt_vs_MS.NoTrt_F
ITPR3	0.00143	-0.7867	0.119	0.24	1	MS.Trt_vs_MS.NoTrt_F
ETV3	0.00144	-0.342	0.18	0.32	1	MS.Trt_vs_MS.NoTrt_F
C7orf55-LUC	0.00144	-0.5892	0.086	0.19	1	MS.Trt_vs_MS.NoTrt_F
ADCK2	0.00144	-2.0453	0.047	0.13	1	MS.Trt_vs_MS.NoTrt_F
AGAP6	0.00145	-0.3997	0.14	0.25	1	MS.Trt_vs_MS.NoTrt_F
BEX2	0.00145	-0.6151	0.086	0.19	1	MS.Trt_vs_MS.NoTrt_F
FBXO7	0.00145	-0.6616	0.277	0.41	1	MS.Trt_vs_MS.NoTrt_F
C8orf44-SGk	0.00145	-0.7373	0.097	0.2	1	MS.Trt_vs_MS.NoTrt_F
TAB3	0.00146	-0.4079	0.665	0.81	1	MS.Trt_vs_MS.NoTrt_F
LRRC61	0.00148	-1.432	0.076	0.17	1	MS.Trt_vs_MS.NoTrt_F
BCAP31	0.00148	-0.6384	0.176	0.31	1	MS.Trt_vs_MS.NoTrt_F
OSBPL10	0.00148	0.38619	0.356	0.5	1	MS.Trt_vs_MS.NoTrt_F
SPATC1L	0.00148	-1.1392	0.04	0.12	1	MS.Trt_vs_MS.NoTrt_F
MKRN1	0.00148	-0.3244	0.813	0.9	1	MS.Trt_vs_MS.NoTrt_F
PAM	0.00148	0.28533	0.302	0.45	1	MS.Trt_vs_MS.NoTrt_F
MLYCD	0.00148	-1.3189	0.345	0.51	1	MS.Trt_vs_MS.NoTrt_F
KAT6B	0.00148	-0.3887	0.122	0.24	1	MS.Trt_vs_MS.NoTrt_F
ANKRD17	0.00149	-0.5302	0.198	0.34	1	MS.Trt_vs_MS.NoTrt_F
SRGAP2B	0.0015	-0.6419	0.439	0.6	1	MS.Trt_vs_MS.NoTrt_F
TRAK1	0.0015	-0.2709	0.09	0.19	1	MS.Trt_vs_MS.NoTrt_F
MTERF3	0.00151	-1.1101	0.216	0.34	1	MS.Trt_vs_MS.NoTrt_F
TTC27	0.00151	0.88332	0.112	0.23	1	MS.Trt_vs_MS.NoTrt_F
VKORC1	0.00151	0.33297	0.129	0.25	1	MS.Trt_vs_MS.NoTrt_F
HOMER2	0.00151	-0.9007	0.507	0.64	1	MS.Trt_vs_MS.NoTrt_F
TTC4	0.00152	-0.7962	0.094	0.2	1	MS.Trt_vs_MS.NoTrt_F
RXRБ	0.00152	-0.3127	0.183	0.32	1	MS.Trt_vs_MS.NoTrt_F
PFDN1	0.00153	-0.2873	0.162	0.29	1	MS.Trt_vs_MS.NoTrt_F
BTRC	0.00153	-0.5733	0.079	0.18	1	MS.Trt_vs_MS.NoTrt_F

DCAF15	0.00153	-1.2338	0.061	0.15	1	MS.Trt_vs_MS.NoTrt_F
GNL1	0.00154	-0.6679	0.094	0.2	1	MS.Trt_vs_MS.NoTrt_F
RNF40	0.00155	-0.4502	0.129	0.25	1	MS.Trt_vs_MS.NoTrt_F
TMEM206	0.00155	-0.9222	0.083	0.18	1	MS.Trt_vs_MS.NoTrt_F
ABCA2	0.00155	-0.2931	0.245	0.39	1	MS.Trt_vs_MS.NoTrt_F
PI4K2A	0.00156	-0.918	0.072	0.17	1	MS.Trt_vs_MS.NoTrt_F
SHMT2	0.00157	-0.3285	0.252	0.4	1	MS.Trt_vs_MS.NoTrt_F
SURF6	0.00157	-0.2589	0.5	0.67	1	MS.Trt_vs_MS.NoTrt_F
BCAP29	0.00157	-0.61	0.327	0.48	1	MS.Trt_vs_MS.NoTrt_F
CBX7	0.00158	0.35784	0.381	0.54	1	MS.Trt_vs_MS.NoTrt_F
RTF1	0.00158	-0.4312	0.529	0.66	1	MS.Trt_vs_MS.NoTrt_F
TXNDC16	0.00158	0.79972	0.115	0.23	1	MS.Trt_vs_MS.NoTrt_F
C10orf128	0.00158	-0.2941	0.079	0.18	1	MS.Trt_vs_MS.NoTrt_F
ZBTB46	0.00159	-0.9805	0.09	0.19	1	MS.Trt_vs_MS.NoTrt_F
PI4K2B	0.00159	-1.0513	0.05	0.13	1	MS.Trt_vs_MS.NoTrt_F
RP5-864K19	0.00159	-0.4914	0.047	0.13	1	MS.Trt_vs_MS.NoTrt_F
TMEM43	0.00159	-0.5474	0.198	0.33	1	MS.Trt_vs_MS.NoTrt_F
ISCU	0.0016	0.35716	0.288	0.48	1	MS.Trt_vs_MS.NoTrt_F
RELA	0.0016	-0.9553	0.18	0.31	1	MS.Trt_vs_MS.NoTrt_F
PPIH	0.0016	-0.4625	0.09	0.19	1	MS.Trt_vs_MS.NoTrt_F
ITGA5	0.0016	0.82321	0.104	0.22	1	MS.Trt_vs_MS.NoTrt_F
MTMR2	0.00161	0.59696	0.169	0.29	1	MS.Trt_vs_MS.NoTrt_F
FAM105A	0.00161	-0.3872	0.245	0.38	1	MS.Trt_vs_MS.NoTrt_F
MIGA2	0.00161	-0.8413	0.424	0.55	1	MS.Trt_vs_MS.NoTrt_F
DHX8	0.00161	-0.4565	0.576	0.73	1	MS.Trt_vs_MS.NoTrt_F
YWHAH	0.00161	-0.3792	0.187	0.32	1	MS.Trt_vs_MS.NoTrt_F
FGL2	0.00162	-0.97	0.291	0.42	1	MS.Trt_vs_MS.NoTrt_F
TMEM229B	0.00162	-0.8012	0.205	0.35	1	MS.Trt_vs_MS.NoTrt_F
RCHY1	0.00162	-0.587	0.284	0.43	1	MS.Trt_vs_MS.NoTrt_F
MTERF2	0.00162	-0.511	0.076	0.17	1	MS.Trt_vs_MS.NoTrt_F
ARHGAP11A	0.00163	-1.4205	0.353	0.5	1	MS.Trt_vs_MS.NoTrt_F
EIF5A	0.00163	1.10204	0.709	0.65	1	MS.Trt_vs_MS.NoTrt_F
TXNDC11	0.00163	-0.2621	0.324	0.49	1	MS.Trt_vs_MS.NoTrt_F
CCR10	0.00164	-0.3052	0.122	0.24	1	MS.Trt_vs_MS.NoTrt_F
MAPK7	0.00164	-0.8184	0.068	0.16	1	MS.Trt_vs_MS.NoTrt_F
SLC8B1	0.00164	-0.7136	0.446	0.59	1	MS.Trt_vs_MS.NoTrt_F
RCC1	0.00164	-0.6308	0.147	0.28	1	MS.Trt_vs_MS.NoTrt_F
MARS2	0.00164	-0.4498	0.065	0.16	1	MS.Trt_vs_MS.NoTrt_F
CDCP1	0.00164	0.55602	0.554	0.41	1	MS.Trt_vs_MS.NoTrt_F
BPIFB1	0.00165	-0.5165	0.428	0.59	1	MS.Trt_vs_MS.NoTrt_F

SCMH1	0.00165	0.63874	0.137	0.26	1	MS.Trt_vs_MS.NoTrt_F
MTX2	0.00166	-0.4882	0.245	0.39	1	MS.Trt_vs_MS.NoTrt_F
FASTKD5	0.00166	0.41459	0.094	0.2	1	MS.Trt_vs_MS.NoTrt_F
COPG1	0.00166	-0.2652	0.183	0.32	1	MS.Trt_vs_MS.NoTrt_F
ARFGEF1	0.00166	-0.3406	0.572	0.74	1	MS.Trt_vs_MS.NoTrt_F
PBX2	0.00166	-0.3326	0.108	0.21	1	MS.Trt_vs_MS.NoTrt_F
SSRP1	0.00166	0.3405	0.151	0.28	1	MS.Trt_vs_MS.NoTrt_F
PDE3A	0.00166	-0.6145	0.158	0.28	1	MS.Trt_vs_MS.NoTrt_F
PGGHG	0.00167	-0.8064	0.129	0.24	1	MS.Trt_vs_MS.NoTrt_F
ELK1	0.00167	-0.5342	0.083	0.18	1	MS.Trt_vs_MS.NoTrt_F
PPCDC	0.00167	0.35818	0.086	0.19	1	MS.Trt_vs_MS.NoTrt_F
EED	0.00167	0.55504	0.162	0.3	1	MS.Trt_vs_MS.NoTrt_F
HIRA	0.00167	0.26623	0.061	0.15	1	MS.Trt_vs_MS.NoTrt_F
MITF	0.00167	-0.2963	0.144	0.26	1	MS.Trt_vs_MS.NoTrt_F
TCF3	0.00167	-0.6086	0.079	0.18	1	MS.Trt_vs_MS.NoTrt_F
ITGA6	0.00168	-0.3134	0.14	0.27	1	MS.Trt_vs_MS.NoTrt_F
TRIM25	0.00168	-0.4538	0.324	0.46	1	MS.Trt_vs_MS.NoTrt_F
UBALD2	0.00169	-0.5386	0.104	0.21	1	MS.Trt_vs_MS.NoTrt_F
CCZ1B	0.0017	-0.2513	0.662	0.77	1	MS.Trt_vs_MS.NoTrt_F
ACTR8	0.00171	-0.2701	0.083	0.18	1	MS.Trt_vs_MS.NoTrt_F
ZW10	0.00171	-0.7126	0.068	0.16	1	MS.Trt_vs_MS.NoTrt_F
BORCS6	0.00171	-0.7489	0.086	0.19	1	MS.Trt_vs_MS.NoTrt_F
RBM17	0.00172	0.2877	0.342	0.53	1	MS.Trt_vs_MS.NoTrt_F
ARMC5	0.00172	0.31919	0.115	0.23	1	MS.Trt_vs_MS.NoTrt_F
PRKAB2	0.00172	0.97699	0.068	0.16	1	MS.Trt_vs_MS.NoTrt_F
RPL41	0.00172	0.33822	0.942	1	1	MS.Trt_vs_MS.NoTrt_F
HPF1	0.00173	0.68491	0.09	0.19	1	MS.Trt_vs_MS.NoTrt_F
MANEA	0.00174	-0.493	0.115	0.23	1	MS.Trt_vs_MS.NoTrt_F
TMEM222	0.00174	-0.5334	0.133	0.25	1	MS.Trt_vs_MS.NoTrt_F
ACP2	0.00175	-1.4832	0.068	0.16	1	MS.Trt_vs_MS.NoTrt_F
TEX264	0.00175	0.26753	0.198	0.34	1	MS.Trt_vs_MS.NoTrt_F
FLVCR2	0.00175	-0.5761	0.058	0.14	1	MS.Trt_vs_MS.NoTrt_F
EID3	0.00175	-1.0648	0.058	0.14	1	MS.Trt_vs_MS.NoTrt_F
CEP128	0.00176	0.29106	0.198	0.33	1	MS.Trt_vs_MS.NoTrt_F
FASN	0.00176	-0.9257	0.122	0.23	1	MS.Trt_vs_MS.NoTrt_F
H2AFZ	0.00177	0.35439	0.345	0.56	1	MS.Trt_vs_MS.NoTrt_F
E4F1	0.00177	-0.6194	0.14	0.25	1	MS.Trt_vs_MS.NoTrt_F
ABHD15	0.00177	1.41825	0.324	0.49	1	MS.Trt_vs_MS.NoTrt_F
LRRC59	0.00177	-0.2648	0.137	0.26	1	MS.Trt_vs_MS.NoTrt_F
SVIP	0.00178	-0.5771	0.45	0.62	1	MS.Trt_vs_MS.NoTrt_F

REV3L	0.00179	-0.2786	0.597	0.79	1	MS.Trt_vs_MS.NoTrt_F
RPE	0.00179	-0.823	0.32	0.45	1	MS.Trt_vs_MS.NoTrt_F
DDX58	0.00179	-0.7539	0.306	0.45	1	MS.Trt_vs_MS.NoTrt_F
AMZ2	0.00179	-0.2841	0.529	0.71	1	MS.Trt_vs_MS.NoTrt_F
RCC2	0.00179	-0.9188	0.112	0.22	1	MS.Trt_vs_MS.NoTrt_F
NUTM2D	0.0018	-0.7434	0.072	0.17	1	MS.Trt_vs_MS.NoTrt_F
ZFAND6	0.0018	-0.5086	0.237	0.37	1	MS.Trt_vs_MS.NoTrt_F
FAM122A	0.0018	-0.5825	0.065	0.16	1	MS.Trt_vs_MS.NoTrt_F
GZMM	0.00181	0.26086	0.144	0.28	1	MS.Trt_vs_MS.NoTrt_F
TACC1	0.00181	-0.4131	0.468	0.6	1	MS.Trt_vs_MS.NoTrt_F
U2AF2	0.00181	-0.5705	0.173	0.3	1	MS.Trt_vs_MS.NoTrt_F
RABEP1	0.00183	0.67338	0.209	0.36	1	MS.Trt_vs_MS.NoTrt_F
OLAH	0.00184	-0.3635	0.396	0.54	1	MS.Trt_vs_MS.NoTrt_F
MRPL53	0.00184	0.40926	0.126	0.25	1	MS.Trt_vs_MS.NoTrt_F
SPOUT1	0.00185	0.75878	0.158	0.29	1	MS.Trt_vs_MS.NoTrt_F
FASTKD1	0.00186	-0.3414	0.248	0.39	1	MS.Trt_vs_MS.NoTrt_F
SLC19A1	0.00186	0.45916	0.068	0.16	1	MS.Trt_vs_MS.NoTrt_F
EXOC6B	0.00186	-0.7136	0.115	0.23	1	MS.Trt_vs_MS.NoTrt_F
ZCCHC17	0.00186	0.43947	0.133	0.25	1	MS.Trt_vs_MS.NoTrt_F
ACCS	0.00187	-0.9284	0.076	0.17	1	MS.Trt_vs_MS.NoTrt_F
HKDC1	0.00187	0.34004	0.068	0.16	1	MS.Trt_vs_MS.NoTrt_F
ILVBL	0.00187	0.6941	0.234	0.39	1	MS.Trt_vs_MS.NoTrt_F
GOLGA8B	0.00187	0.27967	0.719	0.82	1	MS.Trt_vs_MS.NoTrt_F
KLRB1	0.00187	0.52558	0.158	0.29	1	MS.Trt_vs_MS.NoTrt_F
IKZF4	0.00188	0.79175	0.18	0.32	1	MS.Trt_vs_MS.NoTrt_F
YY1	0.00188	0.43112	0.288	0.43	1	MS.Trt_vs_MS.NoTrt_F
ICOS	0.00188	0.40037	0.338	0.54	1	MS.Trt_vs_MS.NoTrt_F
KIFAP3	0.00188	0.49197	0.147	0.27	1	MS.Trt_vs_MS.NoTrt_F
U2AF1	0.00188	-0.4724	0.507	0.64	1	MS.Trt_vs_MS.NoTrt_F
MCMDC2	0.00188	-0.2646	0.367	0.5	1	MS.Trt_vs_MS.NoTrt_F
TMEM55B	0.00189	-0.9852	0.09	0.19	1	MS.Trt_vs_MS.NoTrt_F
RC3H1	0.00189	0.30978	0.464	0.66	1	MS.Trt_vs_MS.NoTrt_F
HTT	0.00191	-0.4501	0.23	0.37	1	MS.Trt_vs_MS.NoTrt_F
KIAA0368	0.00191	-0.8515	0.252	0.38	1	MS.Trt_vs_MS.NoTrt_F
LRRC8D	0.00193	0.82499	0.122	0.24	1	MS.Trt_vs_MS.NoTrt_F
CASP3	0.00194	0.36023	0.158	0.29	1	MS.Trt_vs_MS.NoTrt_F
PTBP1	0.00194	-0.3171	0.198	0.33	1	MS.Trt_vs_MS.NoTrt_F
MTHFD1	0.00194	-0.5731	0.867	0.92	1	MS.Trt_vs_MS.NoTrt_F
IARS2	0.00194	0.25959	0.137	0.25	1	MS.Trt_vs_MS.NoTrt_F
FER	0.00195	-0.9654	0.424	0.59	1	MS.Trt_vs_MS.NoTrt_F

WDYHV1	0.00197	-0.4115	0.104	0.21	1	MS.Trt_vs_MS.NoTrt_F
MCPH1	0.00197	-0.354	0.601	0.75	1	MS.Trt_vs_MS.NoTrt_F
ZNF415	0.00197	0.61621	0.295	0.44	1	MS.Trt_vs_MS.NoTrt_F
MLH1	0.00198	-0.4798	0.356	0.49	1	MS.Trt_vs_MS.NoTrt_F
FBLN5	0.00198	0.3218	0.201	0.33	1	MS.Trt_vs_MS.NoTrt_F
MRPL37	0.00199	-0.4041	0.155	0.28	1	MS.Trt_vs_MS.NoTrt_F
EFTUD2	0.00199	-0.5326	0.759	0.83	1	MS.Trt_vs_MS.NoTrt_F
DGCR2	0.002	-0.5464	0.227	0.36	1	MS.Trt_vs_MS.NoTrt_F
BRPF1	0.00202	-0.3714	0.083	0.18	1	MS.Trt_vs_MS.NoTrt_F
SSH3	0.00203	-0.9243	0.072	0.17	1	MS.Trt_vs_MS.NoTrt_F
3-Mar	0.00203	-0.6418	0.273	0.41	1	MS.Trt_vs_MS.NoTrt_F
SIGIRR	0.00204	0.28344	0.302	0.48	1	MS.Trt_vs_MS.NoTrt_F
ANAPC2	0.00205	-0.7284	0.083	0.18	1	MS.Trt_vs_MS.NoTrt_F
TMX1	0.00205	-0.3087	0.374	0.54	1	MS.Trt_vs_MS.NoTrt_F
ARHGAP29	0.00206	-0.3251	0.381	0.53	1	MS.Trt_vs_MS.NoTrt_F
ZNF585A	0.00207	-0.6636	0.356	0.53	1	MS.Trt_vs_MS.NoTrt_F
LRRFIP2	0.00207	-0.3457	0.68	0.81	1	MS.Trt_vs_MS.NoTrt_F
HERC5	0.00207	-0.5388	0.147	0.27	1	MS.Trt_vs_MS.NoTrt_F
ARHGEF28	0.00208	0.34056	0.173	0.3	1	MS.Trt_vs_MS.NoTrt_F
B3GNT4	0.00208	0.5663	0.155	0.27	1	MS.Trt_vs_MS.NoTrt_F
SLC25A45	0.00209	0.36983	0.978	0.98	1	MS.Trt_vs_MS.NoTrt_F
NDOR1	0.00209	-0.7868	0.079	0.17	1	MS.Trt_vs_MS.NoTrt_F
KIZ	0.00211	0.38045	0.119	0.23	1	MS.Trt_vs_MS.NoTrt_F
TMEM181	0.00211	-0.3095	0.489	0.63	1	MS.Trt_vs_MS.NoTrt_F
GPX2	0.00212	-0.8826	0.162	0.29	1	MS.Trt_vs_MS.NoTrt_F
DUSP6	0.00213	-0.2504	0.068	0.16	1	MS.Trt_vs_MS.NoTrt_F
ZDHHC8	0.00213	-0.3193	0.101	0.2	1	MS.Trt_vs_MS.NoTrt_F
PAIP2B	0.00214	-1.2838	0.209	0.34	1	MS.Trt_vs_MS.NoTrt_F
BLOC1S1	0.00214	0.58166	0.198	0.35	1	MS.Trt_vs_MS.NoTrt_F
TMEM216	0.00215	-0.4286	0.385	0.52	1	MS.Trt_vs_MS.NoTrt_F
FBL	0.00216	-0.3362	0.435	0.56	1	MS.Trt_vs_MS.NoTrt_F
RNF114	0.00216	-0.6227	0.665	0.8	1	MS.Trt_vs_MS.NoTrt_F
MCM6	0.00218	-0.257	0.108	0.22	1	MS.Trt_vs_MS.NoTrt_F
PTGES3L	0.00218	0.32848	0.845	0.82	1	MS.Trt_vs_MS.NoTrt_F
IQCB1	0.00218	-0.8233	0.101	0.2	1	MS.Trt_vs_MS.NoTrt_F
TUBA1A	0.00218	-0.5548	0.234	0.36	1	MS.Trt_vs_MS.NoTrt_F
UCHL3	0.00219	0.43312	0.144	0.27	1	MS.Trt_vs_MS.NoTrt_F
AGTPBP1	0.00219	0.5015	0.165	0.3	1	MS.Trt_vs_MS.NoTrt_F
TMEM128	0.00221	0.62881	0.155	0.28	1	MS.Trt_vs_MS.NoTrt_F
RC3H2	0.00222	-0.3285	0.482	0.61	1	MS.Trt_vs_MS.NoTrt_F



RHEB	0.00223	-0.2924	0.158	0.28	1	MS.Trt_vs_MS.NoTrt_F
NDUFS6	0.00225	0.40729	0.137	0.26	1	MS.Trt_vs_MS.NoTrt_F
LRCH4	0.00226	0.29292	0.446	0.61	1	MS.Trt_vs_MS.NoTrt_F
FANCL	0.00227	-0.4817	0.126	0.24	1	MS.Trt_vs_MS.NoTrt_F
RP11-529K1	0.00227	-0.4252	0.097	0.2	1	MS.Trt_vs_MS.NoTrt_F
SLC35B2	0.00227	-0.852	0.097	0.2	1	MS.Trt_vs_MS.NoTrt_F
GRPEL2	0.00228	0.2734	0.266	0.4	1	MS.Trt_vs_MS.NoTrt_F
SPIDR	0.00229	-0.725	0.306	0.42	1	MS.Trt_vs_MS.NoTrt_F
TSNARE1	0.00231	-0.5493	0.09	0.19	1	MS.Trt_vs_MS.NoTrt_F
SNRPC	0.00231	0.52066	0.227	0.39	1	MS.Trt_vs_MS.NoTrt_F
FKBP15	0.00232	-0.2975	0.133	0.25	1	MS.Trt_vs_MS.NoTrt_F
VRK2	0.00233	0.488	0.223	0.36	1	MS.Trt_vs_MS.NoTrt_F
SEPHS1	0.00233	-0.7488	0.086	0.18	1	MS.Trt_vs_MS.NoTrt_F
TSGA10	0.00234	-0.629	0.101	0.2	1	MS.Trt_vs_MS.NoTrt_F
BTN3A3	0.00236	-0.4085	0.227	0.35	1	MS.Trt_vs_MS.NoTrt_F
UBLCP1	0.0024	0.32051	0.176	0.31	1	MS.Trt_vs_MS.NoTrt_F
CACNA1D	0.0024	-0.2779	0.633	0.74	1	MS.Trt_vs_MS.NoTrt_F
PCYOX1L	0.00241	-0.8302	0.09	0.19	1	MS.Trt_vs_MS.NoTrt_F
ATP6V1H	0.00241	-0.4041	0.371	0.5	1	MS.Trt_vs_MS.NoTrt_F
POLR3C	0.00243	-0.3607	0.543	0.74	1	MS.Trt_vs_MS.NoTrt_F
ST3GAL3	0.00245	0.44523	0.766	0.89	1	MS.Trt_vs_MS.NoTrt_F
FAM49B	0.00245	-0.5988	0.96	0.98	1	MS.Trt_vs_MS.NoTrt_F
METTL5	0.00245	-0.5257	0.507	0.62	1	MS.Trt_vs_MS.NoTrt_F
RPS19	0.00245	0.43318	0.953	0.98	1	MS.Trt_vs_MS.NoTrt_F
MED4	0.00245	0.31515	0.622	0.79	1	MS.Trt_vs_MS.NoTrt_F
GTF3C6	0.00246	0.51562	0.162	0.3	1	MS.Trt_vs_MS.NoTrt_F
PSD4	0.00248	-0.3157	0.896	0.94	1	MS.Trt_vs_MS.NoTrt_F
ATP6V0C	0.00249	-0.4084	0.27	0.41	1	MS.Trt_vs_MS.NoTrt_F
CDKAL1	0.00252	-0.6446	0.529	0.67	1	MS.Trt_vs_MS.NoTrt_F
P2RY10	0.00252	-0.2509	0.338	0.48	1	MS.Trt_vs_MS.NoTrt_F
SMIM15	0.00253	-0.5335	0.115	0.22	1	MS.Trt_vs_MS.NoTrt_F
GYS1	0.00255	0.35077	0.155	0.28	1	MS.Trt_vs_MS.NoTrt_F
SUV39H1	0.00256	-1.2977	0.065	0.15	1	MS.Trt_vs_MS.NoTrt_F
DCTD	0.0026	0.25124	0.14	0.26	1	MS.Trt_vs_MS.NoTrt_F
PLEKHF2	0.0026	-0.2562	0.104	0.2	1	MS.Trt_vs_MS.NoTrt_F
NPB	0.0026	-0.2627	0.05	0.13	1	MS.Trt_vs_MS.NoTrt_F
TCEAL4	0.00261	-0.47	0.162	0.28	1	MS.Trt_vs_MS.NoTrt_F
ACYP1	0.00261	-0.2523	0.216	0.35	1	MS.Trt_vs_MS.NoTrt_F
ZNF391	0.00262	-0.3439	0.191	0.32	1	MS.Trt_vs_MS.NoTrt_F
C18orf21	0.00263	-0.4029	0.076	0.17	1	MS.Trt_vs_MS.NoTrt_F

TJP3	0.00263	-1.0267	0.108	0.21	1	MS.Trt_vs_MS.NoTrt_F
CCR6	0.00264	-0.4546	0.399	0.53	1	MS.Trt_vs_MS.NoTrt_F
FAM21C	0.00265	-0.2897	0.212	0.35	1	MS.Trt_vs_MS.NoTrt_F
ZMYM4	0.00266	-0.9075	0.151	0.26	1	MS.Trt_vs_MS.NoTrt_F
NIPSNAP3A	0.00267	-0.7539	0.072	0.16	1	MS.Trt_vs_MS.NoTrt_F
UNC119B	0.00268	-1.6639	0.065	0.15	1	MS.Trt_vs_MS.NoTrt_F
AL078584.1	0.00269	-0.9022	0.424	0.53	1	MS.Trt_vs_MS.NoTrt_F
NOP9	0.00271	-1.0439	0.061	0.14	1	MS.Trt_vs_MS.NoTrt_F
CGGBP1	0.00271	0.58754	0.205	0.34	1	MS.Trt_vs_MS.NoTrt_F
APEH	0.00271	-0.2559	0.191	0.32	1	MS.Trt_vs_MS.NoTrt_F
NEK1	0.00271	-0.3554	0.313	0.45	1	MS.Trt_vs_MS.NoTrt_F
TRIO	0.00271	-0.7488	0.065	0.15	1	MS.Trt_vs_MS.NoTrt_F
TXNDC12	0.00271	0.52033	0.158	0.28	1	MS.Trt_vs_MS.NoTrt_F
NOP10	0.00272	0.54621	0.234	0.4	1	MS.Trt_vs_MS.NoTrt_F
PFKL	0.00272	-0.4787	0.709	0.79	1	MS.Trt_vs_MS.NoTrt_F
USP25	0.00273	0.9334	0.374	0.56	1	MS.Trt_vs_MS.NoTrt_F
ZNHIT6	0.00273	-0.3613	0.392	0.51	1	MS.Trt_vs_MS.NoTrt_F
RHOBTB2	0.00273	-0.9747	0.079	0.17	1	MS.Trt_vs_MS.NoTrt_F
RGL2	0.00274	-0.4777	0.151	0.27	1	MS.Trt_vs_MS.NoTrt_F
FTSJ1	0.00275	0.36845	0.14	0.26	1	MS.Trt_vs_MS.NoTrt_F
BLOC1S2	0.00277	0.27139	0.5	0.66	1	MS.Trt_vs_MS.NoTrt_F
ARRB2	0.00277	-0.5162	0.766	0.88	1	MS.Trt_vs_MS.NoTrt_F
OSBPL11	0.00278	-0.2655	0.108	0.21	1	MS.Trt_vs_MS.NoTrt_F
ETAA1	0.00278	0.35125	0.147	0.27	1	MS.Trt_vs_MS.NoTrt_F
FOSL2	0.00278	-0.2925	0.245	0.39	1	MS.Trt_vs_MS.NoTrt_F
HMGA1	0.00278	-0.2541	0.176	0.3	1	MS.Trt_vs_MS.NoTrt_F
IRS2	0.00279	-0.4504	0.363	0.49	1	MS.Trt_vs_MS.NoTrt_F
PIGV	0.00279	-0.7876	0.068	0.16	1	MS.Trt_vs_MS.NoTrt_F
KCTD13	0.00279	0.41836	0.158	0.28	1	MS.Trt_vs_MS.NoTrt_F
IL17RB	0.0028	-2.2636	0.04	0.11	1	MS.Trt_vs_MS.NoTrt_F
MRPS14	0.0028	0.26966	0.169	0.3	1	MS.Trt_vs_MS.NoTrt_F
TOMM22	0.00283	-0.4443	0.201	0.33	1	MS.Trt_vs_MS.NoTrt_F
C2CD2	0.00283	-0.9367	0.219	0.33	1	MS.Trt_vs_MS.NoTrt_F
OCM	0.00286	-0.6639	0.04	0.11	1	MS.Trt_vs_MS.NoTrt_F
ZNF12	0.00286	-1.0712	0.317	0.45	1	MS.Trt_vs_MS.NoTrt_F
MRPL55	0.00286	0.89556	0.108	0.21	1	MS.Trt_vs_MS.NoTrt_F
ELP5	0.00287	-0.3559	0.112	0.22	1	MS.Trt_vs_MS.NoTrt_F
FHOD1	0.00287	1.12701	0.169	0.3	1	MS.Trt_vs_MS.NoTrt_F
SLC14A2	0.00288	-0.2554	0.633	0.79	1	MS.Trt_vs_MS.NoTrt_F
NUDT5	0.00288	0.40666	0.209	0.37	1	MS.Trt_vs_MS.NoTrt_F

BBS7	0.00289	-0.8809	0.072	0.16	1	MS.Trt_vs_MS.NoTrt_F
ALCAM	0.00289	-0.929	0.072	0.16	1	MS.Trt_vs_MS.NoTrt_F
FBXO21	0.0029	0.25641	0.169	0.3	1	MS.Trt_vs_MS.NoTrt_F
G2E3	0.00291	-0.5898	0.457	0.58	1	MS.Trt_vs_MS.NoTrt_F
DHX34	0.00291	0.38725	0.094	0.19	1	MS.Trt_vs_MS.NoTrt_F
ZBTB39	0.00292	-1.5226	0.043	0.12	1	MS.Trt_vs_MS.NoTrt_F
PDE4A	0.00293	-0.6198	0.115	0.22	1	MS.Trt_vs_MS.NoTrt_F
NFX1	0.00293	-0.5521	0.784	0.9	1	MS.Trt_vs_MS.NoTrt_F
PHF5A	0.00293	-0.3253	0.129	0.24	1	MS.Trt_vs_MS.NoTrt_F
COG5	0.00293	1.39773	0.198	0.34	1	MS.Trt_vs_MS.NoTrt_F
ADGRE1	0.00293	-0.3666	0.047	0.12	1	MS.Trt_vs_MS.NoTrt_F
PSMA4	0.00294	0.37355	0.356	0.5	1	MS.Trt_vs_MS.NoTrt_F
PLEC	0.00294	0.38083	0.309	0.48	1	MS.Trt_vs_MS.NoTrt_F
ZNF275	0.00295	-1.6346	0.058	0.14	1	MS.Trt_vs_MS.NoTrt_F
POFUT2	0.00295	-0.9693	0.072	0.16	1	MS.Trt_vs_MS.NoTrt_F
MAP3K14	0.00296	-0.3013	0.158	0.28	1	MS.Trt_vs_MS.NoTrt_F
NKRF	0.00296	-0.5851	0.083	0.18	1	MS.Trt_vs_MS.NoTrt_F
DUS2	0.00296	-0.9697	0.076	0.17	1	MS.Trt_vs_MS.NoTrt_F
NR1D1	0.00296	-0.5956	0.112	0.22	1	MS.Trt_vs_MS.NoTrt_F
NFKBIZ	0.00296	-0.3667	0.36	0.5	1	MS.Trt_vs_MS.NoTrt_F
DDX24	0.00296	-0.2797	0.532	0.67	1	MS.Trt_vs_MS.NoTrt_F
LMLN	0.00296	-1.6868	0.353	0.5	1	MS.Trt_vs_MS.NoTrt_F
UNC79	0.00297	-0.3878	0.317	0.45	1	MS.Trt_vs_MS.NoTrt_F
SPNS1	0.00299	-0.5545	0.755	0.92	1	MS.Trt_vs_MS.NoTrt_F
LEAP2	0.00299	-0.4845	0.23	0.38	1	MS.Trt_vs_MS.NoTrt_F
SNAPC4	0.00299	-0.2663	0.058	0.14	1	MS.Trt_vs_MS.NoTrt_F
INVS	0.00299	-0.9219	0.147	0.26	1	MS.Trt_vs_MS.NoTrt_F
EXOC6	0.003	-0.5763	0.259	0.38	1	MS.Trt_vs_MS.NoTrt_F
AC009950.1	0.00301	-0.4503	0.072	0.16	1	MS.Trt_vs_MS.NoTrt_F
SWT1	0.00301	-0.4859	0.076	0.17	1	MS.Trt_vs_MS.NoTrt_F
NT5DC1	0.00301	-0.3308	0.173	0.3	1	MS.Trt_vs_MS.NoTrt_F
PAGR1	0.00302	-0.2583	0.205	0.34	1	MS.Trt_vs_MS.NoTrt_F
IFIH1	0.00304	-1.2839	0.043	0.12	1	MS.Trt_vs_MS.NoTrt_F
FAM175B	0.00304	-0.69	0.068	0.16	1	MS.Trt_vs_MS.NoTrt_F
TDP1	0.00305	-0.3221	0.299	0.42	1	MS.Trt_vs_MS.NoTrt_F
GLOD4	0.00306	-0.3111	0.594	0.72	1	MS.Trt_vs_MS.NoTrt_F
CCT6A	0.00309	0.30839	0.46	0.67	1	MS.Trt_vs_MS.NoTrt_F
TMEM242	0.0031	-0.452	0.129	0.24	1	MS.Trt_vs_MS.NoTrt_F
NDUFA13	0.0031	0.32206	0.475	0.65	1	MS.Trt_vs_MS.NoTrt_F
ATIC	0.0031	-0.3846	0.338	0.46	1	MS.Trt_vs_MS.NoTrt_F

TAOK3	0.00312	0.41092	0.745	0.85	1 MS.Trt_vs_MS.NoTrt_F
TNPO3	0.00312	-0.5592	0.18	0.3	1 MS.Trt_vs_MS.NoTrt_F
STRBP	0.00312	-0.6763	0.572	0.72	1 MS.Trt_vs_MS.NoTrt_F
TGIF2	0.00312	-0.5618	0.27	0.41	1 MS.Trt_vs_MS.NoTrt_F
ARMC2	0.00313	-0.5293	0.097	0.19	1 MS.Trt_vs_MS.NoTrt_F
CMPK1	0.00314	0.26081	0.23	0.37	1 MS.Trt_vs_MS.NoTrt_F
CPNE2	0.00314	-0.5647	0.349	0.47	1 MS.Trt_vs_MS.NoTrt_F
TRMO	0.00314	-0.2823	0.144	0.27	1 MS.Trt_vs_MS.NoTrt_F
LTV1	0.00315	-0.3352	0.144	0.26	1 MS.Trt_vs_MS.NoTrt_F
NAT6	0.00316	0.38463	0.076	0.17	1 MS.Trt_vs_MS.NoTrt_F
MMP13	0.00316	-0.3166	0.101	0.2	1 MS.Trt_vs_MS.NoTrt_F
ZNF600	0.00319	-0.7043	0.201	0.32	1 MS.Trt_vs_MS.NoTrt_F
LYRM5	0.0032	-0.5879	0.079	0.17	1 MS.Trt_vs_MS.NoTrt_F
SNX20	0.0032	-0.3216	0.446	0.56	1 MS.Trt_vs_MS.NoTrt_F
MLANA	0.00323	-0.3215	0.385	0.55	1 MS.Trt_vs_MS.NoTrt_F
PHF2	0.00323	0.49625	0.072	0.16	1 MS.Trt_vs_MS.NoTrt_F
FAM98A	0.00324	0.37517	0.072	0.16	1 MS.Trt_vs_MS.NoTrt_F
CTD-2116N1	0.00324	-0.4207	0.047	0.12	1 MS.Trt_vs_MS.NoTrt_F
C10orf76	0.00324	-0.4974	0.331	0.47	1 MS.Trt_vs_MS.NoTrt_F
RP11-619A1	0.00325	-0.4157	0.565	0.7	1 MS.Trt_vs_MS.NoTrt_F
LZTS2	0.00326	-0.6518	0.058	0.14	1 MS.Trt_vs_MS.NoTrt_F
EIF3C	0.00327	-0.3336	0.748	0.83	1 MS.Trt_vs_MS.NoTrt_F
SLC25A25	0.00329	0.26691	0.108	0.21	1 MS.Trt_vs_MS.NoTrt_F
SART1	0.0033	-1.2669	0.288	0.42	1 MS.Trt_vs_MS.NoTrt_F
TTLL12	0.00331	-0.7772	0.065	0.15	1 MS.Trt_vs_MS.NoTrt_F
FAM8A1	0.00331	0.34721	0.061	0.14	1 MS.Trt_vs_MS.NoTrt_F
TGFB111	0.00331	0.53048	0.245	0.38	1 MS.Trt_vs_MS.NoTrt_F
LSM1	0.00334	0.26942	0.133	0.25	1 MS.Trt_vs_MS.NoTrt_F
DEK	0.00336	0.36797	0.41	0.55	1 MS.Trt_vs_MS.NoTrt_F
INPPL1	0.00338	0.66991	0.09	0.19	1 MS.Trt_vs_MS.NoTrt_F
USPL1	0.00338	0.53422	0.108	0.21	1 MS.Trt_vs_MS.NoTrt_F
ZDHHC18	0.00339	-0.3082	0.101	0.2	1 MS.Trt_vs_MS.NoTrt_F
FCHO1	0.0034	-1.2734	0.73	0.82	1 MS.Trt_vs_MS.NoTrt_F
TAF10	0.0034	-0.6501	0.101	0.2	1 MS.Trt_vs_MS.NoTrt_F
KLC4	0.00341	-0.2779	0.795	0.86	1 MS.Trt_vs_MS.NoTrt_F
NUTM2B	0.00342	-0.4166	0.065	0.15	1 MS.Trt_vs_MS.NoTrt_F
ZNF224	0.00346	-0.8051	0.45	0.56	1 MS.Trt_vs_MS.NoTrt_F
CREBL2	0.00348	-0.4668	0.112	0.21	1 MS.Trt_vs_MS.NoTrt_F
TMEM258	0.00348	0.58709	0.309	0.45	1 MS.Trt_vs_MS.NoTrt_F
DIDO1	0.0035	0.30603	0.201	0.34	1 MS.Trt_vs_MS.NoTrt_F

BEX4	0.0035	0.33623	0.122	0.24	1 MS.Trt_vs_MS.NoTrt_F
TCEAL3	0.00351	-0.3413	0.133	0.24	1 MS.Trt_vs_MS.NoTrt_F
ARL15	0.00354	0.47588	0.083	0.18	1 MS.Trt_vs_MS.NoTrt_F
NET1	0.00355	-0.4668	0.104	0.2	1 MS.Trt_vs_MS.NoTrt_F
PLD2	0.00356	-0.503	0.09	0.18	1 MS.Trt_vs_MS.NoTrt_F
PIM3	0.00356	-0.3504	0.129	0.24	1 MS.Trt_vs_MS.NoTrt_F
TBC1D22B	0.00356	-0.8381	0.09	0.18	1 MS.Trt_vs_MS.NoTrt_F
TOR2A	0.00357	0.48698	0.101	0.2	1 MS.Trt_vs_MS.NoTrt_F
UBE2B	0.00358	0.29944	0.676	0.79	1 MS.Trt_vs_MS.NoTrt_F
SEC23B	0.0036	-0.4197	0.147	0.26	1 MS.Trt_vs_MS.NoTrt_F
ESD	0.0036	0.36067	0.151	0.27	1 MS.Trt_vs_MS.NoTrt_F
DNAJC8	0.00361	0.278	0.266	0.43	1 MS.Trt_vs_MS.NoTrt_F
ZNF92	0.00361	-0.9751	0.126	0.23	1 MS.Trt_vs_MS.NoTrt_F
DAGLB	0.00361	-0.3525	0.741	0.88	1 MS.Trt_vs_MS.NoTrt_F
TLK2	0.00361	-0.4096	0.345	0.49	1 MS.Trt_vs_MS.NoTrt_F
RP11-49K24	0.00363	-0.4736	0.147	0.27	1 MS.Trt_vs_MS.NoTrt_F
PIK3R1	0.00364	-0.4046	0.327	0.45	1 MS.Trt_vs_MS.NoTrt_F
WDR44	0.00364	-0.5433	0.119	0.22	1 MS.Trt_vs_MS.NoTrt_F
THAP2	0.00365	-0.4626	0.104	0.2	1 MS.Trt_vs_MS.NoTrt_F
PSMC1	0.00368	-0.3415	0.342	0.46	1 MS.Trt_vs_MS.NoTrt_F
IMPA1	0.00368	0.58343	0.338	0.48	1 MS.Trt_vs_MS.NoTrt_F
LAMTOR1	0.0037	0.45802	0.219	0.37	1 MS.Trt_vs_MS.NoTrt_F
RP3-461F17	0.00371	0.25499	0.194	0.32	1 MS.Trt_vs_MS.NoTrt_F
PPM1A	0.00371	-0.4171	0.183	0.31	1 MS.Trt_vs_MS.NoTrt_F
PLEKHM3	0.00373	-0.7622	0.478	0.62	1 MS.Trt_vs_MS.NoTrt_F
PRPS2	0.00373	-0.6151	0.126	0.23	1 MS.Trt_vs_MS.NoTrt_F
CIC	0.00375	-0.4054	0.079	0.17	1 MS.Trt_vs_MS.NoTrt_F
DUS1L	0.00376	1.09009	0.086	0.18	1 MS.Trt_vs_MS.NoTrt_F
ATP2C1	0.00377	-0.6482	0.183	0.3	1 MS.Trt_vs_MS.NoTrt_F
RYK	0.00377	-0.623	0.083	0.17	1 MS.Trt_vs_MS.NoTrt_F
ATG9A	0.00377	-0.3588	0.097	0.19	1 MS.Trt_vs_MS.NoTrt_F
RPS6KC1	0.00378	-0.68	0.097	0.19	1 MS.Trt_vs_MS.NoTrt_F
MLEC	0.0038	-0.3419	0.101	0.2	1 MS.Trt_vs_MS.NoTrt_F
CMIP	0.0038	-1.0963	0.09	0.18	1 MS.Trt_vs_MS.NoTrt_F
PRDM8	0.00381	-0.5484	0.086	0.18	1 MS.Trt_vs_MS.NoTrt_F
RRS1	0.00381	-0.519	0.108	0.21	1 MS.Trt_vs_MS.NoTrt_F
ADAM8	0.00382	0.26937	0.201	0.34	1 MS.Trt_vs_MS.NoTrt_F
NLE1	0.00385	-1.0076	0.223	0.35	1 MS.Trt_vs_MS.NoTrt_F
CUL4A	0.00386	-0.3837	0.759	0.83	1 MS.Trt_vs_MS.NoTrt_F
MT1F	0.00386	0.3705	0.108	0.21	1 MS.Trt_vs_MS.NoTrt_F

TNFAIP1	0.00387	-0.547	0.086	0.18	1	MS.Trt_vs_MS.NoTrt_F
PSD3	0.00387	-0.5998	0.306	0.45	1	MS.Trt_vs_MS.NoTrt_F
NBPF3	0.00387	0.96172	0.403	0.54	1	MS.Trt_vs_MS.NoTrt_F
ZRANB1	0.00387	-0.3666	0.122	0.22	1	MS.Trt_vs_MS.NoTrt_F
FAM196B	0.00388	-0.5295	0.086	0.18	1	MS.Trt_vs_MS.NoTrt_F
SLC25A37	0.00388	0.62514	0.622	0.8	1	MS.Trt_vs_MS.NoTrt_F
C6orf223	0.00388	-0.362	0.219	0.34	1	MS.Trt_vs_MS.NoTrt_F
SEMA4B	0.00389	-0.6403	0.349	0.48	1	MS.Trt_vs_MS.NoTrt_F
CAPG	0.0039	-0.3483	0.144	0.25	1	MS.Trt_vs_MS.NoTrt_F
POLE4	0.00392	-0.5307	0.112	0.21	1	MS.Trt_vs_MS.NoTrt_F
METTL10	0.00392	0.30961	0.324	0.46	1	MS.Trt_vs_MS.NoTrt_F
CAPRN2	0.00392	-1.2165	0.673	0.8	1	MS.Trt_vs_MS.NoTrt_F
DCAF4	0.00394	0.46598	0.536	0.66	1	MS.Trt_vs_MS.NoTrt_F
RBM27	0.00395	-0.4295	0.133	0.24	1	MS.Trt_vs_MS.NoTrt_F
ZNF44	0.00395	0.39606	0.579	0.69	1	MS.Trt_vs_MS.NoTrt_F
EVI2A	0.00396	0.60927	0.191	0.33	1	MS.Trt_vs_MS.NoTrt_F
HPS3	0.00397	0.38062	0.241	0.37	1	MS.Trt_vs_MS.NoTrt_F
SDHD	0.00398	-0.4118	0.633	0.75	1	MS.Trt_vs_MS.NoTrt_F
TNFRSF4	0.00398	0.52142	0.165	0.29	1	MS.Trt_vs_MS.NoTrt_F
ASNA1	0.00399	-0.327	0.086	0.18	1	MS.Trt_vs_MS.NoTrt_F
HOXB3	0.00401	-0.3121	0.065	0.14	1	MS.Trt_vs_MS.NoTrt_F
TRIM23	0.00401	-1.555	0.079	0.17	1	MS.Trt_vs_MS.NoTrt_F
C8orf44	0.00402	-0.6029	0.439	0.58	1	MS.Trt_vs_MS.NoTrt_F
RCL1	0.00403	0.39182	0.396	0.52	1	MS.Trt_vs_MS.NoTrt_F
VPS52	0.00404	-0.4973	0.158	0.27	1	MS.Trt_vs_MS.NoTrt_F
SNX10	0.00405	0.65226	0.133	0.24	1	MS.Trt_vs_MS.NoTrt_F
RAB37	0.00406	-0.442	0.32	0.46	1	MS.Trt_vs_MS.NoTrt_F
HIGD2A	0.00408	0.44408	0.288	0.46	1	MS.Trt_vs_MS.NoTrt_F
GRB2	0.0041	0.36806	0.647	0.79	1	MS.Trt_vs_MS.NoTrt_F
FIS1	0.0041	0.29286	0.259	0.41	1	MS.Trt_vs_MS.NoTrt_F
TRPT1	0.0041	-0.4605	0.115	0.22	1	MS.Trt_vs_MS.NoTrt_F
CYCS	0.00414	-0.6067	0.741	0.81	1	MS.Trt_vs_MS.NoTrt_F
ERMARD	0.00414	-0.292	0.104	0.2	1	MS.Trt_vs_MS.NoTrt_F
ADORA2A	0.00415	-0.2557	0.151	0.27	1	MS.Trt_vs_MS.NoTrt_F
MED28	0.00416	-0.8852	0.867	0.92	1	MS.Trt_vs_MS.NoTrt_F
YKT6	0.00417	0.25601	0.115	0.22	1	MS.Trt_vs_MS.NoTrt_F
KLF12	0.00417	-0.3948	0.353	0.5	1	MS.Trt_vs_MS.NoTrt_F
SLC9A1	0.00417	0.94512	0.187	0.32	1	MS.Trt_vs_MS.NoTrt_F
MAN1C1	0.00418	0.63112	0.899	0.85	1	MS.Trt_vs_MS.NoTrt_F
ZFYVE19	0.00418	-0.6919	0.108	0.2	1	MS.Trt_vs_MS.NoTrt_F

FRG2C	0.00418	-0.3016	0.169	0.29	1 MS.Trt_vs_MS.NoTrt_F
SOCS1	0.00419	-0.2649	0.094	0.19	1 MS.Trt_vs_MS.NoTrt_F
ADARB1	0.00419	-0.9446	0.209	0.34	1 MS.Trt_vs_MS.NoTrt_F
XPR1	0.00419	0.30261	0.302	0.45	1 MS.Trt_vs_MS.NoTrt_F
C6orf1	0.0042	0.28327	0.133	0.25	1 MS.Trt_vs_MS.NoTrt_F
PAPD7	0.00421	-1.4353	0.097	0.19	1 MS.Trt_vs_MS.NoTrt_F
MECR	0.00421	-0.7778	0.284	0.44	1 MS.Trt_vs_MS.NoTrt_F
PORCN	0.00421	-1.0586	0.079	0.17	1 MS.Trt_vs_MS.NoTrt_F
LAMTOR3	0.00422	0.32121	0.356	0.53	1 MS.Trt_vs_MS.NoTrt_F
ICAM1	0.00424	0.26139	0.424	0.61	1 MS.Trt_vs_MS.NoTrt_F
RABEP2	0.00425	-0.3942	0.518	0.63	1 MS.Trt_vs_MS.NoTrt_F
TAF1B	0.00425	-0.3065	0.468	0.63	1 MS.Trt_vs_MS.NoTrt_F
HECA	0.00426	0.47034	0.496	0.65	1 MS.Trt_vs_MS.NoTrt_F
CASC3	0.00426	-0.3904	0.529	0.65	1 MS.Trt_vs_MS.NoTrt_F
AKAP2	0.00427	-0.3052	0.234	0.38	1 MS.Trt_vs_MS.NoTrt_F
IMPAD1	0.00427	-0.312	0.475	0.62	1 MS.Trt_vs_MS.NoTrt_F
C3orf38	0.00429	-1.2547	0.101	0.19	1 MS.Trt_vs_MS.NoTrt_F
CLCN7	0.00429	-0.3796	0.263	0.4	1 MS.Trt_vs_MS.NoTrt_F
AAAS	0.0043	-0.3282	0.119	0.22	1 MS.Trt_vs_MS.NoTrt_F
WDR5B	0.0043	-1.9872	0.191	0.3	1 MS.Trt_vs_MS.NoTrt_F
DIAPH2	0.00431	-0.5394	0.317	0.46	1 MS.Trt_vs_MS.NoTrt_F
DENND4C	0.00431	-0.2566	0.338	0.48	1 MS.Trt_vs_MS.NoTrt_F
5-Mar	0.00432	-0.3318	0.209	0.33	1 MS.Trt_vs_MS.NoTrt_F
RIC1	0.00432	-0.3765	0.126	0.23	1 MS.Trt_vs_MS.NoTrt_F
CDK6	0.00432	0.46304	0.147	0.27	1 MS.Trt_vs_MS.NoTrt_F
ABT1	0.00434	0.34965	0.194	0.33	1 MS.Trt_vs_MS.NoTrt_F
SLC6A6	0.00435	0.48731	0.194	0.33	1 MS.Trt_vs_MS.NoTrt_F
MRRF	0.00435	-0.9689	0.583	0.67	1 MS.Trt_vs_MS.NoTrt_F
CHPF2	0.00435	-0.4101	0.115	0.22	1 MS.Trt_vs_MS.NoTrt_F
CPSF3	0.00435	-0.6558	0.108	0.2	1 MS.Trt_vs_MS.NoTrt_F
RPGRIP1	0.00438	0.38378	0.248	0.38	1 MS.Trt_vs_MS.NoTrt_F
FAM46A	0.00438	-0.3704	0.083	0.17	1 MS.Trt_vs_MS.NoTrt_F
REC8	0.00438	-0.6153	0.112	0.21	1 MS.Trt_vs_MS.NoTrt_F
GAR1	0.00438	-0.4605	0.068	0.15	1 MS.Trt_vs_MS.NoTrt_F
SUB1	0.00439	0.29926	0.554	0.74	1 MS.Trt_vs_MS.NoTrt_F
COA3	0.00441	0.28921	0.147	0.27	1 MS.Trt_vs_MS.NoTrt_F
AP1S1	0.00441	-0.4326	0.076	0.16	1 MS.Trt_vs_MS.NoTrt_F
SPG20	0.00442	-0.3711	0.112	0.21	1 MS.Trt_vs_MS.NoTrt_F
SLC25A1	0.0045	0.28339	0.097	0.19	1 MS.Trt_vs_MS.NoTrt_F
NPEPL1	0.00451	0.7314	0.147	0.27	1 MS.Trt_vs_MS.NoTrt_F

LMCD1	0.00452	1.03128	0.266	0.39	1	MS.Trt_vs_MS.NoTrt_F
RP11-159D1	0.00452	-0.3031	0.147	0.26	1	MS.Trt_vs_MS.NoTrt_F
CPA5	0.00453	-1.2044	0.054	0.13	1	MS.Trt_vs_MS.NoTrt_F
KIAA1143	0.00453	-0.8576	0.475	0.61	1	MS.Trt_vs_MS.NoTrt_F
KCNC2	0.00454	-0.2516	0.349	0.48	1	MS.Trt_vs_MS.NoTrt_F
EZH2	0.00454	-0.6758	0.133	0.24	1	MS.Trt_vs_MS.NoTrt_F
KLHL42	0.00455	-0.4751	0.115	0.21	1	MS.Trt_vs_MS.NoTrt_F
FAR1	0.00456	-0.6858	0.09	0.18	1	MS.Trt_vs_MS.NoTrt_F
MCMBP	0.00458	0.48902	0.464	0.6	1	MS.Trt_vs_MS.NoTrt_F
TRIM35	0.00459	0.30755	0.223	0.38	1	MS.Trt_vs_MS.NoTrt_F
MON1A	0.00459	-0.9595	0.083	0.17	1	MS.Trt_vs_MS.NoTrt_F
GIMAP8	0.00461	0.5001	0.09	0.18	1	MS.Trt_vs_MS.NoTrt_F
MRPL38	0.00462	-0.2919	0.406	0.53	1	MS.Trt_vs_MS.NoTrt_F
SECISBP2L	0.00465	-0.2634	0.683	0.83	1	MS.Trt_vs_MS.NoTrt_F
PRR4	0.00466	0.33659	0.259	0.4	1	MS.Trt_vs_MS.NoTrt_F
SLC25A38	0.00467	-0.6696	0.104	0.2	1	MS.Trt_vs_MS.NoTrt_F
ODC1	0.00468	0.52659	0.101	0.2	1	MS.Trt_vs_MS.NoTrt_F
SLC7A1	0.00468	-0.8087	0.101	0.19	1	MS.Trt_vs_MS.NoTrt_F
RASSF1	0.00469	-0.2781	0.223	0.35	1	MS.Trt_vs_MS.NoTrt_F
RITA1	0.0047	-0.7143	0.061	0.14	1	MS.Trt_vs_MS.NoTrt_F
TDRKH	0.0047	-0.3195	0.086	0.18	1	MS.Trt_vs_MS.NoTrt_F
WWP1	0.00472	0.29466	0.424	0.59	1	MS.Trt_vs_MS.NoTrt_F
PRKAG1	0.00473	0.51102	0.525	0.68	1	MS.Trt_vs_MS.NoTrt_F
PPP1R12C	0.00475	-0.3627	0.076	0.16	1	MS.Trt_vs_MS.NoTrt_F
FAM50B	0.00475	-1.3568	0.061	0.14	1	MS.Trt_vs_MS.NoTrt_F
SCN1A	0.00476	-0.2752	0.342	0.48	1	MS.Trt_vs_MS.NoTrt_F
CHTOP	0.00476	0.31842	0.55	0.7	1	MS.Trt_vs_MS.NoTrt_F
GRIP1	0.00476	-0.507	0.061	0.14	1	MS.Trt_vs_MS.NoTrt_F
CCDC65	0.00478	-0.3406	0.083	0.17	1	MS.Trt_vs_MS.NoTrt_F
RGPD1	0.00478	-0.4906	0.223	0.35	1	MS.Trt_vs_MS.NoTrt_F
CRIP1	0.00478	0.35446	0.432	0.64	1	MS.Trt_vs_MS.NoTrt_F
CFAP36	0.00479	-0.8438	0.392	0.5	1	MS.Trt_vs_MS.NoTrt_F
KAT2B	0.0048	0.37517	0.237	0.39	1	MS.Trt_vs_MS.NoTrt_F
ADAM17	0.00481	-0.2836	0.076	0.16	1	MS.Trt_vs_MS.NoTrt_F
GBP3	0.00481	0.27325	0.201	0.33	1	MS.Trt_vs_MS.NoTrt_F
TRAPPC13	0.00481	0.46194	0.14	0.24	1	MS.Trt_vs_MS.NoTrt_F
TET3	0.00483	-0.6413	0.083	0.17	1	MS.Trt_vs_MS.NoTrt_F
AP4B1	0.00484	0.36239	0.604	0.74	1	MS.Trt_vs_MS.NoTrt_F
PDCD11	0.00484	0.58147	0.219	0.35	1	MS.Trt_vs_MS.NoTrt_F
DDX11	0.00484	-0.258	0.385	0.5	1	MS.Trt_vs_MS.NoTrt_F



SNX2	0.00485	-0.2953	0.633	0.74	1	MS.Trt_vs_MS.NoTrt_F
ZNF770	0.00488	-0.5107	0.291	0.41	1	MS.Trt_vs_MS.NoTrt_F
LEMD2	0.00488	-0.4884	0.094	0.19	1	MS.Trt_vs_MS.NoTrt_F
SLC25A28	0.00488	-0.8105	0.061	0.14	1	MS.Trt_vs_MS.NoTrt_F
NAA20	0.00488	0.42713	0.133	0.24	1	MS.Trt_vs_MS.NoTrt_F
C16orf58	0.00489	0.52286	0.14	0.25	1	MS.Trt_vs_MS.NoTrt_F
DAPK3	0.0049	-0.3049	0.112	0.21	1	MS.Trt_vs_MS.NoTrt_F
ASB13	0.00491	-1.6754	0.112	0.21	1	MS.Trt_vs_MS.NoTrt_F
ZYG11B	0.00492	-0.3787	0.687	0.82	1	MS.Trt_vs_MS.NoTrt_F
GTF2H2C	0.00492	0.52116	0.342	0.49	1	MS.Trt_vs_MS.NoTrt_F
WDR81	0.00494	0.62584	0.076	0.16	1	MS.Trt_vs_MS.NoTrt_F
PHF12	0.00495	-0.387	0.662	0.75	1	MS.Trt_vs_MS.NoTrt_F
TAF5L	0.00495	-0.7645	0.173	0.3	1	MS.Trt_vs_MS.NoTrt_F
MFSD12	0.00497	-0.4213	0.219	0.34	1	MS.Trt_vs_MS.NoTrt_F
C1orf131	0.00497	0.86801	0.586	0.71	1	MS.Trt_vs_MS.NoTrt_F
TCEB2	0.00498	0.64579	0.32	0.52	1	MS.Trt_vs_MS.NoTrt_F
DDX31	0.005	-0.9862	0.068	0.15	1	MS.Trt_vs_MS.NoTrt_F
HBS1L	0.005	0.45766	0.522	0.68	1	MS.Trt_vs_MS.NoTrt_F
MYO18A	0.00501	-0.5371	0.514	0.65	1	MS.Trt_vs_MS.NoTrt_F
LIPA	0.00502	-0.572	0.284	0.41	1	MS.Trt_vs_MS.NoTrt_F
C9orf69	0.00502	-1.0173	0.054	0.13	1	MS.Trt_vs_MS.NoTrt_F
GPRASP1	0.00503	-0.7913	0.061	0.14	1	MS.Trt_vs_MS.NoTrt_F
MATR3	0.00503	-0.3613	0.932	0.96	1	MS.Trt_vs_MS.NoTrt_F
C4orf33	0.00503	0.8848	0.079	0.17	1	MS.Trt_vs_MS.NoTrt_F
UBXN7	0.00503	-0.3767	0.777	0.88	1	MS.Trt_vs_MS.NoTrt_F
HHLA3	0.00504	-0.4798	0.302	0.43	1	MS.Trt_vs_MS.NoTrt_F
ZNF446	0.00505	-0.914	0.054	0.13	1	MS.Trt_vs_MS.NoTrt_F
ZNF644	0.00506	0.38966	0.209	0.34	1	MS.Trt_vs_MS.NoTrt_F
MARK2	0.00507	-0.4798	0.173	0.29	1	MS.Trt_vs_MS.NoTrt_F
DLG3	0.00507	-1.0683	0.047	0.12	1	MS.Trt_vs_MS.NoTrt_F
GPR34	0.00508	-0.6162	0.068	0.15	1	MS.Trt_vs_MS.NoTrt_F
ST3GAL1	0.00509	-0.2991	0.234	0.34	1	MS.Trt_vs_MS.NoTrt_F
ATP5E	0.00511	0.65283	0.417	0.67	1	MS.Trt_vs_MS.NoTrt_F
C21orf91	0.00512	0.53481	0.18	0.3	1	MS.Trt_vs_MS.NoTrt_F
RING1	0.00512	0.30983	0.079	0.17	1	MS.Trt_vs_MS.NoTrt_F
CHML	0.00514	1.25672	0.209	0.34	1	MS.Trt_vs_MS.NoTrt_F
DMAP1	0.00515	-0.5633	0.432	0.55	1	MS.Trt_vs_MS.NoTrt_F
C7orf25	0.00515	-2.0323	0.04	0.11	1	MS.Trt_vs_MS.NoTrt_F
TADA1	0.00516	0.32313	0.086	0.18	1	MS.Trt_vs_MS.NoTrt_F
ARHGAP19	0.00518	0.41317	0.299	0.44	1	MS.Trt_vs_MS.NoTrt_F

ST8SIA4	0.00518	-0.4626	0.737	0.81	1	MS.Trt_vs_MS.NoTrt_F
RBM12	0.00518	0.26738	0.147	0.27	1	MS.Trt_vs_MS.NoTrt_F
AFF4	0.00518	-0.6844	0.482	0.61	1	MS.Trt_vs_MS.NoTrt_F
TPP1	0.00519	0.45264	0.317	0.5	1	MS.Trt_vs_MS.NoTrt_F
TRAFD1	0.00524	-0.2929	0.227	0.35	1	MS.Trt_vs_MS.NoTrt_F
OVCA2	0.00524	0.42589	0.101	0.2	1	MS.Trt_vs_MS.NoTrt_F
RAB2B	0.00524	-0.3764	0.637	0.74	1	MS.Trt_vs_MS.NoTrt_F
GSK3B	0.00526	-0.8361	0.683	0.81	1	MS.Trt_vs_MS.NoTrt_F
GPR146	0.00526	0.33952	0.09	0.18	1	MS.Trt_vs_MS.NoTrt_F
FBF1	0.00527	0.60712	0.058	0.13	1	MS.Trt_vs_MS.NoTrt_F
HEMGN	0.00528	-0.7456	0.104	0.2	1	MS.Trt_vs_MS.NoTrt_F
STK17A	0.00528	-0.3136	0.291	0.44	1	MS.Trt_vs_MS.NoTrt_F
DHX33	0.0053	0.26885	0.349	0.49	1	MS.Trt_vs_MS.NoTrt_F
IFT52	0.00531	-0.3071	0.086	0.18	1	MS.Trt_vs_MS.NoTrt_F
GABPA	0.00531	-0.8383	0.108	0.2	1	MS.Trt_vs_MS.NoTrt_F
ATP1B3	0.00532	0.32345	0.144	0.26	1	MS.Trt_vs_MS.NoTrt_F
PRR7	0.00533	-0.3432	0.05	0.12	1	MS.Trt_vs_MS.NoTrt_F
PDHX	0.00534	-0.2792	0.637	0.76	1	MS.Trt_vs_MS.NoTrt_F
SNX29	0.00536	-0.7403	0.781	0.86	1	MS.Trt_vs_MS.NoTrt_F
GAB3	0.0054	0.7765	0.363	0.51	1	MS.Trt_vs_MS.NoTrt_F
DNAH8	0.0054	0.88362	0.065	0.14	1	MS.Trt_vs_MS.NoTrt_F
EIF2B3	0.00541	-0.6144	0.424	0.53	1	MS.Trt_vs_MS.NoTrt_F
CEACAM4	0.00541	-0.3749	0.101	0.19	1	MS.Trt_vs_MS.NoTrt_F
RPP25L	0.00541	0.45506	0.072	0.16	1	MS.Trt_vs_MS.NoTrt_F
PLS3	0.00545	0.38427	0.353	0.52	1	MS.Trt_vs_MS.NoTrt_F
EPC2	0.00547	-0.6496	0.101	0.19	1	MS.Trt_vs_MS.NoTrt_F
AASDH	0.00547	0.3254	0.094	0.19	1	MS.Trt_vs_MS.NoTrt_F
RNF13	0.00548	0.52271	0.173	0.3	1	MS.Trt_vs_MS.NoTrt_F
ADAL	0.00552	-0.7735	0.421	0.58	1	MS.Trt_vs_MS.NoTrt_F
KIAA1324L	0.00553	0.52357	0.054	0.13	1	MS.Trt_vs_MS.NoTrt_F
ARPC1A	0.00554	0.51129	0.245	0.38	1	MS.Trt_vs_MS.NoTrt_F
GCHFR	0.00556	0.69776	0.09	0.18	1	MS.Trt_vs_MS.NoTrt_F
LEMD3	0.00556	-0.2835	0.594	0.74	1	MS.Trt_vs_MS.NoTrt_F
COX7A2	0.00558	0.29256	0.705	0.8	1	MS.Trt_vs_MS.NoTrt_F
DFNA5	0.00559	-0.3485	0.119	0.22	1	MS.Trt_vs_MS.NoTrt_F
ATP6V0B	0.00562	0.37231	0.187	0.32	1	MS.Trt_vs_MS.NoTrt_F
C9orf131	0.00563	-1.2394	0.126	0.22	1	MS.Trt_vs_MS.NoTrt_F
NAA38	0.00563	0.55823	0.129	0.24	1	MS.Trt_vs_MS.NoTrt_F
C2orf68	0.00564	0.69774	0.827	0.8	1	MS.Trt_vs_MS.NoTrt_F
ADGRV1	0.00565	-0.2575	0.183	0.3	1	MS.Trt_vs_MS.NoTrt_F

HLA-DRB5	0.00567	-1.1204	0.115	0.21	1	MS.Trt_vs_MS.NoTrt_F
MGAT2	0.00568	-0.5529	0.126	0.23	1	MS.Trt_vs_MS.NoTrt_F
RAB40C	0.00568	-1.0094	0.043	0.11	1	MS.Trt_vs_MS.NoTrt_F
DDB1	0.0057	-0.2736	0.881	0.88	1	MS.Trt_vs_MS.NoTrt_F
INTS10	0.00573	-0.2921	0.543	0.69	1	MS.Trt_vs_MS.NoTrt_F
CTD-2369P2	0.00573	0.94027	0.076	0.16	1	MS.Trt_vs_MS.NoTrt_F
ZNF146	0.00573	0.35756	0.194	0.32	1	MS.Trt_vs_MS.NoTrt_F
RAI1	0.00574	-0.6545	0.176	0.29	1	MS.Trt_vs_MS.NoTrt_F
PEMT	0.00576	0.69877	0.072	0.16	1	MS.Trt_vs_MS.NoTrt_F
PGM3	0.00577	1.02161	0.23	0.37	1	MS.Trt_vs_MS.NoTrt_F
COG4	0.00577	-0.4312	0.68	0.79	1	MS.Trt_vs_MS.NoTrt_F
FAM134C	0.00577	-0.3024	0.629	0.74	1	MS.Trt_vs_MS.NoTrt_F
NCOR2	0.00582	0.27901	0.363	0.5	1	MS.Trt_vs_MS.NoTrt_F
PPIF	0.00588	-0.6984	0.094	0.18	1	MS.Trt_vs_MS.NoTrt_F
MPG	0.00589	0.25714	0.173	0.3	1	MS.Trt_vs_MS.NoTrt_F
GLB1	0.0059	-0.6687	0.248	0.37	1	MS.Trt_vs_MS.NoTrt_F
WDR45B	0.0059	-0.3624	0.381	0.53	1	MS.Trt_vs_MS.NoTrt_F
SPECC1L	0.00593	0.27609	0.122	0.23	1	MS.Trt_vs_MS.NoTrt_F
FBXO41	0.00594	0.33106	0.061	0.14	1	MS.Trt_vs_MS.NoTrt_F
SMIM4	0.00598	-0.8831	0.079	0.16	1	MS.Trt_vs_MS.NoTrt_F
COX6B1	0.00599	0.27956	0.18	0.29	1	MS.Trt_vs_MS.NoTrt_F
ORC3	0.00599	0.849	0.165	0.28	1	MS.Trt_vs_MS.NoTrt_F
S1PR3	0.00601	0.33909	0.802	0.71	1	MS.Trt_vs_MS.NoTrt_F
PER3	0.00602	-1.4539	0.086	0.17	1	MS.Trt_vs_MS.NoTrt_F
RHBDD2	0.00604	-0.3427	0.241	0.37	1	MS.Trt_vs_MS.NoTrt_F
FAM210B	0.00604	-1.2441	0.338	0.46	1	MS.Trt_vs_MS.NoTrt_F
HIST2H4A	0.00605	-0.5052	0.094	0.18	1	MS.Trt_vs_MS.NoTrt_F
SAT2	0.00605	-0.3261	0.122	0.22	1	MS.Trt_vs_MS.NoTrt_F
TMEM254	0.00608	-0.5406	0.112	0.21	1	MS.Trt_vs_MS.NoTrt_F
FKBP10	0.00608	-0.4151	0.349	0.5	1	MS.Trt_vs_MS.NoTrt_F
TRMT44	0.00609	-0.5698	0.23	0.37	1	MS.Trt_vs_MS.NoTrt_F
DSN1	0.00609	-0.6251	0.219	0.34	1	MS.Trt_vs_MS.NoTrt_F
MRPL41	0.00611	0.34617	0.176	0.3	1	MS.Trt_vs_MS.NoTrt_F
SIRT1	0.00611	0.34125	0.137	0.24	1	MS.Trt_vs_MS.NoTrt_F
EMC7	0.00611	0.26273	0.205	0.34	1	MS.Trt_vs_MS.NoTrt_F
DNASE1L3	0.00612	-0.2768	0.338	0.5	1	MS.Trt_vs_MS.NoTrt_F
KDM4B	0.00613	-0.8109	0.59	0.71	1	MS.Trt_vs_MS.NoTrt_F
AIMP2	0.00614	-0.5495	0.288	0.42	1	MS.Trt_vs_MS.NoTrt_F
SUV39H2	0.00619	-0.5528	0.399	0.56	1	MS.Trt_vs_MS.NoTrt_F
TFG	0.00622	0.25524	0.133	0.24	1	MS.Trt_vs_MS.NoTrt_F

COMTD1	0.00622	0.69049	0.112	0.21	1	MS.Trt_vs_MS.NoTrt_F
DGCR8	0.00625	-0.2805	0.137	0.25	1	MS.Trt_vs_MS.NoTrt_F
LARP7	0.00626	0.53989	0.201	0.32	1	MS.Trt_vs_MS.NoTrt_F
MYD88	0.00627	-0.6176	0.144	0.25	1	MS.Trt_vs_MS.NoTrt_F
EID1	0.00627	0.2557	0.381	0.56	1	MS.Trt_vs_MS.NoTrt_F
PPP1R16B	0.0063	0.81886	0.291	0.43	1	MS.Trt_vs_MS.NoTrt_F
ZNF672	0.00632	0.98172	0.234	0.35	1	MS.Trt_vs_MS.NoTrt_F
FBXO32	0.00634	0.40178	0.165	0.28	1	MS.Trt_vs_MS.NoTrt_F
TMEM156	0.00634	-0.5229	0.781	0.9	1	MS.Trt_vs_MS.NoTrt_F
HPCAL4	0.00634	-0.5991	0.083	0.17	1	MS.Trt_vs_MS.NoTrt_F
RAB8B	0.00634	-0.2623	0.266	0.39	1	MS.Trt_vs_MS.NoTrt_F
CCDC94	0.00635	-0.6946	0.14	0.24	1	MS.Trt_vs_MS.NoTrt_F
QDPR	0.00636	0.33008	0.076	0.16	1	MS.Trt_vs_MS.NoTrt_F
KRIT1	0.00636	-0.8838	0.597	0.73	1	MS.Trt_vs_MS.NoTrt_F
ARL3	0.0064	0.30389	0.094	0.18	1	MS.Trt_vs_MS.NoTrt_F
IMMP1L	0.00641	0.92871	0.561	0.69	1	MS.Trt_vs_MS.NoTrt_F
CHMP4A	0.00642	0.37852	0.572	0.75	1	MS.Trt_vs_MS.NoTrt_F
OAS1	0.00642	-0.5803	0.507	0.58	1	MS.Trt_vs_MS.NoTrt_F
PYCR2	0.00643	-0.2508	0.662	0.78	1	MS.Trt_vs_MS.NoTrt_F
APIP	0.00643	0.61977	0.482	0.61	1	MS.Trt_vs_MS.NoTrt_F
YEATS4	0.00646	0.25127	0.191	0.3	1	MS.Trt_vs_MS.NoTrt_F
TACO1	0.00646	-1.3595	0.385	0.48	1	MS.Trt_vs_MS.NoTrt_F
HSPB9	0.00648	-0.4366	0.187	0.3	1	MS.Trt_vs_MS.NoTrt_F
ZNF420	0.00651	0.38672	0.104	0.2	1	MS.Trt_vs_MS.NoTrt_F
ASNS	0.00652	-0.519	0.281	0.4	1	MS.Trt_vs_MS.NoTrt_F
SLC13A4	0.00653	-0.6863	0.349	0.46	1	MS.Trt_vs_MS.NoTrt_F
ASB6	0.00654	-0.5892	0.586	0.69	1	MS.Trt_vs_MS.NoTrt_F
SEMA3C	0.00655	-0.3847	0.673	0.81	1	MS.Trt_vs_MS.NoTrt_F
ZNF543	0.00656	0.89994	0.532	0.69	1	MS.Trt_vs_MS.NoTrt_F
TSPYL4	0.00657	0.43248	0.108	0.21	1	MS.Trt_vs_MS.NoTrt_F
TPM4	0.00658	-0.3387	0.917	0.95	1	MS.Trt_vs_MS.NoTrt_F
NAXE	0.00658	0.92907	0.133	0.24	1	MS.Trt_vs_MS.NoTrt_F
LARS	0.0066	0.50947	0.691	0.79	1	MS.Trt_vs_MS.NoTrt_F
EPC1	0.00661	-0.3717	0.716	0.82	1	MS.Trt_vs_MS.NoTrt_F
POP4	0.00662	0.44221	0.129	0.24	1	MS.Trt_vs_MS.NoTrt_F
ZNF337	0.00663	-0.5966	0.097	0.19	1	MS.Trt_vs_MS.NoTrt_F
ANAPC13	0.00663	0.51733	0.112	0.21	1	MS.Trt_vs_MS.NoTrt_F
CCNT1	0.00663	0.73278	0.165	0.29	1	MS.Trt_vs_MS.NoTrt_F
EPHA4	0.00665	-0.6096	0.212	0.34	1	MS.Trt_vs_MS.NoTrt_F
SDHAF1	0.00665	0.41477	0.083	0.17	1	MS.Trt_vs_MS.NoTrt_F

BEST1	0.00668	-0.2507	0.806	0.91	1 MS.Trt_vs_MS.NoTrt_F
TRAPPC9	0.00668	0.89392	0.144	0.25	1 MS.Trt_vs_MS.NoTrt_F
PCBD1	0.00668	-0.5579	0.108	0.2	1 MS.Trt_vs_MS.NoTrt_F
AP3D1	0.00669	0.27075	0.155	0.27	1 MS.Trt_vs_MS.NoTrt_F
PTPN9	0.0067	0.47501	0.273	0.39	1 MS.Trt_vs_MS.NoTrt_F
LYPLAL1	0.0067	-0.5297	0.083	0.17	1 MS.Trt_vs_MS.NoTrt_F
NTMT1	0.00674	-0.2552	0.212	0.31	1 MS.Trt_vs_MS.NoTrt_F
PCMT1	0.00676	-0.2871	0.212	0.32	1 MS.Trt_vs_MS.NoTrt_F
DNAJC2	0.00676	-0.3748	0.752	0.82	1 MS.Trt_vs_MS.NoTrt_F
AGAP4	0.00677	0.46367	0.209	0.34	1 MS.Trt_vs_MS.NoTrt_F
IARS	0.00677	0.25694	0.683	0.79	1 MS.Trt_vs_MS.NoTrt_F
WBP1	0.0068	-0.3729	0.108	0.2	1 MS.Trt_vs_MS.NoTrt_F
BCORL1	0.00681	-0.5537	0.083	0.17	1 MS.Trt_vs_MS.NoTrt_F
ALG1	0.00684	-0.2758	0.558	0.66	1 MS.Trt_vs_MS.NoTrt_F
TFAM	0.00684	0.5512	0.255	0.39	1 MS.Trt_vs_MS.NoTrt_F
FUK	0.00685	-0.5911	0.532	0.65	1 MS.Trt_vs_MS.NoTrt_F
SP1	0.00685	0.25327	0.169	0.29	1 MS.Trt_vs_MS.NoTrt_F
ZNF280B	0.00688	0.3439	0.108	0.2	1 MS.Trt_vs_MS.NoTrt_F
DCUN1D4	0.00689	0.30688	0.288	0.43	1 MS.Trt_vs_MS.NoTrt_F
FUT10	0.00693	0.32601	0.313	0.44	1 MS.Trt_vs_MS.NoTrt_F
TRIM62	0.00694	-1.2868	0.086	0.17	1 MS.Trt_vs_MS.NoTrt_F
PYCARD	0.00695	0.60742	0.133	0.24	1 MS.Trt_vs_MS.NoTrt_F
IMMP2L	0.00697	-1.0602	0.101	0.19	1 MS.Trt_vs_MS.NoTrt_F
YIF1A	0.00697	0.36316	0.104	0.2	1 MS.Trt_vs_MS.NoTrt_F
UBFD1	0.00697	-0.3708	0.363	0.54	1 MS.Trt_vs_MS.NoTrt_F
RAD50	0.00698	0.2888	0.198	0.32	1 MS.Trt_vs_MS.NoTrt_F
CENPF	0.00701	-0.3716	0.324	0.49	1 MS.Trt_vs_MS.NoTrt_F
MRPL14	0.00704	0.8691	0.115	0.22	1 MS.Trt_vs_MS.NoTrt_F
NUDT6	0.00706	-1.1084	0.507	0.61	1 MS.Trt_vs_MS.NoTrt_F
GRHL1	0.00709	-0.5227	0.471	0.59	1 MS.Trt_vs_MS.NoTrt_F
HBG2	0.00709	-0.2929	0.406	0.55	1 MS.Trt_vs_MS.NoTrt_F
MRPL36	0.00709	0.97038	0.115	0.22	1 MS.Trt_vs_MS.NoTrt_F
HNRNPH2	0.00711	0.25057	0.219	0.34	1 MS.Trt_vs_MS.NoTrt_F
ORAOV1	0.00713	0.44568	0.633	0.75	1 MS.Trt_vs_MS.NoTrt_F
CISD3	0.00716	0.38274	0.097	0.19	1 MS.Trt_vs_MS.NoTrt_F
EMC6	0.00717	0.67227	0.086	0.17	1 MS.Trt_vs_MS.NoTrt_F
HS2ST1	0.00718	-0.7797	0.097	0.18	1 MS.Trt_vs_MS.NoTrt_F
CEP290	0.0072	0.38241	0.112	0.21	1 MS.Trt_vs_MS.NoTrt_F
AKT2	0.0072	-0.3869	0.953	0.96	1 MS.Trt_vs_MS.NoTrt_F
RGS2	0.00724	0.88419	0.137	0.24	1 MS.Trt_vs_MS.NoTrt_F

CXCR3	0.00725	-0.3407	0.183	0.3	1 MS.Trt_vs_MS.NoTrt_F
BACH2	0.00726	-0.3557	0.155	0.26	1 MS.Trt_vs_MS.NoTrt_F
EBLN2	0.00726	-0.7892	0.104	0.19	1 MS.Trt_vs_MS.NoTrt_F
UBE2G1	0.00729	-0.4389	0.219	0.34	1 MS.Trt_vs_MS.NoTrt_F
TELO2	0.00733	0.68991	0.115	0.22	1 MS.Trt_vs_MS.NoTrt_F
VAMP4	0.00734	0.45596	0.219	0.34	1 MS.Trt_vs_MS.NoTrt_F
ZC3H15	0.00734	0.46568	0.198	0.33	1 MS.Trt_vs_MS.NoTrt_F
ANKRD36B	0.00735	0.56068	0.644	0.77	1 MS.Trt_vs_MS.NoTrt_F
NDUFAF4	0.00736	0.26668	0.094	0.18	1 MS.Trt_vs_MS.NoTrt_F
PPP3R1	0.00738	-0.5663	0.147	0.24	1 MS.Trt_vs_MS.NoTrt_F
USP13	0.00741	-0.3664	0.302	0.43	1 MS.Trt_vs_MS.NoTrt_F
LRRC8A	0.00741	-0.6392	0.115	0.21	1 MS.Trt_vs_MS.NoTrt_F
VPS37B	0.00741	-0.5752	0.615	0.74	1 MS.Trt_vs_MS.NoTrt_F
TRPS1	0.00742	-1.1908	0.104	0.19	1 MS.Trt_vs_MS.NoTrt_F
SLAMF6	0.00743	-0.4652	0.468	0.56	1 MS.Trt_vs_MS.NoTrt_F
PIK3CD	0.00743	-0.3778	0.626	0.71	1 MS.Trt_vs_MS.NoTrt_F
FKBP5	0.00746	0.40386	0.745	0.88	1 MS.Trt_vs_MS.NoTrt_F
GREB1	0.00748	0.30996	0.827	0.82	1 MS.Trt_vs_MS.NoTrt_F
AKAP17A	0.00749	-0.8926	0.101	0.19	1 MS.Trt_vs_MS.NoTrt_F
UBAC2	0.00752	-0.2647	0.576	0.67	1 MS.Trt_vs_MS.NoTrt_F
CES3	0.00753	-0.2918	0.259	0.39	1 MS.Trt_vs_MS.NoTrt_F
SFPQ	0.00758	0.46046	0.54	0.69	1 MS.Trt_vs_MS.NoTrt_F
ESYT2	0.0076	0.31481	0.561	0.71	1 MS.Trt_vs_MS.NoTrt_F
ZNF319	0.0076	0.26172	0.076	0.16	1 MS.Trt_vs_MS.NoTrt_F
ANKRD46	0.00763	-0.6885	0.198	0.3	1 MS.Trt_vs_MS.NoTrt_F
CYB5D2	0.00763	0.31597	0.378	0.53	1 MS.Trt_vs_MS.NoTrt_F
CCDC191	0.00767	-0.6877	0.201	0.31	1 MS.Trt_vs_MS.NoTrt_F
TSPAN32	0.0077	0.5906	0.227	0.36	1 MS.Trt_vs_MS.NoTrt_F
ENTPD1	0.00771	-0.3367	0.935	0.98	1 MS.Trt_vs_MS.NoTrt_F
SLC22A23	0.00771	-0.9009	0.079	0.16	1 MS.Trt_vs_MS.NoTrt_F
MTPN	0.00772	0.62804	0.198	0.33	1 MS.Trt_vs_MS.NoTrt_F
QARS	0.00773	-0.4331	0.237	0.36	1 MS.Trt_vs_MS.NoTrt_F
TTF2	0.00773	0.25534	0.709	0.82	1 MS.Trt_vs_MS.NoTrt_F
PLEKHF1	0.00776	0.25623	0.158	0.27	1 MS.Trt_vs_MS.NoTrt_F
IFT122	0.00777	-0.312	0.849	0.93	1 MS.Trt_vs_MS.NoTrt_F
TMEM104	0.00782	-0.6043	0.155	0.26	1 MS.Trt_vs_MS.NoTrt_F
SHROOM1	0.00782	-0.2753	0.342	0.46	1 MS.Trt_vs_MS.NoTrt_F
NECAP2	0.00783	0.37644	0.457	0.61	1 MS.Trt_vs_MS.NoTrt_F
GPR171	0.00783	-1.1139	0.058	0.13	1 MS.Trt_vs_MS.NoTrt_F
NDRG3	0.00783	0.40397	0.381	0.53	1 MS.Trt_vs_MS.NoTrt_F

ARL6IP4	0.00784	0.34599	0.313	0.49	1 MS.Trt_vs_MS.NoTrt_F
PARG	0.00786	0.8502	0.155	0.27	1 MS.Trt_vs_MS.NoTrt_F
RPGR	0.0079	-0.8729	0.068	0.14	1 MS.Trt_vs_MS.NoTrt_F
VARS	0.0079	-0.4187	0.083	0.17	1 MS.Trt_vs_MS.NoTrt_F
ACTR6	0.00791	-0.45	0.547	0.65	1 MS.Trt_vs_MS.NoTrt_F
NSUN2	0.00796	-0.2667	0.594	0.74	1 MS.Trt_vs_MS.NoTrt_F
SNX27	0.00797	0.34881	0.676	0.81	1 MS.Trt_vs_MS.NoTrt_F
GCC1	0.00798	-1.6026	0.327	0.45	1 MS.Trt_vs_MS.NoTrt_F
PSAT1	0.00799	-0.7825	0.076	0.16	1 MS.Trt_vs_MS.NoTrt_F
PDRG1	0.00799	-0.495	0.097	0.18	1 MS.Trt_vs_MS.NoTrt_F
PANK4	0.008	-0.3932	0.079	0.16	1 MS.Trt_vs_MS.NoTrt_F
STK39	0.00802	-0.2652	0.144	0.25	1 MS.Trt_vs_MS.NoTrt_F
ADNP	0.00803	0.78279	0.428	0.6	1 MS.Trt_vs_MS.NoTrt_F
ADSL	0.00803	-0.4939	0.827	0.89	1 MS.Trt_vs_MS.NoTrt_F
RNASSET2	0.00804	0.26832	0.435	0.61	1 MS.Trt_vs_MS.NoTrt_F
SPEF2	0.00806	-0.8357	0.536	0.65	1 MS.Trt_vs_MS.NoTrt_F
BTBD19	0.00809	0.3027	0.766	0.72	1 MS.Trt_vs_MS.NoTrt_F
COPS4	0.00809	0.59346	0.453	0.57	1 MS.Trt_vs_MS.NoTrt_F
CCDC93	0.0081	0.38981	0.151	0.26	1 MS.Trt_vs_MS.NoTrt_F
BIN3	0.00812	0.50022	0.345	0.49	1 MS.Trt_vs_MS.NoTrt_F
MCM2	0.00812	-0.6936	0.058	0.13	1 MS.Trt_vs_MS.NoTrt_F
TMEM164	0.00813	0.52752	0.079	0.16	1 MS.Trt_vs_MS.NoTrt_F
RNF181	0.00817	0.31037	0.169	0.29	1 MS.Trt_vs_MS.NoTrt_F
EAFL1	0.00818	0.68912	0.331	0.49	1 MS.Trt_vs_MS.NoTrt_F
PRDM4	0.00819	1.17586	0.086	0.17	1 MS.Trt_vs_MS.NoTrt_F
FDX2	0.0082	0.54103	0.068	0.14	1 MS.Trt_vs_MS.NoTrt_F
PSMB1	0.0082	0.37001	0.313	0.47	1 MS.Trt_vs_MS.NoTrt_F
MAGOHB	0.00821	-0.3223	0.104	0.19	1 MS.Trt_vs_MS.NoTrt_F
RPAP3	0.00821	0.28733	0.586	0.76	1 MS.Trt_vs_MS.NoTrt_F
ARF1	0.00821	0.25232	0.46	0.65	1 MS.Trt_vs_MS.NoTrt_F
SPOPL	0.00824	0.33016	0.079	0.16	1 MS.Trt_vs_MS.NoTrt_F
ZNF775	0.00825	-0.4574	0.072	0.15	1 MS.Trt_vs_MS.NoTrt_F
TRAF4	0.00827	-1.0151	0.061	0.13	1 MS.Trt_vs_MS.NoTrt_F
ABHD5	0.0083	-0.5602	0.126	0.22	1 MS.Trt_vs_MS.NoTrt_F
WIPF1	0.00831	-0.3479	0.694	0.8	1 MS.Trt_vs_MS.NoTrt_F
ISOC1	0.00836	0.34318	0.119	0.22	1 MS.Trt_vs_MS.NoTrt_F
EMC9	0.00837	-0.567	0.065	0.14	1 MS.Trt_vs_MS.NoTrt_F
PDZD11	0.00837	-0.305	0.112	0.2	1 MS.Trt_vs_MS.NoTrt_F
NFXL1	0.00838	-0.7506	0.112	0.2	1 MS.Trt_vs_MS.NoTrt_F
ZNF624	0.00842	-0.7996	0.378	0.52	1 MS.Trt_vs_MS.NoTrt_F

HDAC6	0.00845	-0.5	0.86	0.92	1 MS.Trt_vs_MS.NoTrt_F
CEP89	0.00847	-0.3156	0.842	0.93	1 MS.Trt_vs_MS.NoTrt_F
PLCXD2	0.00849	-1.4772	0.09	0.17	1 MS.Trt_vs_MS.NoTrt_F
FMO3	0.00853	0.35627	0.687	0.61	1 MS.Trt_vs_MS.NoTrt_F
RHOQ	0.00855	0.56989	0.086	0.17	1 MS.Trt_vs_MS.NoTrt_F
POTEC	0.00855	0.26316	0.356	0.51	1 MS.Trt_vs_MS.NoTrt_F
ZNF155	0.00856	-1.0261	0.054	0.12	1 MS.Trt_vs_MS.NoTrt_F
EEF2KMT	0.00857	0.25648	0.094	0.18	1 MS.Trt_vs_MS.NoTrt_F
ATG4A	0.00857	0.66005	0.083	0.17	1 MS.Trt_vs_MS.NoTrt_F
FBXO22	0.00857	-0.4446	0.748	0.82	1 MS.Trt_vs_MS.NoTrt_F
IRF1	0.00858	-0.5161	0.849	0.92	1 MS.Trt_vs_MS.NoTrt_F
WDR35	0.00859	0.84921	0.083	0.17	1 MS.Trt_vs_MS.NoTrt_F
CTSA	0.00861	-0.7721	0.644	0.74	1 MS.Trt_vs_MS.NoTrt_F
ZNF514	0.00865	-1.2963	0.586	0.69	1 MS.Trt_vs_MS.NoTrt_F
ACVR2B	0.00868	-0.7078	0.396	0.53	1 MS.Trt_vs_MS.NoTrt_F
RMI1	0.00869	0.54553	0.245	0.38	1 MS.Trt_vs_MS.NoTrt_F
IPPK	0.00872	0.41012	0.083	0.17	1 MS.Trt_vs_MS.NoTrt_F
TMED9	0.00872	0.32594	0.32	0.47	1 MS.Trt_vs_MS.NoTrt_F
RIC8B	0.00875	-0.3122	0.162	0.26	1 MS.Trt_vs_MS.NoTrt_F
TULP3	0.00877	-1.0386	0.058	0.13	1 MS.Trt_vs_MS.NoTrt_F
GSTCD	0.00877	-0.3723	0.619	0.74	1 MS.Trt_vs_MS.NoTrt_F
CNOT8	0.00879	0.39899	0.216	0.34	1 MS.Trt_vs_MS.NoTrt_F
TYMP	0.0088	-0.4302	0.324	0.45	1 MS.Trt_vs_MS.NoTrt_F
KANSL2	0.00882	0.58228	0.155	0.27	1 MS.Trt_vs_MS.NoTrt_F
CDC42BPB	0.00885	0.52777	0.061	0.13	1 MS.Trt_vs_MS.NoTrt_F
ROBO4	0.00886	-1.0911	0.169	0.27	1 MS.Trt_vs_MS.NoTrt_F
TMEM186	0.00886	-0.7939	0.478	0.61	1 MS.Trt_vs_MS.NoTrt_F
PHPT1	0.00889	0.81757	0.144	0.25	1 MS.Trt_vs_MS.NoTrt_F
FAM65A	0.0089	-0.4648	0.126	0.22	1 MS.Trt_vs_MS.NoTrt_F
FOXP3	0.00891	-0.2697	0.417	0.56	1 MS.Trt_vs_MS.NoTrt_F
RGP1	0.00893	-0.4165	0.162	0.27	1 MS.Trt_vs_MS.NoTrt_F
EMG1	0.00897	0.37142	0.126	0.23	1 MS.Trt_vs_MS.NoTrt_F
CCDC82	0.00897	0.48682	0.165	0.28	1 MS.Trt_vs_MS.NoTrt_F
RPUSD1	0.00901	0.50135	0.115	0.21	1 MS.Trt_vs_MS.NoTrt_F
ZCWPW1	0.00901	0.35551	0.086	0.17	1 MS.Trt_vs_MS.NoTrt_F
RALGAPA2	0.00902	0.53807	0.14	0.25	1 MS.Trt_vs_MS.NoTrt_F
PFKFB3	0.00903	-0.2748	0.281	0.4	1 MS.Trt_vs_MS.NoTrt_F
UQCQRQ	0.00903	0.32104	0.572	0.7	1 MS.Trt_vs_MS.NoTrt_F
C12orf40	0.00904	-0.925	0.237	0.36	1 MS.Trt_vs_MS.NoTrt_F
LRIF1	0.00907	-0.6475	0.101	0.19	1 MS.Trt_vs_MS.NoTrt_F



ZFYVE16	0.00908	0.30591	0.957	0.9	1 MS.Trt_vs_MS.NoTrt_F
RABGAP1	0.00908	-0.4608	0.363	0.5	1 MS.Trt_vs_MS.NoTrt_F
PLCL2	0.00911	0.31118	0.072	0.15	1 MS.Trt_vs_MS.NoTrt_F
ZNF518B	0.00914	0.6442	0.094	0.18	1 MS.Trt_vs_MS.NoTrt_F
EIF2B4	0.00915	0.42903	0.442	0.61	1 MS.Trt_vs_MS.NoTrt_F
RAB5B	0.00919	-0.443	0.888	0.91	1 MS.Trt_vs_MS.NoTrt_F
GXYLT1	0.0092	-0.5229	0.417	0.53	1 MS.Trt_vs_MS.NoTrt_F
SAP30L	0.00922	-1.2029	0.047	0.11	1 MS.Trt_vs_MS.NoTrt_F
WRB	0.00922	0.29602	0.083	0.17	1 MS.Trt_vs_MS.NoTrt_F
RAD52	0.00922	-0.323	0.266	0.39	1 MS.Trt_vs_MS.NoTrt_F
HSBP1L1	0.00923	-0.4344	0.345	0.47	1 MS.Trt_vs_MS.NoTrt_F
SIRT6	0.00925	0.3768	0.083	0.17	1 MS.Trt_vs_MS.NoTrt_F
PI16	0.00926	0.59305	0.158	0.27	1 MS.Trt_vs_MS.NoTrt_F
TARBP2	0.00928	-0.5367	0.097	0.18	1 MS.Trt_vs_MS.NoTrt_F
FBRSL1	0.0093	0.30739	0.101	0.19	1 MS.Trt_vs_MS.NoTrt_F
CHD9	0.00935	-0.6794	0.41	0.54	1 MS.Trt_vs_MS.NoTrt_F
SOWAHC	0.0094	-0.4413	0.457	0.55	1 MS.Trt_vs_MS.NoTrt_F
TF	0.00941	-0.3013	0.892	0.91	1 MS.Trt_vs_MS.NoTrt_F
NLRP2	0.00941	0.78224	0.824	0.8	1 MS.Trt_vs_MS.NoTrt_F
ATPIF1	0.00942	0.49129	0.245	0.4	1 MS.Trt_vs_MS.NoTrt_F
RUNDC1	0.00942	0.85245	0.752	0.71	1 MS.Trt_vs_MS.NoTrt_F
EPB41L2	0.00943	-1.0942	0.122	0.22	1 MS.Trt_vs_MS.NoTrt_F
ZNF622	0.00946	0.3536	0.144	0.25	1 MS.Trt_vs_MS.NoTrt_F
UTP3	0.00946	-0.2854	0.05	0.12	1 MS.Trt_vs_MS.NoTrt_F
MALSU1	0.00951	0.47692	0.126	0.22	1 MS.Trt_vs_MS.NoTrt_F
FBXO3	0.00951	0.63342	0.266	0.39	1 MS.Trt_vs_MS.NoTrt_F
TOP2B	0.00956	0.30346	0.237	0.37	1 MS.Trt_vs_MS.NoTrt_F
CCNE2	0.00957	-0.5154	0.05	0.12	1 MS.Trt_vs_MS.NoTrt_F
DIS3	0.00958	-0.3743	0.651	0.76	1 MS.Trt_vs_MS.NoTrt_F
RP11-77K12	0.00958	-0.3054	0.061	0.13	1 MS.Trt_vs_MS.NoTrt_F
TAF1	0.00963	-0.2782	0.745	0.85	1 MS.Trt_vs_MS.NoTrt_F
ARMC7	0.00964	-0.2751	0.097	0.18	1 MS.Trt_vs_MS.NoTrt_F
ZDHHC6	0.00967	0.40294	0.165	0.28	1 MS.Trt_vs_MS.NoTrt_F
CCS	0.0097	-0.6439	0.183	0.29	1 MS.Trt_vs_MS.NoTrt_F
BTA1F1	0.0097	0.34612	0.248	0.37	1 MS.Trt_vs_MS.NoTrt_F
TMTC4	0.00972	-0.7702	0.086	0.17	1 MS.Trt_vs_MS.NoTrt_F
ZNF620	0.00976	-0.3094	0.665	0.81	1 MS.Trt_vs_MS.NoTrt_F
SLC6A1	0.00976	-0.3066	0.522	0.64	1 MS.Trt_vs_MS.NoTrt_F
OR52A1	0.00978	0.39732	0.799	0.75	1 MS.Trt_vs_MS.NoTrt_F
COX5B	0.00978	0.65221	0.791	0.88	1 MS.Trt_vs_MS.NoTrt_F

EPS15L1	0.00979	-0.56	0.799	0.9	1 MS.Trt_vs_MS.NoTrt_F
PSMF1	0.0098	0.4376	0.227	0.36	1 MS.Trt_vs_MS.NoTrt_F
EPHX1	0.00982	-0.3299	0.097	0.18	1 MS.Trt_vs_MS.NoTrt_F
USP8	0.00983	0.35043	0.986	0.99	1 MS.Trt_vs_MS.NoTrt_F
NHP2	0.00985	0.55666	0.187	0.31	1 MS.Trt_vs_MS.NoTrt_F
LIN54	0.00985	-0.3132	0.565	0.66	1 MS.Trt_vs_MS.NoTrt_F
CMC1	0.00986	0.42526	0.191	0.31	1 MS.Trt_vs_MS.NoTrt_F
TBC1D2B	0.00986	0.33713	0.295	0.41	1 MS.Trt_vs_MS.NoTrt_F
SSSCA1	0.00988	0.64801	0.097	0.18	1 MS.Trt_vs_MS.NoTrt_F
MBNL3	0.00991	0.32787	0.108	0.2	1 MS.Trt_vs_MS.NoTrt_F
NRF1	0.00991	0.27264	0.306	0.44	1 MS.Trt_vs_MS.NoTrt_F
NOG	0.00993	1.55009	0.129	0.24	1 MS.Trt_vs_MS.NoTrt_F
TTI1	0.00994	0.64168	0.234	0.37	1 MS.Trt_vs_MS.NoTrt_F
ZNF671	0.00994	-0.6748	0.097	0.18	1 MS.Trt_vs_MS.NoTrt_F
MEI1	0.00994	-0.3161	0.687	0.77	1 MS.Trt_vs_MS.NoTrt_F
TBP	0.01	0.56203	0.335	0.48	1 MS.Trt_vs_MS.NoTrt_F
NCBP2-AS2	0.01002	0.39351	0.119	0.22	1 MS.Trt_vs_MS.NoTrt_F
AL592183.1	0.01003	-0.2845	0.119	0.21	1 MS.Trt_vs_MS.NoTrt_F
PIGG	0.01003	-0.3277	0.511	0.62	1 MS.Trt_vs_MS.NoTrt_F
CNPPD1	0.01005	0.34635	0.281	0.43	1 MS.Trt_vs_MS.NoTrt_F
SLC25A32	0.01007	0.75777	0.338	0.47	1 MS.Trt_vs_MS.NoTrt_F
FNDC3B	0.01007	0.57367	0.745	0.65	1 MS.Trt_vs_MS.NoTrt_F
MUT	0.0101	0.26284	0.09	0.17	1 MS.Trt_vs_MS.NoTrt_F
HSD17B8	0.01011	0.79816	0.079	0.16	1 MS.Trt_vs_MS.NoTrt_F
TMEM221	0.01011	-0.3537	0.183	0.28	1 MS.Trt_vs_MS.NoTrt_F
UQCC2	0.01013	0.80353	0.112	0.2	1 MS.Trt_vs_MS.NoTrt_F
SPICE1	0.01014	-0.3552	0.234	0.34	1 MS.Trt_vs_MS.NoTrt_F
MYSM1	0.01016	0.41907	0.227	0.35	1 MS.Trt_vs_MS.NoTrt_F
STK11IP	0.01016	0.28971	0.097	0.18	1 MS.Trt_vs_MS.NoTrt_F
ADAM19	0.01017	0.56824	0.36	0.55	1 MS.Trt_vs_MS.NoTrt_F
GANAB	0.01024	-0.8664	0.446	0.53	1 MS.Trt_vs_MS.NoTrt_F
MDC1	0.01026	0.26353	0.115	0.2	1 MS.Trt_vs_MS.NoTrt_F
TRIB3	0.01028	0.34722	0.072	0.15	1 MS.Trt_vs_MS.NoTrt_F
ATP8B2	0.0103	-0.3084	0.802	0.86	1 MS.Trt_vs_MS.NoTrt_F
TRMT10C	0.01036	0.93285	0.104	0.19	1 MS.Trt_vs_MS.NoTrt_F
GALNT7	0.01039	0.46896	0.101	0.19	1 MS.Trt_vs_MS.NoTrt_F
GS1-114I9.3	0.01039	1.06673	0.058	0.13	1 MS.Trt_vs_MS.NoTrt_F
EIF2S2	0.0104	0.30124	0.241	0.38	1 MS.Trt_vs_MS.NoTrt_F
C1orf146	0.01042	-0.2912	0.151	0.25	1 MS.Trt_vs_MS.NoTrt_F
OTUD7A	0.01042	0.32972	0.158	0.26	1 MS.Trt_vs_MS.NoTrt_F

SMN2	0.01042	0.31899	0.878	0.73	1	MS.Trt_vs_MS.NoTrt_F
FAM162A	0.01046	-0.431	0.403	0.5	1	MS.Trt_vs_MS.NoTrt_F
B4GALT1	0.01047	0.76877	0.712	0.74	1	MS.Trt_vs_MS.NoTrt_F
PARP9	0.01047	0.57946	0.331	0.46	1	MS.Trt_vs_MS.NoTrt_F
ARL4C	0.01053	0.26905	0.399	0.58	1	MS.Trt_vs_MS.NoTrt_F
AK1	0.01055	0.74818	0.104	0.19	1	MS.Trt_vs_MS.NoTrt_F
LRRC28	0.01056	-0.7675	0.54	0.67	1	MS.Trt_vs_MS.NoTrt_F
NDUFB10	0.01057	0.58912	0.248	0.39	1	MS.Trt_vs_MS.NoTrt_F
MTAP	0.01058	0.53211	0.658	0.87	1	MS.Trt_vs_MS.NoTrt_F
QSER1	0.01061	0.48921	0.097	0.18	1	MS.Trt_vs_MS.NoTrt_F
IBTK	0.01062	-0.5907	0.522	0.62	1	MS.Trt_vs_MS.NoTrt_F
INTS12	0.01062	0.28825	0.104	0.19	1	MS.Trt_vs_MS.NoTrt_F
AMPD3	0.01071	-1.3494	0.331	0.47	1	MS.Trt_vs_MS.NoTrt_F
IFT172	0.01072	-0.9388	0.59	0.7	1	MS.Trt_vs_MS.NoTrt_F
SOX6	0.01072	-0.5072	0.378	0.5	1	MS.Trt_vs_MS.NoTrt_F
RNASE10	0.01073	-0.2614	0.173	0.27	1	MS.Trt_vs_MS.NoTrt_F
ELMO1	0.01081	-0.4114	0.788	0.86	1	MS.Trt_vs_MS.NoTrt_F
ANKRD37	0.01082	-0.8303	0.104	0.19	1	MS.Trt_vs_MS.NoTrt_F
LRRC40	0.01084	0.64074	0.144	0.24	1	MS.Trt_vs_MS.NoTrt_F
ANKRD11	0.01085	0.63206	0.263	0.4	1	MS.Trt_vs_MS.NoTrt_F
PSMB5	0.01087	-0.5499	0.133	0.22	1	MS.Trt_vs_MS.NoTrt_F
NOL10	0.01091	-1.001	0.165	0.27	1	MS.Trt_vs_MS.NoTrt_F
FAM19A2	0.01092	-0.2858	0.212	0.32	1	MS.Trt_vs_MS.NoTrt_F
PCNX3	0.01093	0.36108	0.133	0.23	1	MS.Trt_vs_MS.NoTrt_F
ARMT1	0.01095	-0.5072	0.086	0.17	1	MS.Trt_vs_MS.NoTrt_F
RASGRP2	0.01096	-0.3022	0.313	0.44	1	MS.Trt_vs_MS.NoTrt_F
EP300	0.011	-0.5258	0.658	0.79	1	MS.Trt_vs_MS.NoTrt_F
GNPDA2	0.01101	-0.6101	0.079	0.16	1	MS.Trt_vs_MS.NoTrt_F
UBAP1L	0.01104	-0.3155	0.324	0.45	1	MS.Trt_vs_MS.NoTrt_F
PHF6	0.01108	-0.887	0.647	0.74	1	MS.Trt_vs_MS.NoTrt_F
PNMA1	0.01111	0.28254	0.097	0.18	1	MS.Trt_vs_MS.NoTrt_F
TXNDC9	0.01111	0.39445	0.137	0.24	1	MS.Trt_vs_MS.NoTrt_F
FAM206A	0.01118	-0.3651	0.083	0.16	1	MS.Trt_vs_MS.NoTrt_F
PHF19	0.01119	0.72506	0.158	0.27	1	MS.Trt_vs_MS.NoTrt_F
SF3A2	0.01125	-0.3382	0.399	0.48	1	MS.Trt_vs_MS.NoTrt_F
SCML4	0.01127	0.44351	0.572	0.75	1	MS.Trt_vs_MS.NoTrt_F
NOMO1	0.0113	0.85187	0.165	0.27	1	MS.Trt_vs_MS.NoTrt_F
MBOAT7	0.01134	0.59751	0.097	0.18	1	MS.Trt_vs_MS.NoTrt_F
CD58	0.01135	0.28383	0.263	0.39	1	MS.Trt_vs_MS.NoTrt_F
STK19	0.0114	-0.3029	0.09	0.17	1	MS.Trt_vs_MS.NoTrt_F

ERCC3	0.0114	-0.3507	0.353	0.48	1 MS.Trt_vs_MS.NoTrt_F
AURKA	0.0114	0.65111	0.306	0.43	1 MS.Trt_vs_MS.NoTrt_F
IMPA2	0.01142	0.52332	0.874	0.82	1 MS.Trt_vs_MS.NoTrt_F
HIRIP3	0.01143	0.3232	0.101	0.19	1 MS.Trt_vs_MS.NoTrt_F
ZNF366	0.01144	-0.3096	0.165	0.26	1 MS.Trt_vs_MS.NoTrt_F
CARMIL2	0.01144	0.2581	0.086	0.17	1 MS.Trt_vs_MS.NoTrt_F
TRMT2A	0.01146	0.37758	0.158	0.27	1 MS.Trt_vs_MS.NoTrt_F
POLL	0.01147	0.37267	0.392	0.53	1 MS.Trt_vs_MS.NoTrt_F
BCAS1	0.01149	-1.9067	0.349	0.46	1 MS.Trt_vs_MS.NoTrt_F
WNT2B	0.0115	0.39598	0.453	0.56	1 MS.Trt_vs_MS.NoTrt_F
DMXL1	0.01155	1.03494	0.187	0.31	1 MS.Trt_vs_MS.NoTrt_F
ABCE1	0.01157	-0.2702	0.36	0.46	1 MS.Trt_vs_MS.NoTrt_F
ACTR1A	0.01161	-0.3555	0.471	0.58	1 MS.Trt_vs_MS.NoTrt_F
AP1AR	0.01162	0.89714	0.086	0.17	1 MS.Trt_vs_MS.NoTrt_F
RAB10	0.01162	0.33357	0.241	0.37	1 MS.Trt_vs_MS.NoTrt_F
NPIP9	0.01165	0.45251	0.137	0.23	1 MS.Trt_vs_MS.NoTrt_F
RPS14	0.01167	0.37597	0.964	1	1 MS.Trt_vs_MS.NoTrt_F
PATZ1	0.01168	0.40871	0.112	0.2	1 MS.Trt_vs_MS.NoTrt_F
MTMR3	0.01173	-1.0194	0.241	0.35	1 MS.Trt_vs_MS.NoTrt_F
ZNF692	0.01174	0.26836	0.119	0.21	1 MS.Trt_vs_MS.NoTrt_F
TDG	0.01177	-0.5542	0.327	0.42	1 MS.Trt_vs_MS.NoTrt_F
TARDBP	0.01179	-0.3884	0.586	0.69	1 MS.Trt_vs_MS.NoTrt_F
KDM6B	0.01179	-0.3052	0.183	0.29	1 MS.Trt_vs_MS.NoTrt_F
ADCY3	0.0118	0.28589	0.09	0.17	1 MS.Trt_vs_MS.NoTrt_F
GRAP	0.01185	0.40717	0.169	0.28	1 MS.Trt_vs_MS.NoTrt_F
ZNF212	0.01185	-0.8874	0.371	0.48	1 MS.Trt_vs_MS.NoTrt_F
PEX19	0.01189	0.26987	0.14	0.24	1 MS.Trt_vs_MS.NoTrt_F
ZDHHC24	0.01189	0.28722	0.91	0.87	1 MS.Trt_vs_MS.NoTrt_F
STYX	0.01192	0.45418	0.504	0.64	1 MS.Trt_vs_MS.NoTrt_F
KDM6A	0.01193	-0.4988	0.245	0.36	1 MS.Trt_vs_MS.NoTrt_F
PMPCA	0.01194	-0.2521	0.705	0.8	1 MS.Trt_vs_MS.NoTrt_F
TNRC6C	0.01194	0.46537	0.266	0.39	1 MS.Trt_vs_MS.NoTrt_F
NSUN5	0.01194	0.4304	0.277	0.41	1 MS.Trt_vs_MS.NoTrt_F
DPP8	0.01203	-0.4931	0.363	0.44	1 MS.Trt_vs_MS.NoTrt_F
DNAJC9	0.01207	0.44126	0.169	0.28	1 MS.Trt_vs_MS.NoTrt_F
MLH3	0.0121	0.37038	0.122	0.22	1 MS.Trt_vs_MS.NoTrt_F
SEL1L3	0.0121	0.36363	0.27	0.4	1 MS.Trt_vs_MS.NoTrt_F
ATG2A	0.0121	-0.4604	0.705	0.75	1 MS.Trt_vs_MS.NoTrt_F
MESDC2	0.01214	0.76524	0.504	0.66	1 MS.Trt_vs_MS.NoTrt_F
NXF1	0.01215	-0.3286	0.558	0.67	1 MS.Trt_vs_MS.NoTrt_F

LSR	0.01217	-0.7366	0.165	0.26	1 MS.Trt_vs_MS.NoTrt_F
PGD	0.01218	-0.5187	0.104	0.19	1 MS.Trt_vs_MS.NoTrt_F
GRSF1	0.01219	0.2613	0.68	0.77	1 MS.Trt_vs_MS.NoTrt_F
F8A1	0.0122	-0.3676	0.079	0.16	1 MS.Trt_vs_MS.NoTrt_F
SURF1	0.01226	0.37995	0.126	0.22	1 MS.Trt_vs_MS.NoTrt_F
ANAPC1	0.01228	-0.5448	0.5	0.66	1 MS.Trt_vs_MS.NoTrt_F
NEK9	0.01228	-0.4182	0.899	0.95	1 MS.Trt_vs_MS.NoTrt_F
PIAS4	0.01228	0.36875	0.205	0.32	1 MS.Trt_vs_MS.NoTrt_F
CD2AP	0.01235	-0.3276	0.162	0.27	1 MS.Trt_vs_MS.NoTrt_F
DYNLT3	0.01235	-0.6568	0.615	0.74	1 MS.Trt_vs_MS.NoTrt_F
FAM173A	0.01236	0.58388	0.094	0.18	1 MS.Trt_vs_MS.NoTrt_F
C14orf93	0.01237	0.4691	0.284	0.39	1 MS.Trt_vs_MS.NoTrt_F
KIF18A	0.01238	0.63765	0.291	0.42	1 MS.Trt_vs_MS.NoTrt_F
CCDC36	0.01244	-0.293	0.32	0.45	1 MS.Trt_vs_MS.NoTrt_F
ZC3HAV1L	0.01249	-0.4495	0.396	0.52	1 MS.Trt_vs_MS.NoTrt_F
NOC3L	0.0125	0.40437	0.079	0.16	1 MS.Trt_vs_MS.NoTrt_F
DCAF16	0.01251	-0.6368	0.748	0.82	1 MS.Trt_vs_MS.NoTrt_F
IPO8	0.01255	0.27591	0.489	0.62	1 MS.Trt_vs_MS.NoTrt_F
PCNP	0.01256	0.5949	0.241	0.38	1 MS.Trt_vs_MS.NoTrt_F
PJA1	0.01262	-0.2693	0.083	0.16	1 MS.Trt_vs_MS.NoTrt_F
NUAK2	0.01265	-0.8732	0.331	0.45	1 MS.Trt_vs_MS.NoTrt_F
RAD18	0.01265	-0.3316	0.076	0.15	1 MS.Trt_vs_MS.NoTrt_F
RAP1GAP2	0.01266	0.60146	0.27	0.4	1 MS.Trt_vs_MS.NoTrt_F
CEP104	0.01271	-0.6876	0.709	0.8	1 MS.Trt_vs_MS.NoTrt_F
MOV10	0.01272	-0.4989	0.424	0.53	1 MS.Trt_vs_MS.NoTrt_F
TNIP3	0.01273	0.47047	0.478	0.64	1 MS.Trt_vs_MS.NoTrt_F
RGPD2	0.01275	0.79661	0.155	0.27	1 MS.Trt_vs_MS.NoTrt_F
ANAPC11	0.01277	1.08317	0.403	0.54	1 MS.Trt_vs_MS.NoTrt_F
UBAC1	0.01279	0.50168	0.076	0.15	1 MS.Trt_vs_MS.NoTrt_F
ZNF609	0.01282	-1.0707	0.565	0.66	1 MS.Trt_vs_MS.NoTrt_F
RBFA	0.01283	-0.6856	0.295	0.4	1 MS.Trt_vs_MS.NoTrt_F
USP10	0.01284	0.33105	0.23	0.35	1 MS.Trt_vs_MS.NoTrt_F
CHRNA6	0.0129	0.56587	0.374	0.28	1 MS.Trt_vs_MS.NoTrt_F
NLRP12	0.01292	0.29412	0.809	0.76	1 MS.Trt_vs_MS.NoTrt_F
GYG1	0.01292	-0.6948	0.554	0.64	1 MS.Trt_vs_MS.NoTrt_F
PBLD	0.01293	-0.4627	0.572	0.67	1 MS.Trt_vs_MS.NoTrt_F
WISP2	0.01295	0.94452	0.511	0.61	1 MS.Trt_vs_MS.NoTrt_F
SLC39A6	0.01295	-0.4726	0.097	0.18	1 MS.Trt_vs_MS.NoTrt_F
UBE4B	0.01297	0.30515	0.547	0.68	1 MS.Trt_vs_MS.NoTrt_F
VPS45	0.013	-0.5035	0.277	0.38	1 MS.Trt_vs_MS.NoTrt_F

GPR174	0.01301	0.43573	0.155	0.26	1	MS.Trt_vs_MS.NoTrt_F
TBCK	0.01307	-0.4674	0.615	0.76	1	MS.Trt_vs_MS.NoTrt_F
MCC	0.01309	-0.5259	0.432	0.53	1	MS.Trt_vs_MS.NoTrt_F
AKAP1	0.01312	-0.3114	0.104	0.19	1	MS.Trt_vs_MS.NoTrt_F
GON7	0.01313	-1.0943	0.058	0.12	1	MS.Trt_vs_MS.NoTrt_F
ENGASE	0.01315	1.42322	0.079	0.16	1	MS.Trt_vs_MS.NoTrt_F
TMEM110	0.01315	-0.4727	0.079	0.16	1	MS.Trt_vs_MS.NoTrt_F
MED30	0.01319	0.60446	0.137	0.24	1	MS.Trt_vs_MS.NoTrt_F
HTATSF1	0.01319	0.62916	0.169	0.28	1	MS.Trt_vs_MS.NoTrt_F
TOP1	0.01322	0.30692	0.173	0.28	1	MS.Trt_vs_MS.NoTrt_F
ZNF343	0.01324	-0.8195	0.432	0.54	1	MS.Trt_vs_MS.NoTrt_F
PDCD2L	0.01329	-0.5412	0.065	0.13	1	MS.Trt_vs_MS.NoTrt_F
HDGF	0.01336	-0.3643	0.094	0.17	1	MS.Trt_vs_MS.NoTrt_F
SESN2	0.01344	-1.0904	0.061	0.13	1	MS.Trt_vs_MS.NoTrt_F
CCSAP	0.01346	0.94795	0.144	0.24	1	MS.Trt_vs_MS.NoTrt_F
DAD1	0.01353	0.51352	0.324	0.53	1	MS.Trt_vs_MS.NoTrt_F
11-Sep	0.01354	0.37144	0.392	0.51	1	MS.Trt_vs_MS.NoTrt_F
BRCC3	0.01355	0.54402	0.248	0.37	1	MS.Trt_vs_MS.NoTrt_F
KBTBD6	0.01356	-0.3602	0.353	0.46	1	MS.Trt_vs_MS.NoTrt_F
SUMO1	0.01358	0.31312	0.496	0.61	1	MS.Trt_vs_MS.NoTrt_F
UBN1	0.01363	0.34949	0.147	0.24	1	MS.Trt_vs_MS.NoTrt_F
ZNF626	0.01364	0.31355	0.763	0.72	1	MS.Trt_vs_MS.NoTrt_F
CLEC18A	0.01367	0.67374	0.32	0.43	1	MS.Trt_vs_MS.NoTrt_F
FLCN	0.01373	0.29203	0.881	0.82	1	MS.Trt_vs_MS.NoTrt_F
SMC6	0.01376	-0.3898	0.442	0.56	1	MS.Trt_vs_MS.NoTrt_F
MC1R	0.01377	-0.9061	0.072	0.14	1	MS.Trt_vs_MS.NoTrt_F
SAMD3	0.01379	0.29598	0.284	0.41	1	MS.Trt_vs_MS.NoTrt_F
FLAD1	0.01382	-0.3509	0.554	0.68	1	MS.Trt_vs_MS.NoTrt_F
TXNRD2	0.01384	-0.5734	0.827	0.91	1	MS.Trt_vs_MS.NoTrt_F
KIF16B	0.01385	-1.2826	0.068	0.14	1	MS.Trt_vs_MS.NoTrt_F
DAPP1	0.01386	0.39397	0.245	0.37	1	MS.Trt_vs_MS.NoTrt_F
TNFRSF18	0.01387	0.7275	0.198	0.33	1	MS.Trt_vs_MS.NoTrt_F
NME1	0.01388	0.32543	0.734	0.56	1	MS.Trt_vs_MS.NoTrt_F
NR4A3	0.01394	-0.691	0.133	0.22	1	MS.Trt_vs_MS.NoTrt_F
PEX6	0.01395	-0.4014	0.061	0.13	1	MS.Trt_vs_MS.NoTrt_F
ABO	0.01398	-0.4101	0.331	0.45	1	MS.Trt_vs_MS.NoTrt_F
ENOPH1	0.01399	0.32475	0.158	0.26	1	MS.Trt_vs_MS.NoTrt_F
SCO2	0.01403	0.49523	0.076	0.15	1	MS.Trt_vs_MS.NoTrt_F
CENPJ	0.01405	-0.9549	0.061	0.13	1	MS.Trt_vs_MS.NoTrt_F
TRAPPC3	0.01405	0.32754	0.392	0.5	1	MS.Trt_vs_MS.NoTrt_F

METTL22	0.01407	-0.3619	0.615	0.7	1	MS.Trt_vs_MS.NoTrt_F
PCYT2	0.0141	-0.2537	0.065	0.13	1	MS.Trt_vs_MS.NoTrt_F
SBNO2	0.01415	-0.3877	0.194	0.3	1	MS.Trt_vs_MS.NoTrt_F
LDOC1L	0.01415	-0.6768	0.068	0.14	1	MS.Trt_vs_MS.NoTrt_F
TAF3	0.01416	0.41326	0.165	0.27	1	MS.Trt_vs_MS.NoTrt_F
GRAMD3	0.01424	-0.4668	0.676	0.86	1	MS.Trt_vs_MS.NoTrt_F
PAIP1	0.01424	0.38634	0.162	0.27	1	MS.Trt_vs_MS.NoTrt_F
MPP6	0.01426	-0.2511	0.255	0.38	1	MS.Trt_vs_MS.NoTrt_F
HLA-C	0.01426	-0.4064	0.853	0.91	1	MS.Trt_vs_MS.NoTrt_F
RTEL1	0.01432	-0.964	0.115	0.2	1	MS.Trt_vs_MS.NoTrt_F
ABCF1	0.01434	-0.3444	0.817	0.89	1	MS.Trt_vs_MS.NoTrt_F
PSD	0.01437	-0.2987	0.108	0.19	1	MS.Trt_vs_MS.NoTrt_F
TRPM8	0.01438	0.26103	0.777	0.61	1	MS.Trt_vs_MS.NoTrt_F
FAF2	0.01439	0.79136	0.122	0.22	1	MS.Trt_vs_MS.NoTrt_F
REXO2	0.01439	0.53036	0.209	0.33	1	MS.Trt_vs_MS.NoTrt_F
SNRPD2	0.01442	0.34144	0.529	0.71	1	MS.Trt_vs_MS.NoTrt_F
TEX261	0.01442	-0.3263	0.09	0.17	1	MS.Trt_vs_MS.NoTrt_F
TOLLIP	0.01442	0.53332	0.133	0.23	1	MS.Trt_vs_MS.NoTrt_F
HDAC2	0.01445	-0.2639	0.655	0.81	1	MS.Trt_vs_MS.NoTrt_F
C1QBP	0.01447	0.52434	0.273	0.4	1	MS.Trt_vs_MS.NoTrt_F
GOLGA8N	0.01448	1.05662	0.076	0.15	1	MS.Trt_vs_MS.NoTrt_F
SGIP1	0.01449	-0.3206	0.245	0.34	1	MS.Trt_vs_MS.NoTrt_F
KLHL5	0.0145	0.59241	0.428	0.54	1	MS.Trt_vs_MS.NoTrt_F
ZC4H2	0.01451	-0.6733	0.094	0.17	1	MS.Trt_vs_MS.NoTrt_F
SENP1	0.01452	0.82057	0.191	0.3	1	MS.Trt_vs_MS.NoTrt_F
ZNF485	0.01452	-0.3592	0.183	0.28	1	MS.Trt_vs_MS.NoTrt_F
C2CD4A	0.01454	-0.4219	0.288	0.39	1	MS.Trt_vs_MS.NoTrt_F
NUDT18	0.01455	-1.9548	0.05	0.11	1	MS.Trt_vs_MS.NoTrt_F
CCDC71	0.01459	0.5951	0.079	0.16	1	MS.Trt_vs_MS.NoTrt_F
NSG1	0.01465	-0.3088	0.615	0.74	1	MS.Trt_vs_MS.NoTrt_F
HIBADH	0.01467	0.62467	0.097	0.18	1	MS.Trt_vs_MS.NoTrt_F
C2orf47	0.01473	-0.7241	0.05	0.11	1	MS.Trt_vs_MS.NoTrt_F
ETFDH	0.01475	0.59963	0.619	0.74	1	MS.Trt_vs_MS.NoTrt_F
SMC2	0.01477	0.57382	0.083	0.16	1	MS.Trt_vs_MS.NoTrt_F
ZNRF3	0.0148	-0.4017	0.23	0.34	1	MS.Trt_vs_MS.NoTrt_F
BCL2	0.01482	0.4363	0.263	0.38	1	MS.Trt_vs_MS.NoTrt_F
ATAD5	0.01485	-0.5819	0.5	0.64	1	MS.Trt_vs_MS.NoTrt_F
KIAA0391	0.01487	-0.4449	0.691	0.8	1	MS.Trt_vs_MS.NoTrt_F
BCL10	0.01487	0.41583	0.079	0.16	1	MS.Trt_vs_MS.NoTrt_F
ABLIM3	0.01491	-0.6337	0.065	0.13	1	MS.Trt_vs_MS.NoTrt_F

UBQLN4	0.01497	0.46718	0.065	0.13	1	MS.Trt_vs_MS.NoTrt_F
BLK	0.015	0.96836	0.065	0.13	1	MS.Trt_vs_MS.NoTrt_F
N4BP2	0.01501	-0.3782	0.313	0.44	1	MS.Trt_vs_MS.NoTrt_F
DHRS13	0.01501	-0.3803	0.065	0.13	1	MS.Trt_vs_MS.NoTrt_F
PSKH1	0.01504	0.62928	0.097	0.18	1	MS.Trt_vs_MS.NoTrt_F
SIGLEC10	0.01506	-0.3466	0.579	0.73	1	MS.Trt_vs_MS.NoTrt_F
ITM2A	0.01506	0.47323	0.234	0.37	1	MS.Trt_vs_MS.NoTrt_F
PLAGL2	0.01507	-1.0114	0.068	0.14	1	MS.Trt_vs_MS.NoTrt_F
LPCAT1	0.01508	0.30158	0.076	0.15	1	MS.Trt_vs_MS.NoTrt_F
VPS13A	0.01509	0.30928	0.27	0.38	1	MS.Trt_vs_MS.NoTrt_F
PPARG	0.0151	-0.3361	0.424	0.52	1	MS.Trt_vs_MS.NoTrt_F
PIGO	0.01513	-0.5108	0.381	0.48	1	MS.Trt_vs_MS.NoTrt_F
PLEKHO1	0.01514	0.43648	0.076	0.15	1	MS.Trt_vs_MS.NoTrt_F
ZNF429	0.01519	0.77918	0.896	0.91	1	MS.Trt_vs_MS.NoTrt_F
MIB1	0.01521	-0.8877	0.119	0.2	1	MS.Trt_vs_MS.NoTrt_F
PUDP	0.01522	-0.4699	0.108	0.19	1	MS.Trt_vs_MS.NoTrt_F
IFIT1	0.01524	-0.7338	0.212	0.32	1	MS.Trt_vs_MS.NoTrt_F
GPAM	0.01525	-1.2498	0.058	0.12	1	MS.Trt_vs_MS.NoTrt_F
ADNP2	0.01525	0.54493	0.072	0.14	1	MS.Trt_vs_MS.NoTrt_F
KLHDC7B	0.01529	-0.2991	0.061	0.13	1	MS.Trt_vs_MS.NoTrt_F
LMAN2L	0.01529	-0.5441	0.05	0.11	1	MS.Trt_vs_MS.NoTrt_F
PTRF	0.01532	0.62805	0.353	0.46	1	MS.Trt_vs_MS.NoTrt_F
TBC1D3L	0.01536	1.58578	0.094	0.17	1	MS.Trt_vs_MS.NoTrt_F
TMX4	0.01537	-0.4008	0.565	0.62	1	MS.Trt_vs_MS.NoTrt_F
ICK	0.01538	-1.442	0.201	0.29	1	MS.Trt_vs_MS.NoTrt_F
ZNF581	0.01544	-0.3013	0.09	0.17	1	MS.Trt_vs_MS.NoTrt_F
RECQL5	0.01547	-0.9357	0.191	0.29	1	MS.Trt_vs_MS.NoTrt_F
OSGEPL1	0.0155	0.46988	0.252	0.39	1	MS.Trt_vs_MS.NoTrt_F
ARHGAP5	0.0155	-0.5472	0.414	0.53	1	MS.Trt_vs_MS.NoTrt_F
BHLHE40	0.01553	0.48201	0.112	0.2	1	MS.Trt_vs_MS.NoTrt_F
PRDX4	0.01559	-0.3345	0.09	0.17	1	MS.Trt_vs_MS.NoTrt_F
PLCG2	0.01565	1.13485	0.104	0.19	1	MS.Trt_vs_MS.NoTrt_F
IGSF9B	0.01571	-1.1578	0.054	0.12	1	MS.Trt_vs_MS.NoTrt_F
CCR2	0.01572	-0.734	0.115	0.2	1	MS.Trt_vs_MS.NoTrt_F
SLC17A5	0.01577	-0.3461	0.424	0.54	1	MS.Trt_vs_MS.NoTrt_F
AGO4	0.01584	-0.9173	0.309	0.4	1	MS.Trt_vs_MS.NoTrt_F
BRD3	0.01585	0.49648	0.18	0.29	1	MS.Trt_vs_MS.NoTrt_F
CC2D2B	0.01585	1.02766	0.119	0.21	1	MS.Trt_vs_MS.NoTrt_F
VPS9D1	0.01589	-0.3745	0.223	0.33	1	MS.Trt_vs_MS.NoTrt_F
CCDC107	0.01596	0.32672	0.198	0.32	1	MS.Trt_vs_MS.NoTrt_F



SLC37A4	0.01598	-0.4836	0.05	0.11	1	MS.Trt_vs_MS.NoTrt_F
ZNF701	0.01602	0.90971	0.442	0.57	1	MS.Trt_vs_MS.NoTrt_F
LUZP1	0.01606	-0.5699	0.55	0.63	1	MS.Trt_vs_MS.NoTrt_F
SEMA3G	0.01607	-0.6061	0.047	0.11	1	MS.Trt_vs_MS.NoTrt_F
MRPL39	0.0161	0.32296	0.137	0.23	1	MS.Trt_vs_MS.NoTrt_F
ECHS1	0.01611	0.57341	0.155	0.25	1	MS.Trt_vs_MS.NoTrt_F
PRPF4	0.01612	0.37008	0.302	0.42	1	MS.Trt_vs_MS.NoTrt_F
BRF2	0.01614	-0.4266	0.147	0.24	1	MS.Trt_vs_MS.NoTrt_F
POLM	0.01617	0.36938	0.518	0.64	1	MS.Trt_vs_MS.NoTrt_F
ANKS1A	0.01625	0.76997	0.054	0.12	1	MS.Trt_vs_MS.NoTrt_F
ARSG	0.01628	-0.3006	0.932	0.97	1	MS.Trt_vs_MS.NoTrt_F
GGNBP2	0.01634	0.31691	0.676	0.83	1	MS.Trt_vs_MS.NoTrt_F
RNF168	0.01639	0.6018	0.568	0.74	1	MS.Trt_vs_MS.NoTrt_F
AQP11	0.0164	-0.2917	0.05	0.11	1	MS.Trt_vs_MS.NoTrt_F
AKT1	0.01642	0.41114	0.209	0.31	1	MS.Trt_vs_MS.NoTrt_F
COMMD6	0.01643	0.46327	0.363	0.55	1	MS.Trt_vs_MS.NoTrt_F
GOSR1	0.01646	0.52956	0.968	0.97	1	MS.Trt_vs_MS.NoTrt_F
ZNF282	0.01649	0.82391	0.065	0.13	1	MS.Trt_vs_MS.NoTrt_F
ARPC5	0.01649	0.26309	0.892	0.96	1	MS.Trt_vs_MS.NoTrt_F
DPH2	0.01651	1.51377	0.083	0.16	1	MS.Trt_vs_MS.NoTrt_F
FBXO42	0.01655	-0.2821	0.486	0.58	1	MS.Trt_vs_MS.NoTrt_F
CLDN5	0.01655	-0.8988	0.047	0.11	1	MS.Trt_vs_MS.NoTrt_F
SLC26A1	0.01658	-0.53	0.047	0.11	1	MS.Trt_vs_MS.NoTrt_F
AKT1S1	0.01659	-0.5115	0.18	0.28	1	MS.Trt_vs_MS.NoTrt_F
ZBTB16	0.01663	0.62816	0.327	0.44	1	MS.Trt_vs_MS.NoTrt_F
ERP27	0.01663	0.56615	0.219	0.34	1	MS.Trt_vs_MS.NoTrt_F
POC5	0.01669	-0.2933	0.112	0.2	1	MS.Trt_vs_MS.NoTrt_F
GPR160	0.01671	0.33777	0.054	0.12	1	MS.Trt_vs_MS.NoTrt_F
ACTR10	0.01673	-0.3551	0.741	0.82	1	MS.Trt_vs_MS.NoTrt_F
CEP72	0.0168	0.64271	0.065	0.13	1	MS.Trt_vs_MS.NoTrt_F
BSCL2	0.01682	-0.641	0.201	0.3	1	MS.Trt_vs_MS.NoTrt_F
FBXO38	0.01682	-0.5058	0.507	0.6	1	MS.Trt_vs_MS.NoTrt_F
CAMK2D	0.01683	1.06885	0.227	0.35	1	MS.Trt_vs_MS.NoTrt_F
PLPP5	0.01685	0.41188	0.878	0.93	1	MS.Trt_vs_MS.NoTrt_F
SNAPC1	0.01689	-0.2826	0.683	0.82	1	MS.Trt_vs_MS.NoTrt_F
DDX41	0.0169	0.33062	0.129	0.22	1	MS.Trt_vs_MS.NoTrt_F
TAPBPL	0.01693	0.25916	0.216	0.33	1	MS.Trt_vs_MS.NoTrt_F
LYAR	0.01693	0.93488	0.112	0.2	1	MS.Trt_vs_MS.NoTrt_F
PCNA	0.01696	0.44513	0.097	0.18	1	MS.Trt_vs_MS.NoTrt_F
DDX43	0.01698	-0.7696	0.147	0.24	1	MS.Trt_vs_MS.NoTrt_F

FDXACB1	0.017	-0.3816	0.388	0.51	1 MS.Trt_vs_MS.NoTrt_F
ITGA11	0.01708	-0.278	0.561	0.7	1 MS.Trt_vs_MS.NoTrt_F
APOL3	0.01709	-0.3397	0.176	0.27	1 MS.Trt_vs_MS.NoTrt_F
APH1B	0.01718	0.31451	0.094	0.17	1 MS.Trt_vs_MS.NoTrt_F
CNNM4	0.0172	0.83636	0.05	0.11	1 MS.Trt_vs_MS.NoTrt_F
SMARCA5	0.01721	-0.3121	0.363	0.49	1 MS.Trt_vs_MS.NoTrt_F
APEX1	0.01721	0.57736	0.155	0.26	1 MS.Trt_vs_MS.NoTrt_F
ZBTB7A	0.01722	1.02949	0.126	0.22	1 MS.Trt_vs_MS.NoTrt_F
C2orf49	0.01726	-0.3113	0.399	0.52	1 MS.Trt_vs_MS.NoTrt_F
CHSY1	0.01729	-0.4264	0.255	0.36	1 MS.Trt_vs_MS.NoTrt_F
DDX18	0.01732	0.30988	0.694	0.8	1 MS.Trt_vs_MS.NoTrt_F
PTK2	0.01738	0.37576	0.914	0.96	1 MS.Trt_vs_MS.NoTrt_F
IKBKAP	0.0174	-0.2918	0.259	0.35	1 MS.Trt_vs_MS.NoTrt_F
ETHE1	0.0174	-0.3405	0.09	0.17	1 MS.Trt_vs_MS.NoTrt_F
MRPL17	0.01742	0.74801	0.09	0.17	1 MS.Trt_vs_MS.NoTrt_F
ZDHHC7	0.01743	-0.3679	0.212	0.31	1 MS.Trt_vs_MS.NoTrt_F
TSTA3	0.01745	0.3789	0.162	0.27	1 MS.Trt_vs_MS.NoTrt_F
QSOX2	0.01747	0.27465	0.144	0.24	1 MS.Trt_vs_MS.NoTrt_F
MARS	0.01753	-0.4945	0.414	0.5	1 MS.Trt_vs_MS.NoTrt_F
TMEM30A	0.01762	0.41476	0.219	0.33	1 MS.Trt_vs_MS.NoTrt_F
DHX16	0.01762	0.36871	0.147	0.24	1 MS.Trt_vs_MS.NoTrt_F
CES2	0.01769	0.9083	0.309	0.43	1 MS.Trt_vs_MS.NoTrt_F
BIVM	0.01775	0.56298	0.309	0.44	1 MS.Trt_vs_MS.NoTrt_F
TARBP1	0.01775	-0.9287	0.371	0.49	1 MS.Trt_vs_MS.NoTrt_F
ABHD13	0.01779	-0.3212	0.112	0.19	1 MS.Trt_vs_MS.NoTrt_F
OGFR	0.01789	-0.4494	0.201	0.3	1 MS.Trt_vs_MS.NoTrt_F
STXBP4	0.01794	0.43395	0.45	0.59	1 MS.Trt_vs_MS.NoTrt_F
ST8SIA6	0.01796	0.68545	0.367	0.49	1 MS.Trt_vs_MS.NoTrt_F
IDH1	0.01797	-0.9368	0.216	0.32	1 MS.Trt_vs_MS.NoTrt_F
DAP3	0.01802	-0.4699	0.903	0.93	1 MS.Trt_vs_MS.NoTrt_F
BACE1	0.01806	0.52473	0.536	0.7	1 MS.Trt_vs_MS.NoTrt_F
TMEM223	0.0181	0.30787	0.176	0.28	1 MS.Trt_vs_MS.NoTrt_F
ADPRHL1	0.01818	-0.3569	0.277	0.38	1 MS.Trt_vs_MS.NoTrt_F
PTP4A3	0.01819	0.31656	0.09	0.17	1 MS.Trt_vs_MS.NoTrt_F
ARL17A	0.01825	0.2662	0.583	0.77	1 MS.Trt_vs_MS.NoTrt_F
BMF	0.01832	0.43729	0.101	0.18	1 MS.Trt_vs_MS.NoTrt_F
ZMYM6	0.01836	0.63708	0.824	0.79	1 MS.Trt_vs_MS.NoTrt_F
SULT2B1	0.01836	-0.5968	0.464	0.6	1 MS.Trt_vs_MS.NoTrt_F
VWA5A	0.01839	-0.311	0.086	0.16	1 MS.Trt_vs_MS.NoTrt_F
ULK4	0.01841	-0.6216	0.291	0.4	1 MS.Trt_vs_MS.NoTrt_F

COL6A3	0.01842	0.36987	0.396	0.54	1 MS.Trt_vs_MS.NoTrt_F
FBXO24	0.01843	-0.3558	0.374	0.51	1 MS.Trt_vs_MS.NoTrt_F
CASP7	0.01843	-1.737	0.169	0.26	1 MS.Trt_vs_MS.NoTrt_F
MEIS3	0.01847	1.28909	0.104	0.18	1 MS.Trt_vs_MS.NoTrt_F
ARL1	0.01848	0.29848	0.327	0.45	1 MS.Trt_vs_MS.NoTrt_F
USP21	0.01849	-0.4656	0.137	0.23	1 MS.Trt_vs_MS.NoTrt_F
PRKACA	0.01849	-0.3366	0.216	0.33	1 MS.Trt_vs_MS.NoTrt_F
C19orf12	0.01858	-0.5305	0.363	0.48	1 MS.Trt_vs_MS.NoTrt_F
VASP	0.01862	-0.4281	0.572	0.68	1 MS.Trt_vs_MS.NoTrt_F
PKIB	0.01862	-0.3611	0.701	0.79	1 MS.Trt_vs_MS.NoTrt_F
EMILIN2	0.01864	0.99908	0.417	0.53	1 MS.Trt_vs_MS.NoTrt_F
PGGT1B	0.01869	0.87853	0.183	0.29	1 MS.Trt_vs_MS.NoTrt_F
MED14	0.01869	0.25391	0.162	0.27	1 MS.Trt_vs_MS.NoTrt_F
ELMOD2	0.01871	0.78385	0.097	0.18	1 MS.Trt_vs_MS.NoTrt_F
RANBP3	0.01871	-0.4258	0.755	0.86	1 MS.Trt_vs_MS.NoTrt_F
SLC25A46	0.01871	0.64978	0.14	0.23	1 MS.Trt_vs_MS.NoTrt_F
MAN2A1	0.01874	0.29271	0.245	0.37	1 MS.Trt_vs_MS.NoTrt_F
ACTG2	0.01876	-0.3728	0.259	0.35	1 MS.Trt_vs_MS.NoTrt_F
ZFAT	0.01886	-1.0352	0.331	0.46	1 MS.Trt_vs_MS.NoTrt_F
SLC10A7	0.01891	-0.7683	0.097	0.17	1 MS.Trt_vs_MS.NoTrt_F
ARMCX4	0.01891	0.49154	0.187	0.29	1 MS.Trt_vs_MS.NoTrt_F
SSR4	0.01894	0.7491	0.317	0.45	1 MS.Trt_vs_MS.NoTrt_F
CCR4	0.01905	-0.2577	0.91	0.94	1 MS.Trt_vs_MS.NoTrt_F
KAT8	0.01907	-0.5427	0.101	0.18	1 MS.Trt_vs_MS.NoTrt_F
GTF2A1	0.01909	0.31249	0.09	0.17	1 MS.Trt_vs_MS.NoTrt_F
SLC4A2	0.0191	-0.5648	0.083	0.16	1 MS.Trt_vs_MS.NoTrt_F
GPN1	0.01913	0.39794	0.165	0.26	1 MS.Trt_vs_MS.NoTrt_F
TRRAP	0.01914	0.40601	0.14	0.24	1 MS.Trt_vs_MS.NoTrt_F
CPT1B	0.01923	0.27416	0.194	0.29	1 MS.Trt_vs_MS.NoTrt_F
LDOC1	0.01925	0.48636	0.09	0.17	1 MS.Trt_vs_MS.NoTrt_F
CALU	0.01926	0.38143	0.353	0.49	1 MS.Trt_vs_MS.NoTrt_F
EFCAB7	0.01935	-0.4853	0.076	0.14	1 MS.Trt_vs_MS.NoTrt_F
SEC11A	0.0194	-0.3262	0.766	0.88	1 MS.Trt_vs_MS.NoTrt_F
RPL39	0.01941	0.26655	0.597	0.89	1 MS.Trt_vs_MS.NoTrt_F
EHBP1L1	0.01942	0.87307	0.201	0.31	1 MS.Trt_vs_MS.NoTrt_F
ZC3H12B	0.01944	0.65571	0.504	0.62	1 MS.Trt_vs_MS.NoTrt_F
NCOA1	0.01949	0.63261	0.187	0.28	1 MS.Trt_vs_MS.NoTrt_F
RP11-47I22.	0.01952	-0.2904	0.478	0.61	1 MS.Trt_vs_MS.NoTrt_F
C3orf58	0.01954	0.45088	0.133	0.22	1 MS.Trt_vs_MS.NoTrt_F
MRPS33	0.01955	-0.333	0.924	0.95	1 MS.Trt_vs_MS.NoTrt_F

RBBP9	0.01962	-1.1163	0.378	0.5	1	MS.Trt_vs_MS.NoTrt_F
TRIM58	0.01965	0.35617	0.662	0.61	1	MS.Trt_vs_MS.NoTrt_F
IFFO2	0.01966	-0.6151	0.165	0.25	1	MS.Trt_vs_MS.NoTrt_F
ATP13A3	0.01974	0.49791	0.129	0.22	1	MS.Trt_vs_MS.NoTrt_F
KATNA1	0.01981	0.8849	0.122	0.21	1	MS.Trt_vs_MS.NoTrt_F
RBBP8	0.01992	-0.2533	0.101	0.18	1	MS.Trt_vs_MS.NoTrt_F
NVL	0.01992	0.53484	0.741	0.88	1	MS.Trt_vs_MS.NoTrt_F
SETD4	0.01997	0.6437	0.511	0.61	1	MS.Trt_vs_MS.NoTrt_F
RP11-613M:	0.02003	-0.3072	0.162	0.24	1	MS.Trt_vs_MS.NoTrt_F
ALG12	0.02011	-0.2548	0.155	0.25	1	MS.Trt_vs_MS.NoTrt_F
PCDH9	0.02012	-0.3142	0.669	0.75	1	MS.Trt_vs_MS.NoTrt_F
MOB1A	0.02013	0.32951	0.82	0.91	1	MS.Trt_vs_MS.NoTrt_F
ZNF232	0.02013	-0.5792	0.065	0.13	1	MS.Trt_vs_MS.NoTrt_F
LTB4R	0.02014	-0.3008	0.349	0.45	1	MS.Trt_vs_MS.NoTrt_F
ELL	0.02018	0.79014	0.162	0.27	1	MS.Trt_vs_MS.NoTrt_F
IRAK4	0.02021	-0.3495	0.579	0.68	1	MS.Trt_vs_MS.NoTrt_F
NCLN	0.02026	0.27645	0.151	0.24	1	MS.Trt_vs_MS.NoTrt_F
AEN	0.02028	0.39591	0.137	0.23	1	MS.Trt_vs_MS.NoTrt_F
SLC15A3	0.02028	-0.3077	0.076	0.14	1	MS.Trt_vs_MS.NoTrt_F
UBE2N	0.02035	0.46578	0.536	0.66	1	MS.Trt_vs_MS.NoTrt_F
GTF2H5	0.0204	0.30796	0.853	0.78	1	MS.Trt_vs_MS.NoTrt_F
IGFLR1	0.02052	0.52898	0.543	0.71	1	MS.Trt_vs_MS.NoTrt_F
TMEM2	0.02055	0.27167	0.608	0.71	1	MS.Trt_vs_MS.NoTrt_F
CCNYL1	0.02059	0.41789	0.353	0.5	1	MS.Trt_vs_MS.NoTrt_F
FBXL15	0.0206	0.51393	0.144	0.24	1	MS.Trt_vs_MS.NoTrt_F
CDR2	0.02068	0.31451	0.147	0.24	1	MS.Trt_vs_MS.NoTrt_F
ZC3H7B	0.02068	-0.6064	0.766	0.83	1	MS.Trt_vs_MS.NoTrt_F
FXR1	0.0207	0.38957	0.205	0.31	1	MS.Trt_vs_MS.NoTrt_F
WHSC1	0.02074	0.31766	0.683	0.74	1	MS.Trt_vs_MS.NoTrt_F
OTUB1	0.02077	0.37028	0.881	0.98	1	MS.Trt_vs_MS.NoTrt_F
IDI1	0.02079	0.62342	0.212	0.33	1	MS.Trt_vs_MS.NoTrt_F
CASZ1	0.02085	-0.8162	0.255	0.36	1	MS.Trt_vs_MS.NoTrt_F
NISCH	0.021	0.25833	0.399	0.49	1	MS.Trt_vs_MS.NoTrt_F
ZNF197	0.02102	-0.3028	0.471	0.59	1	MS.Trt_vs_MS.NoTrt_F
C9orf72	0.02103	0.72179	0.169	0.27	1	MS.Trt_vs_MS.NoTrt_F
ATXN1L	0.02103	-0.5812	0.097	0.17	1	MS.Trt_vs_MS.NoTrt_F
DYNLRB1	0.02108	0.43263	0.198	0.31	1	MS.Trt_vs_MS.NoTrt_F
DCTPP1	0.0211	0.40369	0.112	0.19	1	MS.Trt_vs_MS.NoTrt_F
TMEM8A	0.02117	0.29931	0.076	0.14	1	MS.Trt_vs_MS.NoTrt_F
CEP55	0.02122	-0.6461	0.14	0.23	1	MS.Trt_vs_MS.NoTrt_F

CRACR2A	0.02122	-0.2821	0.629	0.71	1	MS.Trt_vs_MS.NoTrt_F
SLC2A8	0.02123	-1.368	0.266	0.38	1	MS.Trt_vs_MS.NoTrt_F
HARS2	0.02124	0.82185	0.129	0.22	1	MS.Trt_vs_MS.NoTrt_F
SPRED3	0.02125	0.29193	0.676	0.62	1	MS.Trt_vs_MS.NoTrt_F
CLUL1	0.02126	-0.3945	0.09	0.16	1	MS.Trt_vs_MS.NoTrt_F
ACADS	0.02127	0.36813	0.112	0.19	1	MS.Trt_vs_MS.NoTrt_F
HIST1H1C	0.0213	0.53261	0.129	0.22	1	MS.Trt_vs_MS.NoTrt_F
CCDC126	0.02131	0.62474	0.104	0.18	1	MS.Trt_vs_MS.NoTrt_F
USP11	0.02133	-0.3466	0.191	0.29	1	MS.Trt_vs_MS.NoTrt_F
FNTA	0.02134	-0.3216	0.824	0.91	1	MS.Trt_vs_MS.NoTrt_F
TNXB	0.02135	0.31141	0.104	0.18	1	MS.Trt_vs_MS.NoTrt_F
SCAND1	0.02136	0.43509	0.187	0.29	1	MS.Trt_vs_MS.NoTrt_F
USP30	0.02141	-0.4928	0.302	0.38	1	MS.Trt_vs_MS.NoTrt_F
SEMA6A	0.02142	-0.4944	0.065	0.13	1	MS.Trt_vs_MS.NoTrt_F
CHMP6	0.02142	0.39272	0.122	0.21	1	MS.Trt_vs_MS.NoTrt_F
TRANK1	0.02142	-0.3005	0.216	0.32	1	MS.Trt_vs_MS.NoTrt_F
RP11-507K1	0.02143	0.32898	0.068	0.13	1	MS.Trt_vs_MS.NoTrt_F
FAM199X	0.02153	0.81596	0.072	0.14	1	MS.Trt_vs_MS.NoTrt_F
HIST1H4C	0.02155	0.74863	0.331	0.51	1	MS.Trt_vs_MS.NoTrt_F
DNTTIP1	0.02155	0.7968	0.079	0.15	1	MS.Trt_vs_MS.NoTrt_F
BAZ2A	0.02156	0.44063	0.594	0.71	1	MS.Trt_vs_MS.NoTrt_F
LMOD3	0.02157	-0.6072	0.403	0.51	1	MS.Trt_vs_MS.NoTrt_F
PELP1	0.02158	-0.3643	0.263	0.36	1	MS.Trt_vs_MS.NoTrt_F
GPATCH4	0.0216	0.56613	0.248	0.35	1	MS.Trt_vs_MS.NoTrt_F
RPF1	0.02162	0.45851	0.245	0.35	1	MS.Trt_vs_MS.NoTrt_F
SAMM50	0.02166	0.33125	0.453	0.56	1	MS.Trt_vs_MS.NoTrt_F
GZMA	0.02167	0.56978	0.112	0.19	1	MS.Trt_vs_MS.NoTrt_F
CDK17	0.02167	0.7208	0.198	0.31	1	MS.Trt_vs_MS.NoTrt_F
GOSR2	0.02168	0.7618	0.129	0.22	1	MS.Trt_vs_MS.NoTrt_F
SLC5A3	0.02169	0.4968	0.126	0.21	1	MS.Trt_vs_MS.NoTrt_F
WNT10A	0.02173	0.36023	0.162	0.25	1	MS.Trt_vs_MS.NoTrt_F
LOXL1	0.02174	0.28086	0.086	0.16	1	MS.Trt_vs_MS.NoTrt_F
TBX19	0.02176	0.37824	0.09	0.16	1	MS.Trt_vs_MS.NoTrt_F
MAP4K3	0.02177	-0.9514	0.068	0.13	1	MS.Trt_vs_MS.NoTrt_F
MEN1	0.02178	-1.0492	0.094	0.17	1	MS.Trt_vs_MS.NoTrt_F
MAP3K7CL	0.02179	-0.5956	0.424	0.53	1	MS.Trt_vs_MS.NoTrt_F
APOBEC3C	0.02181	0.75744	0.788	0.85	1	MS.Trt_vs_MS.NoTrt_F
MSL1	0.02183	0.47914	0.525	0.66	1	MS.Trt_vs_MS.NoTrt_F
PDCD2	0.02184	0.66607	0.119	0.2	1	MS.Trt_vs_MS.NoTrt_F
COASY	0.02184	-0.6538	0.442	0.53	1	MS.Trt_vs_MS.NoTrt_F

MLLT3	0.02186	0.27463	0.371	0.5	1 MS.Trt_vs_MS.NoTrt_F
DCTN6	0.02191	-0.2883	0.511	0.62	1 MS.Trt_vs_MS.NoTrt_F
VRK1	0.02191	-0.6806	0.201	0.28	1 MS.Trt_vs_MS.NoTrt_F
XKR6	0.02191	0.3471	0.079	0.15	1 MS.Trt_vs_MS.NoTrt_F
PPIL2	0.02191	0.2985	0.392	0.49	1 MS.Trt_vs_MS.NoTrt_F
CCDC12	0.02196	0.25274	0.281	0.4	1 MS.Trt_vs_MS.NoTrt_F
EIF2AK3	0.02207	1.262	0.079	0.15	1 MS.Trt_vs_MS.NoTrt_F
IFIT5	0.02208	0.99641	0.083	0.16	1 MS.Trt_vs_MS.NoTrt_F
AL356053.1	0.02214	-0.6549	0.061	0.12	1 MS.Trt_vs_MS.NoTrt_F
ADCK1	0.02216	-1.4668	0.234	0.33	1 MS.Trt_vs_MS.NoTrt_F
MELK	0.02217	0.47701	0.586	0.53	1 MS.Trt_vs_MS.NoTrt_F
ANKRD6	0.02218	-0.4291	0.14	0.22	1 MS.Trt_vs_MS.NoTrt_F
SREBF2	0.02219	0.52254	0.165	0.27	1 MS.Trt_vs_MS.NoTrt_F
CYP2D6	0.0223	-0.7091	0.076	0.14	1 MS.Trt_vs_MS.NoTrt_F
EPS8L2	0.02239	-0.3436	0.065	0.13	1 MS.Trt_vs_MS.NoTrt_F
CD226	0.02241	-0.67	0.518	0.61	1 MS.Trt_vs_MS.NoTrt_F
GSPT2	0.02245	0.34641	0.072	0.14	1 MS.Trt_vs_MS.NoTrt_F
SLC39A13	0.02246	0.78885	0.14	0.23	1 MS.Trt_vs_MS.NoTrt_F
ARV1	0.0225	-0.6808	0.277	0.39	1 MS.Trt_vs_MS.NoTrt_F
CNNM2	0.02251	0.47307	0.317	0.43	1 MS.Trt_vs_MS.NoTrt_F
CALCOCO2	0.02252	-0.327	0.982	1	1 MS.Trt_vs_MS.NoTrt_F
CHD4	0.02256	0.34358	0.536	0.66	1 MS.Trt_vs_MS.NoTrt_F
MRPL22	0.02259	0.59409	0.212	0.32	1 MS.Trt_vs_MS.NoTrt_F
FUCA1	0.02261	0.62108	0.079	0.15	1 MS.Trt_vs_MS.NoTrt_F
PACS2	0.02264	0.66966	0.248	0.35	1 MS.Trt_vs_MS.NoTrt_F
ZC3HC1	0.02266	0.37907	0.414	0.56	1 MS.Trt_vs_MS.NoTrt_F
NDUFB3	0.02272	0.80406	0.216	0.34	1 MS.Trt_vs_MS.NoTrt_F
EIF4G1	0.02273	-0.7094	0.482	0.58	1 MS.Trt_vs_MS.NoTrt_F
ARHGEF39	0.02278	-0.54	0.622	0.76	1 MS.Trt_vs_MS.NoTrt_F
ASB7	0.02278	0.82652	0.097	0.17	1 MS.Trt_vs_MS.NoTrt_F
SET	0.02279	0.72599	0.874	0.96	1 MS.Trt_vs_MS.NoTrt_F
ADAM28	0.02282	1.27062	0.144	0.23	1 MS.Trt_vs_MS.NoTrt_F
SCOC	0.02298	0.58318	0.112	0.19	1 MS.Trt_vs_MS.NoTrt_F
CCDC120	0.02299	0.26541	0.507	0.65	1 MS.Trt_vs_MS.NoTrt_F
VNN3	0.023	0.64013	0.32	0.47	1 MS.Trt_vs_MS.NoTrt_F
MAP3K9	0.02306	0.58158	0.424	0.54	1 MS.Trt_vs_MS.NoTrt_F
ZNF432	0.02312	-0.9542	0.622	0.7	1 MS.Trt_vs_MS.NoTrt_F
NDUFAF5	0.02312	-0.4926	0.478	0.6	1 MS.Trt_vs_MS.NoTrt_F
HERC6	0.02314	0.43169	0.302	0.4	1 MS.Trt_vs_MS.NoTrt_F
TMPPE	0.02315	0.43731	0.072	0.14	1 MS.Trt_vs_MS.NoTrt_F

CNOT6L	0.02317	0.67341	0.241	0.35	1	MS.Trt_vs_MS.NoTrt_F
ARMCX6	0.02318	0.30992	0.079	0.15	1	MS.Trt_vs_MS.NoTrt_F
DISP1	0.02318	-0.7052	0.097	0.17	1	MS.Trt_vs_MS.NoTrt_F
ARL5A	0.0232	0.66904	0.173	0.28	1	MS.Trt_vs_MS.NoTrt_F
ZFP3	0.02322	-1.3607	0.115	0.19	1	MS.Trt_vs_MS.NoTrt_F
C9orf78	0.02323	-0.2867	0.964	0.98	1	MS.Trt_vs_MS.NoTrt_F
LZTR1	0.02324	-0.5468	0.252	0.34	1	MS.Trt_vs_MS.NoTrt_F
URI1	0.02331	0.32209	0.187	0.29	1	MS.Trt_vs_MS.NoTrt_F
MRPL44	0.02332	-0.7371	0.529	0.64	1	MS.Trt_vs_MS.NoTrt_F
CD59	0.02334	-0.4174	0.655	0.79	1	MS.Trt_vs_MS.NoTrt_F
ATXN7L3	0.02337	0.99958	0.076	0.14	1	MS.Trt_vs_MS.NoTrt_F
MRPL2	0.02337	0.33122	0.288	0.4	1	MS.Trt_vs_MS.NoTrt_F
ZHX2	0.02359	0.54757	0.137	0.23	1	MS.Trt_vs_MS.NoTrt_F
NUDT14	0.0236	0.56396	0.428	0.54	1	MS.Trt_vs_MS.NoTrt_F
SLC25A43	0.02362	-0.2656	0.219	0.31	1	MS.Trt_vs_MS.NoTrt_F
ATPAF2	0.02363	0.28989	0.439	0.56	1	MS.Trt_vs_MS.NoTrt_F
NSFL1C	0.02363	0.54586	0.155	0.25	1	MS.Trt_vs_MS.NoTrt_F
ITGAL	0.02365	0.27691	0.752	0.84	1	MS.Trt_vs_MS.NoTrt_F
HSF5	0.02368	-0.2745	0.09	0.16	1	MS.Trt_vs_MS.NoTrt_F
HIKESHI	0.02368	0.30571	0.442	0.57	1	MS.Trt_vs_MS.NoTrt_F
SESN1	0.02369	0.73781	0.183	0.29	1	MS.Trt_vs_MS.NoTrt_F
ZNF48	0.02374	-0.5322	0.058	0.12	1	MS.Trt_vs_MS.NoTrt_F
TTC33	0.02388	0.28094	0.259	0.36	1	MS.Trt_vs_MS.NoTrt_F
ZNF10	0.024	1.08885	0.126	0.21	1	MS.Trt_vs_MS.NoTrt_F
HINT2	0.02407	0.71848	0.101	0.18	1	MS.Trt_vs_MS.NoTrt_F
MED19	0.0242	0.25717	0.086	0.16	1	MS.Trt_vs_MS.NoTrt_F
DDX10	0.02422	-0.7917	0.658	0.75	1	MS.Trt_vs_MS.NoTrt_F
NBPF1	0.02435	0.25717	0.219	0.33	1	MS.Trt_vs_MS.NoTrt_F
GEMIN5	0.02438	-2.2503	0.05	0.11	1	MS.Trt_vs_MS.NoTrt_F
BRAF	0.0244	0.37937	0.147	0.24	1	MS.Trt_vs_MS.NoTrt_F
SPECC1L-AD	0.02446	-1.148	0.187	0.28	1	MS.Trt_vs_MS.NoTrt_F
CLP1	0.02447	-1.3381	0.05	0.11	1	MS.Trt_vs_MS.NoTrt_F
OSBPL9	0.02451	-0.5229	0.309	0.41	1	MS.Trt_vs_MS.NoTrt_F
BAHD1	0.02455	0.79769	0.072	0.14	1	MS.Trt_vs_MS.NoTrt_F
IDNK	0.02456	-0.3793	0.367	0.48	1	MS.Trt_vs_MS.NoTrt_F
HARS	0.02457	0.28833	0.871	0.87	1	MS.Trt_vs_MS.NoTrt_F
AASDHPPT	0.02462	0.4914	0.205	0.31	1	MS.Trt_vs_MS.NoTrt_F
FEM1B	0.02463	-0.5941	0.09	0.16	1	MS.Trt_vs_MS.NoTrt_F
ERLIN1	0.02463	-1.8533	0.054	0.11	1	MS.Trt_vs_MS.NoTrt_F
FANCM	0.02463	-0.6268	0.104	0.18	1	MS.Trt_vs_MS.NoTrt_F

ZFYVE1	0.02466	-0.3212	0.108	0.18	1	MS.Trt_vs_MS.NoTrt_F
RP11-449H3	0.02469	-0.9919	0.234	0.33	1	MS.Trt_vs_MS.NoTrt_F
PEX14	0.02482	-0.5469	0.119	0.19	1	MS.Trt_vs_MS.NoTrt_F
PARBPB	0.02484	0.59105	0.338	0.45	1	MS.Trt_vs_MS.NoTrt_F
ATP5J2-PTCI	0.02487	-0.5081	0.058	0.12	1	MS.Trt_vs_MS.NoTrt_F
KYAT1	0.02488	0.50801	0.162	0.25	1	MS.Trt_vs_MS.NoTrt_F
TOMM34	0.02491	0.8242	0.083	0.16	1	MS.Trt_vs_MS.NoTrt_F
MRPL45	0.025	-0.5422	0.076	0.14	1	MS.Trt_vs_MS.NoTrt_F
TMEM184B	0.02502	-0.5384	0.09	0.16	1	MS.Trt_vs_MS.NoTrt_F
SOCS4	0.02514	-0.4267	0.299	0.41	1	MS.Trt_vs_MS.NoTrt_F
LRTOMT	0.02521	0.50641	0.849	0.83	1	MS.Trt_vs_MS.NoTrt_F
FAM45A	0.02521	-0.476	0.673	0.76	1	MS.Trt_vs_MS.NoTrt_F
BCDIN3D	0.02523	-1.5482	0.385	0.46	1	MS.Trt_vs_MS.NoTrt_F
SCRIB	0.02523	-0.4501	0.054	0.11	1	MS.Trt_vs_MS.NoTrt_F
MMRN2	0.02527	-0.4126	0.162	0.26	1	MS.Trt_vs_MS.NoTrt_F
IP6K1	0.02529	0.45069	0.151	0.24	1	MS.Trt_vs_MS.NoTrt_F
MRPS34	0.02532	0.66071	0.18	0.29	1	MS.Trt_vs_MS.NoTrt_F
WDR60	0.0255	0.4163	0.144	0.23	1	MS.Trt_vs_MS.NoTrt_F
YDJC	0.02553	0.38461	0.162	0.26	1	MS.Trt_vs_MS.NoTrt_F
CCDC86	0.02554	0.56567	0.068	0.13	1	MS.Trt_vs_MS.NoTrt_F
TRMT61B	0.02572	1.11367	0.129	0.22	1	MS.Trt_vs_MS.NoTrt_F
KLF11	0.02572	-0.3631	0.054	0.11	1	MS.Trt_vs_MS.NoTrt_F
FKBP4	0.02574	-0.4021	0.108	0.18	1	MS.Trt_vs_MS.NoTrt_F
MON2	0.02577	0.52428	0.36	0.49	1	MS.Trt_vs_MS.NoTrt_F
FAM185A	0.02578	-0.8371	0.126	0.2	1	MS.Trt_vs_MS.NoTrt_F
C7	0.02582	-0.3618	0.381	0.51	1	MS.Trt_vs_MS.NoTrt_F
CCDC146	0.02582	-0.7162	0.09	0.16	1	MS.Trt_vs_MS.NoTrt_F
SLC35A1	0.02589	0.30744	0.137	0.22	1	MS.Trt_vs_MS.NoTrt_F
CCDC69	0.02597	-0.6082	0.827	0.88	1	MS.Trt_vs_MS.NoTrt_F
EVA1C	0.02599	-0.4939	0.144	0.23	1	MS.Trt_vs_MS.NoTrt_F
SLC9B2	0.026	0.69078	0.079	0.15	1	MS.Trt_vs_MS.NoTrt_F
MAMLD1	0.02604	0.99473	0.187	0.29	1	MS.Trt_vs_MS.NoTrt_F
USP31	0.02607	0.84783	0.112	0.19	1	MS.Trt_vs_MS.NoTrt_F
NR4A1	0.02608	0.88826	0.435	0.57	1	MS.Trt_vs_MS.NoTrt_F
PPTC7	0.02615	-0.2755	0.094	0.17	1	MS.Trt_vs_MS.NoTrt_F
ABCD3	0.02619	-0.4414	0.144	0.23	1	MS.Trt_vs_MS.NoTrt_F
CNTROB	0.02631	-0.4864	0.201	0.29	1	MS.Trt_vs_MS.NoTrt_F
ZNF235	0.02636	0.31503	0.133	0.22	1	MS.Trt_vs_MS.NoTrt_F
DDIT4	0.0264	0.34192	0.342	0.5	1	MS.Trt_vs_MS.NoTrt_F
RNF207	0.02641	0.7633	0.737	0.7	1	MS.Trt_vs_MS.NoTrt_F



FZR1	0.02644	-0.3703	0.129	0.22	1	MS.Trt_vs_MS.NoTrt_F
ZNF335	0.02645	-0.4241	0.331	0.41	1	MS.Trt_vs_MS.NoTrt_F
DYRK2	0.02645	0.91141	0.155	0.25	1	MS.Trt_vs_MS.NoTrt_F
RAB33A	0.02648	0.53155	0.097	0.17	1	MS.Trt_vs_MS.NoTrt_F
SETD1A	0.02652	1.03983	0.068	0.13	1	MS.Trt_vs_MS.NoTrt_F
SLC26A11	0.0266	-0.4955	0.597	0.72	1	MS.Trt_vs_MS.NoTrt_F
ZFAND1	0.02661	0.74758	0.14	0.23	1	MS.Trt_vs_MS.NoTrt_F
LIN52	0.02665	0.6958	0.676	0.78	1	MS.Trt_vs_MS.NoTrt_F
DHX40	0.02668	0.92519	0.122	0.2	1	MS.Trt_vs_MS.NoTrt_F
FBXO31	0.02677	-0.3733	0.335	0.44	1	MS.Trt_vs_MS.NoTrt_F
SUCLA2	0.02679	0.49468	0.126	0.21	1	MS.Trt_vs_MS.NoTrt_F
ICOSLG	0.02687	-0.4602	0.709	0.85	1	MS.Trt_vs_MS.NoTrt_F
PRIMPOL	0.02691	-0.3379	0.112	0.19	1	MS.Trt_vs_MS.NoTrt_F
RFX3	0.02704	-0.4877	0.187	0.28	1	MS.Trt_vs_MS.NoTrt_F
L3MBTL4	0.02705	-0.7966	0.432	0.59	1	MS.Trt_vs_MS.NoTrt_F
SEC23IP	0.02712	-0.4543	0.385	0.5	1	MS.Trt_vs_MS.NoTrt_F
CISD2	0.02721	0.64533	0.446	0.55	1	MS.Trt_vs_MS.NoTrt_F
IL17RA	0.02721	-0.3261	0.658	0.76	1	MS.Trt_vs_MS.NoTrt_F
PYGB	0.02725	0.42616	0.144	0.23	1	MS.Trt_vs_MS.NoTrt_F
PABPC1L	0.0273	-0.3682	0.288	0.39	1	MS.Trt_vs_MS.NoTrt_F
KDM1B	0.02734	-0.807	0.086	0.16	1	MS.Trt_vs_MS.NoTrt_F
OSBP	0.02736	0.26665	0.09	0.16	1	MS.Trt_vs_MS.NoTrt_F
CRADD	0.0275	0.41125	0.094	0.17	1	MS.Trt_vs_MS.NoTrt_F
TRIM11	0.02754	-0.6106	0.554	0.64	1	MS.Trt_vs_MS.NoTrt_F
ACOT13	0.02755	-0.6361	0.374	0.46	1	MS.Trt_vs_MS.NoTrt_F
EDA	0.02755	-0.6303	0.367	0.48	1	MS.Trt_vs_MS.NoTrt_F
KCNMB3	0.02757	0.42663	0.378	0.47	1	MS.Trt_vs_MS.NoTrt_F
AGA	0.0276	0.33025	0.137	0.22	1	MS.Trt_vs_MS.NoTrt_F
CLDN11	0.02764	0.57945	0.568	0.69	1	MS.Trt_vs_MS.NoTrt_F
CENPP	0.02769	-0.5971	0.05	0.11	1	MS.Trt_vs_MS.NoTrt_F
TMPRSS13	0.0277	1.04501	0.162	0.24	1	MS.Trt_vs_MS.NoTrt_F
KTI12	0.02786	0.32775	0.09	0.16	1	MS.Trt_vs_MS.NoTrt_F
THTPA	0.02789	0.41461	0.115	0.19	1	MS.Trt_vs_MS.NoTrt_F
MYDGF	0.02789	0.4906	0.162	0.26	1	MS.Trt_vs_MS.NoTrt_F
RNF215	0.02791	-0.6309	0.468	0.54	1	MS.Trt_vs_MS.NoTrt_F
ZNF181	0.02795	-0.4573	0.169	0.27	1	MS.Trt_vs_MS.NoTrt_F
PML	0.02803	-0.3842	0.601	0.73	1	MS.Trt_vs_MS.NoTrt_F
COX8A	0.02803	0.63447	0.23	0.36	1	MS.Trt_vs_MS.NoTrt_F
FICD	0.02822	0.31439	0.083	0.15	1	MS.Trt_vs_MS.NoTrt_F
ATG7	0.02831	0.26187	0.536	0.69	1	MS.Trt_vs_MS.NoTrt_F

ATP13A2	0.02831	0.2805	0.421	0.53	1	MS.Trt_vs_MS.NoTrt_F
GPR68	0.02838	0.52003	0.133	0.22	1	MS.Trt_vs_MS.NoTrt_F
CEPT1	0.02847	0.42436	0.338	0.45	1	MS.Trt_vs_MS.NoTrt_F
IFT57	0.02849	0.38665	0.112	0.19	1	MS.Trt_vs_MS.NoTrt_F
POLR1E	0.02852	0.71034	0.129	0.21	1	MS.Trt_vs_MS.NoTrt_F
STK32C	0.02853	-0.5916	0.072	0.13	1	MS.Trt_vs_MS.NoTrt_F
SACS	0.02858	-0.2807	0.108	0.18	1	MS.Trt_vs_MS.NoTrt_F
SNRPG	0.02858	0.70523	0.313	0.45	1	MS.Trt_vs_MS.NoTrt_F
RAPGEF6	0.0286	-0.4707	0.442	0.55	1	MS.Trt_vs_MS.NoTrt_F
RPS26	0.02865	0.44722	0.691	0.77	1	MS.Trt_vs_MS.NoTrt_F
C10orf54	0.0287	0.35077	0.338	0.49	1	MS.Trt_vs_MS.NoTrt_F
SLC25A24	0.02897	0.50597	0.133	0.22	1	MS.Trt_vs_MS.NoTrt_F
AP3M1	0.02899	-0.311	0.468	0.55	1	MS.Trt_vs_MS.NoTrt_F
NOL6	0.02899	0.90876	0.381	0.5	1	MS.Trt_vs_MS.NoTrt_F
NRG4	0.02907	-0.4368	0.586	0.7	1	MS.Trt_vs_MS.NoTrt_F
ZNF180	0.0291	1.04966	0.353	0.43	1	MS.Trt_vs_MS.NoTrt_F
IRF2BP2	0.02921	0.38291	0.216	0.32	1	MS.Trt_vs_MS.NoTrt_F
CSE1L	0.02921	0.31546	0.223	0.33	1	MS.Trt_vs_MS.NoTrt_F
GFER	0.02922	0.423	0.083	0.15	1	MS.Trt_vs_MS.NoTrt_F
ARFGAP3	0.02926	-0.2835	0.327	0.43	1	MS.Trt_vs_MS.NoTrt_F
HLA-DMB	0.02928	-1.1508	0.101	0.17	1	MS.Trt_vs_MS.NoTrt_F
THSD4	0.02939	0.2812	0.324	0.44	1	MS.Trt_vs_MS.NoTrt_F
CNKSR1	0.02939	-0.6048	0.173	0.26	1	MS.Trt_vs_MS.NoTrt_F
TXN2	0.02943	0.44063	0.273	0.38	1	MS.Trt_vs_MS.NoTrt_F
GLIPR1	0.02946	0.34755	0.309	0.43	1	MS.Trt_vs_MS.NoTrt_F
INTS1	0.02946	-0.5757	0.367	0.46	1	MS.Trt_vs_MS.NoTrt_F
DCBLD2	0.02946	0.40731	0.64	0.77	1	MS.Trt_vs_MS.NoTrt_F
UBXN6	0.02946	0.93975	0.101	0.18	1	MS.Trt_vs_MS.NoTrt_F
NHSL2	0.02952	0.31094	0.633	0.74	1	MS.Trt_vs_MS.NoTrt_F
BHLHB9	0.02954	0.4948	0.345	0.48	1	MS.Trt_vs_MS.NoTrt_F
PLA2G6	0.02962	-0.4239	0.428	0.52	1	MS.Trt_vs_MS.NoTrt_F
CCDC24	0.02964	0.39302	0.745	0.66	1	MS.Trt_vs_MS.NoTrt_F
MFSD14B	0.02966	0.51032	0.122	0.2	1	MS.Trt_vs_MS.NoTrt_F
TUSC2	0.02969	0.28691	0.115	0.19	1	MS.Trt_vs_MS.NoTrt_F
ADRB2	0.02973	0.88376	0.205	0.31	1	MS.Trt_vs_MS.NoTrt_F
ABCC9	0.02978	0.34352	0.924	0.96	1	MS.Trt_vs_MS.NoTrt_F
HAUS4	0.02979	0.91741	0.147	0.24	1	MS.Trt_vs_MS.NoTrt_F
FBXO48	0.02984	-0.5884	0.655	0.8	1	MS.Trt_vs_MS.NoTrt_F
ELOVL6	0.02986	0.43577	0.342	0.45	1	MS.Trt_vs_MS.NoTrt_F
FIGNL1	0.0299	0.26478	0.151	0.23	1	MS.Trt_vs_MS.NoTrt_F

HACL1	0.02993	0.4571	0.137	0.22	1	MS.Trt_vs_MS.NoTrt_F
EXOSC8	0.02995	-0.6069	0.518	0.56	1	MS.Trt_vs_MS.NoTrt_F
ZNF616	0.02996	0.2767	0.665	0.83	1	MS.Trt_vs_MS.NoTrt_F
BTD	0.03	0.4935	0.097	0.17	1	MS.Trt_vs_MS.NoTrt_F
TPRG1L	0.03001	-0.8055	0.255	0.34	1	MS.Trt_vs_MS.NoTrt_F
FLNB	0.03002	0.50592	0.353	0.43	1	MS.Trt_vs_MS.NoTrt_F
AIFM2	0.03019	1.03527	0.371	0.49	1	MS.Trt_vs_MS.NoTrt_F
SMG6	0.03029	-0.6016	0.237	0.33	1	MS.Trt_vs_MS.NoTrt_F
BAZ2B	0.0303	-0.8906	0.806	0.87	1	MS.Trt_vs_MS.NoTrt_F
XRCC4	0.03032	0.33071	0.079	0.14	1	MS.Trt_vs_MS.NoTrt_F
ROCK2	0.03036	-0.4479	0.464	0.59	1	MS.Trt_vs_MS.NoTrt_F
IFI44L	0.03039	2.11549	0.209	0.32	1	MS.Trt_vs_MS.NoTrt_F
C8orf33	0.03048	0.87359	0.245	0.37	1	MS.Trt_vs_MS.NoTrt_F
RUSC1	0.0305	0.55947	0.083	0.15	1	MS.Trt_vs_MS.NoTrt_F
ENOSF1	0.03051	0.3626	0.813	0.9	1	MS.Trt_vs_MS.NoTrt_F
NOL11	0.03063	0.47044	0.475	0.56	1	MS.Trt_vs_MS.NoTrt_F
ANKAR	0.03072	-0.3543	0.137	0.22	1	MS.Trt_vs_MS.NoTrt_F
BTBD2	0.03078	0.68072	0.345	0.44	1	MS.Trt_vs_MS.NoTrt_F
SOCS5	0.03079	0.36977	0.09	0.16	1	MS.Trt_vs_MS.NoTrt_F
ALS2	0.03084	-0.4219	0.403	0.52	1	MS.Trt_vs_MS.NoTrt_F
ZNF799	0.03089	1.48124	0.367	0.48	1	MS.Trt_vs_MS.NoTrt_F
INSIG2	0.03096	0.84965	0.144	0.24	1	MS.Trt_vs_MS.NoTrt_F
TMED1	0.03109	-0.4404	0.083	0.15	1	MS.Trt_vs_MS.NoTrt_F
FOPNL	0.03114	-0.3036	0.561	0.64	1	MS.Trt_vs_MS.NoTrt_F
AP000275.6	0.03123	0.35972	0.094	0.17	1	MS.Trt_vs_MS.NoTrt_F
HECTD3	0.03125	0.31577	0.151	0.24	1	MS.Trt_vs_MS.NoTrt_F
CYP4F8	0.03128	0.32829	0.827	0.8	1	MS.Trt_vs_MS.NoTrt_F
GALK2	0.03137	-0.4691	0.892	0.94	1	MS.Trt_vs_MS.NoTrt_F
TCF4	0.03139	0.29969	0.669	0.76	1	MS.Trt_vs_MS.NoTrt_F
C9orf84	0.03145	-0.7193	0.072	0.13	1	MS.Trt_vs_MS.NoTrt_F
STARD6	0.03145	0.52159	0.129	0.2	1	MS.Trt_vs_MS.NoTrt_F
CYP4V2	0.03145	-0.327	0.752	0.82	1	MS.Trt_vs_MS.NoTrt_F
FAM58A	0.03148	0.59494	0.09	0.16	1	MS.Trt_vs_MS.NoTrt_F
MRPL27	0.0315	0.49302	0.176	0.27	1	MS.Trt_vs_MS.NoTrt_F
NDUFB5	0.0315	-0.3056	0.691	0.75	1	MS.Trt_vs_MS.NoTrt_F
NIFK	0.03159	-0.5369	0.496	0.59	1	MS.Trt_vs_MS.NoTrt_F
MCFD2	0.0316	0.34363	0.824	0.95	1	MS.Trt_vs_MS.NoTrt_F
TFPT	0.03167	0.54557	0.112	0.19	1	MS.Trt_vs_MS.NoTrt_F
TRPM1	0.03172	-0.4348	0.112	0.18	1	MS.Trt_vs_MS.NoTrt_F
FMNL1	0.03178	0.33587	0.683	0.85	1	MS.Trt_vs_MS.NoTrt_F

ENG	0.03179	0.61233	0.076	0.14	1 MS.Trt_vs_MS.NoTrt_F
ZMIZ2	0.03183	0.51388	0.183	0.28	1 MS.Trt_vs_MS.NoTrt_F
MRPL32	0.03195	0.51683	0.18	0.28	1 MS.Trt_vs_MS.NoTrt_F
DENND1B	0.03195	-0.5051	0.162	0.25	1 MS.Trt_vs_MS.NoTrt_F
PHACTR4	0.03207	0.39807	0.95	0.98	1 MS.Trt_vs_MS.NoTrt_F
UBASH3B	0.03215	-0.5735	0.421	0.51	1 MS.Trt_vs_MS.NoTrt_F
SNX8	0.03215	-0.3934	0.14	0.22	1 MS.Trt_vs_MS.NoTrt_F
STIL	0.03219	-0.7697	0.554	0.63	1 MS.Trt_vs_MS.NoTrt_F
RNF146	0.0322	0.69385	0.126	0.21	1 MS.Trt_vs_MS.NoTrt_F
STX1A	0.03235	-1.2833	0.065	0.12	1 MS.Trt_vs_MS.NoTrt_F
SKAP2	0.03236	-0.3101	0.219	0.31	1 MS.Trt_vs_MS.NoTrt_F
LYRM9	0.03238	-0.3611	0.176	0.27	1 MS.Trt_vs_MS.NoTrt_F
COPS9	0.03243	0.79206	0.187	0.29	1 MS.Trt_vs_MS.NoTrt_F
DPY19L4	0.03256	-1.0599	0.525	0.62	1 MS.Trt_vs_MS.NoTrt_F
ELAVL1	0.03257	0.4524	0.964	0.97	1 MS.Trt_vs_MS.NoTrt_F
F5	0.03266	0.72012	0.198	0.3	1 MS.Trt_vs_MS.NoTrt_F
GPR65	0.03268	0.86282	0.273	0.37	1 MS.Trt_vs_MS.NoTrt_F
SSFA2	0.03271	-1.0694	0.144	0.22	1 MS.Trt_vs_MS.NoTrt_F
ATG4C	0.03275	0.31168	0.072	0.13	1 MS.Trt_vs_MS.NoTrt_F
RIMS2	0.03287	0.2736	0.917	0.92	1 MS.Trt_vs_MS.NoTrt_F
NUTM2G	0.03291	0.26133	0.076	0.14	1 MS.Trt_vs_MS.NoTrt_F
OSBPL7	0.03295	0.34183	0.09	0.16	1 MS.Trt_vs_MS.NoTrt_F
GLCC1	0.03295	-0.3849	0.266	0.36	1 MS.Trt_vs_MS.NoTrt_F
GLCE	0.03299	-0.6206	0.155	0.23	1 MS.Trt_vs_MS.NoTrt_F
FUNDC1	0.03304	-0.3983	0.076	0.14	1 MS.Trt_vs_MS.NoTrt_F
CXCR2	0.03305	0.72452	0.302	0.38	1 MS.Trt_vs_MS.NoTrt_F
ARID2	0.03306	0.27335	0.694	0.81	1 MS.Trt_vs_MS.NoTrt_F
ENPP3	0.03325	1.25171	0.122	0.2	1 MS.Trt_vs_MS.NoTrt_F
FHL1	0.03331	-0.5266	0.072	0.13	1 MS.Trt_vs_MS.NoTrt_F
PIK3CA	0.03336	-0.275	0.072	0.13	1 MS.Trt_vs_MS.NoTrt_F
JOSD2	0.0334	0.28909	0.108	0.18	1 MS.Trt_vs_MS.NoTrt_F
CYB5R4	0.03343	-0.3782	0.888	0.95	1 MS.Trt_vs_MS.NoTrt_F
BCKDHB	0.0335	-0.5103	0.568	0.65	1 MS.Trt_vs_MS.NoTrt_F
MMAB	0.03351	-0.6891	0.64	0.71	1 MS.Trt_vs_MS.NoTrt_F
ATP6AP1	0.03356	-0.3916	0.464	0.54	1 MS.Trt_vs_MS.NoTrt_F
CHGB	0.03359	-0.562	0.399	0.49	1 MS.Trt_vs_MS.NoTrt_F
MANBAL	0.03361	-1.362	0.083	0.14	1 MS.Trt_vs_MS.NoTrt_F
DHPS	0.03362	0.42325	0.284	0.39	1 MS.Trt_vs_MS.NoTrt_F
PARP3	0.03368	-1.2609	0.076	0.14	1 MS.Trt_vs_MS.NoTrt_F
MKS1	0.03371	0.60552	0.079	0.14	1 MS.Trt_vs_MS.NoTrt_F

SEC61G	0.03381	0.41558	0.32	0.42	1 MS.Trt_vs_MS.NoTrt_F
KIDINS220	0.03389	0.25659	0.255	0.35	1 MS.Trt_vs_MS.NoTrt_F
PLCD1	0.03393	1.30375	0.097	0.17	1 MS.Trt_vs_MS.NoTrt_F
ERI1	0.03393	0.30478	0.428	0.54	1 MS.Trt_vs_MS.NoTrt_F
RTN2	0.03397	0.3393	0.345	0.26	1 MS.Trt_vs_MS.NoTrt_F
MTMR1	0.034	0.7985	0.18	0.27	1 MS.Trt_vs_MS.NoTrt_F
SREBF1	0.03406	-0.6064	0.068	0.13	1 MS.Trt_vs_MS.NoTrt_F
BRD1	0.03419	0.84538	0.115	0.19	1 MS.Trt_vs_MS.NoTrt_F
NDUFC2	0.0343	0.46426	0.572	0.67	1 MS.Trt_vs_MS.NoTrt_F
FAM102B	0.03434	0.34492	0.223	0.32	1 MS.Trt_vs_MS.NoTrt_F
PXK	0.03434	0.84412	0.119	0.2	1 MS.Trt_vs_MS.NoTrt_F
COX17	0.03435	0.37271	0.317	0.43	1 MS.Trt_vs_MS.NoTrt_F
ZNF821	0.03437	0.78727	0.086	0.16	1 MS.Trt_vs_MS.NoTrt_F
PKN2	0.03441	1.22963	0.313	0.43	1 MS.Trt_vs_MS.NoTrt_F
CRAT	0.03443	-0.458	0.068	0.13	1 MS.Trt_vs_MS.NoTrt_F
GPM6B	0.03453	0.47845	0.129	0.21	1 MS.Trt_vs_MS.NoTrt_F
WDR55	0.03455	-0.3506	0.676	0.76	1 MS.Trt_vs_MS.NoTrt_F
PLCH2	0.03456	1.23596	0.083	0.15	1 MS.Trt_vs_MS.NoTrt_F
FCHSD1	0.03473	0.29992	0.299	0.43	1 MS.Trt_vs_MS.NoTrt_F
KIF21B	0.03475	0.41892	0.432	0.55	1 MS.Trt_vs_MS.NoTrt_F
ATP11C	0.03479	0.68155	0.072	0.13	1 MS.Trt_vs_MS.NoTrt_F
ZNF362	0.03493	0.65207	0.147	0.23	1 MS.Trt_vs_MS.NoTrt_F
DDX42	0.03495	0.29417	0.378	0.49	1 MS.Trt_vs_MS.NoTrt_F
STK24	0.03495	0.6552	0.288	0.41	1 MS.Trt_vs_MS.NoTrt_F
DBNDD2	0.03498	-0.5183	0.065	0.12	1 MS.Trt_vs_MS.NoTrt_F
HDAC1	0.03498	0.29173	0.288	0.41	1 MS.Trt_vs_MS.NoTrt_F
CDC42SE1	0.03507	-0.4956	0.511	0.57	1 MS.Trt_vs_MS.NoTrt_F
FSD1L	0.03511	-0.4752	0.191	0.27	1 MS.Trt_vs_MS.NoTrt_F
CTD-2568A1	0.03521	-0.2504	0.388	0.47	1 MS.Trt_vs_MS.NoTrt_F
PHRF1	0.03523	0.54264	0.158	0.25	1 MS.Trt_vs_MS.NoTrt_F
SRR	0.03536	1.75542	0.068	0.13	1 MS.Trt_vs_MS.NoTrt_F
FAM92A1	0.03556	-0.2795	0.27	0.39	1 MS.Trt_vs_MS.NoTrt_F
ODF3B	0.03557	-0.3122	0.068	0.13	1 MS.Trt_vs_MS.NoTrt_F
PSMB3	0.03557	0.2617	0.302	0.44	1 MS.Trt_vs_MS.NoTrt_F
CDC16	0.03562	0.78824	0.18	0.27	1 MS.Trt_vs_MS.NoTrt_F
CAPZA1	0.03564	0.73096	0.856	0.97	1 MS.Trt_vs_MS.NoTrt_F
MTHFD2	0.03566	-0.7148	0.683	0.75	1 MS.Trt_vs_MS.NoTrt_F
NIPAL3	0.0358	0.25716	0.755	0.83	1 MS.Trt_vs_MS.NoTrt_F
TNFRSF10D	0.03587	0.33135	0.133	0.21	1 MS.Trt_vs_MS.NoTrt_F
TRMT1L	0.03597	0.37846	0.101	0.17	1 MS.Trt_vs_MS.NoTrt_F

ZXDB	0.03607	0.4398	0.072	0.13	1	MS.Trt_vs_MS.NoTrt_F
PDZD7	0.03607	-0.3044	0.41	0.54	1	MS.Trt_vs_MS.NoTrt_F
FAM120A	0.03612	0.69343	0.162	0.25	1	MS.Trt_vs_MS.NoTrt_F
DDX20	0.03624	1.07514	0.101	0.17	1	MS.Trt_vs_MS.NoTrt_F
PDLIM7	0.03642	-0.5297	0.068	0.13	1	MS.Trt_vs_MS.NoTrt_F
ZNF707	0.03647	0.4003	0.727	0.79	1	MS.Trt_vs_MS.NoTrt_F
GFM2	0.03693	-0.9729	0.259	0.34	1	MS.Trt_vs_MS.NoTrt_F
ALG11	0.03693	0.49009	0.813	0.89	1	MS.Trt_vs_MS.NoTrt_F
C3orf18	0.03694	0.41615	0.266	0.35	1	MS.Trt_vs_MS.NoTrt_F
UNC50	0.03698	0.65617	0.126	0.2	1	MS.Trt_vs_MS.NoTrt_F
SLC25A34	0.03701	0.77205	0.554	0.67	1	MS.Trt_vs_MS.NoTrt_F
CRYBG3	0.03705	0.80614	0.097	0.17	1	MS.Trt_vs_MS.NoTrt_F
TSPAN4	0.03706	-0.7413	0.058	0.11	1	MS.Trt_vs_MS.NoTrt_F
APOBEC2	0.03709	0.74081	0.076	0.14	1	MS.Trt_vs_MS.NoTrt_F
IER2	0.0371	0.33424	0.381	0.55	1	MS.Trt_vs_MS.NoTrt_F
ZNF211	0.03715	0.95552	0.205	0.3	1	MS.Trt_vs_MS.NoTrt_F
NLGN3	0.03731	0.4304	0.086	0.15	1	MS.Trt_vs_MS.NoTrt_F
SNRNP48	0.03734	-0.9475	0.223	0.3	1	MS.Trt_vs_MS.NoTrt_F
SRPK2	0.03745	0.29225	0.317	0.44	1	MS.Trt_vs_MS.NoTrt_F
CCT3	0.03746	-0.313	0.547	0.63	1	MS.Trt_vs_MS.NoTrt_F
SLC25A29	0.03746	-0.4576	0.353	0.45	1	MS.Trt_vs_MS.NoTrt_F
DUS3L	0.03758	0.90486	0.151	0.24	1	MS.Trt_vs_MS.NoTrt_F
NDUFS4	0.0376	0.88385	0.302	0.4	1	MS.Trt_vs_MS.NoTrt_F
FAM83G	0.03769	0.44003	0.41	0.52	1	MS.Trt_vs_MS.NoTrt_F
BLVRB	0.0377	0.55709	0.414	0.31	1	MS.Trt_vs_MS.NoTrt_F
GOLPH3L	0.03774	-0.3762	0.201	0.28	1	MS.Trt_vs_MS.NoTrt_F
NR3C1	0.03779	0.35921	0.209	0.3	1	MS.Trt_vs_MS.NoTrt_F
CD320	0.03788	0.69702	0.662	0.8	1	MS.Trt_vs_MS.NoTrt_F
BCO2	0.03789	-0.3109	0.511	0.58	1	MS.Trt_vs_MS.NoTrt_F
KDELRL1	0.03791	-0.2963	0.252	0.35	1	MS.Trt_vs_MS.NoTrt_F
MTA2	0.03796	-1.1555	0.302	0.43	1	MS.Trt_vs_MS.NoTrt_F
GSDMB	0.03801	0.4995	0.899	0.91	1	MS.Trt_vs_MS.NoTrt_F
TSEN15	0.03803	0.55705	0.209	0.31	1	MS.Trt_vs_MS.NoTrt_F
HLA-DRA	0.03804	0.3091	0.173	0.26	1	MS.Trt_vs_MS.NoTrt_F
ALS2CL	0.03823	0.2676	0.151	0.23	1	MS.Trt_vs_MS.NoTrt_F
GPX7	0.03832	0.50358	0.09	0.16	1	MS.Trt_vs_MS.NoTrt_F
MAPKBP1	0.03833	0.42168	0.414	0.51	1	MS.Trt_vs_MS.NoTrt_F
KLHL12	0.03839	0.45787	0.108	0.18	1	MS.Trt_vs_MS.NoTrt_F
HABP4	0.03844	0.97784	0.165	0.24	1	MS.Trt_vs_MS.NoTrt_F
ZNF492	0.0385	0.3262	0.622	0.5	1	MS.Trt_vs_MS.NoTrt_F

ZNF571	0.03856	-0.5229	0.41	0.54	1 MS.Trt_vs_MS.NoTrt_F
NPHS1	0.03858	0.28464	0.464	0.4	1 MS.Trt_vs_MS.NoTrt_F
PNN	0.03878	0.54307	0.252	0.37	1 MS.Trt_vs_MS.NoTrt_F
ANKEF1	0.03884	-0.3568	0.201	0.29	1 MS.Trt_vs_MS.NoTrt_F
PPIL4	0.03886	0.41947	0.234	0.34	1 MS.Trt_vs_MS.NoTrt_F
PRDX5	0.03887	0.52686	0.245	0.36	1 MS.Trt_vs_MS.NoTrt_F
FAM219B	0.03893	0.85655	0.421	0.53	1 MS.Trt_vs_MS.NoTrt_F
C11orf71	0.03895	0.96532	0.094	0.16	1 MS.Trt_vs_MS.NoTrt_F
RNPEPL1	0.03898	0.91171	0.162	0.26	1 MS.Trt_vs_MS.NoTrt_F
TGDS	0.03904	0.42645	0.119	0.19	1 MS.Trt_vs_MS.NoTrt_F
CCDC153	0.0391	1.28956	0.245	0.35	1 MS.Trt_vs_MS.NoTrt_F
TMEM5	0.03915	1.25046	0.496	0.6	1 MS.Trt_vs_MS.NoTrt_F
LYRM7	0.03917	0.48909	0.917	0.9	1 MS.Trt_vs_MS.NoTrt_F
NRP1	0.03917	0.90424	0.302	0.41	1 MS.Trt_vs_MS.NoTrt_F
PILRB	0.03926	0.43597	0.45	0.54	1 MS.Trt_vs_MS.NoTrt_F
OSGEP	0.03931	-0.4145	0.576	0.68	1 MS.Trt_vs_MS.NoTrt_F
SF3B6	0.03939	0.49217	0.198	0.3	1 MS.Trt_vs_MS.NoTrt_F
RBAK	0.03957	-1.6884	0.054	0.11	1 MS.Trt_vs_MS.NoTrt_F
ZSCAN16	0.03977	0.48592	0.065	0.12	1 MS.Trt_vs_MS.NoTrt_F
SMAD9	0.03985	0.70698	0.331	0.44	1 MS.Trt_vs_MS.NoTrt_F
UBXN8	0.03991	0.73263	0.198	0.28	1 MS.Trt_vs_MS.NoTrt_F
IFITM2	0.03997	0.65777	0.849	0.81	1 MS.Trt_vs_MS.NoTrt_F
TFB2M	0.03998	1.30173	0.079	0.14	1 MS.Trt_vs_MS.NoTrt_F
ZMYM1	0.04001	0.4567	0.547	0.66	1 MS.Trt_vs_MS.NoTrt_F
CCZ1	0.04001	-0.8721	0.673	0.77	1 MS.Trt_vs_MS.NoTrt_F
ISOC2	0.04002	0.40783	0.068	0.13	1 MS.Trt_vs_MS.NoTrt_F
AC013461.1	0.04004	0.57891	0.831	0.77	1 MS.Trt_vs_MS.NoTrt_F
RP11-234B2	0.04005	-0.3008	0.058	0.11	1 MS.Trt_vs_MS.NoTrt_F
STX6	0.04005	0.26704	0.367	0.46	1 MS.Trt_vs_MS.NoTrt_F
LRRC56	0.04006	-0.5007	0.525	0.38	1 MS.Trt_vs_MS.NoTrt_F
CBWD7	0.04012	0.34975	0.478	0.59	1 MS.Trt_vs_MS.NoTrt_F
ARMC1	0.0402	0.53727	0.144	0.22	1 MS.Trt_vs_MS.NoTrt_F
LUC7L3	0.04023	0.29108	0.529	0.7	1 MS.Trt_vs_MS.NoTrt_F
ISG20	0.04023	0.26527	0.612	0.67	1 MS.Trt_vs_MS.NoTrt_F
ANAPC15	0.04024	0.35572	0.763	0.85	1 MS.Trt_vs_MS.NoTrt_F
TICAM1	0.04028	-0.479	0.09	0.16	1 MS.Trt_vs_MS.NoTrt_F
TMEM167B	0.04042	-0.6065	0.773	0.82	1 MS.Trt_vs_MS.NoTrt_F
RPS21	0.04048	0.48408	0.435	0.64	1 MS.Trt_vs_MS.NoTrt_F
ZNF790	0.04049	-0.2572	0.468	0.6	1 MS.Trt_vs_MS.NoTrt_F
PLEKHA4	0.04049	-0.3193	0.086	0.15	1 MS.Trt_vs_MS.NoTrt_F

SPCS1	0.04049	0.28489	0.903	0.93	1	MS.Trt_vs_MS.NoTrt_F
EMP1	0.0405	0.61423	0.162	0.25	1	MS.Trt_vs_MS.NoTrt_F
C12orf29	0.04052	0.42902	0.223	0.32	1	MS.Trt_vs_MS.NoTrt_F
STON1	0.04054	-0.9005	0.335	0.43	1	MS.Trt_vs_MS.NoTrt_F
TOP3B	0.04055	0.32618	0.151	0.24	1	MS.Trt_vs_MS.NoTrt_F
MTBP	0.0406	-0.6714	0.55	0.64	1	MS.Trt_vs_MS.NoTrt_F
BNIP1	0.04069	1.46392	0.104	0.18	1	MS.Trt_vs_MS.NoTrt_F
RAB15	0.04083	0.83489	0.058	0.11	1	MS.Trt_vs_MS.NoTrt_F
KIF1B	0.04096	-0.7892	0.741	0.84	1	MS.Trt_vs_MS.NoTrt_F
TMEM38A	0.04097	0.2659	0.601	0.49	1	MS.Trt_vs_MS.NoTrt_F
POP1	0.04099	-0.2539	0.061	0.12	1	MS.Trt_vs_MS.NoTrt_F
CUL4B	0.041	0.67259	0.129	0.2	1	MS.Trt_vs_MS.NoTrt_F
PRH1	0.04104	0.37467	0.115	0.19	1	MS.Trt_vs_MS.NoTrt_F
CDK5	0.04115	0.35698	0.065	0.12	1	MS.Trt_vs_MS.NoTrt_F
DHX30	0.04116	-0.5023	0.633	0.69	1	MS.Trt_vs_MS.NoTrt_F
TMEM209	0.04131	0.40345	0.752	0.81	1	MS.Trt_vs_MS.NoTrt_F
ALKBH8	0.0414	-0.5444	0.054	0.11	1	MS.Trt_vs_MS.NoTrt_F
SLC38A9	0.04153	0.95459	0.331	0.45	1	MS.Trt_vs_MS.NoTrt_F
MINPP1	0.04162	-0.9367	0.097	0.16	1	MS.Trt_vs_MS.NoTrt_F
PPME1	0.04165	0.32097	0.144	0.22	1	MS.Trt_vs_MS.NoTrt_F
CBX4	0.04167	-0.3944	0.083	0.14	1	MS.Trt_vs_MS.NoTrt_F
ZBTB38	0.04167	-0.2529	0.59	0.7	1	MS.Trt_vs_MS.NoTrt_F
BMP8A	0.04174	-0.5354	0.601	0.71	1	MS.Trt_vs_MS.NoTrt_F
FRMD5	0.04175	0.33243	0.061	0.12	1	MS.Trt_vs_MS.NoTrt_F
MMD	0.04177	0.32005	0.09	0.16	1	MS.Trt_vs_MS.NoTrt_F
ADCK5	0.04182	0.64161	0.086	0.15	1	MS.Trt_vs_MS.NoTrt_F
HAGH	0.04186	-0.3739	0.741	0.79	1	MS.Trt_vs_MS.NoTrt_F
MTHFSD	0.04204	-0.509	0.09	0.16	1	MS.Trt_vs_MS.NoTrt_F
BUB1	0.04206	-0.5656	0.054	0.11	1	MS.Trt_vs_MS.NoTrt_F
SLC39A9	0.04215	-0.31	0.191	0.28	1	MS.Trt_vs_MS.NoTrt_F
ZUFSP	0.0422	0.65165	0.09	0.16	1	MS.Trt_vs_MS.NoTrt_F
BNIP3L	0.0422	0.4672	0.187	0.28	1	MS.Trt_vs_MS.NoTrt_F
MAP7D1	0.04227	-0.3843	0.46	0.58	1	MS.Trt_vs_MS.NoTrt_F
SEC22A	0.04234	0.30966	0.637	0.74	1	MS.Trt_vs_MS.NoTrt_F
GABRP	0.04237	0.36773	0.259	0.38	1	MS.Trt_vs_MS.NoTrt_F
CKS2	0.0424	-0.3493	0.076	0.13	1	MS.Trt_vs_MS.NoTrt_F
COMT	0.0424	0.32205	0.381	0.5	1	MS.Trt_vs_MS.NoTrt_F
SCO1	0.04245	-0.2638	0.788	0.85	1	MS.Trt_vs_MS.NoTrt_F
RASSF3	0.04245	0.32641	0.583	0.78	1	MS.Trt_vs_MS.NoTrt_F
ZNF550	0.04246	0.42551	0.288	0.38	1	MS.Trt_vs_MS.NoTrt_F



SMG8	0.04249	0.34695	0.133	0.21	1	MS.Trt_vs_MS.NoTrt_F
SYTL2	0.04254	0.43495	0.737	0.74	1	MS.Trt_vs_MS.NoTrt_F
TYK2	0.04262	0.51479	0.626	0.74	1	MS.Trt_vs_MS.NoTrt_F
TSPAN5	0.04262	-0.6312	0.615	0.67	1	MS.Trt_vs_MS.NoTrt_F
EIF5B	0.04267	0.46129	0.291	0.41	1	MS.Trt_vs_MS.NoTrt_F
GSTP1	0.04271	-0.6481	0.076	0.13	1	MS.Trt_vs_MS.NoTrt_F
DUS4L	0.04272	0.51148	0.122	0.2	1	MS.Trt_vs_MS.NoTrt_F
SELM	0.04281	0.39676	0.281	0.38	1	MS.Trt_vs_MS.NoTrt_F
ABCC4	0.04284	0.51773	0.784	0.81	1	MS.Trt_vs_MS.NoTrt_F
SLC25A23	0.04289	0.26402	0.486	0.6	1	MS.Trt_vs_MS.NoTrt_F
KLHDC3	0.04295	0.6371	0.169	0.26	1	MS.Trt_vs_MS.NoTrt_F
ZNF84	0.04296	0.84485	0.248	0.34	1	MS.Trt_vs_MS.NoTrt_F
CEP57L1	0.04298	-0.4615	0.529	0.61	1	MS.Trt_vs_MS.NoTrt_F
GSTM3	0.04306	0.30943	0.471	0.6	1	MS.Trt_vs_MS.NoTrt_F
LARP1B	0.04306	0.41259	0.101	0.17	1	MS.Trt_vs_MS.NoTrt_F
EIF3I	0.04308	-0.2912	0.536	0.6	1	MS.Trt_vs_MS.NoTrt_F
IL18BP	0.04321	0.75806	0.126	0.2	1	MS.Trt_vs_MS.NoTrt_F
NFKB2	0.04334	-1.5537	0.403	0.49	1	MS.Trt_vs_MS.NoTrt_F
GPD2	0.04338	0.95298	0.086	0.15	1	MS.Trt_vs_MS.NoTrt_F
MBTD1	0.04346	0.5941	0.421	0.53	1	MS.Trt_vs_MS.NoTrt_F
RABGGTB	0.04351	-0.5338	0.277	0.38	1	MS.Trt_vs_MS.NoTrt_F
LONP2	0.04355	0.33778	0.73	0.85	1	MS.Trt_vs_MS.NoTrt_F
GARS	0.04368	0.74657	0.187	0.29	1	MS.Trt_vs_MS.NoTrt_F
PKNOX1	0.04372	-0.3891	0.705	0.8	1	MS.Trt_vs_MS.NoTrt_F
CLHC1	0.04376	-0.4073	0.478	0.59	1	MS.Trt_vs_MS.NoTrt_F
SLC2A1	0.04378	0.59118	0.133	0.21	1	MS.Trt_vs_MS.NoTrt_F
C5orf22	0.04381	0.45762	0.288	0.39	1	MS.Trt_vs_MS.NoTrt_F
SETDB2	0.04387	0.28409	0.849	0.92	1	MS.Trt_vs_MS.NoTrt_F
PPP1R3E	0.0439	-1.01	0.248	0.33	1	MS.Trt_vs_MS.NoTrt_F
LMBR1L	0.04398	-0.4284	0.705	0.82	1	MS.Trt_vs_MS.NoTrt_F
FAM222B	0.04407	0.74552	0.169	0.26	1	MS.Trt_vs_MS.NoTrt_F
TAF11	0.04447	0.28826	0.453	0.58	1	MS.Trt_vs_MS.NoTrt_F
TTPAL	0.0445	-0.2875	0.813	0.86	1	MS.Trt_vs_MS.NoTrt_F
ERF	0.04463	0.60372	0.104	0.18	1	MS.Trt_vs_MS.NoTrt_F
PIK3CG	0.04464	0.92047	0.295	0.41	1	MS.Trt_vs_MS.NoTrt_F
PDK2	0.04466	0.32054	0.281	0.39	1	MS.Trt_vs_MS.NoTrt_F
RP11-458D2	0.04471	-0.3325	0.126	0.2	1	MS.Trt_vs_MS.NoTrt_F
ZNF148	0.04486	0.40708	0.302	0.42	1	MS.Trt_vs_MS.NoTrt_F
FRG1	0.04492	0.45292	0.396	0.48	1	MS.Trt_vs_MS.NoTrt_F
NAA30	0.04508	-1.1416	0.464	0.54	1	MS.Trt_vs_MS.NoTrt_F

SELP	0.04508	0.95137	0.09	0.16	1 MS.Trt_vs_MS.NoTrt_F
DDX47	0.04514	0.33742	0.471	0.56	1 MS.Trt_vs_MS.NoTrt_F
RAB43	0.04526	0.33621	0.219	0.31	1 MS.Trt_vs_MS.NoTrt_F
PGAP3	0.04527	-0.5338	0.126	0.2	1 MS.Trt_vs_MS.NoTrt_F
ZBED6	0.0453	0.47484	0.079	0.14	1 MS.Trt_vs_MS.NoTrt_F
YIPF5	0.04531	-0.9614	0.496	0.55	1 MS.Trt_vs_MS.NoTrt_F
PGAP1	0.04533	0.29606	0.367	0.46	1 MS.Trt_vs_MS.NoTrt_F
HBP1	0.04541	-0.3117	0.799	0.87	1 MS.Trt_vs_MS.NoTrt_F
NUDCD1	0.04541	0.44258	0.083	0.14	1 MS.Trt_vs_MS.NoTrt_F
NDST2	0.04542	0.74198	0.094	0.16	1 MS.Trt_vs_MS.NoTrt_F
WDR45	0.04551	-0.4278	0.579	0.69	1 MS.Trt_vs_MS.NoTrt_F
KRBA2	0.04557	-1.1968	0.363	0.44	1 MS.Trt_vs_MS.NoTrt_F
MAD2L2	0.04557	0.40469	0.137	0.22	1 MS.Trt_vs_MS.NoTrt_F
SHTN1	0.04564	0.35196	0.119	0.19	1 MS.Trt_vs_MS.NoTrt_F
MAST4	0.0458	-0.5892	0.572	0.65	1 MS.Trt_vs_MS.NoTrt_F
USP38	0.04593	-0.3326	0.288	0.39	1 MS.Trt_vs_MS.NoTrt_F
ALPK1	0.0461	0.34547	0.698	0.77	1 MS.Trt_vs_MS.NoTrt_F
PIGU	0.04617	0.76321	0.115	0.19	1 MS.Trt_vs_MS.NoTrt_F
ANKRD49	0.04618	0.63697	0.183	0.27	1 MS.Trt_vs_MS.NoTrt_F
DIP2C	0.04621	-0.45	0.086	0.15	1 MS.Trt_vs_MS.NoTrt_F
PTEN	0.04621	0.72628	0.518	0.66	1 MS.Trt_vs_MS.NoTrt_F
AOAH	0.04621	1.15084	0.363	0.47	1 MS.Trt_vs_MS.NoTrt_F
PSMD11	0.04629	0.29245	0.482	0.59	1 MS.Trt_vs_MS.NoTrt_F
CRELD1	0.04648	0.31226	0.126	0.19	1 MS.Trt_vs_MS.NoTrt_F
ATXN1	0.04652	0.4144	0.309	0.42	1 MS.Trt_vs_MS.NoTrt_F
CDADC1	0.04658	0.27165	0.083	0.14	1 MS.Trt_vs_MS.NoTrt_F
C12orf66	0.04666	-0.6357	0.353	0.44	1 MS.Trt_vs_MS.NoTrt_F
PRKX	0.04672	0.51489	0.54	0.68	1 MS.Trt_vs_MS.NoTrt_F
DNAH17	0.04675	0.32771	0.313	0.4	1 MS.Trt_vs_MS.NoTrt_F
CHST7	0.04686	1.18981	0.09	0.16	1 MS.Trt_vs_MS.NoTrt_F
MUTYH	0.04688	-0.8201	0.507	0.57	1 MS.Trt_vs_MS.NoTrt_F
BMI1	0.0469	1.24854	0.083	0.14	1 MS.Trt_vs_MS.NoTrt_F
AHSA2	0.0469	0.45209	0.237	0.34	1 MS.Trt_vs_MS.NoTrt_F
TNF	0.04699	0.36934	0.151	0.23	1 MS.Trt_vs_MS.NoTrt_F
FAM114A2	0.04705	0.70067	0.108	0.18	1 MS.Trt_vs_MS.NoTrt_F
STK17B	0.04708	0.5719	0.942	0.97	1 MS.Trt_vs_MS.NoTrt_F
MRPS7	0.04713	-0.4342	0.522	0.6	1 MS.Trt_vs_MS.NoTrt_F
SHANK1	0.04715	-0.2743	0.302	0.38	1 MS.Trt_vs_MS.NoTrt_F
SREK1	0.04743	0.43443	0.525	0.62	1 MS.Trt_vs_MS.NoTrt_F
COX6C	0.04746	0.53413	0.486	0.62	1 MS.Trt_vs_MS.NoTrt_F

SFT2D1	0.04751	0.57038	0.414	0.49	1 MS.Trt_vs_MS.NoTrt_F
PRMT5	0.04756	0.94913	0.09	0.16	1 MS.Trt_vs_MS.NoTrt_F
WNT7A	0.04762	0.92782	0.072	0.13	1 MS.Trt_vs_MS.NoTrt_F
XPA	0.0479	0.64606	0.147	0.23	1 MS.Trt_vs_MS.NoTrt_F
STX11	0.04791	0.75097	0.079	0.14	1 MS.Trt_vs_MS.NoTrt_F
POLN	0.04811	-0.4082	0.615	0.72	1 MS.Trt_vs_MS.NoTrt_F
STARD3NL	0.0482	-0.2666	0.673	0.74	1 MS.Trt_vs_MS.NoTrt_F
ABCD2	0.04837	0.54878	0.119	0.19	1 MS.Trt_vs_MS.NoTrt_F
CYBA	0.04837	0.35718	0.299	0.39	1 MS.Trt_vs_MS.NoTrt_F
LIPT1	0.04843	-0.35	0.676	0.78	1 MS.Trt_vs_MS.NoTrt_F
BUB3	0.04851	0.30272	0.662	0.8	1 MS.Trt_vs_MS.NoTrt_F
BAG6	0.04854	0.31518	0.554	0.59	1 MS.Trt_vs_MS.NoTrt_F
ZNF596	0.04861	0.63426	0.45	0.52	1 MS.Trt_vs_MS.NoTrt_F
SNAPC2	0.04865	0.285	0.083	0.14	1 MS.Trt_vs_MS.NoTrt_F
ZBED1	0.04876	-0.8472	0.468	0.55	1 MS.Trt_vs_MS.NoTrt_F
USP9Y	0.04878	-0.9307	0.27	0.35	1 MS.Trt_vs_MS.NoTrt_F
PSMB8	0.04886	0.33797	0.388	0.52	1 MS.Trt_vs_MS.NoTrt_F
ZBTB21	0.04887	0.64254	0.147	0.23	1 MS.Trt_vs_MS.NoTrt_F
MMP24	0.04892	0.70001	0.101	0.17	1 MS.Trt_vs_MS.NoTrt_F
STK35	0.04893	1.50147	0.09	0.16	1 MS.Trt_vs_MS.NoTrt_F
BTBD9	0.04918	0.63245	0.568	0.63	1 MS.Trt_vs_MS.NoTrt_F
PAK1	0.04919	0.61698	0.173	0.26	1 MS.Trt_vs_MS.NoTrt_F
C10orf67	0.04926	0.31834	0.288	0.38	1 MS.Trt_vs_MS.NoTrt_F
CCR3	0.04938	0.61407	0.083	0.14	1 MS.Trt_vs_MS.NoTrt_F
FAM188A	0.04942	1.03622	0.115	0.18	1 MS.Trt_vs_MS.NoTrt_F
UCK1	0.0495	0.79172	0.076	0.13	1 MS.Trt_vs_MS.NoTrt_F
TTC5	0.0495	-0.5282	0.511	0.61	1 MS.Trt_vs_MS.NoTrt_F
TMEM179B	0.0498	0.39221	0.216	0.32	1 MS.Trt_vs_MS.NoTrt_F
RAP2A	0.04987	-0.6743	0.068	0.12	1 MS.Trt_vs_MS.NoTrt_F
KPTN	0.04987	-0.6221	0.198	0.28	1 MS.Trt_vs_MS.NoTrt_F
CNEP1R1	0.04991	0.73512	0.583	0.66	1 MS.Trt_vs_MS.NoTrt_F
GLUD1	0.05005	0.58163	0.248	0.35	1 MS.Trt_vs_MS.NoTrt_F
USF1	0.05008	-0.747	0.18	0.25	1 MS.Trt_vs_MS.NoTrt_F
AP1B1	0.05014	0.54585	0.162	0.25	1 MS.Trt_vs_MS.NoTrt_F
CBX6	0.05017	0.96397	0.601	0.65	1 MS.Trt_vs_MS.NoTrt_F
TSPAN3	0.05018	-0.4721	0.349	0.43	1 MS.Trt_vs_MS.NoTrt_F
RSPH3	0.05021	0.4027	0.799	0.82	1 MS.Trt_vs_MS.NoTrt_F
TMEM234	0.05022	0.66837	0.112	0.18	1 MS.Trt_vs_MS.NoTrt_F
ADPRM	0.05022	0.41598	0.101	0.17	1 MS.Trt_vs_MS.NoTrt_F
USP1	0.05023	1.1491	0.151	0.23	1 MS.Trt_vs_MS.NoTrt_F

INPP1	0.05026	0.58063	0.079	0.14	1	MS.Trt_vs_MS.NoTrt_F
ERMN	0.05031	0.58981	0.23	0.32	1	MS.Trt_vs_MS.NoTrt_F
MRPL49	0.05033	-0.3807	0.45	0.53	1	MS.Trt_vs_MS.NoTrt_F
FAH	0.05036	0.30226	0.122	0.19	1	MS.Trt_vs_MS.NoTrt_F
NEIL2	0.05044	0.9637	0.119	0.19	1	MS.Trt_vs_MS.NoTrt_F
EXOC3	0.05054	-0.2744	0.216	0.3	1	MS.Trt_vs_MS.NoTrt_F
GPAA1	0.05054	0.59382	0.158	0.24	1	MS.Trt_vs_MS.NoTrt_F
ATMIN	0.05058	0.2691	0.27	0.35	1	MS.Trt_vs_MS.NoTrt_F
8-Mar	0.0507	0.48139	0.342	0.46	1	MS.Trt_vs_MS.NoTrt_F
TMEM14C	0.05076	0.61254	0.129	0.2	1	MS.Trt_vs_MS.NoTrt_F
PLPP1	0.05085	0.62705	0.101	0.17	1	MS.Trt_vs_MS.NoTrt_F
SNRNP27	0.05091	0.79286	0.234	0.34	1	MS.Trt_vs_MS.NoTrt_F
SBK1	0.05092	-0.7929	0.169	0.24	1	MS.Trt_vs_MS.NoTrt_F
CD99L2	0.05099	0.70112	0.129	0.2	1	MS.Trt_vs_MS.NoTrt_F
TMEM11	0.05099	0.81888	0.129	0.21	1	MS.Trt_vs_MS.NoTrt_F
CCNG2	0.05106	0.30135	0.338	0.41	1	MS.Trt_vs_MS.NoTrt_F
UPRT	0.05113	0.91065	0.083	0.14	1	MS.Trt_vs_MS.NoTrt_F
RAB6A	0.05115	0.35174	0.36	0.49	1	MS.Trt_vs_MS.NoTrt_F
TRMT6	0.05115	0.92252	0.137	0.22	1	MS.Trt_vs_MS.NoTrt_F
KLHDC1	0.0514	-0.2545	0.309	0.4	1	MS.Trt_vs_MS.NoTrt_F
LMO7	0.05145	-0.389	0.277	0.37	1	MS.Trt_vs_MS.NoTrt_F
UBA5	0.0515	1.0706	0.147	0.23	1	MS.Trt_vs_MS.NoTrt_F
CD63	0.05161	0.30365	0.187	0.27	1	MS.Trt_vs_MS.NoTrt_F
MEMO1	0.05181	0.46477	0.36	0.45	1	MS.Trt_vs_MS.NoTrt_F
LAPTM4A	0.05181	0.33461	0.198	0.28	1	MS.Trt_vs_MS.NoTrt_F
NDC80	0.05199	0.26059	0.662	0.77	1	MS.Trt_vs_MS.NoTrt_F
BBS4	0.05219	-0.6442	0.126	0.19	1	MS.Trt_vs_MS.NoTrt_F
DNAJC5	0.05221	0.88441	0.097	0.16	1	MS.Trt_vs_MS.NoTrt_F
NR2C2	0.05234	0.4535	0.622	0.72	1	MS.Trt_vs_MS.NoTrt_F
ZNF570	0.05236	0.59435	0.791	0.88	1	MS.Trt_vs_MS.NoTrt_F
FBRS	0.05236	0.45511	0.176	0.27	1	MS.Trt_vs_MS.NoTrt_F
ADTRP	0.05238	-0.4821	0.342	0.43	1	MS.Trt_vs_MS.NoTrt_F
BLM	0.05239	0.30841	0.27	0.36	1	MS.Trt_vs_MS.NoTrt_F
ATP6AP1L	0.05241	-0.4384	0.453	0.55	1	MS.Trt_vs_MS.NoTrt_F
FN3KRP	0.05244	0.86047	0.112	0.18	1	MS.Trt_vs_MS.NoTrt_F
CRTC1	0.05248	0.38135	0.245	0.35	1	MS.Trt_vs_MS.NoTrt_F
SLC10A3	0.0525	0.88479	0.097	0.16	1	MS.Trt_vs_MS.NoTrt_F
TP53INP1	0.05252	0.43396	0.353	0.48	1	MS.Trt_vs_MS.NoTrt_F
TOMM5	0.05257	0.51109	0.219	0.32	1	MS.Trt_vs_MS.NoTrt_F
CAD	0.0526	0.77157	0.734	0.7	1	MS.Trt_vs_MS.NoTrt_F

PIGH	0.0527	0.77557	0.561	0.68	1 MS.Trt_vs_MS.NoTrt_F
PPT1	0.05285	0.50861	0.234	0.34	1 MS.Trt_vs_MS.NoTrt_F
DSTYK	0.053	0.5569	0.799	0.9	1 MS.Trt_vs_MS.NoTrt_F
ZNF473	0.05302	1.34771	0.079	0.14	1 MS.Trt_vs_MS.NoTrt_F
PLEKHA1	0.05303	-0.3196	0.896	0.95	1 MS.Trt_vs_MS.NoTrt_F
ORAI1	0.05304	0.60982	0.097	0.16	1 MS.Trt_vs_MS.NoTrt_F
ACBD3	0.05305	-0.3994	0.072	0.13	1 MS.Trt_vs_MS.NoTrt_F
SMAD4	0.05307	-0.3717	0.442	0.53	1 MS.Trt_vs_MS.NoTrt_F
GNLY	0.0532	2.38036	0.252	0.34	1 MS.Trt_vs_MS.NoTrt_F
RHOT2	0.05333	0.31413	0.281	0.4	1 MS.Trt_vs_MS.NoTrt_F
PSMD1	0.0535	0.49217	0.209	0.31	1 MS.Trt_vs_MS.NoTrt_F
ZNF277	0.05351	0.45009	0.504	0.61	1 MS.Trt_vs_MS.NoTrt_F
ZNF75D	0.05355	0.64176	0.09	0.15	1 MS.Trt_vs_MS.NoTrt_F
SLC5A5	0.05355	-0.8786	0.432	0.5	1 MS.Trt_vs_MS.NoTrt_F
C9orf142	0.05366	0.2615	0.263	0.38	1 MS.Trt_vs_MS.NoTrt_F
ZNF816	0.0537	0.88635	0.428	0.52	1 MS.Trt_vs_MS.NoTrt_F
NRROS	0.05372	0.26402	0.126	0.19	1 MS.Trt_vs_MS.NoTrt_F
ACAT1	0.05377	0.41948	0.604	0.72	1 MS.Trt_vs_MS.NoTrt_F
COL4A3BP	0.05378	0.62018	0.155	0.24	1 MS.Trt_vs_MS.NoTrt_F
FUBP1	0.05384	0.61915	0.41	0.54	1 MS.Trt_vs_MS.NoTrt_F
ZNF721	0.05393	0.348	0.371	0.46	1 MS.Trt_vs_MS.NoTrt_F
ZNF100	0.05397	0.62906	0.838	0.83	1 MS.Trt_vs_MS.NoTrt_F
ARHGAP19-!	0.05402	-0.3556	0.065	0.12	1 MS.Trt_vs_MS.NoTrt_F
RORC	0.05411	1.03833	0.122	0.19	1 MS.Trt_vs_MS.NoTrt_F
ZNF880	0.05416	0.97446	0.5	0.56	1 MS.Trt_vs_MS.NoTrt_F
C14orf169	0.05421	0.40236	0.108	0.18	1 MS.Trt_vs_MS.NoTrt_F
NDUFV1	0.05424	0.32545	0.277	0.4	1 MS.Trt_vs_MS.NoTrt_F
AHSA1	0.05425	-0.4432	0.547	0.61	1 MS.Trt_vs_MS.NoTrt_F
SHQ1	0.05425	-0.4769	0.68	0.76	1 MS.Trt_vs_MS.NoTrt_F
ZBED2	0.05427	-0.2503	0.068	0.12	1 MS.Trt_vs_MS.NoTrt_F
PLK1	0.05427	0.36466	0.457	0.53	1 MS.Trt_vs_MS.NoTrt_F
ADGRL1	0.05437	0.90588	0.076	0.13	1 MS.Trt_vs_MS.NoTrt_F
ARSD	0.05447	0.51186	0.77	0.83	1 MS.Trt_vs_MS.NoTrt_F
GBE1	0.05449	0.83723	0.076	0.13	1 MS.Trt_vs_MS.NoTrt_F
MALT1	0.05453	0.70197	0.129	0.2	1 MS.Trt_vs_MS.NoTrt_F
FAM110C	0.05459	0.40625	0.259	0.35	1 MS.Trt_vs_MS.NoTrt_F
ZNRF2	0.05481	0.68774	0.083	0.14	1 MS.Trt_vs_MS.NoTrt_F
TM9SF1	0.0549	1.04957	0.255	0.34	1 MS.Trt_vs_MS.NoTrt_F
AKAP10	0.05506	0.30449	0.471	0.57	1 MS.Trt_vs_MS.NoTrt_F
PDIA4	0.05516	0.92366	0.097	0.16	1 MS.Trt_vs_MS.NoTrt_F

MED23	0.05516	0.27927	0.212	0.3	1	MS.Trt_vs_MS.NoTrt_F
TREML2	0.0552	1.50611	0.129	0.2	1	MS.Trt_vs_MS.NoTrt_F
UPF1	0.05526	0.37736	0.137	0.21	1	MS.Trt_vs_MS.NoTrt_F
BABAM1	0.05528	0.498	0.619	0.7	1	MS.Trt_vs_MS.NoTrt_F
SIPA1	0.05529	0.57779	0.532	0.68	1	MS.Trt_vs_MS.NoTrt_F
IL17RD	0.05538	0.71937	0.586	0.7	1	MS.Trt_vs_MS.NoTrt_F
PAK3	0.05548	-0.6551	0.421	0.55	1	MS.Trt_vs_MS.NoTrt_F
APAF1	0.0555	-0.3169	0.597	0.68	1	MS.Trt_vs_MS.NoTrt_F
BROX	0.05554	0.65167	0.644	0.71	1	MS.Trt_vs_MS.NoTrt_F
AAR2	0.05557	0.86525	0.23	0.32	1	MS.Trt_vs_MS.NoTrt_F
GORASP1	0.05569	-0.5522	0.101	0.16	1	MS.Trt_vs_MS.NoTrt_F
HSF1	0.05569	-0.3787	0.424	0.51	1	MS.Trt_vs_MS.NoTrt_F
GIPC1	0.05583	0.4061	0.457	0.59	1	MS.Trt_vs_MS.NoTrt_F
MEGF11	0.05584	-1.0298	0.065	0.12	1	MS.Trt_vs_MS.NoTrt_F
SEC61A2	0.05585	1.05113	0.108	0.18	1	MS.Trt_vs_MS.NoTrt_F
DNAH9	0.05597	0.52062	0.565	0.49	1	MS.Trt_vs_MS.NoTrt_F
SLC4A7	0.05603	0.2885	0.342	0.44	1	MS.Trt_vs_MS.NoTrt_F
ALG3	0.05606	1.12992	0.173	0.27	1	MS.Trt_vs_MS.NoTrt_F
LNPB	0.0561	0.25005	0.547	0.62	1	MS.Trt_vs_MS.NoTrt_F
FAM50A	0.05625	0.60022	0.147	0.22	1	MS.Trt_vs_MS.NoTrt_F
NATD1	0.05628	0.3752	0.432	0.54	1	MS.Trt_vs_MS.NoTrt_F
NCKIPSD	0.05637	-1.801	0.058	0.11	1	MS.Trt_vs_MS.NoTrt_F
ANXA1	0.05639	-0.3534	0.266	0.36	1	MS.Trt_vs_MS.NoTrt_F
CAMKMT	0.05642	0.7398	0.306	0.4	1	MS.Trt_vs_MS.NoTrt_F
KLHL3	0.0565	0.34025	0.209	0.29	1	MS.Trt_vs_MS.NoTrt_F
VDAC1	0.05683	-0.3146	0.676	0.84	1	MS.Trt_vs_MS.NoTrt_F
NBPF11	0.0569	0.6444	0.288	0.4	1	MS.Trt_vs_MS.NoTrt_F
ITGA3	0.05691	-0.3812	0.719	0.81	1	MS.Trt_vs_MS.NoTrt_F
POLG2	0.05697	-0.346	0.493	0.56	1	MS.Trt_vs_MS.NoTrt_F
SORD	0.05699	0.46418	0.18	0.25	1	MS.Trt_vs_MS.NoTrt_F
DDX51	0.05703	0.63573	0.683	0.66	1	MS.Trt_vs_MS.NoTrt_F
NEO1	0.05707	0.75345	0.241	0.36	1	MS.Trt_vs_MS.NoTrt_F
EIF1AY	0.05711	-0.8168	0.615	0.67	1	MS.Trt_vs_MS.NoTrt_F
TMEM187	0.05737	0.88169	0.068	0.12	1	MS.Trt_vs_MS.NoTrt_F
ULBP3	0.05751	0.77485	0.543	0.6	1	MS.Trt_vs_MS.NoTrt_F
USP42	0.05758	-0.4099	0.435	0.51	1	MS.Trt_vs_MS.NoTrt_F
SLC9A7	0.0576	0.57549	0.957	0.92	1	MS.Trt_vs_MS.NoTrt_F
NUDT7	0.05786	0.61109	0.212	0.29	1	MS.Trt_vs_MS.NoTrt_F
FAM104B	0.05795	0.58552	0.086	0.14	1	MS.Trt_vs_MS.NoTrt_F
MPDU1	0.05797	-0.3702	0.791	0.89	1	MS.Trt_vs_MS.NoTrt_F

AMDHD1	0.05799	0.50162	0.191	0.28	1	MS.Trt_vs_MS.NoTrt_F
GIPR	0.058	0.51121	0.651	0.71	1	MS.Trt_vs_MS.NoTrt_F
OSTF1	0.05804	0.43346	0.291	0.39	1	MS.Trt_vs_MS.NoTrt_F
RP11-544M	0.05809	0.52248	0.227	0.31	1	MS.Trt_vs_MS.NoTrt_F
GAA	0.05819	0.33703	0.094	0.16	1	MS.Trt_vs_MS.NoTrt_F
RABIF	0.05841	0.46237	0.356	0.45	1	MS.Trt_vs_MS.NoTrt_F
PAFAH1B2	0.05843	0.42999	0.82	0.95	1	MS.Trt_vs_MS.NoTrt_F
C10orf95	0.05848	0.55388	0.169	0.25	1	MS.Trt_vs_MS.NoTrt_F
KDM7A	0.05859	-0.3447	0.263	0.35	1	MS.Trt_vs_MS.NoTrt_F
FAM91A1	0.0586	-0.983	0.338	0.45	1	MS.Trt_vs_MS.NoTrt_F
RPS6KA3	0.05866	-0.4091	0.471	0.6	1	MS.Trt_vs_MS.NoTrt_F
CALR	0.0587	-0.3272	0.806	0.86	1	MS.Trt_vs_MS.NoTrt_F
DROSHA	0.05875	0.4887	0.324	0.43	1	MS.Trt_vs_MS.NoTrt_F
OSBPL3	0.05902	0.25506	0.45	0.57	1	MS.Trt_vs_MS.NoTrt_F
CTCF	0.05913	0.79305	0.151	0.23	1	MS.Trt_vs_MS.NoTrt_F
MST1	0.05914	-1.0698	0.058	0.11	1	MS.Trt_vs_MS.NoTrt_F
CCR7	0.05925	0.33999	0.421	0.57	1	MS.Trt_vs_MS.NoTrt_F
DEPDC7	0.05927	0.3956	0.079	0.13	1	MS.Trt_vs_MS.NoTrt_F
RGL4	0.05934	0.38019	0.255	0.36	1	MS.Trt_vs_MS.NoTrt_F
ZNF551	0.05941	0.70559	0.489	0.56	1	MS.Trt_vs_MS.NoTrt_F
ZCCHC4	0.05943	-0.3786	0.615	0.7	1	MS.Trt_vs_MS.NoTrt_F
ZNF830	0.05944	0.5635	0.108	0.17	1	MS.Trt_vs_MS.NoTrt_F
URB2	0.05946	-1.1254	0.058	0.11	1	MS.Trt_vs_MS.NoTrt_F
NAGPA	0.0595	-0.3257	0.669	0.71	1	MS.Trt_vs_MS.NoTrt_F
GPCPD1	0.05951	0.30654	0.356	0.48	1	MS.Trt_vs_MS.NoTrt_F
C1orf216	0.05956	0.78181	0.73	0.84	1	MS.Trt_vs_MS.NoTrt_F
LCAT	0.05965	0.4365	0.205	0.3	1	MS.Trt_vs_MS.NoTrt_F
GIMAP5	0.05966	0.37121	0.338	0.45	1	MS.Trt_vs_MS.NoTrt_F
SARNP	0.05989	0.28173	0.579	0.65	1	MS.Trt_vs_MS.NoTrt_F
PHB2	0.05991	0.40006	0.176	0.26	1	MS.Trt_vs_MS.NoTrt_F
SLC25A30	0.05997	-0.3259	0.644	0.72	1	MS.Trt_vs_MS.NoTrt_F
SLC8A1	0.06	0.60923	0.378	0.29	1	MS.Trt_vs_MS.NoTrt_F
RAB11FIP2	0.06002	-0.695	0.086	0.14	1	MS.Trt_vs_MS.NoTrt_F
ERCC6	0.06002	-0.4679	0.266	0.34	1	MS.Trt_vs_MS.NoTrt_F
CEP97	0.06007	0.53368	0.64	0.78	1	MS.Trt_vs_MS.NoTrt_F
SNIP1	0.06008	0.52786	0.619	0.74	1	MS.Trt_vs_MS.NoTrt_F
MINA	0.06024	0.61541	0.126	0.2	1	MS.Trt_vs_MS.NoTrt_F
AP1S2	0.06031	0.78192	0.201	0.3	1	MS.Trt_vs_MS.NoTrt_F
NDRG2	0.06045	-0.2671	0.835	0.88	1	MS.Trt_vs_MS.NoTrt_F
CREB3	0.0606	0.46928	0.108	0.18	1	MS.Trt_vs_MS.NoTrt_F

RHOBTB3	0.06061	-0.2593	0.572	0.69	1	MS.Trt_vs_MS.NoTrt_F
STOM	0.06072	0.8176	0.655	0.64	1	MS.Trt_vs_MS.NoTrt_F
DHRS1	0.06076	-0.365	0.608	0.66	1	MS.Trt_vs_MS.NoTrt_F
UBE3B	0.06089	-0.5309	0.331	0.4	1	MS.Trt_vs_MS.NoTrt_F
USE1	0.06093	0.69105	0.917	0.86	1	MS.Trt_vs_MS.NoTrt_F
ARPC4	0.06102	0.62003	0.683	0.71	1	MS.Trt_vs_MS.NoTrt_F
APLF	0.06105	0.67849	0.176	0.25	1	MS.Trt_vs_MS.NoTrt_F
MBIP	0.06106	0.95542	0.097	0.16	1	MS.Trt_vs_MS.NoTrt_F
ACOT7	0.06109	0.45814	0.058	0.11	1	MS.Trt_vs_MS.NoTrt_F
TNS2	0.06116	0.26278	0.342	0.41	1	MS.Trt_vs_MS.NoTrt_F
TOPORS-AS1	0.06116	0.89966	0.115	0.18	1	MS.Trt_vs_MS.NoTrt_F
CTD-2021K4	0.06126	0.28425	0.115	0.18	1	MS.Trt_vs_MS.NoTrt_F
GATAD2B	0.0615	0.32097	0.514	0.65	1	MS.Trt_vs_MS.NoTrt_F
C1QTNF6	0.06152	0.30066	0.547	0.67	1	MS.Trt_vs_MS.NoTrt_F
ACADL	0.06165	-0.3153	0.288	0.37	1	MS.Trt_vs_MS.NoTrt_F
ATRN	0.06165	0.43168	0.119	0.19	1	MS.Trt_vs_MS.NoTrt_F
MAP3K12	0.06203	0.6392	0.701	0.79	1	MS.Trt_vs_MS.NoTrt_F
ZNF43	0.06212	1.08604	0.773	0.79	1	MS.Trt_vs_MS.NoTrt_F
ANKRD26	0.06227	1.3373	0.144	0.22	1	MS.Trt_vs_MS.NoTrt_F
AARSD1	0.0623	-0.4026	0.676	0.77	1	MS.Trt_vs_MS.NoTrt_F
RPS7	0.06234	-0.3574	0.514	0.59	1	MS.Trt_vs_MS.NoTrt_F
CTBS	0.06241	0.57654	0.147	0.22	1	MS.Trt_vs_MS.NoTrt_F
TFDP1	0.06241	-0.4064	0.061	0.11	1	MS.Trt_vs_MS.NoTrt_F
ADAT2	0.06248	0.51086	0.381	0.45	1	MS.Trt_vs_MS.NoTrt_F
PLIN3	0.06265	-0.3888	0.54	0.6	1	MS.Trt_vs_MS.NoTrt_F
CAAP1	0.06269	0.41594	0.158	0.23	1	MS.Trt_vs_MS.NoTrt_F
LRG1	0.06272	0.40345	0.813	0.76	1	MS.Trt_vs_MS.NoTrt_F
EEF1E1	0.06286	0.29499	0.475	0.56	1	MS.Trt_vs_MS.NoTrt_F
RELB	0.06295	0.42183	0.126	0.19	1	MS.Trt_vs_MS.NoTrt_F
TBRG1	0.06296	0.26155	0.651	0.74	1	MS.Trt_vs_MS.NoTrt_F
USP32	0.063	1.80856	0.277	0.37	1	MS.Trt_vs_MS.NoTrt_F
HSD17B1	0.06336	-0.4525	0.766	0.82	1	MS.Trt_vs_MS.NoTrt_F
ESCO1	0.06337	0.69724	0.378	0.51	1	MS.Trt_vs_MS.NoTrt_F
ZEB2	0.06343	2.39712	0.694	0.61	1	MS.Trt_vs_MS.NoTrt_F
ITGB1BP1	0.06355	0.72392	0.219	0.31	1	MS.Trt_vs_MS.NoTrt_F
PALLD	0.06376	0.25259	0.317	0.41	1	MS.Trt_vs_MS.NoTrt_F
SPACA6	0.064	0.36857	0.881	0.91	1	MS.Trt_vs_MS.NoTrt_F
RRM2B	0.06401	-0.9429	0.165	0.24	1	MS.Trt_vs_MS.NoTrt_F
CCNK	0.06407	0.48904	0.259	0.35	1	MS.Trt_vs_MS.NoTrt_F
CXorf23	0.06408	-0.3236	0.698	0.79	1	MS.Trt_vs_MS.NoTrt_F



ZSCAN12	0.06409	0.91056	0.493	0.4	1 MS.Trt_vs_MS.NoTrt_F
AARS	0.06422	-0.5044	0.403	0.5	1 MS.Trt_vs_MS.NoTrt_F
TRNT1	0.06434	-0.3629	0.281	0.36	1 MS.Trt_vs_MS.NoTrt_F
FITM2	0.0644	-0.4432	0.673	0.75	1 MS.Trt_vs_MS.NoTrt_F
SLAIN2	0.06445	0.31384	0.212	0.3	1 MS.Trt_vs_MS.NoTrt_F
MIIP	0.06446	0.5064	0.187	0.28	1 MS.Trt_vs_MS.NoTrt_F
SLC10A1	0.06448	0.39844	0.061	0.11	1 MS.Trt_vs_MS.NoTrt_F
ZNF552	0.06471	-0.6353	0.432	0.5	1 MS.Trt_vs_MS.NoTrt_F
SNURF	0.06496	0.42311	0.176	0.25	1 MS.Trt_vs_MS.NoTrt_F
SARM1	0.06516	0.9	0.417	0.51	1 MS.Trt_vs_MS.NoTrt_F
MIEF2	0.06531	-0.4049	0.457	0.56	1 MS.Trt_vs_MS.NoTrt_F
VIPR1	0.06531	0.50841	0.086	0.14	1 MS.Trt_vs_MS.NoTrt_F
THNSL1	0.06548	1.42816	0.119	0.19	1 MS.Trt_vs_MS.NoTrt_F
IGF2R	0.06554	0.49035	0.41	0.51	1 MS.Trt_vs_MS.NoTrt_F
USP37	0.06555	-0.9163	0.442	0.51	1 MS.Trt_vs_MS.NoTrt_F
FOXRED2	0.06557	0.61444	0.504	0.6	1 MS.Trt_vs_MS.NoTrt_F
FAM103A1	0.06558	0.70345	0.18	0.26	1 MS.Trt_vs_MS.NoTrt_F
GRINA	0.06562	0.49099	0.094	0.16	1 MS.Trt_vs_MS.NoTrt_F
NMI	0.06569	-0.8887	0.306	0.38	1 MS.Trt_vs_MS.NoTrt_F
PDE6D	0.06577	0.38329	0.155	0.23	1 MS.Trt_vs_MS.NoTrt_F
TBPL1	0.0658	0.36981	0.245	0.33	1 MS.Trt_vs_MS.NoTrt_F
NT5C3B	0.06592	-0.8163	0.612	0.7	1 MS.Trt_vs_MS.NoTrt_F
RINL	0.06598	-0.6946	0.741	0.77	1 MS.Trt_vs_MS.NoTrt_F
EXOSC3	0.06629	-0.469	0.392	0.46	1 MS.Trt_vs_MS.NoTrt_F
CBFB	0.06631	1.05832	0.173	0.26	1 MS.Trt_vs_MS.NoTrt_F
TET1	0.06638	0.5379	0.097	0.16	1 MS.Trt_vs_MS.NoTrt_F
DRC3	0.06646	-0.39	0.565	0.65	1 MS.Trt_vs_MS.NoTrt_F
ERGIC2	0.06651	-0.7273	0.471	0.55	1 MS.Trt_vs_MS.NoTrt_F
COMMD10	0.06657	0.27196	0.324	0.41	1 MS.Trt_vs_MS.NoTrt_F
ZNF665	0.06668	0.68262	0.917	0.95	1 MS.Trt_vs_MS.NoTrt_F
TRIM26	0.06673	0.54752	0.191	0.28	1 MS.Trt_vs_MS.NoTrt_F
GORAB	0.06676	0.32032	0.083	0.14	1 MS.Trt_vs_MS.NoTrt_F
SNX21	0.06683	0.76921	0.421	0.56	1 MS.Trt_vs_MS.NoTrt_F
DPYSL2	0.06689	0.36883	0.572	0.49	1 MS.Trt_vs_MS.NoTrt_F
RBM48	0.06698	0.57152	0.719	0.85	1 MS.Trt_vs_MS.NoTrt_F
RAB40B	0.06704	0.26291	0.525	0.62	1 MS.Trt_vs_MS.NoTrt_F
MTRF1L	0.06709	1.02486	0.094	0.16	1 MS.Trt_vs_MS.NoTrt_F
CLSTN3	0.06712	0.27702	0.183	0.27	1 MS.Trt_vs_MS.NoTrt_F
MAP4K5	0.06714	-0.6613	0.482	0.57	1 MS.Trt_vs_MS.NoTrt_F
LIN7C	0.06731	-0.2998	0.388	0.45	1 MS.Trt_vs_MS.NoTrt_F

UQCR10	0.06734	0.84009	0.342	0.48	1 MS.Trt_vs_MS.NoTrt_F
WDR46	0.06735	0.95118	0.122	0.19	1 MS.Trt_vs_MS.NoTrt_F
ARF4	0.06736	0.54053	0.209	0.29	1 MS.Trt_vs_MS.NoTrt_F
CASD1	0.0674	0.73964	0.083	0.14	1 MS.Trt_vs_MS.NoTrt_F
CYP20A1	0.06743	-0.2908	0.896	0.92	1 MS.Trt_vs_MS.NoTrt_F
ZNF333	0.0677	0.71904	0.885	0.94	1 MS.Trt_vs_MS.NoTrt_F
TRIM45	0.06778	-0.6088	0.112	0.17	1 MS.Trt_vs_MS.NoTrt_F
ACOX3	0.06799	0.40594	0.133	0.2	1 MS.Trt_vs_MS.NoTrt_F
SCP2	0.06801	0.79147	0.277	0.39	1 MS.Trt_vs_MS.NoTrt_F
RPS6KB2	0.06803	-0.5591	0.853	0.87	1 MS.Trt_vs_MS.NoTrt_F
PLEKHA3	0.06808	-0.395	0.763	0.81	1 MS.Trt_vs_MS.NoTrt_F
SMIM12	0.0681	-0.3376	0.737	0.79	1 MS.Trt_vs_MS.NoTrt_F
SH3PXD2A	0.06814	-0.3086	0.309	0.39	1 MS.Trt_vs_MS.NoTrt_F
DNPH1	0.06818	0.99831	0.212	0.32	1 MS.Trt_vs_MS.NoTrt_F
EDC3	0.06831	0.35438	0.371	0.46	1 MS.Trt_vs_MS.NoTrt_F
MRPL46	0.06834	-0.4318	0.252	0.33	1 MS.Trt_vs_MS.NoTrt_F
NOP56	0.06841	0.64525	0.453	0.55	1 MS.Trt_vs_MS.NoTrt_F
RASAL3	0.06846	0.45417	0.219	0.32	1 MS.Trt_vs_MS.NoTrt_F
STEAP3	0.06847	-0.7891	0.162	0.23	1 MS.Trt_vs_MS.NoTrt_F
CLCN5	0.0685	-0.3486	0.277	0.37	1 MS.Trt_vs_MS.NoTrt_F
MYO10	0.0685	-0.2901	0.619	0.71	1 MS.Trt_vs_MS.NoTrt_F
DNMBP	0.06865	1.09817	0.09	0.14	1 MS.Trt_vs_MS.NoTrt_F
SLC25A14	0.06868	-0.49	0.263	0.35	1 MS.Trt_vs_MS.NoTrt_F
TMEM138	0.06868	-0.5965	0.806	0.86	1 MS.Trt_vs_MS.NoTrt_F
RP11-244H3	0.06876	0.86753	0.108	0.17	1 MS.Trt_vs_MS.NoTrt_F
PCGF6	0.06895	-0.4182	0.644	0.79	1 MS.Trt_vs_MS.NoTrt_F
AC138645.2	0.06899	-0.3001	0.151	0.22	1 MS.Trt_vs_MS.NoTrt_F
MOB4	0.06899	-0.4007	0.378	0.44	1 MS.Trt_vs_MS.NoTrt_F
HRH2	0.06911	-1.0327	0.115	0.17	1 MS.Trt_vs_MS.NoTrt_F
CEP83	0.06913	-0.4512	0.647	0.69	1 MS.Trt_vs_MS.NoTrt_F
EIF2AK2	0.06921	0.30336	0.773	0.85	1 MS.Trt_vs_MS.NoTrt_F
PDZD2	0.06924	0.64793	0.705	0.66	1 MS.Trt_vs_MS.NoTrt_F
MYLIP	0.06925	0.75536	0.104	0.17	1 MS.Trt_vs_MS.NoTrt_F
AMACR	0.06936	-0.4537	0.101	0.16	1 MS.Trt_vs_MS.NoTrt_F
DIMT1	0.06938	0.80276	0.147	0.23	1 MS.Trt_vs_MS.NoTrt_F
DARS	0.06942	0.51293	0.331	0.44	1 MS.Trt_vs_MS.NoTrt_F
NUP54	0.06942	0.3562	0.194	0.27	1 MS.Trt_vs_MS.NoTrt_F
METRNL	0.06959	1.09929	0.119	0.18	1 MS.Trt_vs_MS.NoTrt_F
TMEM255B	0.0699	0.66382	0.176	0.25	1 MS.Trt_vs_MS.NoTrt_F
GATAD2A	0.07005	0.48734	0.655	0.77	1 MS.Trt_vs_MS.NoTrt_F

FAM179B	0.07014	0.4635	0.755	0.87	1 MS.Trt_vs_MS.NoTrt_F
MYCBPAP	0.0702	-0.417	0.791	0.89	1 MS.Trt_vs_MS.NoTrt_F
NCAPH2	0.07023	0.34265	0.712	0.81	1 MS.Trt_vs_MS.NoTrt_F
CPNE8	0.07023	0.62009	0.151	0.23	1 MS.Trt_vs_MS.NoTrt_F
TMEM116	0.07033	-0.5656	0.871	0.91	1 MS.Trt_vs_MS.NoTrt_F
MPI	0.0704	0.52734	0.468	0.56	1 MS.Trt_vs_MS.NoTrt_F
TNS1	0.07046	-1.1693	0.23	0.31	1 MS.Trt_vs_MS.NoTrt_F
YTHDC2	0.07046	0.52021	0.406	0.51	1 MS.Trt_vs_MS.NoTrt_F
FRMD8	0.07052	0.73642	0.644	0.58	1 MS.Trt_vs_MS.NoTrt_F
KIAA2013	0.07054	0.51302	0.284	0.37	1 MS.Trt_vs_MS.NoTrt_F
ZNF91	0.07073	0.36562	0.727	0.82	1 MS.Trt_vs_MS.NoTrt_F
FBXW4	0.07081	0.52688	0.446	0.56	1 MS.Trt_vs_MS.NoTrt_F
MIEN1	0.071	0.79205	0.169	0.25	1 MS.Trt_vs_MS.NoTrt_F
SMARCC1	0.07109	-0.4873	0.442	0.51	1 MS.Trt_vs_MS.NoTrt_F
VWF	0.07127	0.35477	0.079	0.13	1 MS.Trt_vs_MS.NoTrt_F
FAM101B	0.07128	1.19368	0.288	0.4	1 MS.Trt_vs_MS.NoTrt_F
LYZ	0.0713	0.97044	0.371	0.48	1 MS.Trt_vs_MS.NoTrt_F
VCL	0.07152	0.45041	0.144	0.22	1 MS.Trt_vs_MS.NoTrt_F
TEN1	0.07161	-0.7201	0.327	0.41	1 MS.Trt_vs_MS.NoTrt_F
PAPD5	0.07168	-0.5355	0.205	0.28	1 MS.Trt_vs_MS.NoTrt_F
NFYA	0.07185	0.71579	0.144	0.22	1 MS.Trt_vs_MS.NoTrt_F
KSR1	0.07203	0.83847	0.288	0.38	1 MS.Trt_vs_MS.NoTrt_F
RDH14	0.07205	1.0108	0.079	0.13	1 MS.Trt_vs_MS.NoTrt_F
RMND1	0.07205	-0.3703	0.068	0.12	1 MS.Trt_vs_MS.NoTrt_F
IL3RA	0.07222	0.51934	0.101	0.16	1 MS.Trt_vs_MS.NoTrt_F
NCMAP	0.07233	0.32937	0.687	0.64	1 MS.Trt_vs_MS.NoTrt_F
POT1	0.07255	0.51382	0.119	0.18	1 MS.Trt_vs_MS.NoTrt_F
SYNGR2	0.07316	0.2637	0.525	0.62	1 MS.Trt_vs_MS.NoTrt_F
UQCC1	0.07328	-0.3435	0.496	0.6	1 MS.Trt_vs_MS.NoTrt_F
INSR	0.07345	0.42481	0.439	0.51	1 MS.Trt_vs_MS.NoTrt_F
LAMB1	0.07351	0.34328	0.284	0.38	1 MS.Trt_vs_MS.NoTrt_F
RPA1	0.07359	0.30366	0.263	0.35	1 MS.Trt_vs_MS.NoTrt_F
CTD-314811C	0.0737	0.55949	0.115	0.18	1 MS.Trt_vs_MS.NoTrt_F
WDR5	0.07374	0.27386	0.14	0.21	1 MS.Trt_vs_MS.NoTrt_F
B4GALT4	0.07379	-0.3527	0.647	0.68	1 MS.Trt_vs_MS.NoTrt_F
ATF5	0.07395	0.41971	0.263	0.36	1 MS.Trt_vs_MS.NoTrt_F
GATS	0.07399	-0.3757	0.32	0.41	1 MS.Trt_vs_MS.NoTrt_F
GSTM1	0.07402	1.1576	0.183	0.27	1 MS.Trt_vs_MS.NoTrt_F
DPM3	0.07429	0.73018	0.079	0.13	1 MS.Trt_vs_MS.NoTrt_F
KRBA1	0.07444	-0.8521	0.068	0.12	1 MS.Trt_vs_MS.NoTrt_F

SEC24D	0.07446	0.41744	0.522	0.6	1 MS.Trt_vs_MS.NoTrt_F
CDYL	0.07459	-0.4447	0.097	0.16	1 MS.Trt_vs_MS.NoTrt_F
SLC44A1	0.07467	-1.4273	0.658	0.71	1 MS.Trt_vs_MS.NoTrt_F
MEX3C	0.07481	0.64909	0.104	0.17	1 MS.Trt_vs_MS.NoTrt_F
C6orf163	0.07487	0.52956	0.421	0.54	1 MS.Trt_vs_MS.NoTrt_F
ZBTB40	0.07488	-0.3557	0.403	0.48	1 MS.Trt_vs_MS.NoTrt_F
FAM213B	0.07496	0.38717	0.122	0.19	1 MS.Trt_vs_MS.NoTrt_F
FBXO6	0.07497	0.62734	0.716	0.65	1 MS.Trt_vs_MS.NoTrt_F
CSNK1E	0.07503	-0.3711	0.676	0.78	1 MS.Trt_vs_MS.NoTrt_F
ZXDC	0.07511	-0.5858	0.108	0.17	1 MS.Trt_vs_MS.NoTrt_F
KIF2A	0.07527	0.7431	0.252	0.35	1 MS.Trt_vs_MS.NoTrt_F
LMNB1	0.07529	0.26425	0.126	0.19	1 MS.Trt_vs_MS.NoTrt_F
TLK1	0.07538	0.55434	0.788	0.86	1 MS.Trt_vs_MS.NoTrt_F
RNASEL	0.07544	0.54214	0.345	0.45	1 MS.Trt_vs_MS.NoTrt_F
NCR1	0.07547	0.76799	0.205	0.28	1 MS.Trt_vs_MS.NoTrt_F
MOB3C	0.07547	2.46341	0.079	0.13	1 MS.Trt_vs_MS.NoTrt_F
CMAS	0.07552	0.35693	0.119	0.18	1 MS.Trt_vs_MS.NoTrt_F
FBXO8	0.07553	0.9535	0.104	0.17	1 MS.Trt_vs_MS.NoTrt_F
NDUFB1	0.07561	0.39362	0.719	0.85	1 MS.Trt_vs_MS.NoTrt_F
C1orf52	0.07564	-0.6378	0.295	0.38	1 MS.Trt_vs_MS.NoTrt_F
TRIM52	0.07571	0.54173	0.86	0.81	1 MS.Trt_vs_MS.NoTrt_F
NUDT19	0.07591	0.62969	0.892	0.93	1 MS.Trt_vs_MS.NoTrt_F
CPT2	0.07597	-0.2756	0.727	0.78	1 MS.Trt_vs_MS.NoTrt_F
FAM208B	0.07615	0.60652	0.277	0.38	1 MS.Trt_vs_MS.NoTrt_F
MS4A15	0.07616	-0.2662	0.068	0.12	1 MS.Trt_vs_MS.NoTrt_F
AKR1C3	0.07628	-0.9273	0.065	0.11	1 MS.Trt_vs_MS.NoTrt_F
CSNK1D	0.07648	-0.2967	0.921	0.96	1 MS.Trt_vs_MS.NoTrt_F
ABHD10	0.07651	0.27508	0.137	0.2	1 MS.Trt_vs_MS.NoTrt_F
PPP1R8	0.07658	0.49101	0.076	0.13	1 MS.Trt_vs_MS.NoTrt_F
ICA1	0.07661	0.8874	0.612	0.56	1 MS.Trt_vs_MS.NoTrt_F
SLC7A6OS	0.07665	0.41387	0.216	0.3	1 MS.Trt_vs_MS.NoTrt_F
DHX35	0.07678	-0.8707	0.385	0.45	1 MS.Trt_vs_MS.NoTrt_F
ALG13	0.07684	0.29049	0.338	0.43	1 MS.Trt_vs_MS.NoTrt_F
ARHGEF40	0.07688	0.32017	0.18	0.25	1 MS.Trt_vs_MS.NoTrt_F
IMPDH1	0.07693	0.38183	0.165	0.24	1 MS.Trt_vs_MS.NoTrt_F
CLTC	0.0771	-0.3766	0.374	0.44	1 MS.Trt_vs_MS.NoTrt_F
TRIM5	0.07714	0.57917	0.468	0.56	1 MS.Trt_vs_MS.NoTrt_F
HIST1H2AC	0.07746	0.88571	0.079	0.13	1 MS.Trt_vs_MS.NoTrt_F
CTNS	0.07754	-0.4635	0.155	0.22	1 MS.Trt_vs_MS.NoTrt_F
GALNT15	0.07769	0.70049	0.277	0.38	1 MS.Trt_vs_MS.NoTrt_F

KCNAB1	0.0778	1.33446	0.079	0.13	1 MS.Trt_vs_MS.NoTrt_F
NR1H3	0.07781	0.70431	0.151	0.22	1 MS.Trt_vs_MS.NoTrt_F
ADHFE1	0.07793	0.57899	0.158	0.24	1 MS.Trt_vs_MS.NoTrt_F
MFGE8	0.07808	-0.8546	0.547	0.62	1 MS.Trt_vs_MS.NoTrt_F
PIH1D3	0.0782	-0.3071	0.32	0.4	1 MS.Trt_vs_MS.NoTrt_F
ARHGEF12	0.0783	0.38501	0.96	0.98	1 MS.Trt_vs_MS.NoTrt_F
RGS13	0.07839	0.45259	0.399	0.57	1 MS.Trt_vs_MS.NoTrt_F
ZSCAN21	0.07844	-0.5495	0.227	0.31	1 MS.Trt_vs_MS.NoTrt_F
CH507-9B2.!	0.07846	-0.5606	0.112	0.17	1 MS.Trt_vs_MS.NoTrt_F
MCM5	0.07861	0.34682	0.216	0.29	1 MS.Trt_vs_MS.NoTrt_F
ELOVL1	0.07876	0.63047	0.18	0.26	1 MS.Trt_vs_MS.NoTrt_F
SMAD3	0.07892	0.56007	0.169	0.25	1 MS.Trt_vs_MS.NoTrt_F
ETV7	0.07896	-0.2604	0.068	0.12	1 MS.Trt_vs_MS.NoTrt_F
SOX4	0.07913	1.50229	0.097	0.16	1 MS.Trt_vs_MS.NoTrt_F
OSTM1	0.07946	-0.4666	0.82	0.85	1 MS.Trt_vs_MS.NoTrt_F
EGFL8	0.07958	-0.4459	0.547	0.65	1 MS.Trt_vs_MS.NoTrt_F
PAXBP1	0.07961	0.3641	0.205	0.29	1 MS.Trt_vs_MS.NoTrt_F
SLC9A6	0.07961	-0.3828	0.428	0.54	1 MS.Trt_vs_MS.NoTrt_F
PRPF19	0.07973	-0.4133	0.094	0.15	1 MS.Trt_vs_MS.NoTrt_F
NPIPA8	0.07984	-0.3152	0.068	0.12	1 MS.Trt_vs_MS.NoTrt_F
FBXO9	0.08033	-0.5148	0.809	0.84	1 MS.Trt_vs_MS.NoTrt_F
KMT5B	0.08033	0.63787	0.324	0.4	1 MS.Trt_vs_MS.NoTrt_F
ADCY9	0.0804	0.74057	0.288	0.38	1 MS.Trt_vs_MS.NoTrt_F
MTIF3	0.08058	0.63761	0.223	0.32	1 MS.Trt_vs_MS.NoTrt_F
BRD7	0.08076	0.75122	0.54	0.63	1 MS.Trt_vs_MS.NoTrt_F
ACAP3	0.08084	-0.2507	0.133	0.19	1 MS.Trt_vs_MS.NoTrt_F
OSTC	0.08088	0.57444	0.266	0.36	1 MS.Trt_vs_MS.NoTrt_F
WIZ	0.08101	-0.3532	0.313	0.4	1 MS.Trt_vs_MS.NoTrt_F
CDRT4	0.08106	0.37253	0.129	0.19	1 MS.Trt_vs_MS.NoTrt_F
ZC3H12C	0.08117	-0.9244	0.097	0.15	1 MS.Trt_vs_MS.NoTrt_F
FAXDC2	0.08124	0.31279	0.849	0.82	1 MS.Trt_vs_MS.NoTrt_F
ITGAV	0.08142	0.89055	0.115	0.18	1 MS.Trt_vs_MS.NoTrt_F
ZNF223	0.08147	1.45805	0.119	0.18	1 MS.Trt_vs_MS.NoTrt_F
RNF170	0.08149	-0.6884	0.55	0.64	1 MS.Trt_vs_MS.NoTrt_F
C11orf80	0.08154	0.52659	0.482	0.56	1 MS.Trt_vs_MS.NoTrt_F
MRPL19	0.08162	0.54111	0.273	0.36	1 MS.Trt_vs_MS.NoTrt_F
KLC2	0.08169	0.32413	0.108	0.17	1 MS.Trt_vs_MS.NoTrt_F
AD000671.6	0.08169	0.31544	0.126	0.19	1 MS.Trt_vs_MS.NoTrt_F
ERCC1	0.08174	0.36434	0.777	0.81	1 MS.Trt_vs_MS.NoTrt_F
ZFHX3	0.08182	0.28139	0.158	0.23	1 MS.Trt_vs_MS.NoTrt_F

WRAP53	0.08187	0.3827	0.072	0.12	1	MS.Trt_vs_MS.NoTrt_F
EDF1	0.08198	0.39307	0.417	0.58	1	MS.Trt_vs_MS.NoTrt_F
ARFGAP2	0.08217	-0.3665	0.522	0.64	1	MS.Trt_vs_MS.NoTrt_F
CDK2AP2	0.08218	0.31961	0.245	0.34	1	MS.Trt_vs_MS.NoTrt_F
FGF1	0.08226	1.14669	0.086	0.14	1	MS.Trt_vs_MS.NoTrt_F
SIL1	0.08238	0.36959	0.122	0.18	1	MS.Trt_vs_MS.NoTrt_F
CRELD2	0.0825	0.38186	0.601	0.67	1	MS.Trt_vs_MS.NoTrt_F
RNPC3	0.0827	0.63113	0.302	0.4	1	MS.Trt_vs_MS.NoTrt_F
TMEM106A	0.08278	-0.3246	0.651	0.7	1	MS.Trt_vs_MS.NoTrt_F
ELMO2	0.08279	0.47318	0.212	0.29	1	MS.Trt_vs_MS.NoTrt_F
ILKAP	0.08305	0.25149	0.597	0.72	1	MS.Trt_vs_MS.NoTrt_F
INTS2	0.0832	-0.5428	0.266	0.34	1	MS.Trt_vs_MS.NoTrt_F
KIF5C	0.08346	-1.0081	0.068	0.12	1	MS.Trt_vs_MS.NoTrt_F
CTPS2	0.08349	0.75657	0.108	0.17	1	MS.Trt_vs_MS.NoTrt_F
CTSW	0.08357	1.0813	0.669	0.61	1	MS.Trt_vs_MS.NoTrt_F
GALNT8	0.08358	0.98109	0.065	0.11	1	MS.Trt_vs_MS.NoTrt_F
GDAP1	0.08366	0.66404	0.108	0.17	1	MS.Trt_vs_MS.NoTrt_F
TRAPPC6B	0.08367	-0.5747	0.518	0.59	1	MS.Trt_vs_MS.NoTrt_F
ERCC5	0.08372	0.46843	0.392	0.48	1	MS.Trt_vs_MS.NoTrt_F
MRPL21	0.0839	0.53465	0.126	0.19	1	MS.Trt_vs_MS.NoTrt_F
MORN4	0.08391	-0.3941	0.525	0.65	1	MS.Trt_vs_MS.NoTrt_F
STX12	0.08401	0.59739	0.266	0.35	1	MS.Trt_vs_MS.NoTrt_F
AKR1C2	0.0841	-0.688	0.104	0.16	1	MS.Trt_vs_MS.NoTrt_F
TMEM44	0.08419	-0.4621	0.55	0.64	1	MS.Trt_vs_MS.NoTrt_F
ZCRB1	0.08439	0.8532	0.18	0.26	1	MS.Trt_vs_MS.NoTrt_F
BUD13	0.08441	1.0421	0.112	0.17	1	MS.Trt_vs_MS.NoTrt_F
CPM	0.08448	0.56287	0.799	0.77	1	MS.Trt_vs_MS.NoTrt_F
MGME1	0.08453	0.30394	0.112	0.17	1	MS.Trt_vs_MS.NoTrt_F
TMEM117	0.08454	0.77616	0.097	0.16	1	MS.Trt_vs_MS.NoTrt_F
ENO3	0.08458	0.36659	0.5	0.59	1	MS.Trt_vs_MS.NoTrt_F
CDC7	0.08474	0.26849	0.068	0.12	1	MS.Trt_vs_MS.NoTrt_F
ZNF589	0.08494	0.69866	0.45	0.55	1	MS.Trt_vs_MS.NoTrt_F
TCAF1	0.08505	-0.937	0.338	0.41	1	MS.Trt_vs_MS.NoTrt_F
SLC26A6	0.08507	0.6607	0.108	0.17	1	MS.Trt_vs_MS.NoTrt_F
MSTO1	0.08526	1.39429	0.112	0.18	1	MS.Trt_vs_MS.NoTrt_F
C2orf69	0.08536	0.56644	0.259	0.35	1	MS.Trt_vs_MS.NoTrt_F
RNF25	0.08539	0.29029	0.112	0.17	1	MS.Trt_vs_MS.NoTrt_F
SBF2	0.08567	0.3482	0.946	0.97	1	MS.Trt_vs_MS.NoTrt_F
NDFIP2	0.08585	0.33562	0.205	0.28	1	MS.Trt_vs_MS.NoTrt_F
RP11-295P9	0.08594	0.27151	0.126	0.19	1	MS.Trt_vs_MS.NoTrt_F

IFI44	0.08615	0.79449	0.09	0.14	1	MS.Trt_vs_MS.NoTrt_F
ZNF394	0.08621	-0.7822	0.547	0.61	1	MS.Trt_vs_MS.NoTrt_F
FAHD2A	0.08621	0.7459	0.165	0.24	1	MS.Trt_vs_MS.NoTrt_F
DOCK11	0.08622	0.44014	0.543	0.73	1	MS.Trt_vs_MS.NoTrt_F
SCNM1	0.08627	-0.4382	0.723	0.78	1	MS.Trt_vs_MS.NoTrt_F
KIAA0232	0.08633	0.6955	0.119	0.18	1	MS.Trt_vs_MS.NoTrt_F
CFAP70	0.08639	-0.8527	0.281	0.35	1	MS.Trt_vs_MS.NoTrt_F
CHKA	0.08663	0.92679	0.072	0.12	1	MS.Trt_vs_MS.NoTrt_F
H2AFJ	0.08679	0.40104	0.129	0.19	1	MS.Trt_vs_MS.NoTrt_F
CARHSP1	0.08686	-0.5702	0.705	0.72	1	MS.Trt_vs_MS.NoTrt_F
TMBIM4	0.0869	0.36185	0.82	0.87	1	MS.Trt_vs_MS.NoTrt_F
STAMBPL1	0.08693	-0.2667	0.5	0.59	1	MS.Trt_vs_MS.NoTrt_F
FNTB	0.087	-0.398	0.169	0.24	1	MS.Trt_vs_MS.NoTrt_F
RCCD1	0.08706	-0.9733	0.198	0.27	1	MS.Trt_vs_MS.NoTrt_F
DECR1	0.08713	0.29336	0.478	0.59	1	MS.Trt_vs_MS.NoTrt_F
GTPBP4	0.08714	-1.004	0.489	0.57	1	MS.Trt_vs_MS.NoTrt_F
LINC00371	0.08718	-0.2929	0.144	0.21	1	MS.Trt_vs_MS.NoTrt_F
PSMA2	0.08722	0.53594	0.586	0.66	1	MS.Trt_vs_MS.NoTrt_F
GALNS	0.08734	0.50041	0.532	0.61	1	MS.Trt_vs_MS.NoTrt_F
CCDC117	0.08735	0.66106	0.367	0.45	1	MS.Trt_vs_MS.NoTrt_F
RCOR3	0.08738	-0.253	0.403	0.48	1	MS.Trt_vs_MS.NoTrt_F
COQ3	0.08744	0.59956	0.252	0.33	1	MS.Trt_vs_MS.NoTrt_F
ZNF165	0.0875	1.77211	0.068	0.12	1	MS.Trt_vs_MS.NoTrt_F
EGLN1	0.08754	0.3134	0.374	0.45	1	MS.Trt_vs_MS.NoTrt_F
MYO1D	0.08769	0.38663	0.165	0.23	1	MS.Trt_vs_MS.NoTrt_F
ACSL1	0.0879	0.59353	0.23	0.29	1	MS.Trt_vs_MS.NoTrt_F
ARHGEF11	0.08794	0.71764	0.09	0.14	1	MS.Trt_vs_MS.NoTrt_F
NOS3	0.08807	-0.7895	0.335	0.43	1	MS.Trt_vs_MS.NoTrt_F
KLHL9	0.08813	-0.4458	0.381	0.46	1	MS.Trt_vs_MS.NoTrt_F
IFIT2	0.08832	-0.4547	0.094	0.15	1	MS.Trt_vs_MS.NoTrt_F
JADE2	0.08835	0.37185	0.187	0.27	1	MS.Trt_vs_MS.NoTrt_F
CAPN3	0.08838	-0.662	0.083	0.13	1	MS.Trt_vs_MS.NoTrt_F
TMEM263	0.08839	0.50166	0.388	0.46	1	MS.Trt_vs_MS.NoTrt_F
FOXN3	0.08848	-0.374	0.881	0.95	1	MS.Trt_vs_MS.NoTrt_F
TSN	0.08873	0.2531	0.36	0.44	1	MS.Trt_vs_MS.NoTrt_F
LSM12	0.08881	0.44637	0.669	0.76	1	MS.Trt_vs_MS.NoTrt_F
NUP85	0.08902	0.27865	0.428	0.53	1	MS.Trt_vs_MS.NoTrt_F
LINC01125	0.08907	0.35213	0.96	0.96	1	MS.Trt_vs_MS.NoTrt_F
WDR26	0.0891	0.39252	0.626	0.72	1	MS.Trt_vs_MS.NoTrt_F
ETV4	0.08915	-0.6535	0.097	0.15	1	MS.Trt_vs_MS.NoTrt_F

PPP3CB	0.08929	0.92183	0.129	0.19	1	MS.Trt_vs_MS.NoTrt_F
PTPRJ	0.08929	0.3423	0.371	0.45	1	MS.Trt_vs_MS.NoTrt_F
GALNT9	0.08942	-0.3238	0.201	0.27	1	MS.Trt_vs_MS.NoTrt_F
LSM7	0.08961	0.31485	0.637	0.71	1	MS.Trt_vs_MS.NoTrt_F
RNF2	0.08964	-0.3679	0.399	0.51	1	MS.Trt_vs_MS.NoTrt_F
FLOT1	0.0897	0.51948	0.144	0.22	1	MS.Trt_vs_MS.NoTrt_F
SLC20A1	0.08971	0.46345	0.237	0.34	1	MS.Trt_vs_MS.NoTrt_F
BPGM	0.08972	0.49259	0.094	0.15	1	MS.Trt_vs_MS.NoTrt_F
SULT1A2	0.08977	0.25516	0.201	0.28	1	MS.Trt_vs_MS.NoTrt_F
TRAF7	0.08988	0.88949	0.165	0.24	1	MS.Trt_vs_MS.NoTrt_F
HIST1H2AG	0.08993	0.55621	0.338	0.42	1	MS.Trt_vs_MS.NoTrt_F
NPL	0.09006	-1.3931	0.266	0.34	1	MS.Trt_vs_MS.NoTrt_F
FOXJ3	0.09019	0.33426	0.536	0.61	1	MS.Trt_vs_MS.NoTrt_F
UTP14C	0.09053	0.38581	0.205	0.28	1	MS.Trt_vs_MS.NoTrt_F
SPECC1	0.09061	0.48088	0.932	0.93	1	MS.Trt_vs_MS.NoTrt_F
RNF135	0.09061	0.8745	0.281	0.37	1	MS.Trt_vs_MS.NoTrt_F
SPEG	0.09076	0.46822	0.237	0.32	1	MS.Trt_vs_MS.NoTrt_F
ABCG1	0.09083	-0.266	0.432	0.5	1	MS.Trt_vs_MS.NoTrt_F
RASSF2	0.09096	0.30411	0.356	0.45	1	MS.Trt_vs_MS.NoTrt_F
FKBP11	0.09121	-0.3341	0.701	0.76	1	MS.Trt_vs_MS.NoTrt_F
STK11	0.0913	-0.6022	0.381	0.47	1	MS.Trt_vs_MS.NoTrt_F
ZNF512B	0.09137	-0.8551	0.061	0.11	1	MS.Trt_vs_MS.NoTrt_F
METTL9	0.09138	0.62872	0.586	0.7	1	MS.Trt_vs_MS.NoTrt_F
HSD17B4	0.0914	0.35044	0.594	0.7	1	MS.Trt_vs_MS.NoTrt_F
TCEA2	0.09143	-0.57	0.061	0.11	1	MS.Trt_vs_MS.NoTrt_F
LRP10	0.09156	0.31762	0.759	0.82	1	MS.Trt_vs_MS.NoTrt_F
CLOCK	0.09165	0.84294	0.183	0.26	1	MS.Trt_vs_MS.NoTrt_F
LCOR	0.09199	0.46483	0.342	0.44	1	MS.Trt_vs_MS.NoTrt_F
BRAT1	0.09202	0.74925	0.291	0.37	1	MS.Trt_vs_MS.NoTrt_F
MTMR10	0.09218	-1.2957	0.176	0.24	1	MS.Trt_vs_MS.NoTrt_F
TSACC	0.09219	-0.3366	0.129	0.19	1	MS.Trt_vs_MS.NoTrt_F
ADIPOR1	0.0925	0.35904	0.266	0.35	1	MS.Trt_vs_MS.NoTrt_F
GPR25	0.0926	1.13573	0.065	0.11	1	MS.Trt_vs_MS.NoTrt_F
C3orf67	0.09293	0.93192	0.442	0.37	1	MS.Trt_vs_MS.NoTrt_F
CDC14B	0.09302	0.55001	0.302	0.37	1	MS.Trt_vs_MS.NoTrt_F
NEMP2	0.09316	0.77685	0.122	0.18	1	MS.Trt_vs_MS.NoTrt_F
KLF9	0.09334	1.58858	0.068	0.12	1	MS.Trt_vs_MS.NoTrt_F
SART3	0.09336	0.50469	0.176	0.25	1	MS.Trt_vs_MS.NoTrt_F
RPL7L1	0.09337	0.26249	0.996	1	1	MS.Trt_vs_MS.NoTrt_F
CCNC	0.09341	0.35625	0.561	0.69	1	MS.Trt_vs_MS.NoTrt_F



MSC	0.09343	0.99808	0.061	0.11	1	MS.Trt_vs_MS.NoTrt_F
PTP4A2	0.09345	0.25194	0.525	0.61	1	MS.Trt_vs_MS.NoTrt_F
USP45	0.09374	0.69787	0.18	0.25	1	MS.Trt_vs_MS.NoTrt_F
SLC35B1	0.09429	-0.2855	0.662	0.72	1	MS.Trt_vs_MS.NoTrt_F
PSEN2	0.09438	-1.0967	0.162	0.23	1	MS.Trt_vs_MS.NoTrt_F
ST20-MTHFS	0.09448	0.51121	0.151	0.22	1	MS.Trt_vs_MS.NoTrt_F
DCAF6	0.09472	0.27489	0.223	0.31	1	MS.Trt_vs_MS.NoTrt_F
MED6	0.09485	-0.3113	0.504	0.56	1	MS.Trt_vs_MS.NoTrt_F
DEAF1	0.09492	-0.4465	0.331	0.42	1	MS.Trt_vs_MS.NoTrt_F
C1orf109	0.09495	-0.5554	0.921	0.86	1	MS.Trt_vs_MS.NoTrt_F
ANGEL2	0.09499	-0.3764	0.662	0.71	1	MS.Trt_vs_MS.NoTrt_F
PTGIS	0.09536	0.55423	0.752	0.75	1	MS.Trt_vs_MS.NoTrt_F
DUSP23	0.0955	1.16947	0.122	0.19	1	MS.Trt_vs_MS.NoTrt_F
ERBB3	0.09563	0.62155	0.723	0.82	1	MS.Trt_vs_MS.NoTrt_F
ZMAT1	0.09577	-0.4237	0.338	0.42	1	MS.Trt_vs_MS.NoTrt_F
ABAT	0.09608	-0.6452	0.608	0.67	1	MS.Trt_vs_MS.NoTrt_F
TPGS1	0.09612	0.51722	0.388	0.29	1	MS.Trt_vs_MS.NoTrt_F
CGRRF1	0.09614	1.23626	0.245	0.33	1	MS.Trt_vs_MS.NoTrt_F
TRIM61	0.09627	-0.3152	0.234	0.3	1	MS.Trt_vs_MS.NoTrt_F
SPG11	0.09633	-0.3172	0.82	0.83	1	MS.Trt_vs_MS.NoTrt_F
P2RX3	0.09636	-0.2894	0.302	0.38	1	MS.Trt_vs_MS.NoTrt_F
ACADSB	0.09641	0.84173	0.612	0.72	1	MS.Trt_vs_MS.NoTrt_F
NEURL1	0.09651	-0.5876	0.23	0.29	1	MS.Trt_vs_MS.NoTrt_F
TPH1	0.09653	0.62741	0.428	0.52	1	MS.Trt_vs_MS.NoTrt_F
ADARB2	0.09666	0.56993	0.327	0.41	1	MS.Trt_vs_MS.NoTrt_F
TTLL1	0.0968	0.53261	0.065	0.11	1	MS.Trt_vs_MS.NoTrt_F
DLEC1	0.09688	-0.9951	0.464	0.54	1	MS.Trt_vs_MS.NoTrt_F
PPIP5K1	0.09694	-0.4742	0.511	0.61	1	MS.Trt_vs_MS.NoTrt_F
COG2	0.09697	1.30822	0.353	0.44	1	MS.Trt_vs_MS.NoTrt_F
IFI27L1	0.09702	0.52401	0.076	0.12	1	MS.Trt_vs_MS.NoTrt_F
RANBP6	0.09711	0.39119	0.101	0.16	1	MS.Trt_vs_MS.NoTrt_F
SRD5A3	0.09718	1.03406	0.392	0.49	1	MS.Trt_vs_MS.NoTrt_F
GPAT2	0.09718	0.51743	0.061	0.11	1	MS.Trt_vs_MS.NoTrt_F
GTF2H2	0.09724	-0.419	0.921	0.9	1	MS.Trt_vs_MS.NoTrt_F
TIMM44	0.0973	0.72306	0.662	0.77	1	MS.Trt_vs_MS.NoTrt_F
SPTY2D1	0.09751	0.51097	0.363	0.44	1	MS.Trt_vs_MS.NoTrt_F
MYNN	0.0976	0.421	0.277	0.35	1	MS.Trt_vs_MS.NoTrt_F
LST1	0.09766	0.43574	0.255	0.33	1	MS.Trt_vs_MS.NoTrt_F
SMN1	0.09768	0.29145	0.363	0.48	1	MS.Trt_vs_MS.NoTrt_F
FO538757.1	0.09787	0.3583	0.191	0.27	1	MS.Trt_vs_MS.NoTrt_F

MRPL42	0.09802	0.29916	0.964	0.99	1	MS.Trt_vs_MS.NoTrt_F
PIK3CB	0.09804	-0.8052	0.428	0.49	1	MS.Trt_vs_MS.NoTrt_F
ZSCAN25	0.09854	0.27338	0.46	0.52	1	MS.Trt_vs_MS.NoTrt_F
CGNL1	0.09866	-0.535	0.335	0.41	1	MS.Trt_vs_MS.NoTrt_F
DHX58	0.09868	1.59576	0.061	0.11	1	MS.Trt_vs_MS.NoTrt_F
TSEN34	0.09872	-0.5768	0.205	0.26	1	MS.Trt_vs_MS.NoTrt_F
SERHL2	0.09877	0.59028	0.338	0.42	1	MS.Trt_vs_MS.NoTrt_F
GPR35	0.0988	-1.8272	0.27	0.33	1	MS.Trt_vs_MS.NoTrt_F
ADAMTS17	0.0988	1.16926	0.183	0.25	1	MS.Trt_vs_MS.NoTrt_F
STK40	0.09888	1.03436	0.112	0.17	1	MS.Trt_vs_MS.NoTrt_F
CHD3	0.09888	0.31447	0.281	0.38	1	MS.Trt_vs_MS.NoTrt_F
RPL27	0.09917	0.27237	0.586	0.77	1	MS.Trt_vs_MS.NoTrt_F
JAGN1	0.09937	0.42729	0.129	0.19	1	MS.Trt_vs_MS.NoTrt_F
PCBP4	0.09939	0.35349	0.119	0.18	1	MS.Trt_vs_MS.NoTrt_F
ZNF74	0.09946	-0.7171	0.446	0.51	1	MS.Trt_vs_MS.NoTrt_F
CBX1	0.09958	0.35541	0.27	0.35	1	MS.Trt_vs_MS.NoTrt_F
MIER1	0.09982	0.33112	0.658	0.78	1	MS.Trt_vs_MS.NoTrt_F
RASGRF2	0.09984	0.39923	0.165	0.23	1	MS.Trt_vs_MS.NoTrt_F
SLC12A9	0.09985	-0.5516	0.867	0.9	1	MS.Trt_vs_MS.NoTrt_F
TMEM39B	0.09987	-0.3979	0.155	0.21	1	MS.Trt_vs_MS.NoTrt_F
SLC25A39	0.10001	0.36697	0.676	0.77	1	MS.Trt_vs_MS.NoTrt_F
NEXN	0.10012	0.25715	0.435	0.51	1	MS.Trt_vs_MS.NoTrt_F
B3GNT5	0.10077	-0.885	0.5	0.62	1	MS.Trt_vs_MS.NoTrt_F
SRPK3	0.10083	-0.3249	0.259	0.34	1	MS.Trt_vs_MS.NoTrt_F
KLRK1	0.10106	1.78393	0.655	0.64	1	MS.Trt_vs_MS.NoTrt_F
ASPH	0.10111	0.60155	0.468	0.56	1	MS.Trt_vs_MS.NoTrt_F
SPAG16	0.10118	-0.7314	0.471	0.54	1	MS.Trt_vs_MS.NoTrt_F
CAMK1D	0.1012	-0.2986	0.745	0.84	1	MS.Trt_vs_MS.NoTrt_F
KCNJ6	0.10146	0.28482	0.827	0.83	1	MS.Trt_vs_MS.NoTrt_F
MAD2L1BP	0.10167	0.2886	0.18	0.25	1	MS.Trt_vs_MS.NoTrt_F
BMPR2	0.10174	-0.3961	0.54	0.61	1	MS.Trt_vs_MS.NoTrt_F
PRKCB	0.10179	0.51249	0.223	0.3	1	MS.Trt_vs_MS.NoTrt_F
VWA2	0.1018	-0.4062	0.73	0.79	1	MS.Trt_vs_MS.NoTrt_F
THOC7	0.1019	0.5312	0.219	0.3	1	MS.Trt_vs_MS.NoTrt_F
SLC25A19	0.10218	-0.46	0.378	0.46	1	MS.Trt_vs_MS.NoTrt_F
LAPTM4B	0.10222	-0.7884	0.183	0.24	1	MS.Trt_vs_MS.NoTrt_F
BORCS8	0.10232	0.32441	0.906	0.95	1	MS.Trt_vs_MS.NoTrt_F
ENOX2	0.10242	1.09221	0.129	0.19	1	MS.Trt_vs_MS.NoTrt_F
CTNND1	0.10256	0.29273	0.356	0.45	1	MS.Trt_vs_MS.NoTrt_F
JAK3	0.10265	0.63856	0.809	0.83	1	MS.Trt_vs_MS.NoTrt_F

MAP1LC3A	0.10292	0.51252	0.083	0.13	1	MS.Trt_vs_MS.NoTrt_F
AXL	0.10305	-0.8847	0.716	0.79	1	MS.Trt_vs_MS.NoTrt_F
CD3EAP	0.10336	0.42453	0.881	0.77	1	MS.Trt_vs_MS.NoTrt_F
PTPN4	0.10345	0.32865	0.619	0.71	1	MS.Trt_vs_MS.NoTrt_F
ZNF276	0.1035	0.27777	0.529	0.6	1	MS.Trt_vs_MS.NoTrt_F
ZGRF1	0.1036	0.66506	0.705	0.83	1	MS.Trt_vs_MS.NoTrt_F
CTDP1	0.10366	1.61401	0.086	0.14	1	MS.Trt_vs_MS.NoTrt_F
KAT14	0.10376	0.49982	0.108	0.17	1	MS.Trt_vs_MS.NoTrt_F
LANCL2	0.10414	0.38571	0.137	0.2	1	MS.Trt_vs_MS.NoTrt_F
PROSER1	0.1042	0.44701	0.194	0.27	1	MS.Trt_vs_MS.NoTrt_F
CHMP5	0.10434	0.59175	0.14	0.2	1	MS.Trt_vs_MS.NoTrt_F
HOXB7	0.10447	-0.3212	0.23	0.32	1	MS.Trt_vs_MS.NoTrt_F
CSF1	0.10476	0.51397	0.129	0.19	1	MS.Trt_vs_MS.NoTrt_F
ZNF700	0.10515	0.48507	0.191	0.26	1	MS.Trt_vs_MS.NoTrt_F
WSB2	0.10518	0.61284	0.831	0.85	1	MS.Trt_vs_MS.NoTrt_F
SEMA4F	0.10546	-0.5602	0.518	0.59	1	MS.Trt_vs_MS.NoTrt_F
PLA2G15	0.10575	-0.693	0.745	0.82	1	MS.Trt_vs_MS.NoTrt_F
UNC45B	0.10576	-0.5145	0.151	0.21	1	MS.Trt_vs_MS.NoTrt_F
WASL	0.1058	0.57582	0.119	0.18	1	MS.Trt_vs_MS.NoTrt_F
RP11-1035H	0.10586	1.23619	0.126	0.19	1	MS.Trt_vs_MS.NoTrt_F
C21orf33	0.10592	0.56207	0.374	0.46	1	MS.Trt_vs_MS.NoTrt_F
GOLGA2	0.10595	0.28244	0.558	0.69	1	MS.Trt_vs_MS.NoTrt_F
ATP5J	0.10624	0.87141	0.237	0.34	1	MS.Trt_vs_MS.NoTrt_F
ACSL3	0.1063	-0.319	0.115	0.17	1	MS.Trt_vs_MS.NoTrt_F
BSDC1	0.1063	0.30815	0.45	0.55	1	MS.Trt_vs_MS.NoTrt_F
EME2	0.10644	-0.4582	0.281	0.37	1	MS.Trt_vs_MS.NoTrt_F
ZNF121	0.1065	0.43426	0.899	0.94	1	MS.Trt_vs_MS.NoTrt_F
GMNN	0.10657	0.25442	0.072	0.12	1	MS.Trt_vs_MS.NoTrt_F
GMEB1	0.10663	-0.9183	0.791	0.83	1	MS.Trt_vs_MS.NoTrt_F
TPRG1	0.10725	0.75006	0.219	0.3	1	MS.Trt_vs_MS.NoTrt_F
CYHR1	0.10737	0.43299	0.27	0.35	1	MS.Trt_vs_MS.NoTrt_F
XRCC2	0.10743	-0.4089	0.734	0.81	1	MS.Trt_vs_MS.NoTrt_F
ERCC6L	0.10745	1.39401	0.144	0.21	1	MS.Trt_vs_MS.NoTrt_F
SH2D1A	0.10752	0.71886	0.241	0.34	1	MS.Trt_vs_MS.NoTrt_F
MED29	0.10765	0.41304	0.586	0.67	1	MS.Trt_vs_MS.NoTrt_F
CHN1	0.10772	0.85021	0.079	0.13	1	MS.Trt_vs_MS.NoTrt_F
GGA3	0.10782	0.25972	0.212	0.29	1	MS.Trt_vs_MS.NoTrt_F
ZNF540	0.10814	0.97142	0.493	0.57	1	MS.Trt_vs_MS.NoTrt_F
GTF2H2C.2	0.10819	0.67957	0.255	0.34	1	MS.Trt_vs_MS.NoTrt_F
ATP5L	0.10822	0.59536	0.421	0.58	1	MS.Trt_vs_MS.NoTrt_F

GARNL3	0.10823	0.78566	0.187	0.25	1 MS.Trt_vs_MS.NoTrt_F
PAK1IP1	0.10849	0.85515	0.083	0.13	1 MS.Trt_vs_MS.NoTrt_F
TUBD1	0.1086	-0.7891	0.755	0.82	1 MS.Trt_vs_MS.NoTrt_F
PDS5B	0.10867	0.55168	0.363	0.44	1 MS.Trt_vs_MS.NoTrt_F
SOS1	0.10875	0.39283	0.191	0.26	1 MS.Trt_vs_MS.NoTrt_F
THOC2	0.10882	0.26423	0.532	0.61	1 MS.Trt_vs_MS.NoTrt_F
CHRM5	0.109	0.31596	0.281	0.36	1 MS.Trt_vs_MS.NoTrt_F
SORBS3	0.109	1.06742	0.083	0.13	1 MS.Trt_vs_MS.NoTrt_F
POLRMT	0.10914	1.16754	0.119	0.18	1 MS.Trt_vs_MS.NoTrt_F
RP11-286N2	0.10915	0.32903	0.957	0.97	1 MS.Trt_vs_MS.NoTrt_F
AIFM1	0.10918	-0.5473	0.572	0.63	1 MS.Trt_vs_MS.NoTrt_F
DHX29	0.10928	0.25486	0.18	0.25	1 MS.Trt_vs_MS.NoTrt_F
TANC2	0.10928	1.06991	0.223	0.3	1 MS.Trt_vs_MS.NoTrt_F
SETMAR	0.1093	0.60287	0.331	0.45	1 MS.Trt_vs_MS.NoTrt_F
GRK5	0.10962	0.68731	0.187	0.26	1 MS.Trt_vs_MS.NoTrt_F
FOXK1	0.10968	0.32385	0.853	0.9	1 MS.Trt_vs_MS.NoTrt_F
ZNF267	0.1097	0.38239	0.201	0.28	1 MS.Trt_vs_MS.NoTrt_F
PLXNC1	0.10972	-0.6324	0.101	0.16	1 MS.Trt_vs_MS.NoTrt_F
EFCAB5	0.10976	-0.6248	0.442	0.53	1 MS.Trt_vs_MS.NoTrt_F
GPR132	0.11033	-0.3853	0.378	0.46	1 MS.Trt_vs_MS.NoTrt_F
GLA	0.11052	0.92998	0.079	0.13	1 MS.Trt_vs_MS.NoTrt_F
MSL3	0.11071	1.10168	0.18	0.26	1 MS.Trt_vs_MS.NoTrt_F
FASTKD2	0.1109	0.68893	0.529	0.62	1 MS.Trt_vs_MS.NoTrt_F
NAA15	0.11099	0.43399	0.788	0.79	1 MS.Trt_vs_MS.NoTrt_F
MELTF	0.11101	0.28562	0.112	0.17	1 MS.Trt_vs_MS.NoTrt_F
TAF13	0.11126	0.39	0.165	0.23	1 MS.Trt_vs_MS.NoTrt_F
CEP78	0.11148	-0.5573	0.522	0.6	1 MS.Trt_vs_MS.NoTrt_F
KIAA0408	0.11156	-0.4917	0.291	0.36	1 MS.Trt_vs_MS.NoTrt_F
MCF2L2	0.11189	-0.5348	0.935	0.95	1 MS.Trt_vs_MS.NoTrt_F
LYG2	0.11189	1.01873	0.083	0.13	1 MS.Trt_vs_MS.NoTrt_F
RLF	0.11192	0.4242	0.23	0.32	1 MS.Trt_vs_MS.NoTrt_F
ZNF512	0.11207	0.54535	0.151	0.22	1 MS.Trt_vs_MS.NoTrt_F
UBR1	0.11207	0.33409	0.691	0.72	1 MS.Trt_vs_MS.NoTrt_F
NTPCR	0.11224	0.56361	0.417	0.5	1 MS.Trt_vs_MS.NoTrt_F
DHX32	0.11229	0.41675	0.068	0.11	1 MS.Trt_vs_MS.NoTrt_F
UBE2E3	0.11236	1.19827	0.079	0.13	1 MS.Trt_vs_MS.NoTrt_F
RNF41	0.11261	-0.2526	0.719	0.82	1 MS.Trt_vs_MS.NoTrt_F
AHCYL1	0.11265	-0.3441	0.097	0.15	1 MS.Trt_vs_MS.NoTrt_F
ILF3	0.11266	0.2502	0.723	0.83	1 MS.Trt_vs_MS.NoTrt_F
PLPP6	0.1128	0.68361	0.094	0.14	1 MS.Trt_vs_MS.NoTrt_F

TNFSF8	0.11292	0.80483	0.151	0.22	1 MS.Trt_vs_MS.NoTrt_F
MCTP2	0.11316	0.91147	0.378	0.46	1 MS.Trt_vs_MS.NoTrt_F
AP2A1	0.1133	-0.4306	0.716	0.82	1 MS.Trt_vs_MS.NoTrt_F
NOL4L	0.11333	0.26699	0.511	0.69	1 MS.Trt_vs_MS.NoTrt_F
ALAS1	0.11348	-0.404	0.108	0.16	1 MS.Trt_vs_MS.NoTrt_F
COPB2	0.11366	-0.3599	0.896	0.96	1 MS.Trt_vs_MS.NoTrt_F
BTBD11	0.11391	0.7327	0.442	0.59	1 MS.Trt_vs_MS.NoTrt_F
ZCCHC8	0.11403	0.3768	0.853	0.88	1 MS.Trt_vs_MS.NoTrt_F
ALG6	0.11418	0.38316	0.183	0.26	1 MS.Trt_vs_MS.NoTrt_F
CLEC2D	0.11445	0.59717	0.827	0.88	1 MS.Trt_vs_MS.NoTrt_F
MCCC1	0.11456	-0.3233	0.493	0.58	1 MS.Trt_vs_MS.NoTrt_F
SLC38A6	0.11472	0.68779	0.561	0.67	1 MS.Trt_vs_MS.NoTrt_F
CENPA	0.11493	-0.2601	0.086	0.13	1 MS.Trt_vs_MS.NoTrt_F
WDR3	0.11505	-1.1051	0.741	0.79	1 MS.Trt_vs_MS.NoTrt_F
EI24	0.11528	0.42876	0.716	0.84	1 MS.Trt_vs_MS.NoTrt_F
RNF26	0.11546	1.59454	0.129	0.19	1 MS.Trt_vs_MS.NoTrt_F
POLR2E	0.11566	0.27771	0.583	0.66	1 MS.Trt_vs_MS.NoTrt_F
SCAF1	0.11568	0.2652	0.09	0.14	1 MS.Trt_vs_MS.NoTrt_F
MUM1	0.11576	0.25227	0.633	0.69	1 MS.Trt_vs_MS.NoTrt_F
TRIM39	0.11586	0.3571	0.165	0.23	1 MS.Trt_vs_MS.NoTrt_F
SRBD1	0.11604	1.10976	0.356	0.45	1 MS.Trt_vs_MS.NoTrt_F
FAM86B1	0.11608	-0.934	0.115	0.17	1 MS.Trt_vs_MS.NoTrt_F
PFDN4	0.11629	1.13048	0.119	0.18	1 MS.Trt_vs_MS.NoTrt_F
SC5D	0.1163	0.26257	0.583	0.63	1 MS.Trt_vs_MS.NoTrt_F
ARRB1	0.11662	0.54338	0.737	0.81	1 MS.Trt_vs_MS.NoTrt_F
CDK18	0.11684	-0.2872	0.205	0.27	1 MS.Trt_vs_MS.NoTrt_F
MCRIP1	0.11686	0.39887	0.41	0.48	1 MS.Trt_vs_MS.NoTrt_F
TANGO6	0.11692	-0.4566	0.763	0.83	1 MS.Trt_vs_MS.NoTrt_F
THUMPD2	0.1171	1.01253	0.417	0.5	1 MS.Trt_vs_MS.NoTrt_F
SKIL	0.11718	0.28106	0.374	0.47	1 MS.Trt_vs_MS.NoTrt_F
ALG5	0.11722	0.47662	0.478	0.38	1 MS.Trt_vs_MS.NoTrt_F
SNAP29	0.11722	-0.371	0.683	0.77	1 MS.Trt_vs_MS.NoTrt_F
SLC52A2	0.11734	-0.2557	0.068	0.11	1 MS.Trt_vs_MS.NoTrt_F
REL	0.11767	0.33188	0.96	0.97	1 MS.Trt_vs_MS.NoTrt_F
ANKHD1-EIF	0.11769	1.56874	0.079	0.13	1 MS.Trt_vs_MS.NoTrt_F
C15orf38-AF	0.11777	-0.3306	0.374	0.43	1 MS.Trt_vs_MS.NoTrt_F
LILRB3	0.11778	-0.7427	0.144	0.2	1 MS.Trt_vs_MS.NoTrt_F
BAG5	0.11817	-0.8469	0.331	0.4	1 MS.Trt_vs_MS.NoTrt_F
SLC7A5	0.11836	0.4701	0.133	0.19	1 MS.Trt_vs_MS.NoTrt_F
KLRG1	0.11839	0.80687	0.371	0.48	1 MS.Trt_vs_MS.NoTrt_F

B3GNTL1	0.11846	0.41757	0.288	0.35	1	MS.Trt_vs_MS.NoTrt_F
MS4A2	0.11861	0.3569	0.568	0.59	1	MS.Trt_vs_MS.NoTrt_F
SNX24	0.11871	0.63446	0.068	0.11	1	MS.Trt_vs_MS.NoTrt_F
TBC1D32	0.11872	0.70143	0.46	0.53	1	MS.Trt_vs_MS.NoTrt_F
RPS15	0.11894	0.29655	0.881	0.99	1	MS.Trt_vs_MS.NoTrt_F
DTX3L	0.11901	0.80694	0.658	0.79	1	MS.Trt_vs_MS.NoTrt_F
YIF1B	0.11916	0.36896	0.608	0.72	1	MS.Trt_vs_MS.NoTrt_F
GCNT4	0.11936	0.46273	0.439	0.57	1	MS.Trt_vs_MS.NoTrt_F
ABHD18	0.11974	0.33279	0.867	0.85	1	MS.Trt_vs_MS.NoTrt_F
CCDC102B	0.11977	0.2626	0.191	0.25	1	MS.Trt_vs_MS.NoTrt_F
NSMF	0.11998	1.94461	0.09	0.14	1	MS.Trt_vs_MS.NoTrt_F
CHD1L	0.12028	0.91063	0.14	0.2	1	MS.Trt_vs_MS.NoTrt_F
HGS	0.12035	0.40788	0.626	0.7	1	MS.Trt_vs_MS.NoTrt_F
SERPINF1	0.12051	0.31849	0.791	0.88	1	MS.Trt_vs_MS.NoTrt_F
ABCD4	0.12058	0.70877	0.799	0.83	1	MS.Trt_vs_MS.NoTrt_F
RP11-15H20	0.12061	-0.4463	0.151	0.21	1	MS.Trt_vs_MS.NoTrt_F
GOLGA6L9	0.12082	0.65689	0.068	0.11	1	MS.Trt_vs_MS.NoTrt_F
NKIRAS2	0.12086	0.92444	0.835	0.86	1	MS.Trt_vs_MS.NoTrt_F
HLA-DOA	0.121	-0.9882	0.604	0.67	1	MS.Trt_vs_MS.NoTrt_F
POU2F1	0.12137	0.2936	0.399	0.48	1	MS.Trt_vs_MS.NoTrt_F
LY75-CD302	0.12149	1.76879	0.097	0.15	1	MS.Trt_vs_MS.NoTrt_F
DCAF17	0.12166	-0.5611	0.381	0.45	1	MS.Trt_vs_MS.NoTrt_F
ATP5SL	0.12169	-0.3109	0.504	0.59	1	MS.Trt_vs_MS.NoTrt_F
RAI14	0.12181	0.38465	0.101	0.15	1	MS.Trt_vs_MS.NoTrt_F
RPS25	0.12222	0.25441	0.694	0.91	1	MS.Trt_vs_MS.NoTrt_F
HIST1H4I	0.12226	-0.8774	0.068	0.11	1	MS.Trt_vs_MS.NoTrt_F
WDR75	0.12239	-0.2946	0.353	0.43	1	MS.Trt_vs_MS.NoTrt_F
PTCD1	0.12278	-0.5225	0.633	0.69	1	MS.Trt_vs_MS.NoTrt_F
DNAJB7	0.12281	0.31441	0.227	0.31	1	MS.Trt_vs_MS.NoTrt_F
STK16	0.12295	0.29319	0.115	0.17	1	MS.Trt_vs_MS.NoTrt_F
BCS1L	0.12295	0.7529	0.108	0.16	1	MS.Trt_vs_MS.NoTrt_F
NOM1	0.12303	-0.9726	0.619	0.69	1	MS.Trt_vs_MS.NoTrt_F
TTC22	0.12305	-1.1038	0.432	0.52	1	MS.Trt_vs_MS.NoTrt_F
MAP2K2	0.1232	0.88811	0.705	0.78	1	MS.Trt_vs_MS.NoTrt_F
ATP5H	0.12322	0.55376	0.748	0.81	1	MS.Trt_vs_MS.NoTrt_F
CNOT9	0.12339	0.34911	0.752	0.84	1	MS.Trt_vs_MS.NoTrt_F
GIN1	0.12345	0.49762	0.367	0.46	1	MS.Trt_vs_MS.NoTrt_F
SLC35A5	0.12356	0.4565	0.489	0.56	1	MS.Trt_vs_MS.NoTrt_F
TMEM177	0.12356	0.2958	0.072	0.12	1	MS.Trt_vs_MS.NoTrt_F
TCEA3	0.12357	1.43443	0.076	0.12	1	MS.Trt_vs_MS.NoTrt_F

TXNL4B	0.1236	0.33732	0.353	0.43	1	MS.Trt_vs_MS.NoTrt_F
SMTN	0.12377	0.76227	0.399	0.32	1	MS.Trt_vs_MS.NoTrt_F
KLB	0.12379	0.26511	0.777	0.76	1	MS.Trt_vs_MS.NoTrt_F
SEC13	0.12395	0.41802	0.187	0.26	1	MS.Trt_vs_MS.NoTrt_F
NT5DC3	0.12404	0.57976	0.827	0.83	1	MS.Trt_vs_MS.NoTrt_F
NDUFB9	0.12448	0.37122	0.237	0.32	1	MS.Trt_vs_MS.NoTrt_F
PASK	0.12481	-0.265	0.586	0.65	1	MS.Trt_vs_MS.NoTrt_F
TTC7A	0.12488	0.4138	0.223	0.3	1	MS.Trt_vs_MS.NoTrt_F
COQ2	0.12497	-0.5475	0.065	0.11	1	MS.Trt_vs_MS.NoTrt_F
DNAJA4	0.12506	0.4198	0.176	0.24	1	MS.Trt_vs_MS.NoTrt_F
ANAPC16	0.12507	0.29811	0.946	0.97	1	MS.Trt_vs_MS.NoTrt_F
HERPUD1	0.12515	0.28352	0.745	0.78	1	MS.Trt_vs_MS.NoTrt_F
BRIP1	0.12517	-0.4998	0.809	0.87	1	MS.Trt_vs_MS.NoTrt_F
SLC2A11	0.12527	-0.2592	0.863	0.83	1	MS.Trt_vs_MS.NoTrt_F
SMURF1	0.12528	0.3072	0.191	0.27	1	MS.Trt_vs_MS.NoTrt_F
MT1X	0.12529	0.33177	0.155	0.22	1	MS.Trt_vs_MS.NoTrt_F
NDUFB7	0.12531	0.84694	0.245	0.35	1	MS.Trt_vs_MS.NoTrt_F
CDV3	0.12535	0.71572	0.263	0.36	1	MS.Trt_vs_MS.NoTrt_F
ENTPD7	0.12549	-0.4935	0.353	0.44	1	MS.Trt_vs_MS.NoTrt_F
ZNF28	0.12549	0.82214	0.777	0.87	1	MS.Trt_vs_MS.NoTrt_F
CDCA7L	0.12573	0.53724	0.108	0.16	1	MS.Trt_vs_MS.NoTrt_F
KLHL21	0.12575	-0.3032	0.727	0.81	1	MS.Trt_vs_MS.NoTrt_F
NR1D2	0.12604	0.50639	0.173	0.24	1	MS.Trt_vs_MS.NoTrt_F
NR2C2AP	0.12639	0.54625	0.122	0.18	1	MS.Trt_vs_MS.NoTrt_F
UQCC3	0.12642	0.8418	0.428	0.5	1	MS.Trt_vs_MS.NoTrt_F
HCCS	0.12649	1.34812	0.097	0.15	1	MS.Trt_vs_MS.NoTrt_F
TIPRL	0.12652	0.3235	0.302	0.37	1	MS.Trt_vs_MS.NoTrt_F
GOLGA7B	0.12653	0.82253	0.086	0.13	1	MS.Trt_vs_MS.NoTrt_F
CROCC	0.12654	0.29535	0.554	0.48	1	MS.Trt_vs_MS.NoTrt_F
CAMK2N1	0.12672	-0.5323	0.108	0.16	1	MS.Trt_vs_MS.NoTrt_F
TMEM126B	0.12693	0.80322	0.205	0.27	1	MS.Trt_vs_MS.NoTrt_F
RAB21	0.12694	0.27976	0.968	0.98	1	MS.Trt_vs_MS.NoTrt_F
ZKSCAN1	0.12702	0.4047	0.96	0.96	1	MS.Trt_vs_MS.NoTrt_F
RPS6KA2	0.12712	0.88752	0.104	0.16	1	MS.Trt_vs_MS.NoTrt_F
ZACN	0.12719	0.70674	0.086	0.13	1	MS.Trt_vs_MS.NoTrt_F
DUSP7	0.12734	0.58847	0.147	0.21	1	MS.Trt_vs_MS.NoTrt_F
IL27RA	0.12772	0.61846	0.385	0.49	1	MS.Trt_vs_MS.NoTrt_F
TBC1D9B	0.12782	0.65684	0.446	0.55	1	MS.Trt_vs_MS.NoTrt_F
MT-ND5	0.12798	0.47546	0.813	0.88	1	MS.Trt_vs_MS.NoTrt_F
NFAT5	0.12798	-0.5367	0.838	0.89	1	MS.Trt_vs_MS.NoTrt_F

ACTL6A	0.12838	0.35332	0.259	0.34	1	MS.Trt_vs_MS.NoTrt_F
LAP3	0.12853	0.71574	0.18	0.25	1	MS.Trt_vs_MS.NoTrt_F
DPH6	0.12853	0.47233	0.363	0.45	1	MS.Trt_vs_MS.NoTrt_F
RAP1GDS1	0.12857	0.60704	0.363	0.5	1	MS.Trt_vs_MS.NoTrt_F
BCL2L14	0.12868	0.29407	0.716	0.7	1	MS.Trt_vs_MS.NoTrt_F
PRG4	0.12871	-0.3045	0.065	0.11	1	MS.Trt_vs_MS.NoTrt_F
MKL2	0.12875	-0.8305	0.705	0.8	1	MS.Trt_vs_MS.NoTrt_F
SPTBN1	0.12907	0.36837	0.288	0.38	1	MS.Trt_vs_MS.NoTrt_F
TESPA1	0.1291	0.56381	0.41	0.52	1	MS.Trt_vs_MS.NoTrt_F
FREM2	0.12919	0.26664	0.673	0.62	1	MS.Trt_vs_MS.NoTrt_F
DTD1	0.12946	-0.7673	0.349	0.4	1	MS.Trt_vs_MS.NoTrt_F
TMED3	0.12947	0.35269	0.558	0.65	1	MS.Trt_vs_MS.NoTrt_F
PAQR8	0.12953	0.75721	0.514	0.61	1	MS.Trt_vs_MS.NoTrt_F
KSR2	0.12954	-0.5572	0.237	0.3	1	MS.Trt_vs_MS.NoTrt_F
COA1	0.13013	0.49541	0.748	0.87	1	MS.Trt_vs_MS.NoTrt_F
TGFBR1	0.1302	1.52705	0.122	0.18	1	MS.Trt_vs_MS.NoTrt_F
FAM20A	0.13025	-0.7874	0.18	0.24	1	MS.Trt_vs_MS.NoTrt_F
SHC1	0.13039	0.34239	0.601	0.67	1	MS.Trt_vs_MS.NoTrt_F
CUL3	0.13078	0.28585	0.309	0.4	1	MS.Trt_vs_MS.NoTrt_F
MAEA	0.13111	-0.2943	0.633	0.71	1	MS.Trt_vs_MS.NoTrt_F
WBP4	0.13135	0.88056	0.112	0.17	1	MS.Trt_vs_MS.NoTrt_F
FAM193B	0.13198	0.45668	0.471	0.56	1	MS.Trt_vs_MS.NoTrt_F
SURF4	0.13212	0.54582	0.317	0.44	1	MS.Trt_vs_MS.NoTrt_F
APBA1	0.13214	-1.1791	0.385	0.45	1	MS.Trt_vs_MS.NoTrt_F
NEK6	0.13232	0.96095	0.119	0.18	1	MS.Trt_vs_MS.NoTrt_F
PYGO1	0.13238	0.33801	0.381	0.34	1	MS.Trt_vs_MS.NoTrt_F
GANC	0.13249	0.83716	0.647	0.7	1	MS.Trt_vs_MS.NoTrt_F
EXD3	0.13259	0.26464	0.478	0.56	1	MS.Trt_vs_MS.NoTrt_F
MYBL1	0.13263	0.5731	0.065	0.11	1	MS.Trt_vs_MS.NoTrt_F
FANCG	0.13268	0.59398	0.104	0.16	1	MS.Trt_vs_MS.NoTrt_F
SDF2L1	0.13319	0.56493	0.173	0.24	1	MS.Trt_vs_MS.NoTrt_F
RNF180	0.13323	0.66879	0.306	0.4	1	MS.Trt_vs_MS.NoTrt_F
NSMCE4A	0.13357	0.47917	0.349	0.42	1	MS.Trt_vs_MS.NoTrt_F
ST13	0.13376	0.51747	0.345	0.44	1	MS.Trt_vs_MS.NoTrt_F
DPAGT1	0.13408	-0.5963	0.112	0.16	1	MS.Trt_vs_MS.NoTrt_F
SGSM2	0.13422	0.26637	0.263	0.33	1	MS.Trt_vs_MS.NoTrt_F
PPAT	0.13433	1.64413	0.281	0.34	1	MS.Trt_vs_MS.NoTrt_F
TFDP2	0.13435	0.6306	0.932	0.94	1	MS.Trt_vs_MS.NoTrt_F
NEDD8	0.13447	0.40985	0.788	0.88	1	MS.Trt_vs_MS.NoTrt_F
DNAJC16	0.13456	0.44881	0.723	0.82	1	MS.Trt_vs_MS.NoTrt_F



PHKB	0.1347	-0.4648	0.694	0.77	1 MS.Trt_vs_MS.NoTrt_F
FRS2	0.13495	-0.36	0.129	0.18	1 MS.Trt_vs_MS.NoTrt_F
EPN2	0.13505	0.47975	0.835	0.9	1 MS.Trt_vs_MS.NoTrt_F
MSI2	0.13506	-0.5548	0.863	0.91	1 MS.Trt_vs_MS.NoTrt_F
VPS29	0.13519	0.57559	0.482	0.56	1 MS.Trt_vs_MS.NoTrt_F
GID4	0.13521	-0.422	0.673	0.67	1 MS.Trt_vs_MS.NoTrt_F
TSSC4	0.13525	0.26061	0.191	0.26	1 MS.Trt_vs_MS.NoTrt_F
LHFP	0.13536	0.75673	0.173	0.23	1 MS.Trt_vs_MS.NoTrt_F
PRR14	0.13539	0.35898	0.158	0.22	1 MS.Trt_vs_MS.NoTrt_F
UHRF1BP1L	0.1354	-0.8153	0.41	0.47	1 MS.Trt_vs_MS.NoTrt_F
APOBR	0.13559	0.57508	0.165	0.23	1 MS.Trt_vs_MS.NoTrt_F
RP11-894J14	0.13573	-0.5906	0.14	0.19	1 MS.Trt_vs_MS.NoTrt_F
DHRS11	0.1359	-0.4056	0.291	0.37	1 MS.Trt_vs_MS.NoTrt_F
XKR9	0.13598	0.35572	0.522	0.62	1 MS.Trt_vs_MS.NoTrt_F
GAB1	0.13604	0.54534	0.471	0.6	1 MS.Trt_vs_MS.NoTrt_F
C11orf1	0.13605	0.34732	0.799	0.82	1 MS.Trt_vs_MS.NoTrt_F
WDR73	0.13617	0.50662	0.968	0.98	1 MS.Trt_vs_MS.NoTrt_F
TLE3	0.13619	1.1304	0.234	0.34	1 MS.Trt_vs_MS.NoTrt_F
XYLT1	0.13635	-0.3846	0.144	0.2	1 MS.Trt_vs_MS.NoTrt_F
SPATA7	0.13636	0.51759	0.295	0.37	1 MS.Trt_vs_MS.NoTrt_F
UBL4A	0.13637	0.75264	0.122	0.18	1 MS.Trt_vs_MS.NoTrt_F
RHOC	0.1364	0.42624	0.155	0.22	1 MS.Trt_vs_MS.NoTrt_F
NPIPA5	0.13641	-0.3542	0.112	0.16	1 MS.Trt_vs_MS.NoTrt_F
MTF2	0.13656	0.32246	0.302	0.38	1 MS.Trt_vs_MS.NoTrt_F
CWC25	0.13659	0.34545	0.396	0.46	1 MS.Trt_vs_MS.NoTrt_F
SERTAD1	0.13667	0.6585	0.367	0.45	1 MS.Trt_vs_MS.NoTrt_F
DUSP14	0.13682	0.99324	0.086	0.13	1 MS.Trt_vs_MS.NoTrt_F
MVD	0.13696	0.63193	0.5	0.58	1 MS.Trt_vs_MS.NoTrt_F
NPIP3	0.13704	0.72163	0.662	0.83	1 MS.Trt_vs_MS.NoTrt_F
FAM213A	0.1371	0.56011	0.773	0.87	1 MS.Trt_vs_MS.NoTrt_F
UBA2	0.13735	-0.533	0.568	0.62	1 MS.Trt_vs_MS.NoTrt_F
PPP1R13B	0.13736	-0.3619	0.468	0.57	1 MS.Trt_vs_MS.NoTrt_F
TCIRG1	0.13736	0.39733	0.331	0.45	1 MS.Trt_vs_MS.NoTrt_F
CTSK	0.13743	1.40779	0.068	0.11	1 MS.Trt_vs_MS.NoTrt_F
CD101	0.1376	1.0392	0.104	0.16	1 MS.Trt_vs_MS.NoTrt_F
TRIM16L	0.13773	0.29687	0.777	0.8	1 MS.Trt_vs_MS.NoTrt_F
TBPL2	0.13782	0.29277	0.097	0.14	1 MS.Trt_vs_MS.NoTrt_F
MMACHC	0.13803	0.27154	0.906	0.89	1 MS.Trt_vs_MS.NoTrt_F
NBPF20	0.13825	0.70506	0.335	0.41	1 MS.Trt_vs_MS.NoTrt_F
METTTL17	0.13832	0.54895	0.629	0.73	1 MS.Trt_vs_MS.NoTrt_F

ATP8A1	0.13885	0.74496	0.165	0.23	1	MS.Trt_vs_MS.NoTrt_F
CTDSP2	0.13888	0.28571	0.191	0.27	1	MS.Trt_vs_MS.NoTrt_F
PTPN23	0.13903	0.33656	0.144	0.2	1	MS.Trt_vs_MS.NoTrt_F
ZNF561	0.13926	0.84864	0.514	0.61	1	MS.Trt_vs_MS.NoTrt_F
FBXL17	0.13932	-1.484	0.237	0.3	1	MS.Trt_vs_MS.NoTrt_F
PINK1	0.13954	0.25221	0.255	0.33	1	MS.Trt_vs_MS.NoTrt_F
CTD-3105H1	0.13957	-0.5171	0.306	0.4	1	MS.Trt_vs_MS.NoTrt_F
KIAA1462	0.14022	-0.3227	0.216	0.28	1	MS.Trt_vs_MS.NoTrt_F
C11orf57	0.1408	-0.4697	0.745	0.8	1	MS.Trt_vs_MS.NoTrt_F
SOCS2	0.141	0.43668	0.468	0.38	1	MS.Trt_vs_MS.NoTrt_F
GALNT3	0.14107	0.75569	0.108	0.16	1	MS.Trt_vs_MS.NoTrt_F
PANK2	0.1411	-0.2787	0.522	0.56	1	MS.Trt_vs_MS.NoTrt_F
GEMIN8	0.14128	0.26824	0.086	0.13	1	MS.Trt_vs_MS.NoTrt_F
SLC25A11	0.14148	0.34817	0.183	0.25	1	MS.Trt_vs_MS.NoTrt_F
ITGB4	0.14166	0.88325	0.252	0.33	1	MS.Trt_vs_MS.NoTrt_F
LETM1	0.14179	0.62208	0.888	0.87	1	MS.Trt_vs_MS.NoTrt_F
PBX3	0.14202	0.27383	0.086	0.13	1	MS.Trt_vs_MS.NoTrt_F
RNF220	0.14208	0.3583	0.601	0.73	1	MS.Trt_vs_MS.NoTrt_F
KNOP1	0.14235	0.34855	0.705	0.77	1	MS.Trt_vs_MS.NoTrt_F
NFKBID	0.14249	0.85343	0.532	0.64	1	MS.Trt_vs_MS.NoTrt_F
CES4A	0.14289	-0.5286	0.597	0.53	1	MS.Trt_vs_MS.NoTrt_F
SYCP2	0.14294	0.59983	0.083	0.13	1	MS.Trt_vs_MS.NoTrt_F
BTBD7	0.14299	0.61566	0.788	0.77	1	MS.Trt_vs_MS.NoTrt_F
AKAP5	0.14309	-0.4031	0.655	0.69	1	MS.Trt_vs_MS.NoTrt_F
SGCB	0.14335	0.51528	0.302	0.37	1	MS.Trt_vs_MS.NoTrt_F
ZNF691	0.1434	0.31361	0.083	0.13	1	MS.Trt_vs_MS.NoTrt_F
BICDL1	0.14344	-0.5107	0.583	0.66	1	MS.Trt_vs_MS.NoTrt_F
NFU1	0.14355	-0.4089	0.169	0.23	1	MS.Trt_vs_MS.NoTrt_F
CARMIL1	0.14411	0.70476	0.259	0.32	1	MS.Trt_vs_MS.NoTrt_F
GTF2H1	0.14411	-0.5608	0.414	0.48	1	MS.Trt_vs_MS.NoTrt_F
VPS39	0.14435	0.34328	0.493	0.56	1	MS.Trt_vs_MS.NoTrt_F
KPNA4	0.1445	0.30009	0.59	0.69	1	MS.Trt_vs_MS.NoTrt_F
CD40	0.1448	-0.7744	0.151	0.21	1	MS.Trt_vs_MS.NoTrt_F
SNUPN	0.14481	0.46549	0.791	0.92	1	MS.Trt_vs_MS.NoTrt_F
COMMD2	0.14482	0.86873	0.345	0.44	1	MS.Trt_vs_MS.NoTrt_F
TOR1B	0.14486	0.6575	0.255	0.32	1	MS.Trt_vs_MS.NoTrt_F
ITGA2	0.14486	-0.5267	0.392	0.45	1	MS.Trt_vs_MS.NoTrt_F
SEC61A1	0.14504	0.6097	0.396	0.5	1	MS.Trt_vs_MS.NoTrt_F
ADH5	0.14516	0.49747	0.453	0.53	1	MS.Trt_vs_MS.NoTrt_F
ZNF30	0.14544	1.66072	0.101	0.15	1	MS.Trt_vs_MS.NoTrt_F

ZNF557	0.14549	0.47854	0.867	0.91	1	MS.Trt_vs_MS.NoTrt_F
MSH3	0.14575	-0.4716	0.45	0.51	1	MS.Trt_vs_MS.NoTrt_F
PLA2G4B	0.1459	0.79866	0.468	0.54	1	MS.Trt_vs_MS.NoTrt_F
CTC-454I21.	0.14593	0.44844	0.205	0.28	1	MS.Trt_vs_MS.NoTrt_F
TRNAU1AP	0.14614	-0.3925	0.878	0.92	1	MS.Trt_vs_MS.NoTrt_F
DHRS4L2	0.1462	0.60045	0.212	0.29	1	MS.Trt_vs_MS.NoTrt_F
SIK3	0.14641	0.41947	0.313	0.39	1	MS.Trt_vs_MS.NoTrt_F
ERCC8	0.14662	0.5791	0.356	0.44	1	MS.Trt_vs_MS.NoTrt_F
HIST1H1D	0.1467	0.55101	0.104	0.16	1	MS.Trt_vs_MS.NoTrt_F
ZCCHC7	0.14674	0.28082	0.302	0.39	1	MS.Trt_vs_MS.NoTrt_F
ZNF763	0.14744	1.29418	0.183	0.24	1	MS.Trt_vs_MS.NoTrt_F
ACACA	0.14755	-0.9173	0.586	0.68	1	MS.Trt_vs_MS.NoTrt_F
TRMT1	0.14766	0.44548	0.169	0.23	1	MS.Trt_vs_MS.NoTrt_F
HIF1AN	0.1477	0.68572	0.806	0.87	1	MS.Trt_vs_MS.NoTrt_F
NARFL	0.14775	0.50501	0.759	0.83	1	MS.Trt_vs_MS.NoTrt_F
TMEM199	0.14819	-0.5753	0.658	0.7	1	MS.Trt_vs_MS.NoTrt_F
C19orf48	0.14832	-0.4335	0.374	0.44	1	MS.Trt_vs_MS.NoTrt_F
BFSP2	0.14835	0.58069	0.083	0.13	1	MS.Trt_vs_MS.NoTrt_F
PTGER2	0.14837	0.64774	0.219	0.29	1	MS.Trt_vs_MS.NoTrt_F
LAMC3	0.14846	1.66325	0.302	0.39	1	MS.Trt_vs_MS.NoTrt_F
NRIP2	0.14853	0.50971	0.331	0.4	1	MS.Trt_vs_MS.NoTrt_F
RNF144A	0.14861	1.67869	0.191	0.25	1	MS.Trt_vs_MS.NoTrt_F
MAP3K3	0.14868	0.84778	0.137	0.2	1	MS.Trt_vs_MS.NoTrt_F
HNRNPUL1	0.14878	-0.6477	0.662	0.7	1	MS.Trt_vs_MS.NoTrt_F
MRPL30	0.14896	-0.7331	0.755	0.88	1	MS.Trt_vs_MS.NoTrt_F
PNPLA4	0.14919	0.42767	0.252	0.33	1	MS.Trt_vs_MS.NoTrt_F
IRAK1BP1	0.14929	-0.5193	0.608	0.7	1	MS.Trt_vs_MS.NoTrt_F
CTD-2192J10	0.14959	0.41033	0.194	0.26	1	MS.Trt_vs_MS.NoTrt_F
SCARB2	0.14965	0.62165	0.324	0.4	1	MS.Trt_vs_MS.NoTrt_F
LIMS2	0.14988	1.21006	0.083	0.13	1	MS.Trt_vs_MS.NoTrt_F
MRPS15	0.15009	-0.2892	0.572	0.62	1	MS.Trt_vs_MS.NoTrt_F
CDON	0.15024	-0.3211	0.464	0.54	1	MS.Trt_vs_MS.NoTrt_F
LENG1	0.15028	0.61016	0.133	0.19	1	MS.Trt_vs_MS.NoTrt_F
SEZ6	0.15041	1.13469	0.112	0.16	1	MS.Trt_vs_MS.NoTrt_F
E2F5	0.15044	0.45782	0.403	0.46	1	MS.Trt_vs_MS.NoTrt_F
RPP21	0.15068	0.77513	0.183	0.25	1	MS.Trt_vs_MS.NoTrt_F
LRP2BP	0.15073	-0.6082	0.421	0.49	1	MS.Trt_vs_MS.NoTrt_F
METTL3	0.15077	0.47586	0.604	0.66	1	MS.Trt_vs_MS.NoTrt_F
DNASE2	0.15086	0.52913	0.453	0.54	1	MS.Trt_vs_MS.NoTrt_F
RUFY2	0.15106	0.59324	0.475	0.55	1	MS.Trt_vs_MS.NoTrt_F

S1PR1	0.15107	0.47279	0.432	0.6	1 MS.Trt_vs_MS.NoTrt_F
TSC2	0.15109	-0.2964	0.662	0.74	1 MS.Trt_vs_MS.NoTrt_F
THBS1	0.15123	-1.1012	0.248	0.3	1 MS.Trt_vs_MS.NoTrt_F
ZNF425	0.15166	-0.8044	0.439	0.51	1 MS.Trt_vs_MS.NoTrt_F
TIMM9	0.15168	1.0865	0.09	0.14	1 MS.Trt_vs_MS.NoTrt_F
DOCK9	0.15177	0.4375	0.302	0.37	1 MS.Trt_vs_MS.NoTrt_F
MBD4	0.15209	0.61607	0.259	0.33	1 MS.Trt_vs_MS.NoTrt_F
GCNT2	0.15229	0.27686	0.745	0.7	1 MS.Trt_vs_MS.NoTrt_F
GALNT1	0.15238	2.50247	0.101	0.15	1 MS.Trt_vs_MS.NoTrt_F
CACFD1	0.15285	0.64303	0.079	0.12	1 MS.Trt_vs_MS.NoTrt_F
DDX27	0.15308	0.29319	0.644	0.72	1 MS.Trt_vs_MS.NoTrt_F
ZNF33B	0.15313	0.92889	0.507	0.45	1 MS.Trt_vs_MS.NoTrt_F
MED24	0.15319	-1.0169	0.608	0.64	1 MS.Trt_vs_MS.NoTrt_F
ZBTB41	0.15499	1.34278	0.083	0.13	1 MS.Trt_vs_MS.NoTrt_F
SNRNP200	0.15549	0.51598	0.759	0.83	1 MS.Trt_vs_MS.NoTrt_F
RBMXL1	0.15557	-0.7049	0.129	0.18	1 MS.Trt_vs_MS.NoTrt_F
SLC39A3	0.1558	0.45546	0.576	0.68	1 MS.Trt_vs_MS.NoTrt_F
GBP4	0.15592	-0.3632	0.723	0.78	1 MS.Trt_vs_MS.NoTrt_F
NCR3	0.15594	0.91889	0.115	0.17	1 MS.Trt_vs_MS.NoTrt_F
SULT1A3	0.15597	0.38803	0.629	0.73	1 MS.Trt_vs_MS.NoTrt_F
GSDMD	0.1561	0.25019	0.802	0.86	1 MS.Trt_vs_MS.NoTrt_F
RNFT1	0.15612	0.74032	0.388	0.45	1 MS.Trt_vs_MS.NoTrt_F
AGO1	0.15647	0.27141	0.442	0.53	1 MS.Trt_vs_MS.NoTrt_F
MT-CYB	0.15692	0.54466	0.719	0.79	1 MS.Trt_vs_MS.NoTrt_F
QRICH2	0.15718	0.47053	0.198	0.27	1 MS.Trt_vs_MS.NoTrt_F
DYDC1	0.15722	-0.3512	0.489	0.58	1 MS.Trt_vs_MS.NoTrt_F
PPM1N	0.15725	0.6614	0.137	0.19	1 MS.Trt_vs_MS.NoTrt_F
MBTPS2	0.15737	-0.5993	0.32	0.38	1 MS.Trt_vs_MS.NoTrt_F
C19orf52	0.15748	0.45695	0.313	0.38	1 MS.Trt_vs_MS.NoTrt_F
ANKRD42	0.15752	-0.5488	0.388	0.48	1 MS.Trt_vs_MS.NoTrt_F
UBE2V1	0.15762	0.48569	0.424	0.54	1 MS.Trt_vs_MS.NoTrt_F
RAE1	0.15782	1.06477	0.133	0.19	1 MS.Trt_vs_MS.NoTrt_F
LRMP	0.15791	0.3296	0.122	0.18	1 MS.Trt_vs_MS.NoTrt_F
DET1	0.15806	0.3452	0.543	0.59	1 MS.Trt_vs_MS.NoTrt_F
KLHL2	0.15813	1.21009	0.335	0.39	1 MS.Trt_vs_MS.NoTrt_F
PIGP	0.15815	-0.4751	0.781	0.81	1 MS.Trt_vs_MS.NoTrt_F
LIX1L	0.1584	0.36107	0.824	0.79	1 MS.Trt_vs_MS.NoTrt_F
ICE2	0.1585	-0.4278	0.842	0.85	1 MS.Trt_vs_MS.NoTrt_F
RFX2	0.1585	0.63324	0.475	0.53	1 MS.Trt_vs_MS.NoTrt_F
ZNF652	0.15853	0.51478	0.532	0.61	1 MS.Trt_vs_MS.NoTrt_F

ATG12	0.15864	0.39746	0.77	0.82	1	MS.Trt_vs_MS.NoTrt_F
DRAXIN	0.15883	0.33145	0.835	0.85	1	MS.Trt_vs_MS.NoTrt_F
VAT1	0.15888	0.5274	0.137	0.19	1	MS.Trt_vs_MS.NoTrt_F
SLX4	0.15903	-0.7355	0.496	0.56	1	MS.Trt_vs_MS.NoTrt_F
TMEM256-P	0.15905	0.79887	0.489	0.53	1	MS.Trt_vs_MS.NoTrt_F
NANS	0.15925	0.67926	0.766	0.81	1	MS.Trt_vs_MS.NoTrt_F
LLGL1	0.15926	-0.7956	0.295	0.35	1	MS.Trt_vs_MS.NoTrt_F
USP6	0.15974	-0.3633	0.147	0.2	1	MS.Trt_vs_MS.NoTrt_F
POLR3H	0.15993	-0.4657	0.295	0.35	1	MS.Trt_vs_MS.NoTrt_F
FASTKD3	0.16001	0.82828	0.104	0.15	1	MS.Trt_vs_MS.NoTrt_F
RARS	0.16013	0.34531	0.493	0.54	1	MS.Trt_vs_MS.NoTrt_F
BRI3	0.16016	0.37968	0.928	0.91	1	MS.Trt_vs_MS.NoTrt_F
PPP2R3A	0.16028	0.28023	0.705	0.81	1	MS.Trt_vs_MS.NoTrt_F
C19orf44	0.16033	-0.6669	0.349	0.43	1	MS.Trt_vs_MS.NoTrt_F
PPP3CA	0.16036	0.64669	0.561	0.69	1	MS.Trt_vs_MS.NoTrt_F
PKD1	0.16058	-0.6955	0.353	0.43	1	MS.Trt_vs_MS.NoTrt_F
WBP11	0.16067	0.38926	0.299	0.39	1	MS.Trt_vs_MS.NoTrt_F
PGAP2	0.16088	0.91981	0.094	0.14	1	MS.Trt_vs_MS.NoTrt_F
MOB3A	0.16105	0.32591	0.835	0.86	1	MS.Trt_vs_MS.NoTrt_F
TEX14	0.1613	1.5643	0.112	0.16	1	MS.Trt_vs_MS.NoTrt_F
COQ6	0.16161	0.39234	0.755	0.75	1	MS.Trt_vs_MS.NoTrt_F
SSBP1	0.16215	0.51363	0.687	0.75	1	MS.Trt_vs_MS.NoTrt_F
YIPF1	0.16228	1.77272	0.112	0.16	1	MS.Trt_vs_MS.NoTrt_F
SAP30BP	0.16231	0.36545	0.234	0.31	1	MS.Trt_vs_MS.NoTrt_F
NECAB1	0.16264	0.26608	0.144	0.19	1	MS.Trt_vs_MS.NoTrt_F
SPA17	0.16372	0.29865	0.252	0.32	1	MS.Trt_vs_MS.NoTrt_F
USP33	0.16384	0.76451	0.867	0.95	1	MS.Trt_vs_MS.NoTrt_F
AP5B1	0.16411	-1.0033	0.288	0.37	1	MS.Trt_vs_MS.NoTrt_F
SLC16A3	0.16421	0.55849	0.622	0.55	1	MS.Trt_vs_MS.NoTrt_F
CWF19L2	0.16425	0.27452	0.299	0.38	1	MS.Trt_vs_MS.NoTrt_F
SIRT5	0.16463	0.31494	0.791	0.86	1	MS.Trt_vs_MS.NoTrt_F
TMEM185B	0.16501	-1.5171	0.338	0.39	1	MS.Trt_vs_MS.NoTrt_F
CFL2	0.16509	0.3196	0.626	0.74	1	MS.Trt_vs_MS.NoTrt_F
GPATCH2	0.1651	0.98805	0.604	0.5	1	MS.Trt_vs_MS.NoTrt_F
CCDC18	0.16576	0.2649	0.198	0.26	1	MS.Trt_vs_MS.NoTrt_F
GDE1	0.16581	-0.9378	0.277	0.34	1	MS.Trt_vs_MS.NoTrt_F
COPS6	0.16591	0.60757	0.723	0.66	1	MS.Trt_vs_MS.NoTrt_F
SUMO4	0.16636	0.68562	0.068	0.11	1	MS.Trt_vs_MS.NoTrt_F
ZNF845	0.16695	0.82552	0.651	0.59	1	MS.Trt_vs_MS.NoTrt_F
SLC35C1	0.16706	0.79963	0.09	0.13	1	MS.Trt_vs_MS.NoTrt_F

CARD10	0.16716	0.30626	0.108	0.16	1	MS.Trt_vs_MS.NoTrt_F
MRFAP1	0.16751	0.4519	0.338	0.41	1	MS.Trt_vs_MS.NoTrt_F
MS4A6A	0.16752	0.38535	0.176	0.23	1	MS.Trt_vs_MS.NoTrt_F
DGKQ	0.16772	2.2955	0.094	0.14	1	MS.Trt_vs_MS.NoTrt_F
ADAT1	0.16829	-0.6799	0.705	0.73	1	MS.Trt_vs_MS.NoTrt_F
TBL3	0.16842	0.57097	0.27	0.34	1	MS.Trt_vs_MS.NoTrt_F
WNT9A	0.16856	0.50362	0.108	0.15	1	MS.Trt_vs_MS.NoTrt_F
DUSP3	0.16871	-0.3577	0.77	0.69	1	MS.Trt_vs_MS.NoTrt_F
ANXA4	0.16902	0.58897	0.86	0.81	1	MS.Trt_vs_MS.NoTrt_F
RP11-43511C	0.16922	-0.427	0.36	0.45	1	MS.Trt_vs_MS.NoTrt_F
HEMK1	0.16929	0.72746	0.96	0.97	1	MS.Trt_vs_MS.NoTrt_F
SGF29	0.16967	0.61866	0.309	0.37	1	MS.Trt_vs_MS.NoTrt_F
MDFC	0.16972	-0.5785	0.356	0.41	1	MS.Trt_vs_MS.NoTrt_F
MRM2	0.17024	0.36011	0.32	0.39	1	MS.Trt_vs_MS.NoTrt_F
NSUN4	0.17043	0.27108	0.73	0.81	1	MS.Trt_vs_MS.NoTrt_F
ZNF2	0.17054	0.9067	0.313	0.38	1	MS.Trt_vs_MS.NoTrt_F
TMEM260	0.17075	-0.5258	0.374	0.45	1	MS.Trt_vs_MS.NoTrt_F
TRPV1	0.17078	0.48348	0.446	0.54	1	MS.Trt_vs_MS.NoTrt_F
PLEKHM2	0.17088	-0.72	0.068	0.11	1	MS.Trt_vs_MS.NoTrt_F
PDCL3	0.17113	0.73249	0.147	0.21	1	MS.Trt_vs_MS.NoTrt_F
SSB	0.17118	0.56778	0.727	0.83	1	MS.Trt_vs_MS.NoTrt_F
LPAR5	0.17118	1.93722	0.097	0.14	1	MS.Trt_vs_MS.NoTrt_F
GSTT1	0.1713	0.66542	0.687	0.81	1	MS.Trt_vs_MS.NoTrt_F
FBXO25	0.17143	0.76357	0.356	0.41	1	MS.Trt_vs_MS.NoTrt_F
KIAA1683	0.17147	-0.3129	0.604	0.67	1	MS.Trt_vs_MS.NoTrt_F
SMAD5	0.17166	0.65285	0.471	0.45	1	MS.Trt_vs_MS.NoTrt_F
DNAH6	0.17175	0.56114	0.219	0.29	1	MS.Trt_vs_MS.NoTrt_F
SERP1	0.17186	0.60313	0.594	0.71	1	MS.Trt_vs_MS.NoTrt_F
EDEM1	0.17188	1.01743	0.317	0.43	1	MS.Trt_vs_MS.NoTrt_F
SWAP70	0.17189	0.34134	0.399	0.49	1	MS.Trt_vs_MS.NoTrt_F
CDK2	0.17218	-0.4199	0.104	0.15	1	MS.Trt_vs_MS.NoTrt_F
B3GALNT2	0.17252	-0.4191	0.626	0.72	1	MS.Trt_vs_MS.NoTrt_F
EIF2A	0.17275	0.33843	0.608	0.68	1	MS.Trt_vs_MS.NoTrt_F
KIF19	0.17275	-0.5794	0.392	0.45	1	MS.Trt_vs_MS.NoTrt_F
MLLT1	0.17306	1.09756	0.097	0.14	1	MS.Trt_vs_MS.NoTrt_F
ZNF689	0.17315	1.43359	0.076	0.12	1	MS.Trt_vs_MS.NoTrt_F
POLR3B	0.17322	-0.6172	0.137	0.19	1	MS.Trt_vs_MS.NoTrt_F
SLC25A4	0.17342	0.80478	0.306	0.38	1	MS.Trt_vs_MS.NoTrt_F
FGGY	0.1735	0.50519	0.442	0.53	1	MS.Trt_vs_MS.NoTrt_F
ZNF566	0.17353	-0.2858	0.878	0.87	1	MS.Trt_vs_MS.NoTrt_F

TP53BP2	0.17365	1.3157	0.18	0.24	1 MS.Trt_vs_MS.NoTrt_F
IL12RB2	0.17384	0.9887	0.108	0.16	1 MS.Trt_vs_MS.NoTrt_F
SLC25A17	0.17392	0.3442	0.324	0.4	1 MS.Trt_vs_MS.NoTrt_F
PTPA	0.17431	-0.3339	0.727	0.82	1 MS.Trt_vs_MS.NoTrt_F
MAN2A2	0.17431	1.12752	0.309	0.37	1 MS.Trt_vs_MS.NoTrt_F
GSTM4	0.17439	2.19047	0.115	0.17	1 MS.Trt_vs_MS.NoTrt_F
CCL5	0.17476	1.28259	0.899	0.94	1 MS.Trt_vs_MS.NoTrt_F
COL15A1	0.17488	0.69925	0.363	0.32	1 MS.Trt_vs_MS.NoTrt_F
ANKRD39	0.17539	0.89645	0.252	0.33	1 MS.Trt_vs_MS.NoTrt_F
C20orf194	0.17543	0.90649	0.331	0.41	1 MS.Trt_vs_MS.NoTrt_F
ZNF678	0.1756	0.97595	0.194	0.25	1 MS.Trt_vs_MS.NoTrt_F
ANKRD12	0.17595	0.47674	0.791	0.87	1 MS.Trt_vs_MS.NoTrt_F
AL928654.7	0.1761	0.27794	0.072	0.11	1 MS.Trt_vs_MS.NoTrt_F
RPP38	0.17674	-0.449	0.428	0.5	1 MS.Trt_vs_MS.NoTrt_F
CAPS	0.17698	-0.4479	0.953	0.94	1 MS.Trt_vs_MS.NoTrt_F
RFK	0.17758	0.58733	0.496	0.53	1 MS.Trt_vs_MS.NoTrt_F
SYPL1	0.17781	0.34219	0.414	0.48	1 MS.Trt_vs_MS.NoTrt_F
CA13	0.17792	0.62403	0.536	0.65	1 MS.Trt_vs_MS.NoTrt_F
FUOM	0.17805	0.44525	0.068	0.11	1 MS.Trt_vs_MS.NoTrt_F
ZDHHC14	0.17807	0.26402	0.356	0.44	1 MS.Trt_vs_MS.NoTrt_F
BOLA2B	0.17813	0.43261	0.158	0.22	1 MS.Trt_vs_MS.NoTrt_F
PTDSS2	0.1782	1.46422	0.094	0.14	1 MS.Trt_vs_MS.NoTrt_F
ZMIZ1	0.1785	1.13193	0.14	0.19	1 MS.Trt_vs_MS.NoTrt_F
PUS3	0.17872	0.88377	0.309	0.39	1 MS.Trt_vs_MS.NoTrt_F
LRFN3	0.17926	-0.3999	0.597	0.67	1 MS.Trt_vs_MS.NoTrt_F
JAKMIP2	0.17966	0.87961	0.442	0.51	1 MS.Trt_vs_MS.NoTrt_F
IL1R1	0.17984	2.21598	0.324	0.39	1 MS.Trt_vs_MS.NoTrt_F
PARP2	0.18015	-0.4933	0.342	0.42	1 MS.Trt_vs_MS.NoTrt_F
ZNF202	0.18024	0.84975	0.072	0.11	1 MS.Trt_vs_MS.NoTrt_F
NDUFA3	0.18047	0.35997	0.946	0.95	1 MS.Trt_vs_MS.NoTrt_F
RP11-111H1	0.18068	-0.3965	0.137	0.18	1 MS.Trt_vs_MS.NoTrt_F
TOB2	0.18095	0.6916	0.165	0.23	1 MS.Trt_vs_MS.NoTrt_F
PKNOX2	0.18109	0.56495	0.097	0.14	1 MS.Trt_vs_MS.NoTrt_F
PPP6R1	0.18119	0.40887	0.309	0.39	1 MS.Trt_vs_MS.NoTrt_F
PSME1	0.18123	0.25912	0.576	0.73	1 MS.Trt_vs_MS.NoTrt_F
NDUFV3	0.18143	0.27072	0.982	0.99	1 MS.Trt_vs_MS.NoTrt_F
UBE2Z	0.18167	0.64101	0.288	0.34	1 MS.Trt_vs_MS.NoTrt_F
DDX54	0.18174	0.75418	0.158	0.22	1 MS.Trt_vs_MS.NoTrt_F
JCHAIN	0.18236	4.37604	0.133	0.18	1 MS.Trt_vs_MS.NoTrt_F
SEPP1	0.1825	0.83962	0.162	0.22	1 MS.Trt_vs_MS.NoTrt_F

FBXL2	0.18292	-0.3195	0.665	0.61	1 MS.Trt_vs_MS.NoTrt_F
ENDOV	0.18293	-0.8085	0.604	0.66	1 MS.Trt_vs_MS.NoTrt_F
ZNF124	0.18314	1.19336	0.665	0.67	1 MS.Trt_vs_MS.NoTrt_F
FBXO36	0.18317	0.29203	0.687	0.66	1 MS.Trt_vs_MS.NoTrt_F
DACT3	0.18336	0.25202	0.95	0.95	1 MS.Trt_vs_MS.NoTrt_F
ZNF354A	0.18363	0.49748	0.216	0.28	1 MS.Trt_vs_MS.NoTrt_F
CTTN	0.18368	0.88343	0.112	0.16	1 MS.Trt_vs_MS.NoTrt_F
PEA15	0.18375	0.91167	0.133	0.19	1 MS.Trt_vs_MS.NoTrt_F
GAREM1	0.18378	0.5335	0.101	0.07	1 MS.Trt_vs_MS.NoTrt_F
QKI	0.18388	0.32288	0.327	0.42	1 MS.Trt_vs_MS.NoTrt_F
ZNF16	0.18422	0.2864	0.77	0.83	1 MS.Trt_vs_MS.NoTrt_F
NSA2	0.18428	0.71817	0.367	0.44	1 MS.Trt_vs_MS.NoTrt_F
ZNF254	0.18467	0.26223	0.45	0.48	1 MS.Trt_vs_MS.NoTrt_F
SRRD	0.18488	0.6349	0.453	0.54	1 MS.Trt_vs_MS.NoTrt_F
ERO1A	0.1849	0.56916	0.899	0.9	1 MS.Trt_vs_MS.NoTrt_F
CHP1	0.18496	0.91268	0.781	0.82	1 MS.Trt_vs_MS.NoTrt_F
DNAJA2	0.18521	0.35359	0.428	0.49	1 MS.Trt_vs_MS.NoTrt_F
NUP35	0.18532	0.64301	0.504	0.61	1 MS.Trt_vs_MS.NoTrt_F
GMEB2	0.18535	0.68765	0.122	0.17	1 MS.Trt_vs_MS.NoTrt_F
SGK3	0.18547	-0.2527	0.874	0.96	1 MS.Trt_vs_MS.NoTrt_F
WDR20	0.18557	0.49469	0.432	0.53	1 MS.Trt_vs_MS.NoTrt_F
ITIH4	0.18574	0.68096	0.248	0.32	1 MS.Trt_vs_MS.NoTrt_F
ETNK1	0.18628	0.38348	0.514	0.63	1 MS.Trt_vs_MS.NoTrt_F
CRTAM	0.18629	0.80952	0.381	0.46	1 MS.Trt_vs_MS.NoTrt_F
KTN1	0.18653	0.40344	0.565	0.71	1 MS.Trt_vs_MS.NoTrt_F
B3GALNT1	0.18653	0.52169	0.205	0.27	1 MS.Trt_vs_MS.NoTrt_F
OXCT1	0.18669	0.81763	0.36	0.46	1 MS.Trt_vs_MS.NoTrt_F
RBM43	0.18705	-0.5862	0.601	0.66	1 MS.Trt_vs_MS.NoTrt_F
SELENBP1	0.18715	1.14806	0.273	0.33	1 MS.Trt_vs_MS.NoTrt_F
FUT2	0.18731	0.28947	0.759	0.77	1 MS.Trt_vs_MS.NoTrt_F
MSMO1	0.18735	0.4512	0.543	0.6	1 MS.Trt_vs_MS.NoTrt_F
GATC	0.18748	-0.4045	0.532	0.6	1 MS.Trt_vs_MS.NoTrt_F
SERPINB8	0.18761	-0.3751	0.079	0.12	1 MS.Trt_vs_MS.NoTrt_F
TBK1	0.18789	0.60553	0.122	0.17	1 MS.Trt_vs_MS.NoTrt_F
HCST	0.18792	0.66219	0.374	0.54	1 MS.Trt_vs_MS.NoTrt_F
ZNF226	0.18801	0.26667	0.504	0.57	1 MS.Trt_vs_MS.NoTrt_F
NRL	0.18853	0.62444	0.09	0.13	1 MS.Trt_vs_MS.NoTrt_F
RER1	0.18858	0.68979	0.227	0.3	1 MS.Trt_vs_MS.NoTrt_F
PDK3	0.18862	0.85985	0.331	0.41	1 MS.Trt_vs_MS.NoTrt_F
SMAD1	0.1889	1.64793	0.331	0.4	1 MS.Trt_vs_MS.NoTrt_F



FABP5	0.18926	0.28766	0.101	0.14	1	MS.Trt_vs_MS.NoTrt_F
TMPRSS11B	0.18938	0.50485	0.374	0.46	1	MS.Trt_vs_MS.NoTrt_F
NNMT	0.19043	0.56659	0.119	0.17	1	MS.Trt_vs_MS.NoTrt_F
CYSTM1	0.19047	0.29403	0.331	0.4	1	MS.Trt_vs_MS.NoTrt_F
NCF2	0.19057	1.27303	0.086	0.13	1	MS.Trt_vs_MS.NoTrt_F
RARS2	0.19075	-0.2936	0.594	0.63	1	MS.Trt_vs_MS.NoTrt_F
KIF3C	0.19091	-0.8004	0.094	0.13	1	MS.Trt_vs_MS.NoTrt_F
INTS4	0.19123	-0.3768	0.396	0.44	1	MS.Trt_vs_MS.NoTrt_F
INCA1	0.1916	0.73698	0.216	0.28	1	MS.Trt_vs_MS.NoTrt_F
SSX2IP	0.19175	0.7859	0.097	0.14	1	MS.Trt_vs_MS.NoTrt_F
GPLD1	0.19176	0.69318	0.723	0.71	1	MS.Trt_vs_MS.NoTrt_F
ADD1	0.1919	0.26674	0.784	0.81	1	MS.Trt_vs_MS.NoTrt_F
LAMA4	0.19257	0.95285	0.234	0.3	1	MS.Trt_vs_MS.NoTrt_F
ALKBH6	0.1928	-0.8712	0.572	0.6	1	MS.Trt_vs_MS.NoTrt_F
TTF1	0.19304	-0.3313	0.45	0.51	1	MS.Trt_vs_MS.NoTrt_F
CXCL14	0.19307	1.50284	0.147	0.2	1	MS.Trt_vs_MS.NoTrt_F
SMARCD2	0.19309	1.04074	0.147	0.2	1	MS.Trt_vs_MS.NoTrt_F
CDK7	0.19309	1.24205	0.216	0.29	1	MS.Trt_vs_MS.NoTrt_F
EPS8	0.19361	0.56257	0.464	0.54	1	MS.Trt_vs_MS.NoTrt_F
TIMELESS	0.19363	0.3976	0.371	0.44	1	MS.Trt_vs_MS.NoTrt_F
ZNF486	0.19432	-0.2918	0.698	0.76	1	MS.Trt_vs_MS.NoTrt_F
GEN1	0.19442	0.2657	0.755	0.75	1	MS.Trt_vs_MS.NoTrt_F
WDR41	0.19449	-0.3698	0.399	0.48	1	MS.Trt_vs_MS.NoTrt_F
IL15	0.1946	-0.9399	0.356	0.41	1	MS.Trt_vs_MS.NoTrt_F
CYTH3	0.19479	-0.9046	0.076	0.11	1	MS.Trt_vs_MS.NoTrt_F
DCTN2	0.19565	-0.4454	0.565	0.65	1	MS.Trt_vs_MS.NoTrt_F
PRKRA	0.19584	0.40666	0.259	0.33	1	MS.Trt_vs_MS.NoTrt_F
NCF1	0.19628	0.45171	0.496	0.6	1	MS.Trt_vs_MS.NoTrt_F
NME6	0.19636	-0.3381	0.874	0.92	1	MS.Trt_vs_MS.NoTrt_F
GEMIN6	0.19642	0.5371	0.917	0.93	1	MS.Trt_vs_MS.NoTrt_F
XPO6	0.19647	0.37776	0.324	0.42	1	MS.Trt_vs_MS.NoTrt_F
SVIL	0.19661	0.8261	0.191	0.26	1	MS.Trt_vs_MS.NoTrt_F
C2orf61	0.19703	0.28124	0.14	0.19	1	MS.Trt_vs_MS.NoTrt_F
REEP3	0.19735	1.34922	0.532	0.53	1	MS.Trt_vs_MS.NoTrt_F
SNAP23	0.19775	0.28551	0.655	0.74	1	MS.Trt_vs_MS.NoTrt_F
DAZAP2	0.19782	0.32433	0.806	0.92	1	MS.Trt_vs_MS.NoTrt_F
GTF2F1	0.19796	0.35214	0.309	0.39	1	MS.Trt_vs_MS.NoTrt_F
RALB	0.198	0.90672	0.133	0.18	1	MS.Trt_vs_MS.NoTrt_F
FRMD4B	0.1984	-0.9718	0.96	0.96	1	MS.Trt_vs_MS.NoTrt_F
CHI3L2	0.19845	1.15142	0.219	0.28	1	MS.Trt_vs_MS.NoTrt_F

P4HTM	0.19902	-0.4259	0.396	0.44	1 MS.Trt_vs_MS.NoTrt_F
ATP10A	0.19925	1.86202	0.115	0.17	1 MS.Trt_vs_MS.NoTrt_F
ARHGAP44	0.19937	0.98503	0.313	0.36	1 MS.Trt_vs_MS.NoTrt_F
TMEM108	0.19953	-0.407	0.309	0.37	1 MS.Trt_vs_MS.NoTrt_F
WDR78	0.20017	-0.2832	0.486	0.54	1 MS.Trt_vs_MS.NoTrt_F
CHFR	0.20037	0.53871	0.942	0.96	1 MS.Trt_vs_MS.NoTrt_F
GALE	0.20044	0.34945	0.342	0.4	1 MS.Trt_vs_MS.NoTrt_F
IFI27L2	0.20064	0.37517	0.263	0.32	1 MS.Trt_vs_MS.NoTrt_F
ZSCAN22	0.20065	-0.7382	0.486	0.57	1 MS.Trt_vs_MS.NoTrt_F
SIKE1	0.20079	0.28803	0.453	0.5	1 MS.Trt_vs_MS.NoTrt_F
DPEP2	0.20081	0.46775	0.227	0.29	1 MS.Trt_vs_MS.NoTrt_F
NFIC	0.20111	0.27795	0.432	0.49	1 MS.Trt_vs_MS.NoTrt_F
NINJ1	0.20143	0.65933	0.543	0.65	1 MS.Trt_vs_MS.NoTrt_F
ZNF23	0.2015	-0.5363	0.371	0.42	1 MS.Trt_vs_MS.NoTrt_F
LYPLA1	0.20165	0.51315	0.522	0.62	1 MS.Trt_vs_MS.NoTrt_F
MRPS27	0.20207	-0.765	0.543	0.56	1 MS.Trt_vs_MS.NoTrt_F
ZNF562	0.2021	-0.5737	0.986	0.97	1 MS.Trt_vs_MS.NoTrt_F
CENPO	0.2022	0.47271	0.079	0.12	1 MS.Trt_vs_MS.NoTrt_F
PRKDC	0.20232	0.39983	0.583	0.65	1 MS.Trt_vs_MS.NoTrt_F
SNRPB2	0.20353	0.77153	0.223	0.3	1 MS.Trt_vs_MS.NoTrt_F
BANK1	0.20369	0.82161	0.191	0.25	1 MS.Trt_vs_MS.NoTrt_F
NR1H2	0.20401	0.41605	0.507	0.61	1 MS.Trt_vs_MS.NoTrt_F
C15orf41	0.20422	0.76612	0.601	0.71	1 MS.Trt_vs_MS.NoTrt_F
KIAA1324	0.20457	-0.6184	0.752	0.81	1 MS.Trt_vs_MS.NoTrt_F
C14orf80	0.20481	0.41375	0.284	0.35	1 MS.Trt_vs_MS.NoTrt_F
B3GAT3	0.20541	0.68232	0.543	0.6	1 MS.Trt_vs_MS.NoTrt_F
LGR4	0.20617	-0.3432	0.104	0.14	1 MS.Trt_vs_MS.NoTrt_F
MT-ATP8	0.20653	0.26428	0.662	0.8	1 MS.Trt_vs_MS.NoTrt_F
RCC1L	0.20677	-0.4259	0.299	0.35	1 MS.Trt_vs_MS.NoTrt_F
C14orf2	0.20678	0.3268	0.799	0.9	1 MS.Trt_vs_MS.NoTrt_F
CEP68	0.20697	-0.2767	0.511	0.55	1 MS.Trt_vs_MS.NoTrt_F
ENY2	0.20726	0.58264	0.504	0.55	1 MS.Trt_vs_MS.NoTrt_F
GSTM2	0.20733	0.25764	0.356	0.43	1 MS.Trt_vs_MS.NoTrt_F
MFSD14C	0.20783	-0.3414	0.615	0.73	1 MS.Trt_vs_MS.NoTrt_F
ZNF587B	0.2082	0.80093	0.309	0.38	1 MS.Trt_vs_MS.NoTrt_F
FAM96B	0.20824	0.46378	0.237	0.31	1 MS.Trt_vs_MS.NoTrt_F
SPDYE5	0.20844	0.30622	0.586	0.57	1 MS.Trt_vs_MS.NoTrt_F
TMEM94	0.20875	0.31115	0.216	0.28	1 MS.Trt_vs_MS.NoTrt_F
ZFYVE27	0.20875	0.5592	0.194	0.26	1 MS.Trt_vs_MS.NoTrt_F
SGPP2	0.20915	0.29316	0.342	0.41	1 MS.Trt_vs_MS.NoTrt_F

NTN5	0.20935	0.28745	0.14	0.19	1 MS.Trt_vs_MS.NoTrt_F
HVCN1	0.20967	0.36456	0.518	0.6	1 MS.Trt_vs_MS.NoTrt_F
ING1	0.20983	0.48075	0.597	0.63	1 MS.Trt_vs_MS.NoTrt_F
RBM7	0.21048	0.33304	0.759	0.68	1 MS.Trt_vs_MS.NoTrt_F
TCP11L1	0.21053	-0.6584	0.234	0.28	1 MS.Trt_vs_MS.NoTrt_F
RRP1	0.21078	0.88123	0.647	0.71	1 MS.Trt_vs_MS.NoTrt_F
PIP5K1C	0.21091	0.77682	0.101	0.14	1 MS.Trt_vs_MS.NoTrt_F
IFITM3	0.211	0.28733	0.529	0.66	1 MS.Trt_vs_MS.NoTrt_F
RPS6KL1	0.21116	-0.2516	0.655	0.76	1 MS.Trt_vs_MS.NoTrt_F
LIMA1	0.21182	0.44203	0.45	0.48	1 MS.Trt_vs_MS.NoTrt_F
POLR1D	0.21194	0.31972	0.464	0.53	1 MS.Trt_vs_MS.NoTrt_F
TCTEX1D2	0.21205	0.44081	0.335	0.39	1 MS.Trt_vs_MS.NoTrt_F
WASH1	0.2121	0.46532	0.216	0.28	1 MS.Trt_vs_MS.NoTrt_F
ZBTB2	0.21211	0.67319	0.126	0.18	1 MS.Trt_vs_MS.NoTrt_F
BCL11B	0.21258	0.46208	0.45	0.58	1 MS.Trt_vs_MS.NoTrt_F
PRDX3	0.21276	0.5055	0.457	0.53	1 MS.Trt_vs_MS.NoTrt_F
HIST2H2AA3	0.21303	0.69909	0.108	0.16	1 MS.Trt_vs_MS.NoTrt_F
PDPN	0.2134	-0.5646	0.5	0.48	1 MS.Trt_vs_MS.NoTrt_F
SCRN2	0.21353	1.23285	0.133	0.18	1 MS.Trt_vs_MS.NoTrt_F
GUF1	0.2137	0.89487	0.371	0.45	1 MS.Trt_vs_MS.NoTrt_F
C3	0.21396	0.25843	0.924	0.93	1 MS.Trt_vs_MS.NoTrt_F
MPRIP	0.21429	-0.4146	0.892	0.92	1 MS.Trt_vs_MS.NoTrt_F
CREBRF	0.21492	0.29515	0.687	0.81	1 MS.Trt_vs_MS.NoTrt_F
SUMF2	0.21505	0.59731	0.874	0.91	1 MS.Trt_vs_MS.NoTrt_F
GSK3A	0.21524	-0.5247	0.324	0.37	1 MS.Trt_vs_MS.NoTrt_F
NBPF19	0.21552	0.44242	0.381	0.46	1 MS.Trt_vs_MS.NoTrt_F
ZNF324	0.21621	1.01256	0.101	0.14	1 MS.Trt_vs_MS.NoTrt_F
FASLG	0.21635	1.38779	0.104	0.14	1 MS.Trt_vs_MS.NoTrt_F
ANP32E	0.21715	1.09338	0.478	0.65	1 MS.Trt_vs_MS.NoTrt_F
TANGO2	0.21719	0.66851	0.871	0.87	1 MS.Trt_vs_MS.NoTrt_F
TBXAS1	0.21725	0.80846	0.392	0.46	1 MS.Trt_vs_MS.NoTrt_F
BAG2	0.21736	0.42355	0.245	0.29	1 MS.Trt_vs_MS.NoTrt_F
NCKAP1	0.21761	0.67588	0.68	0.65	1 MS.Trt_vs_MS.NoTrt_F
BICD2	0.21788	1.1372	0.119	0.17	1 MS.Trt_vs_MS.NoTrt_F
CARNS1	0.21799	0.75225	0.205	0.26	1 MS.Trt_vs_MS.NoTrt_F
CFAP20	0.21804	0.53785	0.183	0.24	1 MS.Trt_vs_MS.NoTrt_F
CLK2	0.21825	0.33349	0.122	0.17	1 MS.Trt_vs_MS.NoTrt_F
RFC4	0.21835	0.25084	0.309	0.37	1 MS.Trt_vs_MS.NoTrt_F
SYT2	0.21857	0.84633	0.072	0.11	1 MS.Trt_vs_MS.NoTrt_F
VPS50	0.21911	-1.0123	0.604	0.64	1 MS.Trt_vs_MS.NoTrt_F

RBM34	0.21942	0.59427	0.619	0.72	1	MS.Trt_vs_MS.NoTrt_F
C16orf72	0.21989	0.46532	0.86	0.85	1	MS.Trt_vs_MS.NoTrt_F
PLEKHA5	0.22018	-0.5271	0.917	0.95	1	MS.Trt_vs_MS.NoTrt_F
YRDC	0.22035	0.54765	0.108	0.15	1	MS.Trt_vs_MS.NoTrt_F
MXRA7	0.22038	-0.3072	0.755	0.84	1	MS.Trt_vs_MS.NoTrt_F
SH2B3	0.2206	0.30823	0.187	0.24	1	MS.Trt_vs_MS.NoTrt_F
PRKD2	0.22069	0.81839	0.748	0.79	1	MS.Trt_vs_MS.NoTrt_F
ATP1B1	0.22134	0.85051	0.309	0.39	1	MS.Trt_vs_MS.NoTrt_F
ARHGAP8	0.22136	0.25439	0.683	0.72	1	MS.Trt_vs_MS.NoTrt_F
TRPM7	0.22147	0.30474	0.906	0.94	1	MS.Trt_vs_MS.NoTrt_F
RP11-514P8	0.2215	-0.3996	0.072	0.11	1	MS.Trt_vs_MS.NoTrt_F
RNF103	0.22158	0.44697	0.626	0.67	1	MS.Trt_vs_MS.NoTrt_F
THOC3	0.22179	0.2747	0.532	0.65	1	MS.Trt_vs_MS.NoTrt_F
NR2C1	0.22269	0.52493	0.658	0.76	1	MS.Trt_vs_MS.NoTrt_F
BBS1	0.22288	0.25619	0.608	0.67	1	MS.Trt_vs_MS.NoTrt_F
HLA-DRB3	0.22316	0.84042	0.18	0.24	1	MS.Trt_vs_MS.NoTrt_F
CTD-2132N1	0.2239	0.58069	0.097	0.14	1	MS.Trt_vs_MS.NoTrt_F
MCF2L	0.22398	-0.5688	0.295	0.35	1	MS.Trt_vs_MS.NoTrt_F
CPNE1	0.22448	0.43377	0.522	0.69	1	MS.Trt_vs_MS.NoTrt_F
EID2B	0.22456	0.62854	0.514	0.57	1	MS.Trt_vs_MS.NoTrt_F
USP12	0.22513	0.70899	0.115	0.16	1	MS.Trt_vs_MS.NoTrt_F
TMEM41A	0.22514	0.31682	0.799	0.79	1	MS.Trt_vs_MS.NoTrt_F
G6PD	0.22522	0.37564	0.115	0.16	1	MS.Trt_vs_MS.NoTrt_F
BCL2L13	0.22538	-0.8568	0.514	0.6	1	MS.Trt_vs_MS.NoTrt_F
UVSSA	0.22611	-0.4903	0.741	0.81	1	MS.Trt_vs_MS.NoTrt_F
TMEM127	0.22631	0.32599	0.687	0.71	1	MS.Trt_vs_MS.NoTrt_F
ZNF563	0.22648	1.35616	0.55	0.62	1	MS.Trt_vs_MS.NoTrt_F
ITGAX	0.22663	0.35315	0.482	0.56	1	MS.Trt_vs_MS.NoTrt_F
TEX2	0.2274	0.42438	0.633	0.73	1	MS.Trt_vs_MS.NoTrt_F
TADA2B	0.22758	1.07613	0.302	0.36	1	MS.Trt_vs_MS.NoTrt_F
PZP	0.22771	0.52611	0.083	0.12	1	MS.Trt_vs_MS.NoTrt_F
HBA2	0.22807	0.65375	0.072	0.11	1	MS.Trt_vs_MS.NoTrt_F
ZNF234	0.22834	0.69176	0.709	0.79	1	MS.Trt_vs_MS.NoTrt_F
RRP12	0.22851	0.2918	0.906	0.87	1	MS.Trt_vs_MS.NoTrt_F
UBE2V2	0.22854	0.38063	0.683	0.77	1	MS.Trt_vs_MS.NoTrt_F
ERCC2	0.22917	-0.7125	0.522	0.59	1	MS.Trt_vs_MS.NoTrt_F
RGS5	0.2292	1.42784	0.104	0.14	1	MS.Trt_vs_MS.NoTrt_F
IFT88	0.22921	0.9138	0.496	0.58	1	MS.Trt_vs_MS.NoTrt_F
SLC38A10	0.22953	0.3674	0.388	0.43	1	MS.Trt_vs_MS.NoTrt_F
XKR8	0.23012	-0.3501	0.194	0.24	1	MS.Trt_vs_MS.NoTrt_F

STXBP5	0.23015	0.9034	0.176	0.23	1	MS.Trt_vs_MS.NoTrt_F
RP11-343C2	0.23024	0.49745	0.072	0.11	1	MS.Trt_vs_MS.NoTrt_F
NFE2L1	0.23045	-0.3252	0.112	0.16	1	MS.Trt_vs_MS.NoTrt_F
GPAT4	0.23057	-0.611	0.73	0.85	1	MS.Trt_vs_MS.NoTrt_F
LY6E	0.23062	0.31842	0.522	0.63	1	MS.Trt_vs_MS.NoTrt_F
IL17RE	0.23069	0.81992	0.263	0.33	1	MS.Trt_vs_MS.NoTrt_F
PPP2R5C	0.23087	0.7143	0.924	0.96	1	MS.Trt_vs_MS.NoTrt_F
DERA	0.23108	1.63403	0.112	0.16	1	MS.Trt_vs_MS.NoTrt_F
CEP120	0.23111	0.63731	0.165	0.22	1	MS.Trt_vs_MS.NoTrt_F
PPIL3	0.2315	0.57739	0.734	0.85	1	MS.Trt_vs_MS.NoTrt_F
NQO2	0.23158	-0.2569	0.763	0.8	1	MS.Trt_vs_MS.NoTrt_F
TRAF3IP1	0.23179	0.29647	0.349	0.4	1	MS.Trt_vs_MS.NoTrt_F
IGF1R	0.2326	1.47779	0.288	0.37	1	MS.Trt_vs_MS.NoTrt_F
ORC5	0.23416	0.38109	0.263	0.34	1	MS.Trt_vs_MS.NoTrt_F
ZBP1	0.23435	0.2816	0.547	0.61	1	MS.Trt_vs_MS.NoTrt_F
NDUFA12	0.23442	0.85871	0.241	0.32	1	MS.Trt_vs_MS.NoTrt_F
TUFT1	0.23469	-0.3751	0.367	0.44	1	MS.Trt_vs_MS.NoTrt_F
FSCN1	0.23494	0.616	0.094	0.13	1	MS.Trt_vs_MS.NoTrt_F
ATAD3C	0.23517	0.386	0.856	0.77	1	MS.Trt_vs_MS.NoTrt_F
ZFP41	0.23522	0.8769	0.147	0.19	1	MS.Trt_vs_MS.NoTrt_F
GPR155	0.23525	-0.6452	0.899	0.91	1	MS.Trt_vs_MS.NoTrt_F
OGFOD1	0.23546	-0.2743	0.64	0.69	1	MS.Trt_vs_MS.NoTrt_F
LMBR1	0.23568	0.68913	0.46	0.54	1	MS.Trt_vs_MS.NoTrt_F
MATN1	0.23574	1.00125	0.09	0.13	1	MS.Trt_vs_MS.NoTrt_F
UBOX5	0.23581	-0.338	0.637	0.66	1	MS.Trt_vs_MS.NoTrt_F
SPATA6	0.23586	0.3474	0.133	0.18	1	MS.Trt_vs_MS.NoTrt_F
PEX11A	0.23604	0.41771	0.565	0.61	1	MS.Trt_vs_MS.NoTrt_F
LIPE	0.23618	1.5981	0.342	0.44	1	MS.Trt_vs_MS.NoTrt_F
SNX11	0.23631	0.35699	0.601	0.67	1	MS.Trt_vs_MS.NoTrt_F
TRAF2	0.23638	0.32251	0.255	0.33	1	MS.Trt_vs_MS.NoTrt_F
ISY1	0.23675	0.56629	0.597	0.69	1	MS.Trt_vs_MS.NoTrt_F
POMZP3	0.23696	0.75178	0.439	0.54	1	MS.Trt_vs_MS.NoTrt_F
CIPC	0.23717	0.37484	0.45	0.5	1	MS.Trt_vs_MS.NoTrt_F
AP5M1	0.23731	0.28953	0.176	0.23	1	MS.Trt_vs_MS.NoTrt_F
DNPEP	0.23765	-0.9829	0.489	0.52	1	MS.Trt_vs_MS.NoTrt_F
TAOK1	0.23795	0.4568	0.928	0.95	1	MS.Trt_vs_MS.NoTrt_F
LRRN3	0.23816	1.30989	0.137	0.18	1	MS.Trt_vs_MS.NoTrt_F
SPRYD7	0.23831	0.26402	0.691	0.69	1	MS.Trt_vs_MS.NoTrt_F
PPP1R3B	0.23849	0.90834	0.277	0.34	1	MS.Trt_vs_MS.NoTrt_F
SLC16A7	0.23853	-0.6383	0.608	0.66	1	MS.Trt_vs_MS.NoTrt_F

CLUAP1	0.23883	0.26741	0.817	0.79	1 MS.Trt_vs_MS.NoTrt_F
ATP6AP2	0.23891	0.37417	0.813	0.87	1 MS.Trt_vs_MS.NoTrt_F
ALMS1	0.2394	-0.5443	0.446	0.48	1 MS.Trt_vs_MS.NoTrt_F
HIP1	0.23986	0.37125	0.655	0.69	1 MS.Trt_vs_MS.NoTrt_F
C16orf74	0.24014	-0.3342	0.245	0.29	1 MS.Trt_vs_MS.NoTrt_F
ATP13A4	0.24032	-0.3105	0.424	0.48	1 MS.Trt_vs_MS.NoTrt_F
MR1	0.24039	-0.3061	0.896	0.91	1 MS.Trt_vs_MS.NoTrt_F
RPP14	0.24045	0.50509	0.914	0.93	1 MS.Trt_vs_MS.NoTrt_F
CCDC92	0.24057	0.61623	0.09	0.13	1 MS.Trt_vs_MS.NoTrt_F
SH2D3A	0.24062	-0.2544	0.95	0.98	1 MS.Trt_vs_MS.NoTrt_F
KIAA1429	0.24092	0.43045	0.835	0.88	1 MS.Trt_vs_MS.NoTrt_F
CCDC34	0.24094	0.42488	0.137	0.18	1 MS.Trt_vs_MS.NoTrt_F
HIST1H2BG	0.24111	0.28526	0.486	0.43	1 MS.Trt_vs_MS.NoTrt_F
LCLAT1	0.24114	0.61921	0.799	0.85	1 MS.Trt_vs_MS.NoTrt_F
NQO1	0.24126	0.5621	0.579	0.64	1 MS.Trt_vs_MS.NoTrt_F
CUBN	0.24155	-0.6881	0.392	0.44	1 MS.Trt_vs_MS.NoTrt_F
BORCS7	0.24178	-0.6479	0.331	0.39	1 MS.Trt_vs_MS.NoTrt_F
ACRC	0.24179	0.26985	0.439	0.49	1 MS.Trt_vs_MS.NoTrt_F
ZNF623	0.24197	0.46805	0.629	0.72	1 MS.Trt_vs_MS.NoTrt_F
ADSSL1	0.24219	0.39327	0.324	0.39	1 MS.Trt_vs_MS.NoTrt_F
SHKBP1	0.24242	0.25822	0.734	0.83	1 MS.Trt_vs_MS.NoTrt_F
ZNF680	0.24248	1.21632	0.173	0.22	1 MS.Trt_vs_MS.NoTrt_F
UQCRH	0.24268	0.48138	0.486	0.59	1 MS.Trt_vs_MS.NoTrt_F
SLC16A5	0.24287	0.69502	0.176	0.23	1 MS.Trt_vs_MS.NoTrt_F
C9orf64	0.24287	-0.3668	0.583	0.62	1 MS.Trt_vs_MS.NoTrt_F
ATP7A	0.24305	0.76173	0.399	0.45	1 MS.Trt_vs_MS.NoTrt_F
C9orf3	0.24307	0.39278	0.698	0.79	1 MS.Trt_vs_MS.NoTrt_F
C9orf85	0.24333	0.28034	0.903	0.93	1 MS.Trt_vs_MS.NoTrt_F
PRF1	0.24336	0.48955	0.263	0.33	1 MS.Trt_vs_MS.NoTrt_F
TYRO3	0.24389	0.27308	0.968	0.96	1 MS.Trt_vs_MS.NoTrt_F
HIST1H1E	0.24424	1.51712	0.115	0.16	1 MS.Trt_vs_MS.NoTrt_F
ALG10B	0.2444	-0.3627	0.748	0.67	1 MS.Trt_vs_MS.NoTrt_F
FHDC1	0.24477	0.70678	0.486	0.49	1 MS.Trt_vs_MS.NoTrt_F
POU2AF1	0.24498	0.43547	0.705	0.73	1 MS.Trt_vs_MS.NoTrt_F
ZNF844	0.24526	0.27652	0.924	0.92	1 MS.Trt_vs_MS.NoTrt_F
EXOSC9	0.2453	0.45637	0.227	0.28	1 MS.Trt_vs_MS.NoTrt_F
STX7	0.24543	0.59769	0.719	0.76	1 MS.Trt_vs_MS.NoTrt_F
ZNF532	0.24568	-0.5676	0.935	0.97	1 MS.Trt_vs_MS.NoTrt_F
ZNF77	0.24587	-1.4561	0.083	0.12	1 MS.Trt_vs_MS.NoTrt_F
CCDC159	0.24619	-0.6019	0.759	0.79	1 MS.Trt_vs_MS.NoTrt_F

IGHMBP2	0.24666	1.26065	0.392	0.43	1 MS.Trt_vs_MS.NoTrt_F
SGSM1	0.24671	-0.437	0.558	0.58	1 MS.Trt_vs_MS.NoTrt_F
ISPD	0.24673	0.3282	0.791	0.82	1 MS.Trt_vs_MS.NoTrt_F
DHCR7	0.24677	1.14586	0.094	0.13	1 MS.Trt_vs_MS.NoTrt_F
CD38	0.2472	-0.6029	0.356	0.41	1 MS.Trt_vs_MS.NoTrt_F
BAIAP2L1	0.24754	0.42608	0.525	0.57	1 MS.Trt_vs_MS.NoTrt_F
GOLGA6L1	0.24766	0.3826	0.457	0.43	1 MS.Trt_vs_MS.NoTrt_F
THAP12	0.24771	-0.5637	0.604	0.66	1 MS.Trt_vs_MS.NoTrt_F
PNPT1	0.24822	0.5662	0.881	0.92	1 MS.Trt_vs_MS.NoTrt_F
P3H3	0.24835	0.36764	0.079	0.11	1 MS.Trt_vs_MS.NoTrt_F
PROSC	0.24859	0.3505	0.392	0.44	1 MS.Trt_vs_MS.NoTrt_F
RRBP1	0.24872	-0.7123	0.32	0.39	1 MS.Trt_vs_MS.NoTrt_F
B4GALNT2	0.2488	0.46141	0.353	0.44	1 MS.Trt_vs_MS.NoTrt_F
TTI2	0.24885	-0.3991	0.399	0.48	1 MS.Trt_vs_MS.NoTrt_F
USP53	0.24902	0.52392	0.565	0.66	1 MS.Trt_vs_MS.NoTrt_F
QPRT	0.24919	0.3534	0.903	0.88	1 MS.Trt_vs_MS.NoTrt_F
NAPB	0.24938	0.89008	0.439	0.51	1 MS.Trt_vs_MS.NoTrt_F
ZBED6CL	0.24942	2.13484	0.094	0.13	1 MS.Trt_vs_MS.NoTrt_F
PPARD	0.2495	-0.4399	0.561	0.65	1 MS.Trt_vs_MS.NoTrt_F
ITM2B	0.24961	0.39363	0.604	0.77	1 MS.Trt_vs_MS.NoTrt_F
GRPEL1	0.24965	0.71833	0.18	0.24	1 MS.Trt_vs_MS.NoTrt_F
NTAN1	0.24979	0.26016	0.662	0.77	1 MS.Trt_vs_MS.NoTrt_F
SDK2	0.2506	0.25212	0.54	0.62	1 MS.Trt_vs_MS.NoTrt_F
RP11-793H1	0.25079	0.45667	0.317	0.37	1 MS.Trt_vs_MS.NoTrt_F
PRPSAP1	0.25138	0.41464	0.77	0.75	1 MS.Trt_vs_MS.NoTrt_F
RPL26L1	0.25151	0.43701	0.165	0.21	1 MS.Trt_vs_MS.NoTrt_F
IL11RA	0.25164	0.25107	0.183	0.24	1 MS.Trt_vs_MS.NoTrt_F
CIITA	0.25185	0.33784	0.91	0.9	1 MS.Trt_vs_MS.NoTrt_F
CLCN3	0.25212	-0.3013	0.396	0.44	1 MS.Trt_vs_MS.NoTrt_F
BEND7	0.25215	0.4704	0.363	0.43	1 MS.Trt_vs_MS.NoTrt_F
9-Mar	0.25284	-0.7553	0.59	0.63	1 MS.Trt_vs_MS.NoTrt_F
UAP1	0.25306	1.34528	0.108	0.15	1 MS.Trt_vs_MS.NoTrt_F
ZNF417	0.25331	0.68555	0.763	0.75	1 MS.Trt_vs_MS.NoTrt_F
PIGS	0.25383	0.49835	0.532	0.57	1 MS.Trt_vs_MS.NoTrt_F
KIAA1456	0.25384	0.35888	0.914	0.93	1 MS.Trt_vs_MS.NoTrt_F
SUOX	0.25391	-0.5629	0.781	0.84	1 MS.Trt_vs_MS.NoTrt_F
PTPN18	0.25399	0.28581	0.406	0.48	1 MS.Trt_vs_MS.NoTrt_F
ERC1	0.25404	-0.4327	0.892	0.92	1 MS.Trt_vs_MS.NoTrt_F
AARD	0.25412	0.31275	0.755	0.7	1 MS.Trt_vs_MS.NoTrt_F
ADCY2	0.25418	0.2833	0.727	0.8	1 MS.Trt_vs_MS.NoTrt_F

CDKL5	0.25422	0.29902	0.939	0.93	1 MS.Trt_vs_MS.NoTrt_F
CNOT7	0.25454	0.49244	0.543	0.62	1 MS.Trt_vs_MS.NoTrt_F
CLCN2	0.25477	0.50497	0.626	0.65	1 MS.Trt_vs_MS.NoTrt_F
MIF	0.25491	0.73241	0.46	0.64	1 MS.Trt_vs_MS.NoTrt_F
RNF169	0.25525	1.09603	0.104	0.14	1 MS.Trt_vs_MS.NoTrt_F
RHBDD3	0.25552	-0.8155	0.554	0.58	1 MS.Trt_vs_MS.NoTrt_F
RBM33	0.25555	0.65972	0.255	0.33	1 MS.Trt_vs_MS.NoTrt_F
CD300LD	0.25556	1.35939	0.392	0.46	1 MS.Trt_vs_MS.NoTrt_F
ZNF699	0.2557	-0.5198	0.306	0.36	1 MS.Trt_vs_MS.NoTrt_F
ZSWIM8	0.25584	0.46405	0.831	0.86	1 MS.Trt_vs_MS.NoTrt_F
MMP25	0.25615	0.59213	0.158	0.21	1 MS.Trt_vs_MS.NoTrt_F
LGALS4	0.25628	0.36476	0.572	0.64	1 MS.Trt_vs_MS.NoTrt_F
RRP15	0.25642	0.54735	0.532	0.58	1 MS.Trt_vs_MS.NoTrt_F
LANCL3	0.25703	1.01638	0.309	0.35	1 MS.Trt_vs_MS.NoTrt_F
ZNF749	0.25786	0.80897	0.46	0.41	1 MS.Trt_vs_MS.NoTrt_F
LGR6	0.25798	1.16056	0.137	0.18	1 MS.Trt_vs_MS.NoTrt_F
CTDSPL2	0.25805	-0.6771	0.68	0.76	1 MS.Trt_vs_MS.NoTrt_F
DKC1	0.25818	0.4248	0.385	0.42	1 MS.Trt_vs_MS.NoTrt_F
SFT2D3	0.25848	0.77553	0.45	0.53	1 MS.Trt_vs_MS.NoTrt_F
RBP1	0.25865	0.36048	0.399	0.48	1 MS.Trt_vs_MS.NoTrt_F
SH3BGR3	0.25879	0.26249	0.853	0.97	1 MS.Trt_vs_MS.NoTrt_F
IRAK3	0.25921	-0.3553	0.396	0.48	1 MS.Trt_vs_MS.NoTrt_F
MT-ND1	0.25927	0.43734	0.878	0.94	1 MS.Trt_vs_MS.NoTrt_F
HYPK	0.26014	-0.4148	0.896	0.95	1 MS.Trt_vs_MS.NoTrt_F
MKNK1	0.26043	0.46334	0.917	0.93	1 MS.Trt_vs_MS.NoTrt_F
ABL2	0.26055	-0.5022	0.73	0.81	1 MS.Trt_vs_MS.NoTrt_F
CLCN6	0.26059	0.93769	0.532	0.53	1 MS.Trt_vs_MS.NoTrt_F
UROS	0.26113	-0.3987	0.446	0.5	1 MS.Trt_vs_MS.NoTrt_F
CCDC25	0.26121	1.02098	0.309	0.37	1 MS.Trt_vs_MS.NoTrt_F
ESRP2	0.26123	0.30412	0.094	0.13	1 MS.Trt_vs_MS.NoTrt_F
KANSL3	0.26127	-0.3359	0.932	0.97	1 MS.Trt_vs_MS.NoTrt_F
EFCAB10	0.2613	-0.3274	0.201	0.24	1 MS.Trt_vs_MS.NoTrt_F
P2RY11	0.26154	0.5214	0.147	0.19	1 MS.Trt_vs_MS.NoTrt_F
FAM134A	0.26182	0.80883	0.421	0.5	1 MS.Trt_vs_MS.NoTrt_F
RIMKLB	0.26186	1.2715	0.119	0.16	1 MS.Trt_vs_MS.NoTrt_F
ZNF273	0.26204	0.38973	0.892	0.9	1 MS.Trt_vs_MS.NoTrt_F
CBX5	0.26215	0.34954	0.928	0.93	1 MS.Trt_vs_MS.NoTrt_F
RCOR1	0.26267	0.36084	0.169	0.22	1 MS.Trt_vs_MS.NoTrt_F
OSBPL2	0.26273	-0.6177	0.486	0.55	1 MS.Trt_vs_MS.NoTrt_F
LRRC8B	0.26371	0.55563	0.421	0.48	1 MS.Trt_vs_MS.NoTrt_F



ATP7B	0.26372	1.1477	0.191	0.24	1 MS.Trt_vs_MS.NoTrt_F
CALM1	0.26389	0.393	0.799	0.91	1 MS.Trt_vs_MS.NoTrt_F
VSIG1	0.26399	0.32559	0.55	0.65	1 MS.Trt_vs_MS.NoTrt_F
AGAP3	0.264	0.6752	0.079	0.11	1 MS.Trt_vs_MS.NoTrt_F
ZSCAN2	0.26422	-0.6249	0.763	0.83	1 MS.Trt_vs_MS.NoTrt_F
TCF7	0.26465	0.83504	0.766	0.76	1 MS.Trt_vs_MS.NoTrt_F
NOP2	0.26504	-0.4428	0.403	0.45	1 MS.Trt_vs_MS.NoTrt_F
DIAPH3	0.26521	0.28257	0.403	0.38	1 MS.Trt_vs_MS.NoTrt_F
MAPK1	0.26577	0.57821	0.54	0.64	1 MS.Trt_vs_MS.NoTrt_F
CD8B	0.26585	1.38308	0.115	0.16	1 MS.Trt_vs_MS.NoTrt_F
MTO1	0.26611	0.26282	0.978	0.98	1 MS.Trt_vs_MS.NoTrt_F
EIF1AD	0.26675	0.77088	0.734	0.73	1 MS.Trt_vs_MS.NoTrt_F
ASAH1	0.2669	0.32412	0.734	0.78	1 MS.Trt_vs_MS.NoTrt_F
TM2D1	0.26729	0.53095	0.885	0.92	1 MS.Trt_vs_MS.NoTrt_F
ACBD5	0.26762	-0.2862	0.5	0.54	1 MS.Trt_vs_MS.NoTrt_F
MAB21L3	0.26785	0.47203	0.327	0.4	1 MS.Trt_vs_MS.NoTrt_F
EFHD1	0.26786	-0.5149	0.281	0.34	1 MS.Trt_vs_MS.NoTrt_F
RAB11FIP3	0.26835	0.58599	0.205	0.26	1 MS.Trt_vs_MS.NoTrt_F
LMAN1	0.26871	0.37091	0.209	0.27	1 MS.Trt_vs_MS.NoTrt_F
SIRPB1	0.26886	0.73309	0.248	0.31	1 MS.Trt_vs_MS.NoTrt_F
MYOM1	0.26896	-0.4099	0.335	0.39	1 MS.Trt_vs_MS.NoTrt_F
KCNN3	0.26913	0.51575	0.504	0.45	1 MS.Trt_vs_MS.NoTrt_F
UBE3C	0.26926	0.69496	0.576	0.66	1 MS.Trt_vs_MS.NoTrt_F
TMSB15B	0.2694	-0.6758	0.299	0.34	1 MS.Trt_vs_MS.NoTrt_F
LATS1	0.2697	0.27192	0.665	0.72	1 MS.Trt_vs_MS.NoTrt_F
SDC4	0.2699	1.20399	0.162	0.21	1 MS.Trt_vs_MS.NoTrt_F
DEF8	0.27012	0.44453	0.46	0.53	1 MS.Trt_vs_MS.NoTrt_F
TOMM70	0.27018	1.5151	0.176	0.22	1 MS.Trt_vs_MS.NoTrt_F
ZFP36L2	0.27099	0.65322	0.493	0.64	1 MS.Trt_vs_MS.NoTrt_F
CBWD1	0.27108	0.55123	0.665	0.74	1 MS.Trt_vs_MS.NoTrt_F
MCTP1	0.27128	0.82851	0.083	0.12	1 MS.Trt_vs_MS.NoTrt_F
LPCAT3	0.27133	0.36082	0.442	0.51	1 MS.Trt_vs_MS.NoTrt_F
NFIB	0.27149	1.95964	0.137	0.18	1 MS.Trt_vs_MS.NoTrt_F
TSTD2	0.27153	0.80189	0.126	0.17	1 MS.Trt_vs_MS.NoTrt_F
ZNF584	0.27156	-0.4661	0.687	0.75	1 MS.Trt_vs_MS.NoTrt_F
ASCC1	0.27167	-0.3686	0.612	0.73	1 MS.Trt_vs_MS.NoTrt_F
ALDH5A1	0.27216	-0.2901	0.482	0.57	1 MS.Trt_vs_MS.NoTrt_F
BPHL	0.27217	0.73408	0.633	0.75	1 MS.Trt_vs_MS.NoTrt_F
BEAN1	0.2723	0.29392	0.489	0.55	1 MS.Trt_vs_MS.NoTrt_F
TNFRSF11A	0.27249	-0.2688	0.281	0.24	1 MS.Trt_vs_MS.NoTrt_F

G6PC3	0.27265	0.46781	0.856	0.83	1 MS.Trt_vs_MS.NoTrt_F
DPP6	0.27277	0.60019	0.514	0.53	1 MS.Trt_vs_MS.NoTrt_F
PLCD4	0.27315	-0.3938	0.295	0.35	1 MS.Trt_vs_MS.NoTrt_F
PSMG3	0.27316	0.92	0.594	0.7	1 MS.Trt_vs_MS.NoTrt_F
PBRM1	0.27378	0.63126	0.683	0.79	1 MS.Trt_vs_MS.NoTrt_F
ZNF98	0.27412	-0.275	0.115	0.08	1 MS.Trt_vs_MS.NoTrt_F
HSD17B12	0.27416	-0.3307	0.457	0.52	1 MS.Trt_vs_MS.NoTrt_F
ATAD1	0.27419	0.56408	0.176	0.23	1 MS.Trt_vs_MS.NoTrt_F
PSMB9	0.27425	0.49536	0.748	0.8	1 MS.Trt_vs_MS.NoTrt_F
TALDO1	0.2744	0.49538	0.669	0.76	1 MS.Trt_vs_MS.NoTrt_F
WDR92	0.27457	-0.4433	0.705	0.73	1 MS.Trt_vs_MS.NoTrt_F
GABPB2	0.2746	0.51054	0.982	0.99	1 MS.Trt_vs_MS.NoTrt_F
AAED1	0.27498	0.71007	0.777	0.83	1 MS.Trt_vs_MS.NoTrt_F
ARHGAP27	0.27592	0.257	0.543	0.61	1 MS.Trt_vs_MS.NoTrt_F
DCAKD	0.27641	0.6703	0.374	0.44	1 MS.Trt_vs_MS.NoTrt_F
CCND3	0.27688	0.45496	0.54	0.64	1 MS.Trt_vs_MS.NoTrt_F
CHP2	0.27713	0.33258	0.406	0.53	1 MS.Trt_vs_MS.NoTrt_F
TTC28	0.27721	0.46608	0.378	0.44	1 MS.Trt_vs_MS.NoTrt_F
LRCH1	0.27771	0.74148	0.112	0.15	1 MS.Trt_vs_MS.NoTrt_F
SAR1A	0.27796	0.35148	0.745	0.74	1 MS.Trt_vs_MS.NoTrt_F
CD79B	0.27808	1.18518	0.151	0.2	1 MS.Trt_vs_MS.NoTrt_F
GLRX5	0.27813	0.59582	0.119	0.16	1 MS.Trt_vs_MS.NoTrt_F
ZNF549	0.27831	0.94314	0.673	0.73	1 MS.Trt_vs_MS.NoTrt_F
SMCR8	0.27877	0.6557	0.302	0.36	1 MS.Trt_vs_MS.NoTrt_F
ICE1	0.27901	1.24581	0.14	0.19	1 MS.Trt_vs_MS.NoTrt_F
NBPF10	0.27915	-0.3938	0.252	0.3	1 MS.Trt_vs_MS.NoTrt_F
SFXN2	0.27942	-0.3981	0.917	0.93	1 MS.Trt_vs_MS.NoTrt_F
MBD5	0.27953	-0.4602	0.835	0.82	1 MS.Trt_vs_MS.NoTrt_F
DRG1	0.27957	1.04314	0.191	0.25	1 MS.Trt_vs_MS.NoTrt_F
GOLGA6L22	0.27982	0.3787	0.421	0.41	1 MS.Trt_vs_MS.NoTrt_F
PRAMEF1	0.27989	0.26402	0.108	0.14	1 MS.Trt_vs_MS.NoTrt_F
COQ8A	0.27996	0.42833	0.644	0.7	1 MS.Trt_vs_MS.NoTrt_F
CREB3L4	0.28033	0.61139	0.374	0.44	1 MS.Trt_vs_MS.NoTrt_F
DNAJC1	0.28051	1.5661	0.137	0.18	1 MS.Trt_vs_MS.NoTrt_F
GGT5	0.28086	0.44213	0.737	0.75	1 MS.Trt_vs_MS.NoTrt_F
ATP5G1	0.28107	0.52707	0.317	0.38	1 MS.Trt_vs_MS.NoTrt_F
ZNF213	0.28129	0.90208	0.5	0.48	1 MS.Trt_vs_MS.NoTrt_F
IFIT3	0.28132	1.076	0.558	0.55	1 MS.Trt_vs_MS.NoTrt_F
TRIM66	0.28165	0.6262	0.489	0.55	1 MS.Trt_vs_MS.NoTrt_F
ZNF675	0.28207	0.59865	0.903	0.96	1 MS.Trt_vs_MS.NoTrt_F

ZNF578	0.28329	0.4238	0.946	0.97	1 MS.Trt_vs_MS.NoTrt_F
NFS1	0.28353	0.53693	0.906	0.92	1 MS.Trt_vs_MS.NoTrt_F
FBXW8	0.28482	-0.5451	0.331	0.38	1 MS.Trt_vs_MS.NoTrt_F
7-Mar	0.28495	1.08659	0.273	0.33	1 MS.Trt_vs_MS.NoTrt_F
ZNF559-ZNF	0.28504	0.28368	0.076	0.11	1 MS.Trt_vs_MS.NoTrt_F
PCBP1	0.28515	0.71357	0.464	0.56	1 MS.Trt_vs_MS.NoTrt_F
TTBK2	0.28515	-1.1502	0.529	0.55	1 MS.Trt_vs_MS.NoTrt_F
AKAP6	0.28528	0.71285	0.662	0.76	1 MS.Trt_vs_MS.NoTrt_F
RP11-80H18	0.28536	0.44233	0.306	0.37	1 MS.Trt_vs_MS.NoTrt_F
SYNC	0.28543	0.96605	0.191	0.25	1 MS.Trt_vs_MS.NoTrt_F
SUSD3	0.28637	0.27994	0.396	0.48	1 MS.Trt_vs_MS.NoTrt_F
FLG2	0.28644	-0.6448	0.457	0.5	1 MS.Trt_vs_MS.NoTrt_F
UBAP2	0.28659	-0.5058	0.683	0.75	1 MS.Trt_vs_MS.NoTrt_F
STXBP1	0.28703	-0.4125	0.076	0.11	1 MS.Trt_vs_MS.NoTrt_F
PMPCB	0.28766	0.51494	0.554	0.65	1 MS.Trt_vs_MS.NoTrt_F
PAPD4	0.28771	0.36572	0.299	0.36	1 MS.Trt_vs_MS.NoTrt_F
KMT5A	0.28817	0.58659	0.245	0.32	1 MS.Trt_vs_MS.NoTrt_F
STRADA	0.28823	0.37581	0.54	0.62	1 MS.Trt_vs_MS.NoTrt_F
SPIN1	0.28836	0.72219	0.194	0.24	1 MS.Trt_vs_MS.NoTrt_F
GPR89A	0.28886	0.89108	0.432	0.52	1 MS.Trt_vs_MS.NoTrt_F
ABR	0.28909	-0.3146	0.748	0.79	1 MS.Trt_vs_MS.NoTrt_F
RSAD2	0.28991	-0.6414	0.327	0.39	1 MS.Trt_vs_MS.NoTrt_F
AASS	0.28999	1.21058	0.353	0.44	1 MS.Trt_vs_MS.NoTrt_F
EPPK1	0.29012	1.15618	0.101	0.14	1 MS.Trt_vs_MS.NoTrt_F
PMS2	0.29017	0.34256	0.622	0.73	1 MS.Trt_vs_MS.NoTrt_F
ZNF516	0.2902	1.99253	0.09	0.12	1 MS.Trt_vs_MS.NoTrt_F
KLLN	0.29057	0.8572	0.432	0.52	1 MS.Trt_vs_MS.NoTrt_F
NUP50	0.2906	0.25986	0.673	0.75	1 MS.Trt_vs_MS.NoTrt_F
HERC2	0.29074	0.25826	0.856	0.91	1 MS.Trt_vs_MS.NoTrt_F
TMIGD2	0.29104	0.54433	0.252	0.3	1 MS.Trt_vs_MS.NoTrt_F
ARHGAP18	0.29107	0.40008	0.151	0.19	1 MS.Trt_vs_MS.NoTrt_F
SCYL3	0.29131	0.50394	0.712	0.72	1 MS.Trt_vs_MS.NoTrt_F
ZBTB11	0.29155	0.5598	0.529	0.61	1 MS.Trt_vs_MS.NoTrt_F
KIF3A	0.29158	0.51058	0.694	0.72	1 MS.Trt_vs_MS.NoTrt_F
TMEM25	0.29171	1.25316	0.396	0.48	1 MS.Trt_vs_MS.NoTrt_F
USP22	0.29211	0.65319	0.817	0.84	1 MS.Trt_vs_MS.NoTrt_F
ADAR	0.2923	-0.5877	0.809	0.8	1 MS.Trt_vs_MS.NoTrt_F
GM2A	0.29249	-0.3391	0.572	0.58	1 MS.Trt_vs_MS.NoTrt_F
ZFAND2A	0.29267	0.45264	0.122	0.16	1 MS.Trt_vs_MS.NoTrt_F
CEP250	0.29356	0.52415	0.784	0.87	1 MS.Trt_vs_MS.NoTrt_F

BECN1	0.29387	0.43701	0.727	0.79	1	MS.Trt_vs_MS.NoTrt_F
NOVA1	0.29414	-0.348	0.09	0.12	1	MS.Trt_vs_MS.NoTrt_F
GPX3	0.29441	-0.2747	0.104	0.14	1	MS.Trt_vs_MS.NoTrt_F
KIAA1671	0.2949	0.43419	0.507	0.62	1	MS.Trt_vs_MS.NoTrt_F
CNIH3	0.29528	-0.3734	0.191	0.23	1	MS.Trt_vs_MS.NoTrt_F
PMM2	0.29532	-0.5084	0.745	0.79	1	MS.Trt_vs_MS.NoTrt_F
NAGA	0.29577	1.2694	0.144	0.19	1	MS.Trt_vs_MS.NoTrt_F
MAPKAPK2	0.29652	0.31942	0.094	0.13	1	MS.Trt_vs_MS.NoTrt_F
MAGT1	0.29672	0.43886	0.82	0.84	1	MS.Trt_vs_MS.NoTrt_F
CDC26	0.29743	0.82266	0.248	0.33	1	MS.Trt_vs_MS.NoTrt_F
EFL1	0.29803	1.09203	0.151	0.19	1	MS.Trt_vs_MS.NoTrt_F
CEP70	0.29813	0.73504	0.162	0.2	1	MS.Trt_vs_MS.NoTrt_F
HEXA	0.2988	0.42447	0.701	0.77	1	MS.Trt_vs_MS.NoTrt_F
PPP1CC	0.29892	-0.2976	0.763	0.79	1	MS.Trt_vs_MS.NoTrt_F
CECR5	0.29946	0.46621	0.187	0.23	1	MS.Trt_vs_MS.NoTrt_F
SLC15A4	0.29982	0.36195	0.755	0.8	1	MS.Trt_vs_MS.NoTrt_F
SDR42E1	0.29983	-0.3153	0.378	0.45	1	MS.Trt_vs_MS.NoTrt_F
LPP	0.30023	-0.4103	0.957	0.96	1	MS.Trt_vs_MS.NoTrt_F
CARM1	0.30047	-0.2678	0.169	0.22	1	MS.Trt_vs_MS.NoTrt_F
PDGFRA	0.30049	-0.2802	0.219	0.28	1	MS.Trt_vs_MS.NoTrt_F
ST20	0.30055	0.2707	0.248	0.22	1	MS.Trt_vs_MS.NoTrt_F
ZHX1	0.30105	0.28587	0.565	0.61	1	MS.Trt_vs_MS.NoTrt_F
NUDCD2	0.30186	0.28774	0.77	0.76	1	MS.Trt_vs_MS.NoTrt_F
ZFYVE26	0.30255	0.34115	0.871	0.86	1	MS.Trt_vs_MS.NoTrt_F
VPS26A	0.30261	0.59359	0.378	0.42	1	MS.Trt_vs_MS.NoTrt_F
ZNF764	0.30264	0.76852	0.331	0.4	1	MS.Trt_vs_MS.NoTrt_F
CREG1	0.30266	0.76612	0.313	0.38	1	MS.Trt_vs_MS.NoTrt_F
TPMT	0.30266	0.25879	0.737	0.8	1	MS.Trt_vs_MS.NoTrt_F
SPOP	0.30295	-0.2981	0.946	0.98	1	MS.Trt_vs_MS.NoTrt_F
MOSPD1	0.30347	-0.8931	0.219	0.27	1	MS.Trt_vs_MS.NoTrt_F
STARD9	0.30359	0.35936	0.896	0.91	1	MS.Trt_vs_MS.NoTrt_F
FUBP3	0.30458	0.36294	0.115	0.16	1	MS.Trt_vs_MS.NoTrt_F
GATSL3	0.30504	0.44927	0.076	0.11	1	MS.Trt_vs_MS.NoTrt_F
B3GALT1	0.30542	0.27372	0.547	0.5	1	MS.Trt_vs_MS.NoTrt_F
CTSH	0.30543	0.74	0.108	0.14	1	MS.Trt_vs_MS.NoTrt_F
AEBP2	0.30577	1.28741	0.691	0.77	1	MS.Trt_vs_MS.NoTrt_F
ZNF524	0.3058	0.57078	0.147	0.19	1	MS.Trt_vs_MS.NoTrt_F
PLD3	0.30589	0.45669	0.723	0.82	1	MS.Trt_vs_MS.NoTrt_F
HINFP	0.3059	-0.3539	0.996	0.99	1	MS.Trt_vs_MS.NoTrt_F
TBC1D3I	0.30643	0.29723	0.245	0.29	1	MS.Trt_vs_MS.NoTrt_F

GTF2E2	0.30647	0.53797	0.604	0.7	1 MS.Trt_vs_MS.NoTrt_F
ELL2	0.3065	-0.5953	0.086	0.12	1 MS.Trt_vs_MS.NoTrt_F
FAM60A	0.30687	0.27254	0.504	0.56	1 MS.Trt_vs_MS.NoTrt_F
ABHD6	0.30701	0.80577	0.493	0.56	1 MS.Trt_vs_MS.NoTrt_F
CDH13	0.30704	0.32954	0.755	0.74	1 MS.Trt_vs_MS.NoTrt_F
RFX5	0.30729	0.78604	0.327	0.38	1 MS.Trt_vs_MS.NoTrt_F
SNAPC3	0.30758	0.50961	0.586	0.64	1 MS.Trt_vs_MS.NoTrt_F
LPAR4	0.30776	-0.8256	0.173	0.2	1 MS.Trt_vs_MS.NoTrt_F
HIST1H3E	0.30851	-0.4365	0.158	0.2	1 MS.Trt_vs_MS.NoTrt_F
GP1BA	0.3086	0.68347	0.076	0.11	1 MS.Trt_vs_MS.NoTrt_F
POLR1C	0.30897	0.84344	0.432	0.49	1 MS.Trt_vs_MS.NoTrt_F
HBB	0.30976	0.37265	0.104	0.14	1 MS.Trt_vs_MS.NoTrt_F
RABL6	0.31015	0.57961	0.572	0.6	1 MS.Trt_vs_MS.NoTrt_F
ADRM1	0.31028	0.51707	0.273	0.34	1 MS.Trt_vs_MS.NoTrt_F
CTSC	0.31029	0.30012	0.853	0.91	1 MS.Trt_vs_MS.NoTrt_F
ARIH1	0.31031	0.40301	0.96	0.97	1 MS.Trt_vs_MS.NoTrt_F
XRCC3	0.31048	-0.661	0.45	0.5	1 MS.Trt_vs_MS.NoTrt_F
INPP5F	0.31109	0.56767	0.317	0.38	1 MS.Trt_vs_MS.NoTrt_F
CORIN	0.31113	-0.3211	0.597	0.63	1 MS.Trt_vs_MS.NoTrt_F
PRKAB1	0.31225	-0.2744	0.788	0.79	1 MS.Trt_vs_MS.NoTrt_F
TRIM34	0.31237	1.6774	0.313	0.37	1 MS.Trt_vs_MS.NoTrt_F
SLC16A4	0.31243	0.57965	0.691	0.69	1 MS.Trt_vs_MS.NoTrt_F
EXTL2	0.31248	0.78061	0.094	0.13	1 MS.Trt_vs_MS.NoTrt_F
ACOX1	0.313	-0.3091	0.73	0.74	1 MS.Trt_vs_MS.NoTrt_F
PUS10	0.31301	-0.278	0.719	0.7	1 MS.Trt_vs_MS.NoTrt_F
SMPD4	0.31395	0.49605	0.302	0.34	1 MS.Trt_vs_MS.NoTrt_F
ZNF433	0.31433	1.09033	0.162	0.2	1 MS.Trt_vs_MS.NoTrt_F
MAP7D3	0.31436	0.79883	0.597	0.65	1 MS.Trt_vs_MS.NoTrt_F
PLOD3	0.31524	-0.4586	0.669	0.78	1 MS.Trt_vs_MS.NoTrt_F
RRM2	0.31563	0.27134	0.478	0.56	1 MS.Trt_vs_MS.NoTrt_F
HLTF	0.31566	1.17425	0.439	0.51	1 MS.Trt_vs_MS.NoTrt_F
LCA5L	0.31592	0.36739	0.41	0.5	1 MS.Trt_vs_MS.NoTrt_F
PMF1-BGLAI	0.31595	1.49057	0.122	0.17	1 MS.Trt_vs_MS.NoTrt_F
CRIM1	0.31667	1.00834	0.209	0.27	1 MS.Trt_vs_MS.NoTrt_F
XAF1	0.31677	0.52192	0.723	0.84	1 MS.Trt_vs_MS.NoTrt_F
FAAP20	0.31698	0.50784	0.899	0.87	1 MS.Trt_vs_MS.NoTrt_F
C17orf89	0.31699	1.51432	0.119	0.16	1 MS.Trt_vs_MS.NoTrt_F
PRPF40B	0.31713	0.78042	0.288	0.36	1 MS.Trt_vs_MS.NoTrt_F
MLST8	0.31737	-0.6846	0.421	0.48	1 MS.Trt_vs_MS.NoTrt_F
C1orf50	0.31742	0.35925	0.705	0.75	1 MS.Trt_vs_MS.NoTrt_F

ZNF687	0.3175	-0.343	0.644	0.7	1 MS.Trt_vs_MS.NoTrt_F
FSD1	0.31781	0.47704	0.432	0.42	1 MS.Trt_vs_MS.NoTrt_F
HSF2	0.31785	1.30321	0.115	0.16	1 MS.Trt_vs_MS.NoTrt_F
SP110	0.31814	0.50316	0.676	0.74	1 MS.Trt_vs_MS.NoTrt_F
RPS27L	0.3182	0.26928	0.982	0.99	1 MS.Trt_vs_MS.NoTrt_F
RTCA	0.31832	0.68502	0.576	0.64	1 MS.Trt_vs_MS.NoTrt_F
MASP2	0.31897	0.3068	0.295	0.34	1 MS.Trt_vs_MS.NoTrt_F
MAK	0.31963	0.37936	0.187	0.23	1 MS.Trt_vs_MS.NoTrt_F
PHLDA3	0.3206	0.27601	0.345	0.4	1 MS.Trt_vs_MS.NoTrt_F
FAM98B	0.32072	0.37106	0.432	0.5	1 MS.Trt_vs_MS.NoTrt_F
FAM129C	0.32103	0.2928	0.831	0.85	1 MS.Trt_vs_MS.NoTrt_F
COIL	0.32122	0.67157	0.151	0.19	1 MS.Trt_vs_MS.NoTrt_F
IMPDH2	0.32126	0.63607	0.223	0.28	1 MS.Trt_vs_MS.NoTrt_F
FPR2	0.32163	-0.5349	0.482	0.43	1 MS.Trt_vs_MS.NoTrt_F
LRRFIP1	0.32176	0.33945	0.989	1	1 MS.Trt_vs_MS.NoTrt_F
SPDYE2B	0.3222	0.77443	0.299	0.4	1 MS.Trt_vs_MS.NoTrt_F
ZNF17	0.32252	1.28231	0.324	0.39	1 MS.Trt_vs_MS.NoTrt_F
SKA2	0.32253	0.53541	0.594	0.63	1 MS.Trt_vs_MS.NoTrt_F
LZIC	0.32497	-0.3911	0.817	0.85	1 MS.Trt_vs_MS.NoTrt_F
SMG9	0.32545	0.69763	0.594	0.66	1 MS.Trt_vs_MS.NoTrt_F
UBE2R2	0.3262	0.70586	0.108	0.14	1 MS.Trt_vs_MS.NoTrt_F
ARSB	0.32658	0.83825	0.615	0.59	1 MS.Trt_vs_MS.NoTrt_F
GDPGP1	0.32665	0.44438	0.924	0.96	1 MS.Trt_vs_MS.NoTrt_F
ABCB8	0.32672	0.60551	0.633	0.56	1 MS.Trt_vs_MS.NoTrt_F
SPHK2	0.3275	-0.3043	0.324	0.37	1 MS.Trt_vs_MS.NoTrt_F
PRKCSH	0.32754	0.5547	0.716	0.72	1 MS.Trt_vs_MS.NoTrt_F
CASP4	0.32756	0.31625	0.396	0.46	1 MS.Trt_vs_MS.NoTrt_F
ZHX3	0.32768	0.53772	0.36	0.41	1 MS.Trt_vs_MS.NoTrt_F
CLN8	0.32775	0.55334	0.799	0.8	1 MS.Trt_vs_MS.NoTrt_F
ELMOD3	0.32791	0.39954	0.86	0.93	1 MS.Trt_vs_MS.NoTrt_F
SLC11A1	0.32792	0.26984	0.95	0.93	1 MS.Trt_vs_MS.NoTrt_F
ANGPT2	0.32916	0.44485	0.795	0.76	1 MS.Trt_vs_MS.NoTrt_F
RIT1	0.32936	1.08554	0.424	0.5	1 MS.Trt_vs_MS.NoTrt_F
SLC25A42	0.3294	0.93226	0.536	0.61	1 MS.Trt_vs_MS.NoTrt_F
CTD-2370NE	0.32952	0.39898	0.165	0.21	1 MS.Trt_vs_MS.NoTrt_F
AK3	0.32955	-0.5067	0.5	0.51	1 MS.Trt_vs_MS.NoTrt_F
FUT4	0.32968	0.4009	0.353	0.4	1 MS.Trt_vs_MS.NoTrt_F
TOE1	0.3305	0.5289	0.101	0.13	1 MS.Trt_vs_MS.NoTrt_F
RDH11	0.33052	0.2557	0.504	0.55	1 MS.Trt_vs_MS.NoTrt_F
PRC1	0.33069	0.34468	0.554	0.65	1 MS.Trt_vs_MS.NoTrt_F

KNTC1	0.33121	1.23489	0.813	0.8	1 MS.Trt_vs_MS.NoTrt_F
ARID5B	0.33205	0.64681	0.773	0.84	1 MS.Trt_vs_MS.NoTrt_F
SUDS3	0.33256	-0.8788	0.813	0.81	1 MS.Trt_vs_MS.NoTrt_F
RPS17	0.33275	0.72508	0.417	0.46	1 MS.Trt_vs_MS.NoTrt_F
XPOT	0.33293	0.38923	0.457	0.5	1 MS.Trt_vs_MS.NoTrt_F
NARF	0.33304	-0.2717	0.946	0.97	1 MS.Trt_vs_MS.NoTrt_F
ZNF487	0.33332	-0.6401	0.482	0.53	1 MS.Trt_vs_MS.NoTrt_F
ZNF493	0.33334	0.7278	0.827	0.8	1 MS.Trt_vs_MS.NoTrt_F
CXCL16	0.33348	0.33302	0.622	0.61	1 MS.Trt_vs_MS.NoTrt_F
LIMD1	0.33369	-0.5462	0.827	0.87	1 MS.Trt_vs_MS.NoTrt_F
FBXO46	0.33473	0.51837	0.295	0.34	1 MS.Trt_vs_MS.NoTrt_F
RINT1	0.33506	0.37521	0.55	0.62	1 MS.Trt_vs_MS.NoTrt_F
PHACTR2	0.33526	0.68095	0.637	0.69	1 MS.Trt_vs_MS.NoTrt_F
NLRP3	0.33536	1.78738	0.23	0.29	1 MS.Trt_vs_MS.NoTrt_F
TOR1AIP2	0.33601	0.5543	0.982	0.99	1 MS.Trt_vs_MS.NoTrt_F
COLGALT1	0.3361	0.59893	0.468	0.54	1 MS.Trt_vs_MS.NoTrt_F
RPGRIP1L	0.33614	0.50592	0.755	0.74	1 MS.Trt_vs_MS.NoTrt_F
NIN	0.33659	0.34331	0.219	0.27	1 MS.Trt_vs_MS.NoTrt_F
CTSL	0.337	1.62772	0.137	0.11	1 MS.Trt_vs_MS.NoTrt_F
CYP46A1	0.33736	0.7456	0.55	0.6	1 MS.Trt_vs_MS.NoTrt_F
GCDH	0.33788	0.62332	0.194	0.24	1 MS.Trt_vs_MS.NoTrt_F
PTRH1	0.33837	0.75552	0.712	0.74	1 MS.Trt_vs_MS.NoTrt_F
RBM19	0.33847	0.53566	0.45	0.53	1 MS.Trt_vs_MS.NoTrt_F
NEPRO	0.33859	-0.4946	0.219	0.25	1 MS.Trt_vs_MS.NoTrt_F
NBR1	0.33918	-0.3228	0.781	0.81	1 MS.Trt_vs_MS.NoTrt_F
KCNC4	0.33953	0.79767	0.701	0.82	1 MS.Trt_vs_MS.NoTrt_F
HN1L	0.33965	0.59113	0.327	0.39	1 MS.Trt_vs_MS.NoTrt_F
SELL	0.34012	0.32072	0.55	0.69	1 MS.Trt_vs_MS.NoTrt_F
COG6	0.34036	0.89272	0.176	0.22	1 MS.Trt_vs_MS.NoTrt_F
CNIH4	0.34039	0.2933	0.615	0.65	1 MS.Trt_vs_MS.NoTrt_F
PCIF1	0.34121	0.54381	0.32	0.4	1 MS.Trt_vs_MS.NoTrt_F
KCTD10	0.34124	1.20299	0.414	0.37	1 MS.Trt_vs_MS.NoTrt_F
TCOF1	0.34132	0.3927	0.773	0.88	1 MS.Trt_vs_MS.NoTrt_F
SLC25A51	0.34142	-0.6638	0.59	0.64	1 MS.Trt_vs_MS.NoTrt_F
APMAP	0.34166	0.76916	0.209	0.26	1 MS.Trt_vs_MS.NoTrt_F
ZNF93	0.34214	0.41741	0.525	0.6	1 MS.Trt_vs_MS.NoTrt_F
ATM	0.3422	0.56317	0.957	0.95	1 MS.Trt_vs_MS.NoTrt_F
APOE	0.34303	0.30049	0.719	0.81	1 MS.Trt_vs_MS.NoTrt_F
SCRG1	0.34305	0.30358	0.763	0.75	1 MS.Trt_vs_MS.NoTrt_F
H1FX	0.34373	1.15868	0.09	0.12	1 MS.Trt_vs_MS.NoTrt_F

CERKL	0.34426	0.5034	0.36	0.45	1 MS.Trt_vs_MS.NoTrt_F
STT3B	0.34434	0.72235	0.604	0.58	1 MS.Trt_vs_MS.NoTrt_F
PDCD7	0.34459	0.34913	0.442	0.48	1 MS.Trt_vs_MS.NoTrt_F
FANCC	0.3446	-0.3305	0.313	0.34	1 MS.Trt_vs_MS.NoTrt_F
DPY19L3	0.34481	-0.4065	0.903	0.93	1 MS.Trt_vs_MS.NoTrt_F
RP11-577H5	0.34489	1.04477	0.133	0.17	1 MS.Trt_vs_MS.NoTrt_F
MYL6	0.345	0.4821	0.712	0.88	1 MS.Trt_vs_MS.NoTrt_F
THBS4	0.3452	1.21903	0.086	0.12	1 MS.Trt_vs_MS.NoTrt_F
POMT2	0.34554	0.26946	0.942	0.95	1 MS.Trt_vs_MS.NoTrt_F
PFAS	0.34607	0.34376	0.601	0.58	1 MS.Trt_vs_MS.NoTrt_F
LAMP3	0.34726	0.68647	0.446	0.55	1 MS.Trt_vs_MS.NoTrt_F
IST1	0.34738	0.28699	0.644	0.72	1 MS.Trt_vs_MS.NoTrt_F
FUT3	0.34781	-0.3137	0.219	0.27	1 MS.Trt_vs_MS.NoTrt_F
PSTPIP1	0.34836	0.37649	0.46	0.51	1 MS.Trt_vs_MS.NoTrt_F
CSF1R	0.34838	-0.8322	0.223	0.27	1 MS.Trt_vs_MS.NoTrt_F
RP11-552F3	0.34869	-0.4056	0.201	0.24	1 MS.Trt_vs_MS.NoTrt_F
CCNG1	0.34915	0.81088	0.27	0.34	1 MS.Trt_vs_MS.NoTrt_F
C1orf159	0.34922	1.25269	0.183	0.23	1 MS.Trt_vs_MS.NoTrt_F
HDDC3	0.34948	-0.9843	0.385	0.43	1 MS.Trt_vs_MS.NoTrt_F
FAM110D	0.34979	0.39124	0.464	0.47	1 MS.Trt_vs_MS.NoTrt_F
IL10RB	0.34985	1.15819	0.457	0.51	1 MS.Trt_vs_MS.NoTrt_F
ABHD2	0.35025	0.61853	0.651	0.69	1 MS.Trt_vs_MS.NoTrt_F
GFOD1	0.35115	1.16694	0.626	0.66	1 MS.Trt_vs_MS.NoTrt_F
ZNF805	0.3513	1.16238	0.766	0.79	1 MS.Trt_vs_MS.NoTrt_F
RPL36AL	0.35141	0.57565	0.525	0.72	1 MS.Trt_vs_MS.NoTrt_F
IL4R	0.35144	-0.7472	0.478	0.49	1 MS.Trt_vs_MS.NoTrt_F
IREB2	0.35167	-0.316	0.748	0.83	1 MS.Trt_vs_MS.NoTrt_F
XYLT2	0.35224	0.72709	0.647	0.63	1 MS.Trt_vs_MS.NoTrt_F
BHMT	0.35235	0.33462	0.522	0.57	1 MS.Trt_vs_MS.NoTrt_F
MICAL2	0.35311	0.72096	0.795	0.86	1 MS.Trt_vs_MS.NoTrt_F
ZNF257	0.35316	0.29899	0.572	0.51	1 MS.Trt_vs_MS.NoTrt_F
OR7A5	0.35317	0.25885	0.428	0.5	1 MS.Trt_vs_MS.NoTrt_F
ABHD11	0.35325	-0.4529	0.59	0.69	1 MS.Trt_vs_MS.NoTrt_F
IGFBP2	0.3533	0.25642	0.637	0.64	1 MS.Trt_vs_MS.NoTrt_F
ANKMY1	0.35377	0.26679	0.374	0.44	1 MS.Trt_vs_MS.NoTrt_F
TEX101	0.3538	1.17642	0.086	0.12	1 MS.Trt_vs_MS.NoTrt_F
GVQW1	0.35481	0.31541	0.532	0.5	1 MS.Trt_vs_MS.NoTrt_F
ZNF264	0.3549	0.87147	0.953	0.95	1 MS.Trt_vs_MS.NoTrt_F
DNAJC22	0.35495	-0.4331	0.349	0.4	1 MS.Trt_vs_MS.NoTrt_F
MAEL	0.35498	0.26857	0.572	0.54	1 MS.Trt_vs_MS.NoTrt_F



GTF2H4	0.35504	0.31851	0.137	0.18	1	MS.Trt_vs_MS.NoTrt_F
TMED10	0.35516	0.33507	0.669	0.71	1	MS.Trt_vs_MS.NoTrt_F
WDR33	0.35542	0.56006	0.277	0.33	1	MS.Trt_vs_MS.NoTrt_F
PDP2	0.35592	-0.6498	0.795	0.8	1	MS.Trt_vs_MS.NoTrt_F
VAV3	0.35625	-0.5831	0.604	0.6	1	MS.Trt_vs_MS.NoTrt_F
PURB	0.35665	-0.4354	0.478	0.45	1	MS.Trt_vs_MS.NoTrt_F
CDNF	0.35665	0.76032	0.227	0.28	1	MS.Trt_vs_MS.NoTrt_F
ZNF414	0.3574	0.25888	0.687	0.67	1	MS.Trt_vs_MS.NoTrt_F
DLGAP1	0.35818	0.69895	0.381	0.38	1	MS.Trt_vs_MS.NoTrt_F
FCER1G	0.35866	0.86382	0.705	0.72	1	MS.Trt_vs_MS.NoTrt_F
TRIM68	0.3587	-0.5265	0.561	0.62	1	MS.Trt_vs_MS.NoTrt_F
ZRANB3	0.35879	0.33764	0.698	0.76	1	MS.Trt_vs_MS.NoTrt_F
NDUFA10	0.35965	0.47541	0.335	0.39	1	MS.Trt_vs_MS.NoTrt_F
TMEM64	0.36022	0.3513	0.385	0.46	1	MS.Trt_vs_MS.NoTrt_F
FMNL3	0.36042	0.54878	0.327	0.39	1	MS.Trt_vs_MS.NoTrt_F
UBE2J2	0.36188	0.64982	0.338	0.39	1	MS.Trt_vs_MS.NoTrt_F
ACSF2	0.36209	0.69908	0.446	0.54	1	MS.Trt_vs_MS.NoTrt_F
RUBCN	0.36254	0.27904	0.867	0.9	1	MS.Trt_vs_MS.NoTrt_F
SIMC1	0.36274	1.03258	0.439	0.53	1	MS.Trt_vs_MS.NoTrt_F
KLHL11	0.36284	0.7969	0.504	0.59	1	MS.Trt_vs_MS.NoTrt_F
AMT	0.36347	0.63419	0.424	0.46	1	MS.Trt_vs_MS.NoTrt_F
CCDC138	0.3637	-0.291	0.187	0.22	1	MS.Trt_vs_MS.NoTrt_F
POLH	0.36392	-0.5193	0.586	0.61	1	MS.Trt_vs_MS.NoTrt_F
EPS15	0.36397	0.29422	0.687	0.72	1	MS.Trt_vs_MS.NoTrt_F
MFAP1	0.36502	0.45648	0.14	0.18	1	MS.Trt_vs_MS.NoTrt_F
GHRL	0.36557	0.95018	0.129	0.17	1	MS.Trt_vs_MS.NoTrt_F
BCL2L1	0.36592	0.41749	0.23	0.28	1	MS.Trt_vs_MS.NoTrt_F
ZNF225	0.3661	-0.5215	0.745	0.79	1	MS.Trt_vs_MS.NoTrt_F
COQ9	0.36797	1.22672	0.133	0.17	1	MS.Trt_vs_MS.NoTrt_F
MRPL12	0.36802	1.87237	0.09	0.12	1	MS.Trt_vs_MS.NoTrt_F
TKFC	0.36834	0.54884	0.525	0.61	1	MS.Trt_vs_MS.NoTrt_F
BCL2L11	0.36875	0.67717	0.504	0.55	1	MS.Trt_vs_MS.NoTrt_F
HSD11B1L	0.36898	0.28865	0.709	0.7	1	MS.Trt_vs_MS.NoTrt_F
MRPS11	0.36905	-0.415	0.698	0.76	1	MS.Trt_vs_MS.NoTrt_F
STRN4	0.36929	0.63133	0.478	0.55	1	MS.Trt_vs_MS.NoTrt_F
MCAM	0.36993	-0.5303	0.471	0.53	1	MS.Trt_vs_MS.NoTrt_F
AP003419.1	0.37037	0.6116	0.219	0.28	1	MS.Trt_vs_MS.NoTrt_F
PITPNM1	0.37104	1.07852	0.27	0.32	1	MS.Trt_vs_MS.NoTrt_F
USP28	0.37212	0.59691	0.392	0.44	1	MS.Trt_vs_MS.NoTrt_F
STXBP3	0.37291	-0.3913	0.68	0.65	1	MS.Trt_vs_MS.NoTrt_F

GIT2	0.37344	0.29117	0.694	0.76	1	MS.Trt_vs_MS.NoTrt_F
EIF3B	0.37383	0.84025	0.353	0.4	1	MS.Trt_vs_MS.NoTrt_F
CACNB1	0.37418	0.66358	0.147	0.18	1	MS.Trt_vs_MS.NoTrt_F
RNF130	0.37457	0.65379	0.676	0.69	1	MS.Trt_vs_MS.NoTrt_F
KCTD18	0.37638	0.31463	0.755	0.86	1	MS.Trt_vs_MS.NoTrt_F
LINS1	0.37651	0.355	0.586	0.69	1	MS.Trt_vs_MS.NoTrt_F
RNASEH2B	0.37704	0.36155	0.719	0.79	1	MS.Trt_vs_MS.NoTrt_F
TAF6	0.3772	-0.3198	0.532	0.58	1	MS.Trt_vs_MS.NoTrt_F
DNAJC3	0.3772	0.72838	0.532	0.63	1	MS.Trt_vs_MS.NoTrt_F
QSOX1	0.37725	0.4295	0.385	0.43	1	MS.Trt_vs_MS.NoTrt_F
MANF	0.37771	1.14602	0.083	0.11	1	MS.Trt_vs_MS.NoTrt_F
STMN1	0.37807	-0.3457	0.727	0.73	1	MS.Trt_vs_MS.NoTrt_F
ZNF326	0.37817	-0.5087	0.608	0.62	1	MS.Trt_vs_MS.NoTrt_F
HMGCS1	0.37854	-0.4342	0.558	0.62	1	MS.Trt_vs_MS.NoTrt_F
FKBP2	0.37879	1.14461	0.137	0.18	1	MS.Trt_vs_MS.NoTrt_F
UST	0.37897	0.37408	0.277	0.33	1	MS.Trt_vs_MS.NoTrt_F
MEGF6	0.37914	1.3975	0.144	0.18	1	MS.Trt_vs_MS.NoTrt_F
LRRC58	0.37938	0.59234	0.712	0.74	1	MS.Trt_vs_MS.NoTrt_F
CTNNB1	0.38105	0.3378	0.626	0.72	1	MS.Trt_vs_MS.NoTrt_F
CNN3	0.38134	0.8152	0.255	0.3	1	MS.Trt_vs_MS.NoTrt_F
TM9SF3	0.38164	0.99025	0.198	0.24	1	MS.Trt_vs_MS.NoTrt_F
GPR89B	0.38169	0.26254	0.396	0.44	1	MS.Trt_vs_MS.NoTrt_F
DFFA	0.38207	0.3451	0.946	0.97	1	MS.Trt_vs_MS.NoTrt_F
PLLP	0.38217	0.2704	0.939	0.94	1	MS.Trt_vs_MS.NoTrt_F
GEMIN2	0.38247	0.80423	0.68	0.71	1	MS.Trt_vs_MS.NoTrt_F
MAPKAPK5	0.3825	-0.388	0.932	0.94	1	MS.Trt_vs_MS.NoTrt_F
ZNF274	0.38303	-0.2615	0.64	0.7	1	MS.Trt_vs_MS.NoTrt_F
ALG2	0.38339	1.12961	0.133	0.17	1	MS.Trt_vs_MS.NoTrt_F
MATN2	0.38351	0.45425	0.518	0.56	1	MS.Trt_vs_MS.NoTrt_F
ZNF619	0.38387	0.29175	0.723	0.76	1	MS.Trt_vs_MS.NoTrt_F
ESPL1	0.38391	0.84215	0.698	0.69	1	MS.Trt_vs_MS.NoTrt_F
ELK4	0.3841	0.32338	0.543	0.6	1	MS.Trt_vs_MS.NoTrt_F
CHRAC1	0.38433	-0.4834	0.511	0.54	1	MS.Trt_vs_MS.NoTrt_F
TMEM218	0.38439	0.42728	0.162	0.2	1	MS.Trt_vs_MS.NoTrt_F
TBX6	0.38445	0.29069	0.46	0.51	1	MS.Trt_vs_MS.NoTrt_F
TNFAIP2	0.38477	0.83134	0.331	0.39	1	MS.Trt_vs_MS.NoTrt_F
RABL2B	0.38544	-0.4059	0.896	0.91	1	MS.Trt_vs_MS.NoTrt_F
TRIQK	0.38566	0.53685	0.547	0.5	1	MS.Trt_vs_MS.NoTrt_F
SATB1	0.38577	1.13258	0.194	0.25	1	MS.Trt_vs_MS.NoTrt_F
RMND5A	0.38578	1.53468	0.331	0.32	1	MS.Trt_vs_MS.NoTrt_F

NDUFB2	0.3858	0.52815	0.932	0.95	1	MS.Trt_vs_MS.NoTrt_F
LINC00116	0.38604	1.24485	0.169	0.21	1	MS.Trt_vs_MS.NoTrt_F
C1orf112	0.38681	0.70964	0.468	0.55	1	MS.Trt_vs_MS.NoTrt_F
ZFX	0.38689	0.4666	0.622	0.72	1	MS.Trt_vs_MS.NoTrt_F
CANX	0.38721	0.28047	0.705	0.74	1	MS.Trt_vs_MS.NoTrt_F
CYP51A1	0.38729	0.90941	0.46	0.54	1	MS.Trt_vs_MS.NoTrt_F
C2orf88	0.38831	-0.4291	0.335	0.38	1	MS.Trt_vs_MS.NoTrt_F
CDKL1	0.38845	0.54038	0.651	0.73	1	MS.Trt_vs_MS.NoTrt_F
EGR1	0.38961	2.57181	0.14	0.12	1	MS.Trt_vs_MS.NoTrt_F
RP4-635E18	0.38972	0.85623	0.234	0.29	1	MS.Trt_vs_MS.NoTrt_F
CTIF	0.39041	1.21838	0.248	0.29	1	MS.Trt_vs_MS.NoTrt_F
USP48	0.39048	0.53838	0.568	0.62	1	MS.Trt_vs_MS.NoTrt_F
UBE2D4	0.39085	1.13929	0.719	0.64	1	MS.Trt_vs_MS.NoTrt_F
MAPK9	0.39103	1.33227	0.457	0.5	1	MS.Trt_vs_MS.NoTrt_F
SLC5A10	0.3914	0.50621	0.101	0.13	1	MS.Trt_vs_MS.NoTrt_F
APC	0.39154	-0.279	0.522	0.46	1	MS.Trt_vs_MS.NoTrt_F
SENP2	0.39182	0.39884	0.813	0.88	1	MS.Trt_vs_MS.NoTrt_F
RABL2A	0.3922	-0.3771	0.561	0.56	1	MS.Trt_vs_MS.NoTrt_F
KIF3B	0.39237	0.35425	0.45	0.49	1	MS.Trt_vs_MS.NoTrt_F
SOCS7	0.3929	0.66949	0.45	0.51	1	MS.Trt_vs_MS.NoTrt_F
TMEM68	0.39338	-0.3113	0.892	0.93	1	MS.Trt_vs_MS.NoTrt_F
TMA7	0.39413	0.68531	0.576	0.79	1	MS.Trt_vs_MS.NoTrt_F
ITGA4	0.39532	0.55865	0.252	0.3	1	MS.Trt_vs_MS.NoTrt_F
NKAP	0.39558	0.32616	0.946	0.94	1	MS.Trt_vs_MS.NoTrt_F
TIGAR	0.39563	0.43611	0.896	0.91	1	MS.Trt_vs_MS.NoTrt_F
CHRNA1	0.39614	0.56513	0.586	0.6	1	MS.Trt_vs_MS.NoTrt_F
TTC19	0.3963	0.26258	0.788	0.79	1	MS.Trt_vs_MS.NoTrt_F
NABP2	0.39697	0.44874	0.529	0.48	1	MS.Trt_vs_MS.NoTrt_F
TMEM144	0.39721	0.33477	0.209	0.24	1	MS.Trt_vs_MS.NoTrt_F
ZC2HC1C	0.3976	0.29718	0.14	0.17	1	MS.Trt_vs_MS.NoTrt_F
TP53BP1	0.39777	0.6501	0.32	0.37	1	MS.Trt_vs_MS.NoTrt_F
FCRL3	0.39792	0.98763	0.291	0.38	1	MS.Trt_vs_MS.NoTrt_F
SIRT3	0.39796	-0.3871	0.367	0.41	1	MS.Trt_vs_MS.NoTrt_F
MVK	0.3987	0.9632	0.097	0.13	1	MS.Trt_vs_MS.NoTrt_F
ATP6V0A2	0.39911	-0.3374	0.95	0.97	1	MS.Trt_vs_MS.NoTrt_F
GPRIN3	0.39914	0.32226	0.504	0.56	1	MS.Trt_vs_MS.NoTrt_F
DCAF13	0.39951	0.9696	0.662	0.72	1	MS.Trt_vs_MS.NoTrt_F
ANK1	0.40006	1.15945	0.234	0.27	1	MS.Trt_vs_MS.NoTrt_F
ALG8	0.40054	-0.4725	0.489	0.51	1	MS.Trt_vs_MS.NoTrt_F
PRKCD	0.40078	0.40555	0.489	0.55	1	MS.Trt_vs_MS.NoTrt_F

EPAS1	0.40356	2.09482	0.108	0.14	1	MS.Trt_vs_MS.NoTrt_F
RBM6	0.40399	0.30078	0.871	0.99	1	MS.Trt_vs_MS.NoTrt_F
SH3RF2	0.40447	0.70949	0.216	0.19	1	MS.Trt_vs_MS.NoTrt_F
KIAA0319L	0.40449	-0.4389	0.683	0.75	1	MS.Trt_vs_MS.NoTrt_F
POU5F1B	0.40484	0.36876	0.385	0.45	1	MS.Trt_vs_MS.NoTrt_F
SGO1	0.40485	0.27561	0.522	0.59	1	MS.Trt_vs_MS.NoTrt_F
PECR	0.40491	0.30674	0.691	0.72	1	MS.Trt_vs_MS.NoTrt_F
EIF5	0.40528	0.55457	0.583	0.6	1	MS.Trt_vs_MS.NoTrt_F
TUBE1	0.40549	0.66421	0.514	0.55	1	MS.Trt_vs_MS.NoTrt_F
B9D2	0.4059	0.54369	0.381	0.43	1	MS.Trt_vs_MS.NoTrt_F
ZNF292	0.40592	0.4998	0.781	0.83	1	MS.Trt_vs_MS.NoTrt_F
RASAL2	0.40596	0.35728	0.511	0.56	1	MS.Trt_vs_MS.NoTrt_F
DZANK1	0.40611	0.25767	0.701	0.7	1	MS.Trt_vs_MS.NoTrt_F
NIPAL1	0.40621	-0.4704	0.432	0.49	1	MS.Trt_vs_MS.NoTrt_F
PQLC1	0.40638	0.50373	0.453	0.54	1	MS.Trt_vs_MS.NoTrt_F
HPS5	0.40641	-0.6559	0.86	0.82	1	MS.Trt_vs_MS.NoTrt_F
ZNF215	0.40701	0.36364	0.421	0.5	1	MS.Trt_vs_MS.NoTrt_F
STX2	0.4073	0.49431	0.478	0.52	1	MS.Trt_vs_MS.NoTrt_F
CCDC157	0.4074	0.48035	0.665	0.7	1	MS.Trt_vs_MS.NoTrt_F
SYF2	0.40766	0.37674	0.414	0.48	1	MS.Trt_vs_MS.NoTrt_F
SERPINB9	0.40874	0.57141	0.799	0.84	1	MS.Trt_vs_MS.NoTrt_F
RFC5	0.409	0.31116	0.176	0.21	1	MS.Trt_vs_MS.NoTrt_F
MAP2K6	0.40939	0.4763	0.378	0.44	1	MS.Trt_vs_MS.NoTrt_F
ZNF140	0.40974	0.84216	0.187	0.23	1	MS.Trt_vs_MS.NoTrt_F
ANO10	0.41001	-0.4779	0.615	0.66	1	MS.Trt_vs_MS.NoTrt_F
THUMPD1	0.41002	0.25524	0.788	0.81	1	MS.Trt_vs_MS.NoTrt_F
FAM98C	0.41037	-0.2903	0.968	0.99	1	MS.Trt_vs_MS.NoTrt_F
CASP2	0.41106	0.45868	0.806	0.89	1	MS.Trt_vs_MS.NoTrt_F
SIPA1L1	0.41137	0.66651	0.576	0.6	1	MS.Trt_vs_MS.NoTrt_F
MRE11A	0.41158	0.3979	0.752	0.82	1	MS.Trt_vs_MS.NoTrt_F
EXD2	0.41197	0.44283	0.212	0.25	1	MS.Trt_vs_MS.NoTrt_F
LAT2	0.41201	0.35418	0.813	0.88	1	MS.Trt_vs_MS.NoTrt_F
FGF23	0.41208	0.2686	0.817	0.85	1	MS.Trt_vs_MS.NoTrt_F
MPV17L2	0.41224	0.81233	0.234	0.28	1	MS.Trt_vs_MS.NoTrt_F
PLXDC2	0.41363	0.3966	0.698	0.69	1	MS.Trt_vs_MS.NoTrt_F
C14orf119	0.41389	0.31907	0.529	0.56	1	MS.Trt_vs_MS.NoTrt_F
CHPT1	0.41463	0.80181	0.626	0.61	1	MS.Trt_vs_MS.NoTrt_F
ZNF785	0.41529	-0.339	0.881	0.93	1	MS.Trt_vs_MS.NoTrt_F
ZNF133	0.4165	-0.6665	0.464	0.43	1	MS.Trt_vs_MS.NoTrt_F
OLFML1	0.41669	0.32118	0.241	0.28	1	MS.Trt_vs_MS.NoTrt_F

WARS	0.41743	0.58515	0.295	0.34	1 MS.Trt_vs_MS.NoTrt_F
ZBTB25	0.41824	0.50437	0.975	0.98	1 MS.Trt_vs_MS.NoTrt_F
KCMF1	0.41836	1.34881	0.518	0.55	1 MS.Trt_vs_MS.NoTrt_F
SYT11	0.41847	0.509	0.604	0.68	1 MS.Trt_vs_MS.NoTrt_F
TAF8	0.41894	-0.5097	0.968	0.97	1 MS.Trt_vs_MS.NoTrt_F
CD302	0.41903	1.10663	0.396	0.35	1 MS.Trt_vs_MS.NoTrt_F
TRMT5	0.42011	-0.7106	0.209	0.23	1 MS.Trt_vs_MS.NoTrt_F
CCDC163	0.42047	0.86047	0.586	0.55	1 MS.Trt_vs_MS.NoTrt_F
HSPBAP1	0.42058	0.49936	0.525	0.57	1 MS.Trt_vs_MS.NoTrt_F
DCP1A	0.42088	0.39279	0.367	0.4	1 MS.Trt_vs_MS.NoTrt_F
ZNF613	0.42093	1.22009	0.36	0.42	1 MS.Trt_vs_MS.NoTrt_F
PPIE	0.42106	0.73592	0.781	0.82	1 MS.Trt_vs_MS.NoTrt_F
KIF22	0.42175	0.44187	0.198	0.24	1 MS.Trt_vs_MS.NoTrt_F
MTHFR	0.42178	0.72084	0.799	0.9	1 MS.Trt_vs_MS.NoTrt_F
PAAF1	0.42299	-0.5029	0.95	0.99	1 MS.Trt_vs_MS.NoTrt_F
ZNF345	0.42303	-0.7408	0.795	0.85	1 MS.Trt_vs_MS.NoTrt_F
CCDC152	0.42327	-1.1778	0.237	0.27	1 MS.Trt_vs_MS.NoTrt_F
FAM20B	0.42394	0.35773	0.594	0.62	1 MS.Trt_vs_MS.NoTrt_F
SASH1	0.42424	0.79825	0.309	0.34	1 MS.Trt_vs_MS.NoTrt_F
PSPC1	0.42473	0.32577	0.335	0.38	1 MS.Trt_vs_MS.NoTrt_F
APOD	0.42509	1.63718	0.227	0.26	1 MS.Trt_vs_MS.NoTrt_F
F2R	0.42522	1.14925	0.558	0.56	1 MS.Trt_vs_MS.NoTrt_F
RAPGEF2	0.42541	-0.7307	0.371	0.41	1 MS.Trt_vs_MS.NoTrt_F
MYO1C	0.42548	1.86467	0.201	0.25	1 MS.Trt_vs_MS.NoTrt_F
NOSTRIN	0.42655	0.48841	0.374	0.35	1 MS.Trt_vs_MS.NoTrt_F
TMEM268	0.42678	-0.3915	0.496	0.54	1 MS.Trt_vs_MS.NoTrt_F
ESAM	0.42678	1.20627	0.165	0.2	1 MS.Trt_vs_MS.NoTrt_F
GLRX3	0.42802	0.50681	0.827	0.85	1 MS.Trt_vs_MS.NoTrt_F
IFI6	0.42851	0.65917	0.374	0.44	1 MS.Trt_vs_MS.NoTrt_F
ZNF835	0.42863	0.44772	0.586	0.64	1 MS.Trt_vs_MS.NoTrt_F
COPS5	0.42958	-0.6109	0.824	0.88	1 MS.Trt_vs_MS.NoTrt_F
CCDC88A	0.42996	0.38194	0.658	0.67	1 MS.Trt_vs_MS.NoTrt_F
ZNF284	0.43007	0.5381	0.576	0.61	1 MS.Trt_vs_MS.NoTrt_F
CKAP4	0.43012	1.58578	0.126	0.16	1 MS.Trt_vs_MS.NoTrt_F
EHBP1	0.43015	0.36991	0.435	0.46	1 MS.Trt_vs_MS.NoTrt_F
NME9	0.43065	1.48373	0.241	0.29	1 MS.Trt_vs_MS.NoTrt_F
RFC2	0.43136	0.38816	0.665	0.77	1 MS.Trt_vs_MS.NoTrt_F
WIP1	0.43178	0.26154	0.824	0.89	1 MS.Trt_vs_MS.NoTrt_F
DCBLD1	0.43209	-0.5549	0.543	0.58	1 MS.Trt_vs_MS.NoTrt_F
SCFD1	0.43247	0.39585	0.741	0.76	1 MS.Trt_vs_MS.NoTrt_F

ZNF208	0.43256	0.25444	0.845	0.86	1	MS.Trt_vs_MS.NoTrt_F
ING3	0.43262	0.44398	0.205	0.24	1	MS.Trt_vs_MS.NoTrt_F
VASH2	0.43492	0.26908	0.77	0.77	1	MS.Trt_vs_MS.NoTrt_F
METTL25	0.43511	0.87281	0.205	0.24	1	MS.Trt_vs_MS.NoTrt_F
PRKCE	0.43531	-0.307	0.173	0.2	1	MS.Trt_vs_MS.NoTrt_F
CINP	0.43582	0.54704	0.896	0.9	1	MS.Trt_vs_MS.NoTrt_F
ZNF80	0.43646	0.45444	0.219	0.27	1	MS.Trt_vs_MS.NoTrt_F
KNSTRN	0.43647	0.31033	0.525	0.5	1	MS.Trt_vs_MS.NoTrt_F
UTP6	0.43884	0.25854	0.867	0.91	1	MS.Trt_vs_MS.NoTrt_F
ALOX12	0.43906	0.44548	0.112	0.14	1	MS.Trt_vs_MS.NoTrt_F
WBP2NL	0.43914	0.64758	0.371	0.43	1	MS.Trt_vs_MS.NoTrt_F
ATG9B	0.43955	0.60328	0.158	0.19	1	MS.Trt_vs_MS.NoTrt_F
MRS2	0.44018	-0.3649	0.856	0.82	1	MS.Trt_vs_MS.NoTrt_F
GNPNAT1	0.44032	0.84948	0.529	0.52	1	MS.Trt_vs_MS.NoTrt_F
AVPR1A	0.44041	0.42695	0.223	0.2	1	MS.Trt_vs_MS.NoTrt_F
P2RX5	0.44046	0.70553	0.133	0.16	1	MS.Trt_vs_MS.NoTrt_F
UPF3A	0.44046	-0.324	0.734	0.79	1	MS.Trt_vs_MS.NoTrt_F
SRFBP1	0.4415	1.11538	0.464	0.45	1	MS.Trt_vs_MS.NoTrt_F
AK6	0.44349	0.81553	0.241	0.28	1	MS.Trt_vs_MS.NoTrt_F
YWHAE	0.44376	0.53177	0.471	0.61	1	MS.Trt_vs_MS.NoTrt_F
TP53I11	0.44383	1.19578	0.129	0.16	1	MS.Trt_vs_MS.NoTrt_F
C11orf31	0.44454	0.39145	0.511	0.57	1	MS.Trt_vs_MS.NoTrt_F
PDXK	0.44541	0.79859	0.529	0.56	1	MS.Trt_vs_MS.NoTrt_F
APBB2	0.44555	0.73131	0.335	0.39	1	MS.Trt_vs_MS.NoTrt_F
ABCB10	0.44566	0.35499	0.129	0.16	1	MS.Trt_vs_MS.NoTrt_F
CD177	0.44582	2.2992	0.09	0.12	1	MS.Trt_vs_MS.NoTrt_F
LDHC	0.44725	-0.4944	0.209	0.24	1	MS.Trt_vs_MS.NoTrt_F
SUMF1	0.44822	-0.8364	0.752	0.71	1	MS.Trt_vs_MS.NoTrt_F
GHDC	0.44907	0.80759	0.284	0.32	1	MS.Trt_vs_MS.NoTrt_F
UTP11	0.4491	0.76815	0.547	0.63	1	MS.Trt_vs_MS.NoTrt_F
FAM13A	0.44958	0.72293	0.237	0.28	1	MS.Trt_vs_MS.NoTrt_F
VTA1	0.44987	0.91417	0.41	0.46	1	MS.Trt_vs_MS.NoTrt_F
RPL37	0.44996	0.25193	0.91	0.98	1	MS.Trt_vs_MS.NoTrt_F
NANOS1	0.45021	0.34608	0.572	0.55	1	MS.Trt_vs_MS.NoTrt_F
GTF3C4	0.45099	0.31272	0.349	0.4	1	MS.Trt_vs_MS.NoTrt_F
SLC30A2	0.45105	0.29201	0.701	0.74	1	MS.Trt_vs_MS.NoTrt_F
CCDC15	0.45161	1.05626	0.248	0.29	1	MS.Trt_vs_MS.NoTrt_F
MTF1	0.45194	-0.3082	0.309	0.35	1	MS.Trt_vs_MS.NoTrt_F
TSPOAP1	0.45206	0.25555	0.255	0.29	1	MS.Trt_vs_MS.NoTrt_F
EML4	0.45239	0.30408	0.683	0.82	1	MS.Trt_vs_MS.NoTrt_F

ARID5A	0.45242	0.84153	0.234	0.29	1	MS.Trt_vs_MS.NoTrt_F
WDR76	0.45274	0.68144	0.687	0.74	1	MS.Trt_vs_MS.NoTrt_F
KLF3	0.45403	0.53141	0.619	0.66	1	MS.Trt_vs_MS.NoTrt_F
UMPS	0.45409	-0.3345	0.676	0.7	1	MS.Trt_vs_MS.NoTrt_F
CEP95	0.45472	0.61611	0.453	0.43	1	MS.Trt_vs_MS.NoTrt_F
LINC00854	0.45539	-0.67	0.658	0.73	1	MS.Trt_vs_MS.NoTrt_F
MOCS3	0.45578	-0.477	0.831	0.88	1	MS.Trt_vs_MS.NoTrt_F
APOBEC3D	0.45663	0.38906	0.651	0.75	1	MS.Trt_vs_MS.NoTrt_F
SPARC	0.45797	1.68624	0.101	0.13	1	MS.Trt_vs_MS.NoTrt_F
LETM2	0.45844	0.45088	0.709	0.81	1	MS.Trt_vs_MS.NoTrt_F
HLA-DRB4	0.45846	-0.6791	0.119	0.14	1	MS.Trt_vs_MS.NoTrt_F
THUMPD3	0.45846	0.64995	0.41	0.45	1	MS.Trt_vs_MS.NoTrt_F
PTPN7	0.45847	0.82058	0.745	0.75	1	MS.Trt_vs_MS.NoTrt_F
GATB	0.45856	-0.5267	0.241	0.27	1	MS.Trt_vs_MS.NoTrt_F
AKAP12	0.4591	0.29301	0.133	0.12	1	MS.Trt_vs_MS.NoTrt_F
DAB2	0.45958	1.36043	0.234	0.27	1	MS.Trt_vs_MS.NoTrt_F
NUDT22	0.45967	0.82115	0.716	0.71	1	MS.Trt_vs_MS.NoTrt_F
SKP2	0.45968	0.38618	0.493	0.53	1	MS.Trt_vs_MS.NoTrt_F
SECISBP2	0.4613	0.2724	0.629	0.66	1	MS.Trt_vs_MS.NoTrt_F
GCM1	0.46152	0.72726	0.576	0.54	1	MS.Trt_vs_MS.NoTrt_F
ANKRD10	0.46158	0.70956	0.73	0.8	1	MS.Trt_vs_MS.NoTrt_F
B3GNT7	0.46159	0.71478	0.245	0.21	1	MS.Trt_vs_MS.NoTrt_F
SENP6	0.46185	0.63675	0.863	0.93	1	MS.Trt_vs_MS.NoTrt_F
ZPBP2	0.46214	0.25275	0.151	0.13	1	MS.Trt_vs_MS.NoTrt_F
ZNF559	0.46215	0.33242	0.676	0.71	1	MS.Trt_vs_MS.NoTrt_F
CD47	0.46236	0.45158	0.878	0.95	1	MS.Trt_vs_MS.NoTrt_F
SLC25A15	0.46322	-0.5071	0.669	0.7	1	MS.Trt_vs_MS.NoTrt_F
MAF	0.4638	1.03152	0.385	0.46	1	MS.Trt_vs_MS.NoTrt_F
NUSAP1	0.4667	-0.5409	0.734	0.79	1	MS.Trt_vs_MS.NoTrt_F
TIMM50	0.46734	0.3047	0.982	0.99	1	MS.Trt_vs_MS.NoTrt_F
C20orf196	0.46735	0.75469	0.331	0.38	1	MS.Trt_vs_MS.NoTrt_F
STX17	0.46889	0.27927	0.468	0.55	1	MS.Trt_vs_MS.NoTrt_F
SPN	0.46901	-0.3076	0.964	0.99	1	MS.Trt_vs_MS.NoTrt_F
EP400NL	0.46991	-0.303	0.766	0.79	1	MS.Trt_vs_MS.NoTrt_F
ZNF780A	0.47023	0.66728	0.342	0.39	1	MS.Trt_vs_MS.NoTrt_F
FIBP	0.4705	0.55546	0.471	0.53	1	MS.Trt_vs_MS.NoTrt_F
ANKRD40	0.47234	0.86063	0.817	0.89	1	MS.Trt_vs_MS.NoTrt_F
TRIM59	0.47263	0.6308	0.82	0.9	1	MS.Trt_vs_MS.NoTrt_F
VLDLR	0.47273	1.66243	0.446	0.54	1	MS.Trt_vs_MS.NoTrt_F
LIPT2	0.47282	0.72974	0.169	0.2	1	MS.Trt_vs_MS.NoTrt_F

PON2	0.47359	1.76649	0.417	0.46	1 MS.Trt_vs_MS.NoTrt_F
P3H1	0.4737	0.32213	0.95	0.98	1 MS.Trt_vs_MS.NoTrt_F
SCAF4	0.47385	0.62624	0.237	0.29	1 MS.Trt_vs_MS.NoTrt_F
PARP12	0.47463	1.21834	0.252	0.29	1 MS.Trt_vs_MS.NoTrt_F
POLE	0.47495	0.3212	0.831	0.88	1 MS.Trt_vs_MS.NoTrt_F
OCIAD1	0.47503	0.50984	0.676	0.67	1 MS.Trt_vs_MS.NoTrt_F
MGP	0.47558	1.01938	0.597	0.58	1 MS.Trt_vs_MS.NoTrt_F
NUMA1	0.47596	0.26914	0.853	0.87	1 MS.Trt_vs_MS.NoTrt_F
TMC6	0.47656	0.32813	0.809	0.86	1 MS.Trt_vs_MS.NoTrt_F
FADS2	0.47701	0.49174	0.525	0.58	1 MS.Trt_vs_MS.NoTrt_F
THAP5	0.4774	0.8211	0.903	0.93	1 MS.Trt_vs_MS.NoTrt_F
LETMD1	0.4791	0.37784	0.831	0.89	1 MS.Trt_vs_MS.NoTrt_F
STYXL1	0.48046	0.46749	0.324	0.35	1 MS.Trt_vs_MS.NoTrt_F
PER2	0.48056	0.67269	0.507	0.58	1 MS.Trt_vs_MS.NoTrt_F
LDLR	0.48076	0.28022	0.921	0.96	1 MS.Trt_vs_MS.NoTrt_F
SLC12A2	0.48107	1.43198	0.565	0.59	1 MS.Trt_vs_MS.NoTrt_F
DNAH12	0.48132	0.67638	0.162	0.14	1 MS.Trt_vs_MS.NoTrt_F
CGN	0.48162	-0.3686	0.216	0.25	1 MS.Trt_vs_MS.NoTrt_F
TVP23B	0.48248	-0.5155	0.565	0.58	1 MS.Trt_vs_MS.NoTrt_F
BOLA3	0.48261	0.63892	0.518	0.58	1 MS.Trt_vs_MS.NoTrt_F
PCOLCE	0.48272	-0.2877	0.104	0.13	1 MS.Trt_vs_MS.NoTrt_F
HINT3	0.48355	-0.2607	0.309	0.35	1 MS.Trt_vs_MS.NoTrt_F
ARHGEF26	0.48384	0.63812	0.486	0.53	1 MS.Trt_vs_MS.NoTrt_F
AK9	0.48417	0.78056	0.658	0.76	1 MS.Trt_vs_MS.NoTrt_F
UAP1L1	0.48444	0.95325	0.374	0.36	1 MS.Trt_vs_MS.NoTrt_F
DCAF11	0.48522	-0.4324	0.737	0.85	1 MS.Trt_vs_MS.NoTrt_F
ZFP14	0.48625	0.29036	0.827	0.9	1 MS.Trt_vs_MS.NoTrt_F
ZNF827	0.4865	1.32181	0.083	0.11	1 MS.Trt_vs_MS.NoTrt_F
CH507-9B2.1	0.48688	0.35356	0.464	0.54	1 MS.Trt_vs_MS.NoTrt_F
PPIC	0.48703	-0.5114	0.086	0.11	1 MS.Trt_vs_MS.NoTrt_F
VASH1	0.48708	0.50062	0.094	0.12	1 MS.Trt_vs_MS.NoTrt_F
LINC00961	0.48769	0.31017	0.36	0.39	1 MS.Trt_vs_MS.NoTrt_F
ARL2	0.48776	0.30377	0.788	0.83	1 MS.Trt_vs_MS.NoTrt_F
MCRIP2	0.48861	0.26106	0.561	0.59	1 MS.Trt_vs_MS.NoTrt_F
TRAPPC4	0.48879	0.43362	0.899	0.9	1 MS.Trt_vs_MS.NoTrt_F
SIDT1	0.48912	0.32149	0.741	0.8	1 MS.Trt_vs_MS.NoTrt_F
MRPS16	0.48941	0.25178	0.802	0.83	1 MS.Trt_vs_MS.NoTrt_F
PDCD6	0.48993	0.29081	0.673	0.69	1 MS.Trt_vs_MS.NoTrt_F
GALK1	0.49015	0.88187	0.284	0.33	1 MS.Trt_vs_MS.NoTrt_F
CRB1	0.49056	0.5788	0.162	0.19	1 MS.Trt_vs_MS.NoTrt_F



TMEM97	0.491	1.23217	0.281	0.31	1	MS.Trt_vs_MS.NoTrt_F
ESRP1	0.4914	0.75086	0.223	0.2	1	MS.Trt_vs_MS.NoTrt_F
ICMT	0.49197	-1.1248	0.651	0.66	1	MS.Trt_vs_MS.NoTrt_F
STARD4	0.49218	1.37128	0.165	0.19	1	MS.Trt_vs_MS.NoTrt_F
FKRP	0.49224	0.31286	0.651	0.69	1	MS.Trt_vs_MS.NoTrt_F
MRPL40	0.49326	0.45094	0.453	0.47	1	MS.Trt_vs_MS.NoTrt_F
PPM1F	0.49352	-0.5543	0.763	0.8	1	MS.Trt_vs_MS.NoTrt_F
ARHGAP26	0.4936	0.51297	0.68	0.68	1	MS.Trt_vs_MS.NoTrt_F
ACAA2	0.4943	0.32702	0.558	0.6	1	MS.Trt_vs_MS.NoTrt_F
ZNF286B	0.49455	1.32001	0.468	0.53	1	MS.Trt_vs_MS.NoTrt_F
FAM210A	0.49468	-0.2585	0.327	0.4	1	MS.Trt_vs_MS.NoTrt_F
FOXRED1	0.49505	-0.544	0.482	0.52	1	MS.Trt_vs_MS.NoTrt_F
ZADH2	0.49523	1.3178	0.817	0.83	1	MS.Trt_vs_MS.NoTrt_F
ANKRD54	0.49644	0.66141	0.676	0.8	1	MS.Trt_vs_MS.NoTrt_F
SYNE4	0.49656	0.78494	0.5	0.53	1	MS.Trt_vs_MS.NoTrt_F
QTRT2	0.49695	0.52635	0.73	0.75	1	MS.Trt_vs_MS.NoTrt_F
MPST	0.49705	0.43764	0.82	0.9	1	MS.Trt_vs_MS.NoTrt_F
CNBD2	0.49736	0.38834	0.439	0.49	1	MS.Trt_vs_MS.NoTrt_F
KIAA0513	0.49743	0.55644	0.608	0.64	1	MS.Trt_vs_MS.NoTrt_F
SERPINB6	0.49774	1.32778	0.486	0.56	1	MS.Trt_vs_MS.NoTrt_F
ZNF250	0.49839	1.12628	0.59	0.64	1	MS.Trt_vs_MS.NoTrt_F
BRD8	0.49905	-0.3196	0.763	0.77	1	MS.Trt_vs_MS.NoTrt_F
VMAC	0.49918	-0.4141	0.626	0.65	1	MS.Trt_vs_MS.NoTrt_F
GTPBP2	0.49936	0.75416	0.626	0.61	1	MS.Trt_vs_MS.NoTrt_F
SLC15A2	0.4997	0.53017	0.486	0.55	1	MS.Trt_vs_MS.NoTrt_F
MFAP5	0.4997	-0.2853	0.32	0.34	1	MS.Trt_vs_MS.NoTrt_F
EVI5	0.50004	-0.285	0.791	0.87	1	MS.Trt_vs_MS.NoTrt_F
RDH10	0.50178	-0.6489	0.223	0.25	1	MS.Trt_vs_MS.NoTrt_F
NEDD1	0.50232	0.97421	0.162	0.2	1	MS.Trt_vs_MS.NoTrt_F
PLEKHG5	0.50298	1.48619	0.162	0.19	1	MS.Trt_vs_MS.NoTrt_F
VWA5B1	0.50351	0.30743	0.594	0.62	1	MS.Trt_vs_MS.NoTrt_F
TMEM143	0.50369	0.84922	0.482	0.55	1	MS.Trt_vs_MS.NoTrt_F
TTC38	0.50389	0.59817	0.529	0.52	1	MS.Trt_vs_MS.NoTrt_F
ZNF157	0.50509	-0.2984	0.752	0.83	1	MS.Trt_vs_MS.NoTrt_F
ZNF761	0.50557	1.02001	0.73	0.78	1	MS.Trt_vs_MS.NoTrt_F
SYK	0.50608	0.41402	0.442	0.45	1	MS.Trt_vs_MS.NoTrt_F
CD160	0.50678	1.29639	0.266	0.32	1	MS.Trt_vs_MS.NoTrt_F
FAM217B	0.50701	0.52604	0.385	0.43	1	MS.Trt_vs_MS.NoTrt_F
CBS	0.50724	0.63189	0.241	0.23	1	MS.Trt_vs_MS.NoTrt_F
ZKSCAN3	0.50782	0.56909	0.838	0.89	1	MS.Trt_vs_MS.NoTrt_F

PAX5	0.50856	0.74886	0.133	0.16	1	MS.Trt_vs_MS.NoTrt_F
SLC39A7	0.50903	0.75192	0.133	0.16	1	MS.Trt_vs_MS.NoTrt_F
CCHCR1	0.50908	-1.0928	0.349	0.37	1	MS.Trt_vs_MS.NoTrt_F
FABP4	0.50954	1.37628	0.169	0.2	1	MS.Trt_vs_MS.NoTrt_F
SAMD4A	0.5099	0.39006	0.59	0.65	1	MS.Trt_vs_MS.NoTrt_F
DYNC1H1	0.51019	0.55433	0.942	0.93	1	MS.Trt_vs_MS.NoTrt_F
EIF4G2	0.51036	0.29707	0.601	0.71	1	MS.Trt_vs_MS.NoTrt_F
ZNF280C	0.51076	-0.5489	0.291	0.32	1	MS.Trt_vs_MS.NoTrt_F
CBLB	0.51123	0.89647	0.414	0.4	1	MS.Trt_vs_MS.NoTrt_F
TNFRSF10B	0.51133	0.63243	0.46	0.51	1	MS.Trt_vs_MS.NoTrt_F
R3HDM2	0.51138	0.71253	0.763	0.81	1	MS.Trt_vs_MS.NoTrt_F
RBMS1	0.51151	0.97997	0.608	0.71	1	MS.Trt_vs_MS.NoTrt_F
TPX2	0.51209	0.79679	0.23	0.27	1	MS.Trt_vs_MS.NoTrt_F
TBC1D10B	0.5127	0.45169	0.723	0.73	1	MS.Trt_vs_MS.NoTrt_F
WNK3	0.51278	-0.4569	0.302	0.34	1	MS.Trt_vs_MS.NoTrt_F
SYS1	0.51285	0.74516	0.475	0.46	1	MS.Trt_vs_MS.NoTrt_F
FAM220A	0.51291	-0.7475	0.342	0.38	1	MS.Trt_vs_MS.NoTrt_F
STX8	0.5136	0.40428	0.835	0.87	1	MS.Trt_vs_MS.NoTrt_F
GNB4	0.51423	0.29289	0.809	0.84	1	MS.Trt_vs_MS.NoTrt_F
GMCL1	0.51444	0.94923	0.356	0.38	1	MS.Trt_vs_MS.NoTrt_F
GOLGA3	0.51459	0.50539	0.799	0.81	1	MS.Trt_vs_MS.NoTrt_F
GFRAL	0.5148	0.33683	0.392	0.39	1	MS.Trt_vs_MS.NoTrt_F
PICK1	0.5156	0.27833	0.46	0.5	1	MS.Trt_vs_MS.NoTrt_F
GAN	0.51569	0.28405	0.838	0.85	1	MS.Trt_vs_MS.NoTrt_F
PPP5D1	0.51631	0.49512	0.748	0.75	1	MS.Trt_vs_MS.NoTrt_F
IFNAR1	0.51684	1.03139	0.504	0.51	1	MS.Trt_vs_MS.NoTrt_F
UTP15	0.51755	-0.8778	0.363	0.39	1	MS.Trt_vs_MS.NoTrt_F
HSPA13	0.51758	0.41218	0.09	0.11	1	MS.Trt_vs_MS.NoTrt_F
PEX2	0.51795	-0.2531	0.601	0.6	1	MS.Trt_vs_MS.NoTrt_F
VAPA	0.51925	0.29801	0.716	0.77	1	MS.Trt_vs_MS.NoTrt_F
C16orf52	0.52289	0.73254	0.094	0.12	1	MS.Trt_vs_MS.NoTrt_F
SLC36A4	0.52317	-0.5605	0.104	0.13	1	MS.Trt_vs_MS.NoTrt_F
RP11-505K9	0.52327	0.34253	0.108	0.13	1	MS.Trt_vs_MS.NoTrt_F
CCDC142	0.52354	0.32643	0.579	0.61	1	MS.Trt_vs_MS.NoTrt_F
SERINC5	0.5244	0.47422	0.896	0.95	1	MS.Trt_vs_MS.NoTrt_F
RAB11FIP1	0.5246	0.50486	0.86	0.83	1	MS.Trt_vs_MS.NoTrt_F
ASRGL1	0.52496	0.4859	0.54	0.63	1	MS.Trt_vs_MS.NoTrt_F
LRRC37A	0.52558	0.38371	0.399	0.45	1	MS.Trt_vs_MS.NoTrt_F
DENR	0.52574	0.40636	0.73	0.77	1	MS.Trt_vs_MS.NoTrt_F
LYRM4	0.52607	-0.3174	0.942	0.98	1	MS.Trt_vs_MS.NoTrt_F

RBM45	0.52658	1.04847	0.126	0.16	1	MS.Trt_vs_MS.NoTrt_F
DLK2	0.52713	0.57093	0.363	0.4	1	MS.Trt_vs_MS.NoTrt_F
GBA2	0.52729	0.3606	0.694	0.61	1	MS.Trt_vs_MS.NoTrt_F
ST8SIA1	0.52756	0.82592	0.604	0.64	1	MS.Trt_vs_MS.NoTrt_F
COL1A2	0.52826	0.26071	0.392	0.44	1	MS.Trt_vs_MS.NoTrt_F
ZNF574	0.52844	0.25063	0.392	0.39	1	MS.Trt_vs_MS.NoTrt_F
IL23R	0.52954	-1.4898	0.388	0.4	1	MS.Trt_vs_MS.NoTrt_F
CLU	0.53072	1.29462	0.547	0.6	1	MS.Trt_vs_MS.NoTrt_F
TMEM231	0.5311	0.56842	0.766	0.82	1	MS.Trt_vs_MS.NoTrt_F
HEXDC	0.53167	0.55348	0.371	0.4	1	MS.Trt_vs_MS.NoTrt_F
IDO1	0.53239	0.29442	0.532	0.54	1	MS.Trt_vs_MS.NoTrt_F
CDK4	0.53246	1.04788	0.558	0.64	1	MS.Trt_vs_MS.NoTrt_F
GALNT11	0.53254	0.32352	0.468	0.44	1	MS.Trt_vs_MS.NoTrt_F
ZNF547	0.53276	1.47398	0.295	0.29	1	MS.Trt_vs_MS.NoTrt_F
ERLIN2	0.53352	0.34175	0.385	0.42	1	MS.Trt_vs_MS.NoTrt_F
SLC35A3	0.53374	-0.2586	0.82	0.82	1	MS.Trt_vs_MS.NoTrt_F
METTL15	0.53394	-0.2714	0.414	0.42	1	MS.Trt_vs_MS.NoTrt_F
NFKBIA	0.53399	0.84208	0.309	0.38	1	MS.Trt_vs_MS.NoTrt_F
PSIP1	0.5341	0.34331	0.759	0.82	1	MS.Trt_vs_MS.NoTrt_F
C12orf57	0.53431	0.38498	0.403	0.41	1	MS.Trt_vs_MS.NoTrt_F
L3MBTL1	0.53438	0.41842	0.651	0.65	1	MS.Trt_vs_MS.NoTrt_F
SLAMF7	0.5346	1.29653	0.381	0.46	1	MS.Trt_vs_MS.NoTrt_F
POFUT1	0.53513	0.67371	0.554	0.6	1	MS.Trt_vs_MS.NoTrt_F
TRIM16	0.53573	0.26581	0.468	0.49	1	MS.Trt_vs_MS.NoTrt_F
SEPSECS	0.53577	-0.4184	0.759	0.79	1	MS.Trt_vs_MS.NoTrt_F
SPAG9	0.53652	-0.4287	0.878	0.91	1	MS.Trt_vs_MS.NoTrt_F
E2F6	0.53761	-1.0754	0.309	0.34	1	MS.Trt_vs_MS.NoTrt_F
ELAC1	0.53835	-0.5981	0.547	0.58	1	MS.Trt_vs_MS.NoTrt_F
PRCP	0.53955	0.84021	0.845	0.79	1	MS.Trt_vs_MS.NoTrt_F
PIGA	0.5398	-0.2544	0.457	0.51	1	MS.Trt_vs_MS.NoTrt_F
PLPP2	0.54085	0.61322	0.914	0.87	1	MS.Trt_vs_MS.NoTrt_F
TONSL	0.54143	0.7427	0.622	0.66	1	MS.Trt_vs_MS.NoTrt_F
FAM3A	0.54196	0.44614	0.791	0.8	1	MS.Trt_vs_MS.NoTrt_F
SLC35G2	0.54248	0.7875	0.219	0.25	1	MS.Trt_vs_MS.NoTrt_F
KIFC3	0.54255	0.2955	0.576	0.67	1	MS.Trt_vs_MS.NoTrt_F
RBPM5	0.54257	1.4488	0.155	0.14	1	MS.Trt_vs_MS.NoTrt_F
PITPNM2	0.54355	0.7755	0.414	0.48	1	MS.Trt_vs_MS.NoTrt_F
RPUSD2	0.54377	0.72263	0.155	0.18	1	MS.Trt_vs_MS.NoTrt_F
CEP41	0.54394	-0.261	0.781	0.82	1	MS.Trt_vs_MS.NoTrt_F
SPRYD4	0.54437	0.50307	0.856	0.93	1	MS.Trt_vs_MS.NoTrt_F

CFD	0.5445	0.53298	0.223	0.24	1 MS.Trt_vs_MS.NoTrt_F
GOT2	0.54453	0.3327	0.86	0.81	1 MS.Trt_vs_MS.NoTrt_F
OCLN	0.54516	0.55336	0.781	0.82	1 MS.Trt_vs_MS.NoTrt_F
VNN2	0.5453	1.80533	0.223	0.2	1 MS.Trt_vs_MS.NoTrt_F
BLOC1S4	0.54693	0.40538	0.205	0.23	1 MS.Trt_vs_MS.NoTrt_F
PTPRF	0.54749	0.31146	0.356	0.36	1 MS.Trt_vs_MS.NoTrt_F
COMMD4	0.5476	0.37996	0.906	0.95	1 MS.Trt_vs_MS.NoTrt_F
AC016577.1	0.54769	0.27216	0.417	0.5	1 MS.Trt_vs_MS.NoTrt_F
WWTR1	0.5477	0.57429	0.468	0.52	1 MS.Trt_vs_MS.NoTrt_F
NUCKS1	0.54835	0.89499	0.522	0.6	1 MS.Trt_vs_MS.NoTrt_F
ALDH1B1	0.54883	0.28582	0.626	0.67	1 MS.Trt_vs_MS.NoTrt_F
GLT8D1	0.54965	0.3127	0.302	0.33	1 MS.Trt_vs_MS.NoTrt_F
MUC20	0.5497	-0.3662	0.543	0.59	1 MS.Trt_vs_MS.NoTrt_F
CCDC90B	0.55065	0.39574	0.906	0.95	1 MS.Trt_vs_MS.NoTrt_F
ST7L	0.55114	0.43652	0.457	0.48	1 MS.Trt_vs_MS.NoTrt_F
COG1	0.55173	-0.3374	0.853	0.85	1 MS.Trt_vs_MS.NoTrt_F
PRKAR2A	0.55208	-0.5709	0.867	0.93	1 MS.Trt_vs_MS.NoTrt_F
IVD	0.55218	0.32395	0.935	0.93	1 MS.Trt_vs_MS.NoTrt_F
YES1	0.55269	0.26138	0.367	0.41	1 MS.Trt_vs_MS.NoTrt_F
FABP2	0.55273	0.35629	0.421	0.44	1 MS.Trt_vs_MS.NoTrt_F
TIE1	0.55327	0.7335	0.615	0.59	1 MS.Trt_vs_MS.NoTrt_F
ORC2	0.55439	0.39415	0.673	0.73	1 MS.Trt_vs_MS.NoTrt_F
TCEANC	0.55449	-0.3741	0.651	0.67	1 MS.Trt_vs_MS.NoTrt_F
NME4	0.55512	0.29151	0.176	0.2	1 MS.Trt_vs_MS.NoTrt_F
COQ10A	0.5555	-0.8386	0.543	0.54	1 MS.Trt_vs_MS.NoTrt_F
TMEM71	0.55678	1.00179	0.119	0.14	1 MS.Trt_vs_MS.NoTrt_F
KATNBL1	0.55679	0.57668	0.917	0.92	1 MS.Trt_vs_MS.NoTrt_F
SEC31B	0.55744	0.45667	0.435	0.49	1 MS.Trt_vs_MS.NoTrt_F
WDR13	0.55864	0.32554	0.813	0.87	1 MS.Trt_vs_MS.NoTrt_F
ASB2	0.55881	1.46826	0.104	0.13	1 MS.Trt_vs_MS.NoTrt_F
ZNF160	0.55885	0.58293	0.536	0.59	1 MS.Trt_vs_MS.NoTrt_F
LIN7B	0.55937	-0.2981	0.327	0.37	1 MS.Trt_vs_MS.NoTrt_F
PAPOLG	0.55951	1.05683	0.73	0.8	1 MS.Trt_vs_MS.NoTrt_F
AGPAT3	0.55967	0.34021	0.655	0.68	1 MS.Trt_vs_MS.NoTrt_F
TNRC6B	0.55969	0.26207	0.96	0.98	1 MS.Trt_vs_MS.NoTrt_F
GBA	0.55972	-0.3679	0.482	0.5	1 MS.Trt_vs_MS.NoTrt_F
GPR107	0.55987	0.40782	0.209	0.23	1 MS.Trt_vs_MS.NoTrt_F
CTD-3088G3	0.56079	-0.4169	0.5	0.56	1 MS.Trt_vs_MS.NoTrt_F
EXOC8	0.56165	0.25809	0.406	0.46	1 MS.Trt_vs_MS.NoTrt_F
CFI	0.56172	0.25358	0.561	0.61	1 MS.Trt_vs_MS.NoTrt_F

LRRC1	0.56184	0.57448	0.317	0.35	1 MS.Trt_vs_MS.NoTrt_F
SLC39A11	0.56227	1.0907	0.32	0.38	1 MS.Trt_vs_MS.NoTrt_F
CPT1A	0.56328	0.61837	0.68	0.7	1 MS.Trt_vs_MS.NoTrt_F
CHRNA3	0.56358	-0.3113	0.223	0.24	1 MS.Trt_vs_MS.NoTrt_F
RBBP5	0.56376	0.8746	0.568	0.63	1 MS.Trt_vs_MS.NoTrt_F
STRN3	0.5669	0.61111	0.831	0.83	1 MS.Trt_vs_MS.NoTrt_F
SLC31A2	0.5676	1.73928	0.133	0.16	1 MS.Trt_vs_MS.NoTrt_F
CHST14	0.56863	0.92	0.245	0.28	1 MS.Trt_vs_MS.NoTrt_F
GNE	0.56922	0.69642	0.227	0.27	1 MS.Trt_vs_MS.NoTrt_F
LRP12	0.56993	0.38777	0.604	0.67	1 MS.Trt_vs_MS.NoTrt_F
ZSCAN20	0.57004	0.97959	0.302	0.32	1 MS.Trt_vs_MS.NoTrt_F
TMTC3	0.5715	1.17103	0.241	0.28	1 MS.Trt_vs_MS.NoTrt_F
SLFN13	0.57215	1.5951	0.626	0.67	1 MS.Trt_vs_MS.NoTrt_F
PXMP4	0.5722	0.27525	0.849	0.87	1 MS.Trt_vs_MS.NoTrt_F
THEMIS	0.57329	1.04835	0.277	0.31	1 MS.Trt_vs_MS.NoTrt_F
DHRS3	0.57429	2.01865	0.252	0.25	1 MS.Trt_vs_MS.NoTrt_F
ZNF230	0.57494	0.44572	0.572	0.62	1 MS.Trt_vs_MS.NoTrt_F
CA5B	0.57538	0.39397	0.838	0.9	1 MS.Trt_vs_MS.NoTrt_F
DIEXF	0.57568	0.55841	0.525	0.49	1 MS.Trt_vs_MS.NoTrt_F
ACTR3B	0.57606	0.29791	0.496	0.5	1 MS.Trt_vs_MS.NoTrt_F
FAM184B	0.57618	-0.3514	0.155	0.18	1 MS.Trt_vs_MS.NoTrt_F
BCAS4	0.57659	-0.3547	0.935	0.96	1 MS.Trt_vs_MS.NoTrt_F
DRAM2	0.5766	0.97664	0.209	0.2	1 MS.Trt_vs_MS.NoTrt_F
ZNF174	0.57681	2.52733	0.086	0.11	1 MS.Trt_vs_MS.NoTrt_F
CASP9	0.57789	0.28943	0.374	0.4	1 MS.Trt_vs_MS.NoTrt_F
PQLC2	0.57805	-0.3677	0.403	0.45	1 MS.Trt_vs_MS.NoTrt_F
CYB5D1	0.57841	-1.2978	0.187	0.21	1 MS.Trt_vs_MS.NoTrt_F
NEDD4L	0.57848	-0.9385	0.532	0.46	1 MS.Trt_vs_MS.NoTrt_F
ABCB7	0.57918	-0.316	0.705	0.72	1 MS.Trt_vs_MS.NoTrt_F
SGPL1	0.57973	0.36159	0.511	0.52	1 MS.Trt_vs_MS.NoTrt_F
MKLN1	0.58046	0.76218	0.576	0.66	1 MS.Trt_vs_MS.NoTrt_F
TBL1X	0.5807	-0.6263	0.576	0.6	1 MS.Trt_vs_MS.NoTrt_F
APP	0.58193	0.89627	0.629	0.72	1 MS.Trt_vs_MS.NoTrt_F
MTSS1	0.58239	1.13458	0.59	0.67	1 MS.Trt_vs_MS.NoTrt_F
CORO2A	0.585	0.36659	0.795	0.78	1 MS.Trt_vs_MS.NoTrt_F
C21orf59	0.58508	0.48426	0.442	0.45	1 MS.Trt_vs_MS.NoTrt_F
ZNF813	0.58514	0.97575	0.773	0.77	1 MS.Trt_vs_MS.NoTrt_F
CD24	0.58519	0.29246	0.41	0.41	1 MS.Trt_vs_MS.NoTrt_F
CRK	0.58534	0.46047	0.626	0.69	1 MS.Trt_vs_MS.NoTrt_F
PAN2	0.58591	0.78065	0.367	0.4	1 MS.Trt_vs_MS.NoTrt_F

IRAK2	0.58601	-0.3783	0.353	0.38	1	MS.Trt_vs_MS.NoTrt_F
FBXL22	0.58646	0.61936	0.14	0.16	1	MS.Trt_vs_MS.NoTrt_F
BTBD8	0.58647	0.49453	0.32	0.36	1	MS.Trt_vs_MS.NoTrt_F
EVI5L	0.58659	0.2753	0.306	0.34	1	MS.Trt_vs_MS.NoTrt_F
FAM208A	0.58704	0.74607	0.737	0.73	1	MS.Trt_vs_MS.NoTrt_F
BRPF3	0.58724	2.24241	0.101	0.12	1	MS.Trt_vs_MS.NoTrt_F
CASC10	0.58731	0.25049	0.446	0.42	1	MS.Trt_vs_MS.NoTrt_F
UIMC1	0.58778	-0.4335	0.835	0.86	1	MS.Trt_vs_MS.NoTrt_F
GNAS	0.58943	0.75802	0.511	0.57	1	MS.Trt_vs_MS.NoTrt_F
AKT3	0.58954	0.36178	0.712	0.76	1	MS.Trt_vs_MS.NoTrt_F
IGFL2	0.58956	0.42512	0.399	0.47	1	MS.Trt_vs_MS.NoTrt_F
ZNF778	0.5901	0.36564	0.637	0.66	1	MS.Trt_vs_MS.NoTrt_F
POGZ	0.59096	0.51509	0.856	0.86	1	MS.Trt_vs_MS.NoTrt_F
LAMA5	0.59136	1.06148	0.277	0.32	1	MS.Trt_vs_MS.NoTrt_F
FAU	0.59239	0.26109	0.727	0.94	1	MS.Trt_vs_MS.NoTrt_F
C11orf63	0.59259	0.51069	0.475	0.51	1	MS.Trt_vs_MS.NoTrt_F
KLHDC2	0.59295	1.11961	0.27	0.3	1	MS.Trt_vs_MS.NoTrt_F
GTF2IRD1	0.59435	0.25599	0.701	0.72	1	MS.Trt_vs_MS.NoTrt_F
ZNF577	0.59447	0.88398	0.381	0.42	1	MS.Trt_vs_MS.NoTrt_F
TOR1A	0.59455	-0.4176	0.752	0.78	1	MS.Trt_vs_MS.NoTrt_F
CD300LG	0.59467	0.33905	0.435	0.46	1	MS.Trt_vs_MS.NoTrt_F
GRN	0.59498	1.53246	0.165	0.19	1	MS.Trt_vs_MS.NoTrt_F
KLHDC10	0.59683	-0.3732	0.41	0.4	1	MS.Trt_vs_MS.NoTrt_F
MT-ND2	0.59687	0.37428	0.838	0.89	1	MS.Trt_vs_MS.NoTrt_F
MACROD2	0.59707	0.31011	0.662	0.68	1	MS.Trt_vs_MS.NoTrt_F
ADGRA3	0.59774	0.37433	0.428	0.41	1	MS.Trt_vs_MS.NoTrt_F
POU5F1	0.59781	0.35423	0.554	0.55	1	MS.Trt_vs_MS.NoTrt_F
PIN1	0.59843	0.65641	0.781	0.79	1	MS.Trt_vs_MS.NoTrt_F
GSR	0.59957	0.72081	0.277	0.32	1	MS.Trt_vs_MS.NoTrt_F
TSPYL1	0.60018	0.63604	0.622	0.69	1	MS.Trt_vs_MS.NoTrt_F
ZNF780B	0.60056	-0.4469	0.644	0.65	1	MS.Trt_vs_MS.NoTrt_F
SCARB1	0.60075	-0.2854	0.478	0.51	1	MS.Trt_vs_MS.NoTrt_F
ZC3H4	0.60119	0.61355	0.371	0.46	1	MS.Trt_vs_MS.NoTrt_F
SLC30A7	0.6014	0.81517	0.68	0.74	1	MS.Trt_vs_MS.NoTrt_F
IMPACT	0.60193	1.37012	0.097	0.12	1	MS.Trt_vs_MS.NoTrt_F
CTPS1	0.60285	-0.3247	0.658	0.66	1	MS.Trt_vs_MS.NoTrt_F
GALNT10	0.60401	-0.3607	0.55	0.6	1	MS.Trt_vs_MS.NoTrt_F
HOMEZ	0.6042	0.56188	0.295	0.32	1	MS.Trt_vs_MS.NoTrt_F
GGCX	0.60476	0.53027	0.899	0.95	1	MS.Trt_vs_MS.NoTrt_F
ZNF26	0.60482	0.35233	0.989	0.99	1	MS.Trt_vs_MS.NoTrt_F

TNFRSF25	0.60502	0.69496	0.676	0.75	1	MS.Trt_vs_MS.NoTrt_F
PCCA	0.60507	0.38094	0.608	0.66	1	MS.Trt_vs_MS.NoTrt_F
SBNO1	0.60605	0.6088	0.655	0.7	1	MS.Trt_vs_MS.NoTrt_F
CAPN12	0.60607	0.83183	0.493	0.54	1	MS.Trt_vs_MS.NoTrt_F
NPIP15	0.60687	1.08357	0.331	0.33	1	MS.Trt_vs_MS.NoTrt_F
DDX52	0.60853	0.33894	0.896	0.89	1	MS.Trt_vs_MS.NoTrt_F
FAM200A	0.60878	-0.4455	0.241	0.26	1	MS.Trt_vs_MS.NoTrt_F
FAM83H	0.60888	-0.3159	0.144	0.16	1	MS.Trt_vs_MS.NoTrt_F
MEF2A	0.61067	0.39072	0.5	0.55	1	MS.Trt_vs_MS.NoTrt_F
HAUS2	0.61092	0.2524	0.824	0.82	1	MS.Trt_vs_MS.NoTrt_F
CCDC114	0.61131	-0.7992	0.504	0.49	1	MS.Trt_vs_MS.NoTrt_F
BRD4	0.6141	1.07163	0.317	0.37	1	MS.Trt_vs_MS.NoTrt_F
ZNF418	0.61419	0.51375	0.205	0.23	1	MS.Trt_vs_MS.NoTrt_F
EPN1	0.61523	0.26066	0.921	0.96	1	MS.Trt_vs_MS.NoTrt_F
EXO2	0.61539	0.43028	0.594	0.58	1	MS.Trt_vs_MS.NoTrt_F
DFFB	0.61544	0.39015	0.827	0.79	1	MS.Trt_vs_MS.NoTrt_F
RPL35A	0.61579	0.38286	0.842	0.98	1	MS.Trt_vs_MS.NoTrt_F
IFI27	0.61583	0.68742	0.442	0.46	1	MS.Trt_vs_MS.NoTrt_F
ZFP82	0.61612	0.29051	0.712	0.75	1	MS.Trt_vs_MS.NoTrt_F
SOS2	0.61682	1.52744	0.115	0.14	1	MS.Trt_vs_MS.NoTrt_F
SPTSSA	0.61708	-0.3297	0.363	0.41	1	MS.Trt_vs_MS.NoTrt_F
CCNF	0.61733	-0.7736	0.504	0.53	1	MS.Trt_vs_MS.NoTrt_F
STAT2	0.61791	0.36456	0.892	0.93	1	MS.Trt_vs_MS.NoTrt_F
TMEM33	0.61839	0.26885	0.914	0.88	1	MS.Trt_vs_MS.NoTrt_F
MPP5	0.6196	-0.4322	0.342	0.39	1	MS.Trt_vs_MS.NoTrt_F
ZCWPW2	0.62084	0.35162	0.493	0.5	1	MS.Trt_vs_MS.NoTrt_F
HEG1	0.62096	1.00787	0.126	0.14	1	MS.Trt_vs_MS.NoTrt_F
MBD3	0.62174	0.70206	0.712	0.77	1	MS.Trt_vs_MS.NoTrt_F
COMMD9	0.62246	0.4596	0.486	0.46	1	MS.Trt_vs_MS.NoTrt_F
KCNN2	0.62353	0.34094	0.317	0.32	1	MS.Trt_vs_MS.NoTrt_F
ZNF526	0.62372	-0.2582	0.504	0.56	1	MS.Trt_vs_MS.NoTrt_F
CACNB2	0.62405	0.65384	0.471	0.49	1	MS.Trt_vs_MS.NoTrt_F
RNF14	0.62606	-0.665	0.576	0.62	1	MS.Trt_vs_MS.NoTrt_F
GPR161	0.62626	0.86463	0.406	0.46	1	MS.Trt_vs_MS.NoTrt_F
PRICKLE3	0.62631	0.26163	0.504	0.53	1	MS.Trt_vs_MS.NoTrt_F
SSR3	0.62867	0.38537	0.601	0.66	1	MS.Trt_vs_MS.NoTrt_F
ENTPD5	0.62945	1.06989	0.543	0.53	1	MS.Trt_vs_MS.NoTrt_F
ZNF169	0.63031	0.29354	0.849	0.87	1	MS.Trt_vs_MS.NoTrt_F
SLC37A2	0.63068	0.33552	0.511	0.55	1	MS.Trt_vs_MS.NoTrt_F
RAD1	0.63079	0.55188	0.701	0.74	1	MS.Trt_vs_MS.NoTrt_F

PLOD1	0.6311	0.95158	0.68	0.66	1	MS.Trt_vs_MS.NoTrt_F
CMC2	0.63144	0.53917	0.881	0.89	1	MS.Trt_vs_MS.NoTrt_F
SLC14A1	0.63182	1.06785	0.504	0.54	1	MS.Trt_vs_MS.NoTrt_F
RABAC1	0.63191	1.06131	0.273	0.33	1	MS.Trt_vs_MS.NoTrt_F
SMARCB1	0.63268	-0.3385	0.55	0.54	1	MS.Trt_vs_MS.NoTrt_F
EXD1	0.63297	0.27875	0.54	0.55	1	MS.Trt_vs_MS.NoTrt_F
MAVS	0.63334	-0.4183	0.95	0.94	1	MS.Trt_vs_MS.NoTrt_F
IFNLR1	0.63452	-1.8914	0.144	0.17	1	MS.Trt_vs_MS.NoTrt_F
MED18	0.63566	0.62896	0.615	0.66	1	MS.Trt_vs_MS.NoTrt_F
DCTN3	0.63602	0.32192	0.446	0.49	1	MS.Trt_vs_MS.NoTrt_F
PTCD2	0.63612	1.0455	0.608	0.61	1	MS.Trt_vs_MS.NoTrt_F
CDCA3	0.63726	0.50045	0.565	0.63	1	MS.Trt_vs_MS.NoTrt_F
PIGM	0.63741	0.48815	0.622	0.59	1	MS.Trt_vs_MS.NoTrt_F
MRPS22	0.63792	0.28111	0.565	0.62	1	MS.Trt_vs_MS.NoTrt_F
SPARCL1	0.63825	1.80326	0.18	0.17	1	MS.Trt_vs_MS.NoTrt_F
NCAPG2	0.63858	2.57816	0.273	0.28	1	MS.Trt_vs_MS.NoTrt_F
C17orf62	0.63955	0.42247	0.745	0.76	1	MS.Trt_vs_MS.NoTrt_F
NUP155	0.64065	0.63961	0.917	0.91	1	MS.Trt_vs_MS.NoTrt_F
P2RX5-TAX1	0.64203	0.46882	0.845	0.87	1	MS.Trt_vs_MS.NoTrt_F
ST3GAL2	0.64214	0.54592	0.914	0.99	1	MS.Trt_vs_MS.NoTrt_F
ANKRD16	0.64281	1.2142	0.46	0.49	1	MS.Trt_vs_MS.NoTrt_F
SPTB	0.64375	0.39342	0.453	0.5	1	MS.Trt_vs_MS.NoTrt_F
TEN1-CDK3	0.64646	-0.3569	0.583	0.56	1	MS.Trt_vs_MS.NoTrt_F
TM2D2	0.647	1.37759	0.392	0.4	1	MS.Trt_vs_MS.NoTrt_F
ZNF639	0.64701	-0.3682	0.871	0.93	1	MS.Trt_vs_MS.NoTrt_F
DNAJB4	0.6488	0.36602	0.396	0.41	1	MS.Trt_vs_MS.NoTrt_F
SLX1B	0.64885	0.70745	0.496	0.49	1	MS.Trt_vs_MS.NoTrt_F
CORO1C	0.65169	1.18311	0.094	0.11	1	MS.Trt_vs_MS.NoTrt_F
TRAT1	0.65254	1.14138	0.237	0.24	1	MS.Trt_vs_MS.NoTrt_F
POLR2J3	0.65346	0.37039	0.986	0.99	1	MS.Trt_vs_MS.NoTrt_F
BIRC5	0.65528	0.48541	0.655	0.72	1	MS.Trt_vs_MS.NoTrt_F
FBXL4	0.65536	0.8486	0.525	0.58	1	MS.Trt_vs_MS.NoTrt_F
D2HGDH	0.65843	0.28962	0.482	0.45	1	MS.Trt_vs_MS.NoTrt_F
COX19	0.65972	0.43258	0.601	0.66	1	MS.Trt_vs_MS.NoTrt_F
RWDD2A	0.66065	0.45713	0.5	0.56	1	MS.Trt_vs_MS.NoTrt_F
ZNF737	0.66152	-0.3303	0.849	0.88	1	MS.Trt_vs_MS.NoTrt_F
MT-CO3	0.66176	0.5106	0.608	0.67	1	MS.Trt_vs_MS.NoTrt_F
RBM44	0.66225	0.8082	0.27	0.29	1	MS.Trt_vs_MS.NoTrt_F
ZSWIM1	0.66306	0.36565	0.737	0.72	1	MS.Trt_vs_MS.NoTrt_F
PECAM1	0.66334	0.34389	0.745	0.76	1	MS.Trt_vs_MS.NoTrt_F



KDM5B	0.66388	0.63613	0.371	0.35	1 MS.Trt_vs_MS.NoTrt_F
SMU1	0.66444	0.64587	0.773	0.82	1 MS.Trt_vs_MS.NoTrt_F
TGM2	0.66453	0.27651	0.608	0.58	1 MS.Trt_vs_MS.NoTrt_F
LGALS1	0.66468	0.97439	0.378	0.47	1 MS.Trt_vs_MS.NoTrt_F
EIF1AX	0.66521	0.99501	0.252	0.29	1 MS.Trt_vs_MS.NoTrt_F
RPS29	0.66523	0.43423	0.896	0.94	1 MS.Trt_vs_MS.NoTrt_F
CCDC180	0.66576	-0.5266	0.709	0.78	1 MS.Trt_vs_MS.NoTrt_F
SLCO4C1	0.66598	1.1815	0.194	0.22	1 MS.Trt_vs_MS.NoTrt_F
PPM1L	0.66629	-0.8253	0.313	0.33	1 MS.Trt_vs_MS.NoTrt_F
ZNF682	0.66728	-0.822	0.403	0.38	1 MS.Trt_vs_MS.NoTrt_F
RGS11	0.66833	0.28406	0.18	0.2	1 MS.Trt_vs_MS.NoTrt_F
C14orf79	0.66859	0.60353	0.594	0.63	1 MS.Trt_vs_MS.NoTrt_F
CDC42BPG	0.67063	0.25492	0.543	0.56	1 MS.Trt_vs_MS.NoTrt_F
MTA3	0.67073	0.72546	0.644	0.7	1 MS.Trt_vs_MS.NoTrt_F
MRPS28	0.67098	-0.3594	0.59	0.63	1 MS.Trt_vs_MS.NoTrt_F
SHFM1	0.67102	0.468	0.91	0.92	1 MS.Trt_vs_MS.NoTrt_F
C19orf60	0.67133	0.31812	0.888	0.87	1 MS.Trt_vs_MS.NoTrt_F
F11R	0.67139	0.82625	0.615	0.66	1 MS.Trt_vs_MS.NoTrt_F
TPST2	0.67208	0.67753	0.619	0.65	1 MS.Trt_vs_MS.NoTrt_F
CLNK	0.67273	0.49836	0.687	0.69	1 MS.Trt_vs_MS.NoTrt_F
COA7	0.67421	-0.5786	0.906	0.9	1 MS.Trt_vs_MS.NoTrt_F
TVP23A	0.67488	0.4341	0.507	0.54	1 MS.Trt_vs_MS.NoTrt_F
VPS33A	0.67493	0.31847	0.878	0.86	1 MS.Trt_vs_MS.NoTrt_F
CPSF4	0.67555	0.43108	0.417	0.46	1 MS.Trt_vs_MS.NoTrt_F
DLG5	0.67601	0.5482	0.45	0.45	1 MS.Trt_vs_MS.NoTrt_F
SERF2	0.67655	0.25378	0.827	0.9	1 MS.Trt_vs_MS.NoTrt_F
NPIPB11	0.67688	0.30467	0.522	0.62	1 MS.Trt_vs_MS.NoTrt_F
FBXL20	0.6771	0.39655	0.939	0.94	1 MS.Trt_vs_MS.NoTrt_F
SFMBT2	0.67738	1.66744	0.338	0.38	1 MS.Trt_vs_MS.NoTrt_F
PSMB4	0.67762	0.81969	0.371	0.45	1 MS.Trt_vs_MS.NoTrt_F
LBHD1	0.67783	0.72513	0.529	0.56	1 MS.Trt_vs_MS.NoTrt_F
NFKB1	0.678	3.05932	0.133	0.16	1 MS.Trt_vs_MS.NoTrt_F
CDK13	0.6788	0.45247	0.835	0.89	1 MS.Trt_vs_MS.NoTrt_F
EFHC1	0.6791	0.41535	0.906	0.87	1 MS.Trt_vs_MS.NoTrt_F
GSE1	0.67933	0.85783	0.399	0.46	1 MS.Trt_vs_MS.NoTrt_F
TMEM59	0.67967	0.26995	0.896	0.87	1 MS.Trt_vs_MS.NoTrt_F
VRK3	0.68106	0.28293	0.788	0.83	1 MS.Trt_vs_MS.NoTrt_F
ZNF66	0.68109	-0.5421	0.626	0.62	1 MS.Trt_vs_MS.NoTrt_F
SLC6A16	0.68203	1.08624	0.252	0.29	1 MS.Trt_vs_MS.NoTrt_F
MCM4	0.68335	-0.3761	0.604	0.6	1 MS.Trt_vs_MS.NoTrt_F

ZNF573	0.68337	-0.7237	0.421	0.43	1	MS.Trt_vs_MS.NoTrt_F
SMPD3	0.68422	0.61272	0.705	0.74	1	MS.Trt_vs_MS.NoTrt_F
DDX3X	0.68501	0.58607	0.381	0.4	1	MS.Trt_vs_MS.NoTrt_F
COX20	0.68513	0.75284	0.622	0.65	1	MS.Trt_vs_MS.NoTrt_F
IL17RC	0.68585	-0.6508	0.428	0.37	1	MS.Trt_vs_MS.NoTrt_F
MIB2	0.68793	1.00963	0.245	0.26	1	MS.Trt_vs_MS.NoTrt_F
ASPSCR1	0.68849	0.28077	0.64	0.66	1	MS.Trt_vs_MS.NoTrt_F
GFOD2	0.68962	0.295	0.888	0.92	1	MS.Trt_vs_MS.NoTrt_F
POMT1	0.69003	0.59253	0.547	0.58	1	MS.Trt_vs_MS.NoTrt_F
TCEANC2	0.69073	-0.3746	0.91	0.93	1	MS.Trt_vs_MS.NoTrt_F
TCTN2	0.69093	0.43611	0.763	0.78	1	MS.Trt_vs_MS.NoTrt_F
STX3	0.69133	0.4699	0.446	0.49	1	MS.Trt_vs_MS.NoTrt_F
NFATC2IP	0.69279	0.35481	0.737	0.73	1	MS.Trt_vs_MS.NoTrt_F
PSMB6	0.69288	0.64953	0.629	0.62	1	MS.Trt_vs_MS.NoTrt_F
INMT	0.69288	0.31743	0.683	0.74	1	MS.Trt_vs_MS.NoTrt_F
NUDT15	0.69525	1.1934	0.594	0.62	1	MS.Trt_vs_MS.NoTrt_F
ZNF696	0.69555	0.32085	0.363	0.35	1	MS.Trt_vs_MS.NoTrt_F
PDE6B	0.69559	0.42585	0.615	0.66	1	MS.Trt_vs_MS.NoTrt_F
TTC39C	0.69626	0.47934	0.817	0.9	1	MS.Trt_vs_MS.NoTrt_F
ATP1A3	0.69847	-0.265	0.371	0.4	1	MS.Trt_vs_MS.NoTrt_F
LSM5	0.69941	0.97955	0.5	0.5	1	MS.Trt_vs_MS.NoTrt_F
HOPX	0.7017	0.49317	0.781	0.85	1	MS.Trt_vs_MS.NoTrt_F
NBPF12	0.70357	0.9542	0.371	0.38	1	MS.Trt_vs_MS.NoTrt_F
PSMD12	0.70442	0.83505	0.723	0.79	1	MS.Trt_vs_MS.NoTrt_F
ING5	0.70789	-0.3065	0.95	0.94	1	MS.Trt_vs_MS.NoTrt_F
DCLRE1C	0.70806	0.66103	0.691	0.69	1	MS.Trt_vs_MS.NoTrt_F
PLEKHH3	0.70823	0.2701	0.561	0.6	1	MS.Trt_vs_MS.NoTrt_F
ACTR3C	0.70946	0.42517	0.525	0.56	1	MS.Trt_vs_MS.NoTrt_F
GCLC	0.70951	-0.7547	0.568	0.59	1	MS.Trt_vs_MS.NoTrt_F
SETDB1	0.70961	0.3164	0.604	0.55	1	MS.Trt_vs_MS.NoTrt_F
C4orf19	0.71106	0.33654	0.759	0.83	1	MS.Trt_vs_MS.NoTrt_F
PHEX	0.71152	-1.1692	0.101	0.11	1	MS.Trt_vs_MS.NoTrt_F
DHX57	0.71185	-0.3077	0.597	0.57	1	MS.Trt_vs_MS.NoTrt_F
FOSB	0.71217	0.85817	0.36	0.4	1	MS.Trt_vs_MS.NoTrt_F
SUCLG1	0.71232	0.28777	0.442	0.46	1	MS.Trt_vs_MS.NoTrt_F
ZNF441	0.71322	1.69504	0.205	0.23	1	MS.Trt_vs_MS.NoTrt_F
MORN1	0.71379	0.77774	0.568	0.55	1	MS.Trt_vs_MS.NoTrt_F
ZNF625	0.71671	0.36923	0.284	0.28	1	MS.Trt_vs_MS.NoTrt_F
PARVA	0.71678	-0.2804	0.719	0.79	1	MS.Trt_vs_MS.NoTrt_F
AGPAT5	0.7175	1.73489	0.147	0.17	1	MS.Trt_vs_MS.NoTrt_F

PIPOX	0.7179	-0.4378	0.615	0.6	1 MS.Trt_vs_MS.NoTrt_F
SPG7	0.719	0.50315	0.957	0.97	1 MS.Trt_vs_MS.NoTrt_F
NCAPD2	0.71945	0.3805	0.45	0.46	1 MS.Trt_vs_MS.NoTrt_F
KCTD20	0.71997	0.84682	0.701	0.72	1 MS.Trt_vs_MS.NoTrt_F
P4HA2	0.72122	0.63621	0.464	0.53	1 MS.Trt_vs_MS.NoTrt_F
TRAPPC12	0.72128	0.36829	0.594	0.6	1 MS.Trt_vs_MS.NoTrt_F
SH2D1B	0.7216	0.92568	0.234	0.24	1 MS.Trt_vs_MS.NoTrt_F
CXorf57	0.72279	-0.6896	0.147	0.16	1 MS.Trt_vs_MS.NoTrt_F
PPP6R3	0.72285	0.41392	0.522	0.57	1 MS.Trt_vs_MS.NoTrt_F
RGS16	0.72472	0.71206	0.112	0.13	1 MS.Trt_vs_MS.NoTrt_F
MICU1	0.72537	0.26947	0.719	0.73	1 MS.Trt_vs_MS.NoTrt_F
SAMD1	0.72579	0.97321	0.097	0.11	1 MS.Trt_vs_MS.NoTrt_F
ORAI3	0.72675	0.87569	0.137	0.16	1 MS.Trt_vs_MS.NoTrt_F
NEUROD2	0.72741	0.52758	0.212	0.22	1 MS.Trt_vs_MS.NoTrt_F
CLMN	0.72764	0.40996	0.633	0.7	1 MS.Trt_vs_MS.NoTrt_F
SUN1	0.72781	0.40363	0.612	0.7	1 MS.Trt_vs_MS.NoTrt_F
TMEM168	0.72829	1.04906	0.536	0.51	1 MS.Trt_vs_MS.NoTrt_F
ZNF836	0.72878	-0.6107	0.223	0.24	1 MS.Trt_vs_MS.NoTrt_F
TBCEL	0.729	-0.3956	0.162	0.18	1 MS.Trt_vs_MS.NoTrt_F
C15orf61	0.72932	0.61153	0.576	0.63	1 MS.Trt_vs_MS.NoTrt_F
SSH1	0.7296	0.47771	0.86	0.89	1 MS.Trt_vs_MS.NoTrt_F
ZNF525	0.73036	-0.8711	0.59	0.59	1 MS.Trt_vs_MS.NoTrt_F
CENPL	0.73037	-0.3013	0.719	0.75	1 MS.Trt_vs_MS.NoTrt_F
ULK2	0.73092	-0.333	0.727	0.72	1 MS.Trt_vs_MS.NoTrt_F
C7orf50	0.73116	0.45135	0.371	0.39	1 MS.Trt_vs_MS.NoTrt_F
ZNF346	0.73142	-0.5463	0.799	0.8	1 MS.Trt_vs_MS.NoTrt_F
TYMS	0.7317	1.12546	0.237	0.26	1 MS.Trt_vs_MS.NoTrt_F
USF3	0.73238	0.42622	0.727	0.77	1 MS.Trt_vs_MS.NoTrt_F
FAM131A	0.73395	0.51775	0.795	0.82	1 MS.Trt_vs_MS.NoTrt_F
CFP	0.7343	2.3235	0.363	0.38	1 MS.Trt_vs_MS.NoTrt_F
ZNF385C	0.73502	0.36043	0.572	0.61	1 MS.Trt_vs_MS.NoTrt_F
MED13	0.73559	0.53675	0.554	0.56	1 MS.Trt_vs_MS.NoTrt_F
RUVBL1	0.73561	0.45868	0.734	0.71	1 MS.Trt_vs_MS.NoTrt_F
SRGAP2	0.73578	0.26545	0.543	0.59	1 MS.Trt_vs_MS.NoTrt_F
ZNF683	0.73609	1.09757	0.112	0.11	1 MS.Trt_vs_MS.NoTrt_F
IFI35	0.73738	0.30749	0.799	0.83	1 MS.Trt_vs_MS.NoTrt_F
HMGCL	0.73757	-1.0167	0.601	0.6	1 MS.Trt_vs_MS.NoTrt_F
TRHDE	0.738	0.26791	0.234	0.26	1 MS.Trt_vs_MS.NoTrt_F
MRPS24	0.73845	0.32774	0.547	0.55	1 MS.Trt_vs_MS.NoTrt_F
RREB1	0.73851	0.72663	0.752	0.8	1 MS.Trt_vs_MS.NoTrt_F

PTAFR	0.73868	-0.3326	0.64	0.65	1 MS.Trt_vs_MS.NoTrt_F
ACTN1	0.73986	1.18652	0.601	0.66	1 MS.Trt_vs_MS.NoTrt_F
PPT2	0.73991	-0.3377	0.576	0.56	1 MS.Trt_vs_MS.NoTrt_F
FAM135A	0.74156	-0.3727	0.471	0.46	1 MS.Trt_vs_MS.NoTrt_F
AC006449.1	0.7432	0.47133	0.18	0.2	1 MS.Trt_vs_MS.NoTrt_F
LPIN3	0.7433	-0.3115	0.471	0.49	1 MS.Trt_vs_MS.NoTrt_F
RPH3AL	0.74373	0.44707	0.363	0.38	1 MS.Trt_vs_MS.NoTrt_F
APBA2	0.74412	0.33385	0.529	0.61	1 MS.Trt_vs_MS.NoTrt_F
NHLRC2	0.74473	0.56542	0.763	0.79	1 MS.Trt_vs_MS.NoTrt_F
FOXO3	0.74511	0.98226	0.421	0.43	1 MS.Trt_vs_MS.NoTrt_F
SPOCD1	0.74564	0.5018	0.601	0.64	1 MS.Trt_vs_MS.NoTrt_F
ZNF530	0.74621	-1.1815	0.511	0.52	1 MS.Trt_vs_MS.NoTrt_F
CACUL1	0.74659	1.03248	0.766	0.79	1 MS.Trt_vs_MS.NoTrt_F
TMEM136	0.74667	1.14409	0.54	0.53	1 MS.Trt_vs_MS.NoTrt_F
ZSWIM7	0.74698	0.52634	0.781	0.84	1 MS.Trt_vs_MS.NoTrt_F
BTNL9	0.74722	0.41899	0.853	0.88	1 MS.Trt_vs_MS.NoTrt_F
ZSCAN31	0.74731	0.29584	0.108	0.1	1 MS.Trt_vs_MS.NoTrt_F
AFAP1L1	0.74833	0.28727	0.54	0.48	1 MS.Trt_vs_MS.NoTrt_F
YARS	0.74866	-0.4078	0.871	0.9	1 MS.Trt_vs_MS.NoTrt_F
LRRC57	0.74915	0.29937	0.968	0.98	1 MS.Trt_vs_MS.NoTrt_F
CTSB	0.74961	0.30962	0.917	0.96	1 MS.Trt_vs_MS.NoTrt_F
ASB16	0.74996	0.3335	0.396	0.41	1 MS.Trt_vs_MS.NoTrt_F
LARP4B	0.75025	1.6878	0.306	0.36	1 MS.Trt_vs_MS.NoTrt_F
LIG3	0.75083	-0.6199	0.273	0.28	1 MS.Trt_vs_MS.NoTrt_F
DDX59	0.7514	0.40791	0.46	0.45	1 MS.Trt_vs_MS.NoTrt_F
RAC1	0.75251	1.06497	0.23	0.27	1 MS.Trt_vs_MS.NoTrt_F
C3orf62	0.75259	-0.2856	0.773	0.86	1 MS.Trt_vs_MS.NoTrt_F
SHPK	0.75359	-0.597	0.486	0.49	1 MS.Trt_vs_MS.NoTrt_F
GTSF1	0.7539	-0.3572	0.273	0.27	1 MS.Trt_vs_MS.NoTrt_F
BCR	0.75409	1.95306	0.291	0.32	1 MS.Trt_vs_MS.NoTrt_F
BAP1	0.75499	0.64504	0.299	0.28	1 MS.Trt_vs_MS.NoTrt_F
TRIM22	0.75533	0.41258	0.885	0.91	1 MS.Trt_vs_MS.NoTrt_F
MT-ND6	0.75552	0.50178	0.651	0.8	1 MS.Trt_vs_MS.NoTrt_F
KLHL23	0.75565	0.26232	0.223	0.24	1 MS.Trt_vs_MS.NoTrt_F
IRF2BPL	0.75578	0.78096	0.489	0.51	1 MS.Trt_vs_MS.NoTrt_F
ZNF630	0.75603	-0.899	0.453	0.47	1 MS.Trt_vs_MS.NoTrt_F
SYNJ2	0.75617	-0.4088	0.899	0.91	1 MS.Trt_vs_MS.NoTrt_F
CKAP2L	0.75637	0.34035	0.522	0.57	1 MS.Trt_vs_MS.NoTrt_F
ZBTB3	0.75674	0.27895	0.781	0.84	1 MS.Trt_vs_MS.NoTrt_F
TUBB4A	0.75701	-0.6121	0.201	0.22	1 MS.Trt_vs_MS.NoTrt_F

GPATCH2L	0.75708	0.29259	0.701	0.72	1	MS.Trt_vs_MS.NoTrt_F
ZNF461	0.75715	0.50319	0.655	0.66	1	MS.Trt_vs_MS.NoTrt_F
STPG1	0.75785	-0.7302	0.791	0.81	1	MS.Trt_vs_MS.NoTrt_F
BOP1	0.7582	0.37588	0.241	0.26	1	MS.Trt_vs_MS.NoTrt_F
TSC22D2	0.75841	0.82608	0.435	0.48	1	MS.Trt_vs_MS.NoTrt_F
SNRPD3	0.75843	0.64419	0.716	0.76	1	MS.Trt_vs_MS.NoTrt_F
EML2	0.75884	0.26078	0.694	0.68	1	MS.Trt_vs_MS.NoTrt_F
SLC39A8	0.75909	-0.3457	0.385	0.39	1	MS.Trt_vs_MS.NoTrt_F
FBXO43	0.75973	0.2742	0.442	0.47	1	MS.Trt_vs_MS.NoTrt_F
EFCAB13	0.76	-0.4159	0.342	0.35	1	MS.Trt_vs_MS.NoTrt_F
DOPEY2	0.76055	-0.3772	0.799	0.83	1	MS.Trt_vs_MS.NoTrt_F
EBPL	0.76084	0.34689	0.647	0.71	1	MS.Trt_vs_MS.NoTrt_F
AC025335.1	0.76151	-0.4513	0.615	0.58	1	MS.Trt_vs_MS.NoTrt_F
C5	0.76199	-0.2572	0.457	0.48	1	MS.Trt_vs_MS.NoTrt_F
ARMC10	0.76279	-0.3696	0.601	0.64	1	MS.Trt_vs_MS.NoTrt_F
MTHFD1L	0.7631	2.0431	0.144	0.16	1	MS.Trt_vs_MS.NoTrt_F
SRSF6	0.76334	0.7984	0.723	0.8	1	MS.Trt_vs_MS.NoTrt_F
COX15	0.7637	-0.5729	0.633	0.62	1	MS.Trt_vs_MS.NoTrt_F
TIMM10B	0.76379	0.45974	0.604	0.58	1	MS.Trt_vs_MS.NoTrt_F
DGKD	0.76409	0.33507	0.622	0.64	1	MS.Trt_vs_MS.NoTrt_F
KANK1	0.76438	0.3653	0.734	0.76	1	MS.Trt_vs_MS.NoTrt_F
SCUBE3	0.76494	-0.2774	0.626	0.66	1	MS.Trt_vs_MS.NoTrt_F
C6orf25	0.76508	0.61631	0.518	0.55	1	MS.Trt_vs_MS.NoTrt_F
POLK	0.76514	0.50093	0.82	0.87	1	MS.Trt_vs_MS.NoTrt_F
EBNA1BP2	0.76566	0.35005	0.543	0.51	1	MS.Trt_vs_MS.NoTrt_F
ZCCHC9	0.76621	0.25528	0.673	0.68	1	MS.Trt_vs_MS.NoTrt_F
SMIM8	0.7663	1.29044	0.604	0.63	1	MS.Trt_vs_MS.NoTrt_F
CASS4	0.76691	0.48643	0.482	0.49	1	MS.Trt_vs_MS.NoTrt_F
GDAP2	0.76884	0.69363	0.633	0.69	1	MS.Trt_vs_MS.NoTrt_F
ZNF70	0.77039	0.62618	0.871	0.87	1	MS.Trt_vs_MS.NoTrt_F
KIAA1586	0.77121	1.23002	0.155	0.17	1	MS.Trt_vs_MS.NoTrt_F
PIGW	0.77294	-0.6871	0.439	0.43	1	MS.Trt_vs_MS.NoTrt_F
PHTF1	0.77306	0.38722	0.536	0.57	1	MS.Trt_vs_MS.NoTrt_F
NTHL1	0.77312	-0.4772	0.119	0.11	1	MS.Trt_vs_MS.NoTrt_F
EIF4E	0.77356	0.45081	0.986	0.99	1	MS.Trt_vs_MS.NoTrt_F
ATP5S	0.77632	0.70208	0.91	0.93	1	MS.Trt_vs_MS.NoTrt_F
CCT2	0.77967	0.31464	0.802	0.83	1	MS.Trt_vs_MS.NoTrt_F
EEF1D	0.77976	0.30134	0.842	0.94	1	MS.Trt_vs_MS.NoTrt_F
PRMT2	0.78019	0.49431	0.417	0.46	1	MS.Trt_vs_MS.NoTrt_F
ZNF135	0.7806	1.42292	0.432	0.49	1	MS.Trt_vs_MS.NoTrt_F

MIER2	0.7807	0.91743	0.532	0.54	1 MS.Trt_vs_MS.NoTrt_F
TUBG1	0.78075	0.37338	0.615	0.61	1 MS.Trt_vs_MS.NoTrt_F
RIN2	0.78105	0.76781	0.295	0.3	1 MS.Trt_vs_MS.NoTrt_F
COQ5	0.7813	0.32867	0.817	0.9	1 MS.Trt_vs_MS.NoTrt_F
YEATS2	0.78131	0.30259	0.698	0.7	1 MS.Trt_vs_MS.NoTrt_F
LEO1	0.7824	0.42514	0.59	0.56	1 MS.Trt_vs_MS.NoTrt_F
YPEL1	0.7831	1.34652	0.446	0.47	1 MS.Trt_vs_MS.NoTrt_F
PPP2R1B	0.78423	0.47229	0.442	0.47	1 MS.Trt_vs_MS.NoTrt_F
COL1A1	0.7855	0.58832	0.525	0.55	1 MS.Trt_vs_MS.NoTrt_F
ZNF610	0.78568	0.50258	0.468	0.45	1 MS.Trt_vs_MS.NoTrt_F
GAL3ST4	0.78663	0.8601	0.453	0.45	1 MS.Trt_vs_MS.NoTrt_F
PRPF39	0.78692	0.33292	0.378	0.4	1 MS.Trt_vs_MS.NoTrt_F
TNFRSF17	0.78739	0.34775	0.453	0.53	1 MS.Trt_vs_MS.NoTrt_F
SULT1B1	0.78817	0.27035	0.899	0.96	1 MS.Trt_vs_MS.NoTrt_F
DTWD1	0.78876	0.61023	0.619	0.64	1 MS.Trt_vs_MS.NoTrt_F
LSAMP	0.78905	0.49277	0.45	0.5	1 MS.Trt_vs_MS.NoTrt_F
ZC3H8	0.78929	0.46322	0.781	0.8	1 MS.Trt_vs_MS.NoTrt_F
ITPK1	0.78949	-0.8093	0.547	0.58	1 MS.Trt_vs_MS.NoTrt_F
TMPRSS3	0.7897	-0.4633	0.367	0.38	1 MS.Trt_vs_MS.NoTrt_F
WDR11	0.7899	-0.5678	0.619	0.61	1 MS.Trt_vs_MS.NoTrt_F
SLC31A1	0.79026	-0.564	0.784	0.79	1 MS.Trt_vs_MS.NoTrt_F
NAA16	0.79037	0.38471	0.417	0.43	1 MS.Trt_vs_MS.NoTrt_F
MZB1	0.79049	0.25834	0.626	0.66	1 MS.Trt_vs_MS.NoTrt_F
PTPN12	0.7905	0.38519	0.77	0.81	1 MS.Trt_vs_MS.NoTrt_F
FOXP2	0.79103	0.39605	0.284	0.32	1 MS.Trt_vs_MS.NoTrt_F
GTF2H3	0.79125	0.42111	0.694	0.76	1 MS.Trt_vs_MS.NoTrt_F
CARS2	0.7915	0.56455	0.745	0.77	1 MS.Trt_vs_MS.NoTrt_F
PDCD4	0.79174	0.65093	0.629	0.71	1 MS.Trt_vs_MS.NoTrt_F
SLC30A4	0.79191	1.00439	0.845	0.89	1 MS.Trt_vs_MS.NoTrt_F
ZNF724	0.79233	-0.5869	0.863	0.92	1 MS.Trt_vs_MS.NoTrt_F
ASAH2B	0.79237	0.43127	0.421	0.41	1 MS.Trt_vs_MS.NoTrt_F
DAG1	0.79343	-0.4735	0.554	0.59	1 MS.Trt_vs_MS.NoTrt_F
ARPC2	0.79352	0.25641	0.971	0.99	1 MS.Trt_vs_MS.NoTrt_F
CRKL	0.79435	0.61792	0.601	0.64	1 MS.Trt_vs_MS.NoTrt_F
SOGA1	0.79511	0.40447	0.597	0.65	1 MS.Trt_vs_MS.NoTrt_F
DENND2D	0.79564	0.34457	0.392	0.44	1 MS.Trt_vs_MS.NoTrt_F
ATAD2B	0.79646	-0.3049	0.741	0.74	1 MS.Trt_vs_MS.NoTrt_F
ZNF37A	0.79875	0.9933	0.863	0.92	1 MS.Trt_vs_MS.NoTrt_F
ZNF583	0.79891	0.39989	0.781	0.85	1 MS.Trt_vs_MS.NoTrt_F
DR1	0.79918	0.62107	0.795	0.83	1 MS.Trt_vs_MS.NoTrt_F

SIN3B	0.7992	0.51762	0.788	0.78	1 MS.Trt_vs_MS.NoTrt_F
ADGRG1	0.79937	1.45451	0.694	0.72	1 MS.Trt_vs_MS.NoTrt_F
SMYD4	0.79945	0.54083	0.813	0.87	1 MS.Trt_vs_MS.NoTrt_F
FAM76A	0.79953	0.36693	0.86	0.85	1 MS.Trt_vs_MS.NoTrt_F
RNFT2	0.80022	-0.3512	0.881	0.93	1 MS.Trt_vs_MS.NoTrt_F
TSR2	0.80079	0.30059	0.446	0.46	1 MS.Trt_vs_MS.NoTrt_F
SDE2	0.80092	0.26907	0.655	0.72	1 MS.Trt_vs_MS.NoTrt_F
BRCA2	0.80229	-0.4203	0.424	0.43	1 MS.Trt_vs_MS.NoTrt_F
MAP3K10	0.80305	0.49535	0.342	0.38	1 MS.Trt_vs_MS.NoTrt_F
TXK	0.80315	1.13554	0.626	0.64	1 MS.Trt_vs_MS.NoTrt_F
ZFP90	0.80332	-0.7676	0.471	0.44	1 MS.Trt_vs_MS.NoTrt_F
SF3B3	0.80429	0.28477	0.942	0.97	1 MS.Trt_vs_MS.NoTrt_F
NWD1	0.80472	-0.3155	0.511	0.53	1 MS.Trt_vs_MS.NoTrt_F
DGKE	0.80502	0.42408	0.709	0.75	1 MS.Trt_vs_MS.NoTrt_F
MOAP1	0.80552	1.09224	0.388	0.42	1 MS.Trt_vs_MS.NoTrt_F
RHBDF2	0.80643	0.4685	0.914	0.93	1 MS.Trt_vs_MS.NoTrt_F
ZFYVE21	0.80686	0.44927	0.662	0.73	1 MS.Trt_vs_MS.NoTrt_F
PKIG	0.80764	0.30433	0.572	0.71	1 MS.Trt_vs_MS.NoTrt_F
GRID1	0.80897	0.46962	0.147	0.14	1 MS.Trt_vs_MS.NoTrt_F
PSMD13	0.80917	0.41677	0.597	0.63	1 MS.Trt_vs_MS.NoTrt_F
ANGPT4	0.80978	0.25915	0.493	0.48	1 MS.Trt_vs_MS.NoTrt_F
IL20RB	0.81036	0.77008	0.299	0.32	1 MS.Trt_vs_MS.NoTrt_F
DNAJC14	0.81047	-0.3064	0.608	0.62	1 MS.Trt_vs_MS.NoTrt_F
KCNT1	0.81079	0.29592	0.327	0.35	1 MS.Trt_vs_MS.NoTrt_F
SEC22B	0.81214	0.7498	0.853	0.84	1 MS.Trt_vs_MS.NoTrt_F
BLZF1	0.81216	-0.4716	0.496	0.49	1 MS.Trt_vs_MS.NoTrt_F
EPHB1	0.81326	1.26818	0.112	0.12	1 MS.Trt_vs_MS.NoTrt_F
NCKAP5L	0.81347	0.39154	0.647	0.67	1 MS.Trt_vs_MS.NoTrt_F
OAZ3	0.81428	-0.2991	0.468	0.45	1 MS.Trt_vs_MS.NoTrt_F
DCST1	0.81485	0.75638	0.155	0.17	1 MS.Trt_vs_MS.NoTrt_F
ME2	0.81498	0.56121	0.888	0.92	1 MS.Trt_vs_MS.NoTrt_F
CDC20B	0.81513	0.25568	0.612	0.67	1 MS.Trt_vs_MS.NoTrt_F
F2RL1	0.81517	1.6094	0.223	0.24	1 MS.Trt_vs_MS.NoTrt_F
C17orf75	0.81579	0.30036	0.827	0.85	1 MS.Trt_vs_MS.NoTrt_F
SPDYE2	0.81628	0.28683	0.633	0.71	1 MS.Trt_vs_MS.NoTrt_F
TAPBP	0.81692	0.26082	0.942	0.98	1 MS.Trt_vs_MS.NoTrt_F
C12orf49	0.81719	0.63209	0.737	0.78	1 MS.Trt_vs_MS.NoTrt_F
PDZD8	0.81723	0.57804	0.317	0.32	1 MS.Trt_vs_MS.NoTrt_F
SGK1	0.81728	1.71924	0.417	0.43	1 MS.Trt_vs_MS.NoTrt_F
FN1	0.81734	0.2583	0.403	0.41	1 MS.Trt_vs_MS.NoTrt_F

ATG3	0.81752	0.53977	0.46	0.44	1 MS.Trt_vs_MS.NoTrt_F
CAGE1	0.81787	0.45467	0.36	0.38	1 MS.Trt_vs_MS.NoTrt_F
DBF4	0.8181	0.62339	0.45	0.45	1 MS.Trt_vs_MS.NoTrt_F
BCL7B	0.81869	1.00808	0.442	0.48	1 MS.Trt_vs_MS.NoTrt_F
ZNF891	0.81905	0.33287	0.957	0.97	1 MS.Trt_vs_MS.NoTrt_F
PHF7	0.82021	0.26457	0.468	0.49	1 MS.Trt_vs_MS.NoTrt_F
DSE	0.82064	-0.5888	0.115	0.12	1 MS.Trt_vs_MS.NoTrt_F
MEGF8	0.82172	1.15442	0.511	0.54	1 MS.Trt_vs_MS.NoTrt_F
GNB1	0.82174	1.05793	0.353	0.35	1 MS.Trt_vs_MS.NoTrt_F
POLA2	0.82206	0.25624	0.655	0.66	1 MS.Trt_vs_MS.NoTrt_F
ZNF177	0.82226	0.50485	0.133	0.13	1 MS.Trt_vs_MS.NoTrt_F
CEP152	0.82237	-0.3181	0.709	0.7	1 MS.Trt_vs_MS.NoTrt_F
RPL35	0.82386	0.30927	0.691	0.87	1 MS.Trt_vs_MS.NoTrt_F
ZNRF1	0.82413	0.53148	0.295	0.31	1 MS.Trt_vs_MS.NoTrt_F
ABCA5	0.82436	0.90034	0.619	0.67	1 MS.Trt_vs_MS.NoTrt_F
CCND2	0.82495	1.04958	0.518	0.59	1 MS.Trt_vs_MS.NoTrt_F
FAM111A	0.82597	0.48431	0.525	0.54	1 MS.Trt_vs_MS.NoTrt_F
HYLS1	0.82603	1.33467	0.424	0.45	1 MS.Trt_vs_MS.NoTrt_F
ZFPM1	0.82629	0.59272	0.112	0.12	1 MS.Trt_vs_MS.NoTrt_F
PRR5-ARHG,	0.8274	-0.6179	0.129	0.14	1 MS.Trt_vs_MS.NoTrt_F
PLXNA3	0.82855	0.64614	0.809	0.85	1 MS.Trt_vs_MS.NoTrt_F
SLC28A2	0.82935	-0.2869	0.763	0.8	1 MS.Trt_vs_MS.NoTrt_F
ANKRD13D	0.82963	0.74079	0.687	0.74	1 MS.Trt_vs_MS.NoTrt_F
CARD11	0.83111	0.82333	0.266	0.29	1 MS.Trt_vs_MS.NoTrt_F
C22orf46	0.83118	1.07419	0.36	0.38	1 MS.Trt_vs_MS.NoTrt_F
SLC30A5	0.83119	0.64775	0.734	0.76	1 MS.Trt_vs_MS.NoTrt_F
AMY2B	0.83136	-0.7352	0.658	0.64	1 MS.Trt_vs_MS.NoTrt_F
ZNF662	0.83144	1.33843	0.576	0.58	1 MS.Trt_vs_MS.NoTrt_F
HSBP1	0.8316	1.03512	0.637	0.7	1 MS.Trt_vs_MS.NoTrt_F
ATG13	0.83165	0.71302	0.802	0.84	1 MS.Trt_vs_MS.NoTrt_F
HSPA2	0.83243	-0.5393	0.565	0.59	1 MS.Trt_vs_MS.NoTrt_F
TIGD6	0.8326	-0.674	0.227	0.24	1 MS.Trt_vs_MS.NoTrt_F
PFKFB2	0.83373	0.71474	0.281	0.28	1 MS.Trt_vs_MS.NoTrt_F
ERCC4	0.83488	-0.6127	0.885	0.91	1 MS.Trt_vs_MS.NoTrt_F
TMED4	0.83513	0.54477	0.946	0.95	1 MS.Trt_vs_MS.NoTrt_F
RELL1	0.83585	0.68399	0.568	0.6	1 MS.Trt_vs_MS.NoTrt_F
METTL8	0.83687	0.38852	0.903	0.93	1 MS.Trt_vs_MS.NoTrt_F
USP49	0.83703	0.38396	0.745	0.73	1 MS.Trt_vs_MS.NoTrt_F
ZNF470	0.83877	0.39543	0.737	0.78	1 MS.Trt_vs_MS.NoTrt_F
FGFR4	0.83883	0.50592	0.421	0.44	1 MS.Trt_vs_MS.NoTrt_F



SENP5	0.83892	0.55829	0.921	0.93	1 MS.Trt_vs_MS.NoTrt_F
LEPR	0.83914	0.51736	0.356	0.33	1 MS.Trt_vs_MS.NoTrt_F
AGBL4	0.83939	0.28302	0.385	0.4	1 MS.Trt_vs_MS.NoTrt_F
SLX1A	0.83941	0.54127	0.543	0.56	1 MS.Trt_vs_MS.NoTrt_F
MXD1	0.84095	1.32586	0.173	0.19	1 MS.Trt_vs_MS.NoTrt_F
APPL1	0.84273	-0.5326	0.486	0.48	1 MS.Trt_vs_MS.NoTrt_F
PGS1	0.84288	-0.5811	0.651	0.61	1 MS.Trt_vs_MS.NoTrt_F
SGK494	0.84291	0.69377	0.701	0.76	1 MS.Trt_vs_MS.NoTrt_F
PPARGC1B	0.84294	0.8628	0.727	0.76	1 MS.Trt_vs_MS.NoTrt_F
HYKK	0.84333	0.52702	0.831	0.89	1 MS.Trt_vs_MS.NoTrt_F
USP4	0.8435	0.33843	0.928	0.94	1 MS.Trt_vs_MS.NoTrt_F
PLIN5	0.84452	0.29635	0.806	0.8	1 MS.Trt_vs_MS.NoTrt_F
SLF2	0.84494	-0.3763	0.547	0.55	1 MS.Trt_vs_MS.NoTrt_F
PFKM	0.84534	0.34045	0.871	0.91	1 MS.Trt_vs_MS.NoTrt_F
CAPZA2	0.84567	0.4262	0.896	0.94	1 MS.Trt_vs_MS.NoTrt_F
WHAMM	0.84685	0.34237	0.838	0.87	1 MS.Trt_vs_MS.NoTrt_F
TMEM19	0.84694	0.25443	0.802	0.79	1 MS.Trt_vs_MS.NoTrt_F
UGT1A1	0.84732	0.28218	0.565	0.61	1 MS.Trt_vs_MS.NoTrt_F
CEP19	0.84735	0.75133	0.633	0.64	1 MS.Trt_vs_MS.NoTrt_F
HS3ST1	0.84793	0.63137	0.327	0.33	1 MS.Trt_vs_MS.NoTrt_F
ACSS2	0.84803	0.99638	0.54	0.55	1 MS.Trt_vs_MS.NoTrt_F
AVL9	0.84862	0.42775	0.896	0.93	1 MS.Trt_vs_MS.NoTrt_F
TMEM154	0.8497	0.40366	0.921	0.93	1 MS.Trt_vs_MS.NoTrt_F
RYR3	0.85001	0.28087	0.482	0.5	1 MS.Trt_vs_MS.NoTrt_F
RP11-1070B	0.85039	1.00911	0.223	0.23	1 MS.Trt_vs_MS.NoTrt_F
LRRC2	0.85138	-0.3262	0.745	0.79	1 MS.Trt_vs_MS.NoTrt_F
PHLDA1	0.85226	0.88769	0.525	0.56	1 MS.Trt_vs_MS.NoTrt_F
EIF2AK4	0.85246	0.52921	0.619	0.64	1 MS.Trt_vs_MS.NoTrt_F
TIMP3	0.85353	2.04749	0.097	0.11	1 MS.Trt_vs_MS.NoTrt_F
CLIP2	0.85389	-0.7025	0.36	0.37	1 MS.Trt_vs_MS.NoTrt_F
CDT1	0.85465	0.27405	0.475	0.49	1 MS.Trt_vs_MS.NoTrt_F
KBTBD2	0.85641	0.48748	0.658	0.69	1 MS.Trt_vs_MS.NoTrt_F
RAB36	0.85646	0.52191	0.36	0.38	1 MS.Trt_vs_MS.NoTrt_F
NCR3LG1	0.85702	-1.2707	0.104	0.11	1 MS.Trt_vs_MS.NoTrt_F
UNKL	0.85715	0.71605	0.482	0.47	1 MS.Trt_vs_MS.NoTrt_F
CXorf21	0.85815	-1.2357	0.381	0.41	1 MS.Trt_vs_MS.NoTrt_F
HENMT1	0.85823	-0.604	0.324	0.35	1 MS.Trt_vs_MS.NoTrt_F
BLOC1S3	0.85894	0.48158	0.597	0.6	1 MS.Trt_vs_MS.NoTrt_F
PLEKHA7	0.86083	0.73832	0.248	0.25	1 MS.Trt_vs_MS.NoTrt_F
IMP4	0.86189	0.52948	0.277	0.29	1 MS.Trt_vs_MS.NoTrt_F

ZNF316	0.86194	-0.5957	0.532	0.53	1 MS.Trt_vs_MS.NoTrt_F
NMD3	0.86339	0.44886	0.709	0.71	1 MS.Trt_vs_MS.NoTrt_F
A2M	0.86495	1.42761	0.18	0.19	1 MS.Trt_vs_MS.NoTrt_F
AVIL	0.86597	-0.6109	0.388	0.39	1 MS.Trt_vs_MS.NoTrt_F
PNP	0.86627	0.54951	0.385	0.4	1 MS.Trt_vs_MS.NoTrt_F
PEX13	0.8676	0.26911	0.795	0.77	1 MS.Trt_vs_MS.NoTrt_F
ZNF789	0.86769	0.90886	0.795	0.81	1 MS.Trt_vs_MS.NoTrt_F
MFSD9	0.86852	0.33716	0.478	0.5	1 MS.Trt_vs_MS.NoTrt_F
IDH3A	0.87063	0.54737	0.73	0.83	1 MS.Trt_vs_MS.NoTrt_F
KLHL36	0.87145	0.59629	0.644	0.67	1 MS.Trt_vs_MS.NoTrt_F
LRRC27	0.87472	0.42219	0.777	0.87	1 MS.Trt_vs_MS.NoTrt_F
RNF19B	0.87566	1.46238	0.112	0.11	1 MS.Trt_vs_MS.NoTrt_F
ZSCAN29	0.87614	1.33358	0.482	0.48	1 MS.Trt_vs_MS.NoTrt_F
SSC5D	0.87616	-0.3117	0.112	0.12	1 MS.Trt_vs_MS.NoTrt_F
NSUN3	0.8764	0.50211	0.806	0.81	1 MS.Trt_vs_MS.NoTrt_F
USP6NL	0.87902	0.29563	0.759	0.8	1 MS.Trt_vs_MS.NoTrt_F
STAM2	0.87906	0.93302	0.579	0.62	1 MS.Trt_vs_MS.NoTrt_F
IFITM1	0.88027	0.57957	0.55	0.66	1 MS.Trt_vs_MS.NoTrt_F
RSRC1	0.88186	0.55039	0.759	0.76	1 MS.Trt_vs_MS.NoTrt_F
CXADR	0.88226	-0.5885	0.327	0.34	1 MS.Trt_vs_MS.NoTrt_F
UBB	0.88289	0.52965	0.572	0.73	1 MS.Trt_vs_MS.NoTrt_F
CNPY4	0.88295	-0.2537	0.716	0.72	1 MS.Trt_vs_MS.NoTrt_F
METTL12	0.88301	-0.7262	0.655	0.64	1 MS.Trt_vs_MS.NoTrt_F
GP6	0.88611	0.59013	0.482	0.53	1 MS.Trt_vs_MS.NoTrt_F
CCP110	0.88637	-0.3196	0.532	0.52	1 MS.Trt_vs_MS.NoTrt_F
MDM2	0.88747	0.57265	0.986	0.98	1 MS.Trt_vs_MS.NoTrt_F
TMEM80	0.88782	0.47602	0.594	0.6	1 MS.Trt_vs_MS.NoTrt_F
LIFR	0.88893	1.24212	0.176	0.19	1 MS.Trt_vs_MS.NoTrt_F
RIPK2	0.88937	0.41106	0.23	0.23	1 MS.Trt_vs_MS.NoTrt_F
PLEK	0.89028	2.94957	0.119	0.12	1 MS.Trt_vs_MS.NoTrt_F
AC013264.1	0.89111	0.90771	0.446	0.53	1 MS.Trt_vs_MS.NoTrt_F
DAAM2	0.89136	0.71601	0.421	0.44	1 MS.Trt_vs_MS.NoTrt_F
ZNF718	0.89167	0.28356	0.306	0.33	1 MS.Trt_vs_MS.NoTrt_F
LIMS1	0.89217	0.29631	0.874	0.9	1 MS.Trt_vs_MS.NoTrt_F
TTC39B	0.8928	0.92028	0.759	0.77	1 MS.Trt_vs_MS.NoTrt_F
DHTKD1	0.89361	0.88697	0.827	0.85	1 MS.Trt_vs_MS.NoTrt_F
MBTPS1	0.89543	0.43734	0.568	0.6	1 MS.Trt_vs_MS.NoTrt_F
DUSP12	0.89548	0.83876	0.349	0.37	1 MS.Trt_vs_MS.NoTrt_F
CD8A	0.89573	1.76908	0.133	0.14	1 MS.Trt_vs_MS.NoTrt_F
COQ8B	0.89665	-0.3442	0.669	0.67	1 MS.Trt_vs_MS.NoTrt_F

U2AF1L4	0.89699	0.35312	0.799	0.83	1 MS.Trt_vs_MS.NoTrt_F
ATP10D	0.89726	0.7702	0.392	0.4	1 MS.Trt_vs_MS.NoTrt_F
SSR1	0.89765	0.48293	0.917	0.93	1 MS.Trt_vs_MS.NoTrt_F
TOB1	0.89848	0.41354	0.626	0.74	1 MS.Trt_vs_MS.NoTrt_F
RANGAP1	0.89917	-0.3326	0.734	0.69	1 MS.Trt_vs_MS.NoTrt_F
ZNF846	0.89971	0.3765	0.496	0.53	1 MS.Trt_vs_MS.NoTrt_F
RALBP1	0.90019	0.86112	0.439	0.44	1 MS.Trt_vs_MS.NoTrt_F
SSU72	0.90045	0.43605	0.914	0.95	1 MS.Trt_vs_MS.NoTrt_F
SLC39A14	0.90055	-0.974	0.46	0.45	1 MS.Trt_vs_MS.NoTrt_F
TP53	0.90379	0.33751	0.745	0.81	1 MS.Trt_vs_MS.NoTrt_F
DNAJB5	0.90472	0.94248	0.201	0.21	1 MS.Trt_vs_MS.NoTrt_F
THEM4	0.905	0.29483	0.809	0.79	1 MS.Trt_vs_MS.NoTrt_F
SRGAP3	0.90515	-0.3168	0.835	0.88	1 MS.Trt_vs_MS.NoTrt_F
APOBEC3F	0.90587	0.35825	0.924	0.88	1 MS.Trt_vs_MS.NoTrt_F
MAP3K11	0.90648	0.25222	0.691	0.7	1 MS.Trt_vs_MS.NoTrt_F
KLHL35	0.90779	0.46157	0.471	0.46	1 MS.Trt_vs_MS.NoTrt_F
ZNF576	0.90874	0.27705	0.536	0.56	1 MS.Trt_vs_MS.NoTrt_F
SWSAP1	0.91009	-0.3013	0.701	0.71	1 MS.Trt_vs_MS.NoTrt_F
MEIOC	0.91059	-0.2625	0.655	0.69	1 MS.Trt_vs_MS.NoTrt_F
ORC1	0.91121	0.31532	0.245	0.27	1 MS.Trt_vs_MS.NoTrt_F
PNPO	0.91132	-0.3069	0.658	0.67	1 MS.Trt_vs_MS.NoTrt_F
GSDMA	0.91185	0.36721	0.662	0.68	1 MS.Trt_vs_MS.NoTrt_F
KNL1	0.91287	0.3161	0.432	0.43	1 MS.Trt_vs_MS.NoTrt_F
SPACA9	0.91349	-0.3828	0.644	0.64	1 MS.Trt_vs_MS.NoTrt_F
PRKCA	0.91534	0.29908	0.745	0.76	1 MS.Trt_vs_MS.NoTrt_F
TM2D3	0.91745	-0.2534	0.777	0.79	1 MS.Trt_vs_MS.NoTrt_F
CEP135	0.91753	-0.6042	0.799	0.8	1 MS.Trt_vs_MS.NoTrt_F
ARF6	0.91799	0.66364	0.701	0.76	1 MS.Trt_vs_MS.NoTrt_F
ATP2A2	0.91939	0.71163	0.748	0.72	1 MS.Trt_vs_MS.NoTrt_F
ARID3A	0.91988	-0.299	0.594	0.58	1 MS.Trt_vs_MS.NoTrt_F
C12orf60	0.92196	0.38115	0.619	0.62	1 MS.Trt_vs_MS.NoTrt_F
TXLNA	0.92201	0.66096	0.385	0.44	1 MS.Trt_vs_MS.NoTrt_F
RGS12	0.92284	-0.9961	0.86	0.85	1 MS.Trt_vs_MS.NoTrt_F
STAT4	0.92297	0.65639	0.363	0.39	1 MS.Trt_vs_MS.NoTrt_F
CDC73	0.92317	0.49927	0.572	0.55	1 MS.Trt_vs_MS.NoTrt_F
MYL6B	0.92403	0.41547	0.572	0.62	1 MS.Trt_vs_MS.NoTrt_F
TBCCD1	0.92453	0.49564	0.406	0.41	1 MS.Trt_vs_MS.NoTrt_F
TTC37	0.92515	0.27787	0.414	0.43	1 MS.Trt_vs_MS.NoTrt_F
TXNL1	0.9258	0.34663	0.662	0.71	1 MS.Trt_vs_MS.NoTrt_F
TIMM23B	0.92771	0.50606	0.608	0.66	1 MS.Trt_vs_MS.NoTrt_F

ACY1	0.92881	0.51648	0.644	0.62	1 MS.Trt_vs_MS.NoTrt_F
WDR90	0.93016	0.63652	0.878	0.91	1 MS.Trt_vs_MS.NoTrt_F
ZNF14	0.93024	1.67306	0.396	0.41	1 MS.Trt_vs_MS.NoTrt_F
LASP1	0.93058	-0.402	0.809	0.82	1 MS.Trt_vs_MS.NoTrt_F
IDH2	0.93205	0.81469	0.511	0.56	1 MS.Trt_vs_MS.NoTrt_F
UBE2W	0.9327	0.35646	0.658	0.7	1 MS.Trt_vs_MS.NoTrt_F
AGO2	0.93322	0.95595	0.392	0.45	1 MS.Trt_vs_MS.NoTrt_F
TANC1	0.93468	0.2918	0.378	0.39	1 MS.Trt_vs_MS.NoTrt_F
PIP4K2A	0.93505	0.46298	0.824	0.91	1 MS.Trt_vs_MS.NoTrt_F
AC012314.1	0.93531	0.31939	0.691	0.88	1 MS.Trt_vs_MS.NoTrt_F
AC012314.1	0.93531	0.31939	0.691	0.88	1 MS.Trt_vs_MS.NoTrt_F
AC012314.1	0.93531	0.31939	0.691	0.88	1 MS.Trt_vs_MS.NoTrt_F
AC012314.2	0.93531	0.31939	0.691	0.88	1 MS.Trt_vs_MS.NoTrt_F
AC012314.4	0.93531	0.31939	0.691	0.88	1 MS.Trt_vs_MS.NoTrt_F
AC012314.5	0.93531	0.31939	0.691	0.88	1 MS.Trt_vs_MS.NoTrt_F
CD36	0.9358	1.40256	0.55	0.53	1 MS.Trt_vs_MS.NoTrt_F
EXT1	0.93604	0.49072	0.201	0.21	1 MS.Trt_vs_MS.NoTrt_F
RP11-231C1	0.93624	0.54585	0.694	0.79	1 MS.Trt_vs_MS.NoTrt_F
NALCN	0.93661	-0.3416	0.543	0.54	1 MS.Trt_vs_MS.NoTrt_F
POC1B	0.93735	0.6054	0.755	0.83	1 MS.Trt_vs_MS.NoTrt_F
SPDYE3	0.93812	0.31256	0.59	0.56	1 MS.Trt_vs_MS.NoTrt_F
S1PR5	0.9387	0.28414	0.129	0.13	1 MS.Trt_vs_MS.NoTrt_F
TOMM40	0.93924	-0.3736	0.619	0.65	1 MS.Trt_vs_MS.NoTrt_F
METTL21B	0.93975	0.83127	0.5	0.53	1 MS.Trt_vs_MS.NoTrt_F
LPGAT1	0.94048	0.74743	0.529	0.51	1 MS.Trt_vs_MS.NoTrt_F
ZSCAN5A	0.94055	-0.2706	0.784	0.82	1 MS.Trt_vs_MS.NoTrt_F
PGAM5	0.94132	-0.3221	0.77	0.79	1 MS.Trt_vs_MS.NoTrt_F
SLC7A13	0.94177	0.44781	0.155	0.17	1 MS.Trt_vs_MS.NoTrt_F
IFFO1	0.94178	0.82021	0.464	0.46	1 MS.Trt_vs_MS.NoTrt_F
ITPKB	0.94278	0.76697	0.597	0.62	1 MS.Trt_vs_MS.NoTrt_F
ATP6V1D	0.94289	0.31551	0.586	0.66	1 MS.Trt_vs_MS.NoTrt_F
SLC30A6	0.94295	0.33771	0.604	0.65	1 MS.Trt_vs_MS.NoTrt_F
GTPBP3	0.94337	0.26194	0.723	0.75	1 MS.Trt_vs_MS.NoTrt_F
UGDH	0.9436	-0.344	0.64	0.67	1 MS.Trt_vs_MS.NoTrt_F
EXOSC2	0.94474	0.31003	0.755	0.78	1 MS.Trt_vs_MS.NoTrt_F
DCUN1D5	0.94548	-0.2963	0.468	0.45	1 MS.Trt_vs_MS.NoTrt_F
CNTLN	0.94581	0.33823	0.349	0.36	1 MS.Trt_vs_MS.NoTrt_F
FGD2	0.94582	0.68325	0.759	0.78	1 MS.Trt_vs_MS.NoTrt_F
OASL	0.94655	0.87529	0.266	0.27	1 MS.Trt_vs_MS.NoTrt_F
JKAMP	0.94668	-0.4936	0.795	0.85	1 MS.Trt_vs_MS.NoTrt_F

ELP3	0.94715	-0.3758	0.536	0.5	1 MS.Trt_vs_MS.NoTrt_F
SNX30	0.94722	0.33275	0.482	0.5	1 MS.Trt_vs_MS.NoTrt_F
TIPIN	0.94728	0.721	0.612	0.62	1 MS.Trt_vs_MS.NoTrt_F
DND1	0.94756	0.3337	0.104	0.11	1 MS.Trt_vs_MS.NoTrt_F
RNF125	0.94773	0.33178	0.91	0.95	1 MS.Trt_vs_MS.NoTrt_F
TGFBRAP1	0.94927	0.37738	0.55	0.55	1 MS.Trt_vs_MS.NoTrt_F
MLF1	0.94969	0.72219	0.381	0.41	1 MS.Trt_vs_MS.NoTrt_F
HARBI1	0.94989	0.75236	0.604	0.62	1 MS.Trt_vs_MS.NoTrt_F
INPP4A	0.95079	0.47381	0.453	0.46	1 MS.Trt_vs_MS.NoTrt_F
ZNF658	0.95104	0.59798	0.216	0.22	1 MS.Trt_vs_MS.NoTrt_F
DBN1	0.95229	0.6956	0.234	0.24	1 MS.Trt_vs_MS.NoTrt_F
HEATR4	0.95396	0.9968	0.396	0.44	1 MS.Trt_vs_MS.NoTrt_F
EXOSC6	0.9549	0.71976	0.899	0.96	1 MS.Trt_vs_MS.NoTrt_F
ZSCAN18	0.95563	0.53481	0.694	0.69	1 MS.Trt_vs_MS.NoTrt_F
FKTN	0.95608	0.62049	0.209	0.22	1 MS.Trt_vs_MS.NoTrt_F
CD180	0.957	0.93504	0.295	0.3	1 MS.Trt_vs_MS.NoTrt_F
CCDC124	0.95776	0.26113	0.522	0.54	1 MS.Trt_vs_MS.NoTrt_F
NELFCD	0.95859	0.67042	0.594	0.59	1 MS.Trt_vs_MS.NoTrt_F
MYO7A	0.95954	0.47304	0.385	0.41	1 MS.Trt_vs_MS.NoTrt_F
WDPCP	0.96008	0.5776	0.95	0.96	1 MS.Trt_vs_MS.NoTrt_F
PLAC8	0.96172	0.9526	0.723	0.79	1 MS.Trt_vs_MS.NoTrt_F
IFT80	0.96178	0.91568	0.752	0.79	1 MS.Trt_vs_MS.NoTrt_F
TNRC18	0.96217	0.44634	0.777	0.81	1 MS.Trt_vs_MS.NoTrt_F
ADPRH	0.96247	3.26719	0.104	0.11	1 MS.Trt_vs_MS.NoTrt_F
ZBTB20	0.96271	0.44894	0.752	0.8	1 MS.Trt_vs_MS.NoTrt_F
PANK3	0.96303	0.80527	0.424	0.44	1 MS.Trt_vs_MS.NoTrt_F
PCCB	0.96309	0.37215	0.626	0.66	1 MS.Trt_vs_MS.NoTrt_F
ZNF772	0.96447	1.02642	0.507	0.52	1 MS.Trt_vs_MS.NoTrt_F
CD81	0.9645	1.19898	0.101	0.11	1 MS.Trt_vs_MS.NoTrt_F
GSN	0.96485	0.77901	0.637	0.64	1 MS.Trt_vs_MS.NoTrt_F
PLXDC1	0.96531	1.08824	0.694	0.75	1 MS.Trt_vs_MS.NoTrt_F
SPTLC2	0.96537	0.3214	0.719	0.74	1 MS.Trt_vs_MS.NoTrt_F
TDRD3	0.96556	0.72186	0.543	0.55	1 MS.Trt_vs_MS.NoTrt_F
PIK3C2B	0.96636	-0.333	0.45	0.42	1 MS.Trt_vs_MS.NoTrt_F
SLC23A3	0.9667	1.11766	0.46	0.49	1 MS.Trt_vs_MS.NoTrt_F
FBXO45	0.96719	0.88296	0.471	0.46	1 MS.Trt_vs_MS.NoTrt_F
OBSL1	0.9672	0.27222	0.187	0.19	1 MS.Trt_vs_MS.NoTrt_F
SH3YL1	0.96724	-0.5507	0.777	0.71	1 MS.Trt_vs_MS.NoTrt_F
MGA	0.96835	-0.316	0.881	0.89	1 MS.Trt_vs_MS.NoTrt_F
EXOC5	0.96915	0.97165	0.439	0.47	1 MS.Trt_vs_MS.NoTrt_F

MSS51	0.96918	-0.8115	0.536	0.56	1	MS.Trt_vs_MS.NoTrt_F
BRDT	0.96939	0.25162	0.554	0.59	1	MS.Trt_vs_MS.NoTrt_F
NBEAL1	0.96976	0.49088	0.856	0.91	1	MS.Trt_vs_MS.NoTrt_F
FNIP1	0.97029	0.83489	0.633	0.67	1	MS.Trt_vs_MS.NoTrt_F
DNAJA3	0.97155	0.33281	0.91	0.95	1	MS.Trt_vs_MS.NoTrt_F
EIF4EBP2	0.97286	0.38358	0.687	0.69	1	MS.Trt_vs_MS.NoTrt_F
ZNF554	0.97299	0.29946	0.932	0.96	1	MS.Trt_vs_MS.NoTrt_F
CSNK1A1	0.97554	0.4359	0.885	0.85	1	MS.Trt_vs_MS.NoTrt_F
KBTBD12	0.97677	0.25889	0.385	0.4	1	MS.Trt_vs_MS.NoTrt_F
HAVCR2	0.97692	0.3114	0.615	0.64	1	MS.Trt_vs_MS.NoTrt_F
FAM161B	0.977	0.63346	0.396	0.41	1	MS.Trt_vs_MS.NoTrt_F
TMEM107	0.97735	0.86645	0.532	0.58	1	MS.Trt_vs_MS.NoTrt_F
ZNF808	0.97938	1.40555	0.536	0.54	1	MS.Trt_vs_MS.NoTrt_F
FOCAD	0.98017	0.69586	0.522	0.52	1	MS.Trt_vs_MS.NoTrt_F
KIF27	0.98117	0.86657	0.353	0.36	1	MS.Trt_vs_MS.NoTrt_F
ADM2	0.98117	-0.3425	0.356	0.35	1	MS.Trt_vs_MS.NoTrt_F
A1BG	0.9813	0.32864	0.892	0.87	1	MS.Trt_vs_MS.NoTrt_F
ELMSAN1	0.98171	0.83021	0.727	0.75	1	MS.Trt_vs_MS.NoTrt_F
UGT8	0.98469	0.48717	0.46	0.48	1	MS.Trt_vs_MS.NoTrt_F
RHOF	0.98669	0.40913	0.741	0.78	1	MS.Trt_vs_MS.NoTrt_F
IBA57	0.9876	0.56556	0.813	0.86	1	MS.Trt_vs_MS.NoTrt_F
GLTSCR1	0.98787	0.40605	0.619	0.64	1	MS.Trt_vs_MS.NoTrt_F
NEU1	0.98821	1.00233	0.651	0.62	1	MS.Trt_vs_MS.NoTrt_F
GMPS	0.98847	0.48491	0.835	0.87	1	MS.Trt_vs_MS.NoTrt_F
PARD6G	0.98905	0.62991	0.511	0.55	1	MS.Trt_vs_MS.NoTrt_F
GMPR	0.98908	0.33337	0.356	0.4	1	MS.Trt_vs_MS.NoTrt_F
BFAR	0.98947	0.57572	0.543	0.58	1	MS.Trt_vs_MS.NoTrt_F
UNC45A	0.98949	0.31206	0.687	0.72	1	MS.Trt_vs_MS.NoTrt_F
RBP7	0.98963	1.30453	0.331	0.32	1	MS.Trt_vs_MS.NoTrt_F
KLRD1	0.98965	0.54575	0.975	0.98	1	MS.Trt_vs_MS.NoTrt_F
ARIH2	0.98966	0.51449	0.968	0.99	1	MS.Trt_vs_MS.NoTrt_F
RGS17	0.98983	0.43439	0.496	0.51	1	MS.Trt_vs_MS.NoTrt_F
DBR1	0.99017	0.42285	0.788	0.81	1	MS.Trt_vs_MS.NoTrt_F
ADAM15	0.99202	0.32786	0.374	0.36	1	MS.Trt_vs_MS.NoTrt_F
POLR2D	0.99219	-0.3574	0.784	0.77	1	MS.Trt_vs_MS.NoTrt_F
GNG7	0.99241	-0.51	0.435	0.46	1	MS.Trt_vs_MS.NoTrt_F
MROH1	0.99298	-0.6764	0.547	0.48	1	MS.Trt_vs_MS.NoTrt_F
KIF1BP	0.9936	0.4052	0.719	0.76	1	MS.Trt_vs_MS.NoTrt_F
CCDC30	0.99396	-0.3479	0.871	0.93	1	MS.Trt_vs_MS.NoTrt_F
TCTA	0.99436	0.43273	0.583	0.64	1	MS.Trt_vs_MS.NoTrt_F

AHCY	0.9963	1.98788	0.147	0.16	1	MS.Trt_vs_MS.NoTrt_F
RASGEF1B	0.99651	0.49368	0.698	0.76	1	MS.Trt_vs_MS.NoTrt_F
ADAMTS1	0.99654	0.472	0.439	0.48	1	MS.Trt_vs_MS.NoTrt_F
UBE2G2	0.99709	0.41498	0.705	0.72	1	MS.Trt_vs_MS.NoTrt_F
FKBP9	0.99719	0.53667	0.457	0.48	1	MS.Trt_vs_MS.NoTrt_F
OPN3	0.99719	-0.7263	0.313	0.3	1	MS.Trt_vs_MS.NoTrt_F
PLBD1	0.99783	-0.6164	0.482	0.48	1	MS.Trt_vs_MS.NoTrt_F
SMARCAL1	0.99854	0.66325	0.691	0.74	1	MS.Trt_vs_MS.NoTrt_F
ZIK1	0.99863	1.34723	0.335	0.33	1	MS.Trt_vs_MS.NoTrt_F
PTRH2	1	1.04764	0.18	0.18	1	MS.Trt_vs_MS.NoTrt_F
HLA-B	9.08E-30	-0.7671	0.83	0.98	1.45E-25	MS.Trt_vs_MS.NoTrt_B
RPS4Y1	2.18E-23	-4.7027	0.063	0.35	3.48E-19	MS.Trt_vs_MS.NoTrt_B
RPL13A	1.66E-22	-0.6421	0.743	1	2.65E-18	MS.Trt_vs_MS.NoTrt_B
CD99	3.88E-21	-0.8095	0.288	0.71	6.19E-17	MS.Trt_vs_MS.NoTrt_B
S100A4	2.04E-20	-0.8267	0.388	0.8	3.26E-16	MS.Trt_vs_MS.NoTrt_B
RPL27A	2.07E-19	-0.6265	0.76	0.98	3.30E-15	MS.Trt_vs_MS.NoTrt_B
MT-ND4L	8.66E-19	1.46742	0.985	0.99	1.38E-14	MS.Trt_vs_MS.NoTrt_B
RPL36	9.59E-19	-0.6113	0.458	0.87	1.53E-14	MS.Trt_vs_MS.NoTrt_B
EEF2	1.22E-18	-0.6186	0.773	0.99	1.96E-14	MS.Trt_vs_MS.NoTrt_B
RPS27A	2.36E-18	-0.5547	0.59	0.97	3.76E-14	MS.Trt_vs_MS.NoTrt_B
RPS16	3.82E-18	-0.5884	0.601	0.92	6.11E-14	MS.Trt_vs_MS.NoTrt_B
RPL7A	7.51E-18	-0.5782	0.608	0.97	1.20E-13	MS.Trt_vs_MS.NoTrt_B
RPL37A	2.01E-17	-0.558	0.603	0.94	3.22E-13	MS.Trt_vs_MS.NoTrt_B
FGF23	2.08E-17	0.51084	0.791	0.54	3.33E-13	MS.Trt_vs_MS.NoTrt_B
RPL24	2.20E-17	-0.5859	0.664	0.91	3.51E-13	MS.Trt_vs_MS.NoTrt_B
RPL36A	1.24E-16	-0.5904	0.556	0.84	1.97E-12	MS.Trt_vs_MS.NoTrt_B
RPS3	1.45E-16	-0.5014	0.8	1	2.31E-12	MS.Trt_vs_MS.NoTrt_B
FXYD5	2.84E-16	-0.5862	0.54	0.89	4.54E-12	MS.Trt_vs_MS.NoTrt_B
CTLA4	3.40E-16	-1.1243	0.131	0.41	5.44E-12	MS.Trt_vs_MS.NoTrt_B
TAC4	4.30E-16	-0.788	0.488	0.74	6.86E-12	MS.Trt_vs_MS.NoTrt_B
TMSB10	4.90E-16	-0.5663	0.784	1	7.83E-12	MS.Trt_vs_MS.NoTrt_B
RPL28	6.54E-16	-0.4774	0.708	1	1.05E-11	MS.Trt_vs_MS.NoTrt_B
RPL37	9.12E-16	-0.3166	0.858	0.99	1.46E-11	MS.Trt_vs_MS.NoTrt_B
COMMD1	1.66E-15	-0.3082	0.42	0.8	2.65E-11	MS.Trt_vs_MS.NoTrt_B
ANXA2	1.67E-15	-0.7003	0.542	0.82	2.66E-11	MS.Trt_vs_MS.NoTrt_B
RAN	1.93E-15	-0.5889	0.325	0.68	3.08E-11	MS.Trt_vs_MS.NoTrt_B
CSGALNACT	2.03E-15	-0.7741	0.37	0.69	3.25E-11	MS.Trt_vs_MS.NoTrt_B
RPS23	2.81E-15	-0.4648	0.623	0.97	4.49E-11	MS.Trt_vs_MS.NoTrt_B
HOXB2	3.63E-15	-1.264	0.052	0.27	5.81E-11	MS.Trt_vs_MS.NoTrt_B
RPS12	6.52E-15	-0.4954	0.673	0.98	1.04E-10	MS.Trt_vs_MS.NoTrt_B

TOMM7	1.68E-14	-0.3352	0.414	0.75	2.68E-10	MS.Trt_vs_MS.NoTrt_B
RPLP2	1.80E-14	-0.4846	0.571	0.96	2.87E-10	MS.Trt_vs_MS.NoTrt_B
RPL30	1.94E-14	-0.4353	0.699	0.97	3.10E-10	MS.Trt_vs_MS.NoTrt_B
PKM	3.18E-14	-0.4513	0.412	0.76	5.07E-10	MS.Trt_vs_MS.NoTrt_B
RPL22	4.02E-14	-0.3828	0.451	0.8	6.42E-10	MS.Trt_vs_MS.NoTrt_B
ANXA11	4.55E-14	-0.624	0.656	0.88	7.27E-10	MS.Trt_vs_MS.NoTrt_B
MT-CO2	5.19E-14	1.04422	0.983	1	8.30E-10	MS.Trt_vs_MS.NoTrt_B
RPS28	7.17E-14	-0.5258	0.569	0.94	1.15E-09	MS.Trt_vs_MS.NoTrt_B
EHD1	7.34E-14	-0.9308	0.2	0.49	1.17E-09	MS.Trt_vs_MS.NoTrt_B
LSP1	8.96E-14	-0.5224	0.54	0.87	1.43E-09	MS.Trt_vs_MS.NoTrt_B
CSTB	1.22E-13	-0.3258	0.322	0.65	1.95E-09	MS.Trt_vs_MS.NoTrt_B
TMBIM6	1.28E-13	-0.4766	0.636	0.92	2.05E-09	MS.Trt_vs_MS.NoTrt_B
XRCC6	1.58E-13	-0.4347	0.427	0.76	2.53E-09	MS.Trt_vs_MS.NoTrt_B
RPSA	1.84E-13	-0.5601	0.556	0.83	2.94E-09	MS.Trt_vs_MS.NoTrt_B
NACA	2.13E-13	-0.3118	0.802	0.98	3.40E-09	MS.Trt_vs_MS.NoTrt_B
RPL19	2.52E-13	-0.4867	0.654	0.94	4.02E-09	MS.Trt_vs_MS.NoTrt_B
RPL27	2.63E-13	-0.286	0.512	0.89	4.20E-09	MS.Trt_vs_MS.NoTrt_B
TMEM50A	2.81E-13	-0.5817	0.192	0.48	4.48E-09	MS.Trt_vs_MS.NoTrt_B
FTH1	2.95E-13	-0.4833	0.606	0.93	4.72E-09	MS.Trt_vs_MS.NoTrt_B
CASP8	4.34E-13	-0.6692	0.808	0.95	6.93E-09	MS.Trt_vs_MS.NoTrt_B
GAPDH	5.04E-13	-0.5695	0.61	0.89	8.06E-09	MS.Trt_vs_MS.NoTrt_B
WDR45	5.99E-13	-0.7539	0.429	0.72	9.56E-09	MS.Trt_vs_MS.NoTrt_B
MT-CO1	7.19E-13	-0.3184	0.965	1	1.15E-08	MS.Trt_vs_MS.NoTrt_B
ATXN10	7.51E-13	-0.2685	0.344	0.65	1.20E-08	MS.Trt_vs_MS.NoTrt_B
CD53	8.39E-13	-0.4835	0.468	0.82	1.34E-08	MS.Trt_vs_MS.NoTrt_B
NDUFA4	8.72E-13	-0.2762	0.462	0.75	1.39E-08	MS.Trt_vs_MS.NoTrt_B
RASA4	9.08E-13	-0.2835	0.505	0.77	1.45E-08	MS.Trt_vs_MS.NoTrt_B
RPL18	9.12E-13	-0.4078	0.545	0.92	1.46E-08	MS.Trt_vs_MS.NoTrt_B
CDC37	9.53E-13	-0.5756	0.253	0.56	1.52E-08	MS.Trt_vs_MS.NoTrt_B
GBP5	1.13E-12	-0.5387	0.484	0.78	1.80E-08	MS.Trt_vs_MS.NoTrt_B
TAGLN2	1.17E-12	-0.6194	0.407	0.71	1.86E-08	MS.Trt_vs_MS.NoTrt_B
RAC2	1.27E-12	-0.4321	0.566	0.87	2.02E-08	MS.Trt_vs_MS.NoTrt_B
RPL5	1.37E-12	-0.42	0.649	0.96	2.19E-08	MS.Trt_vs_MS.NoTrt_B
UQCR11	1.72E-12	-0.4057	0.473	0.77	2.75E-08	MS.Trt_vs_MS.NoTrt_B
NME2	1.93E-12	-0.4514	0.344	0.65	3.08E-08	MS.Trt_vs_MS.NoTrt_B
VIM	2.00E-12	-0.4296	0.641	0.92	3.19E-08	MS.Trt_vs_MS.NoTrt_B
RPS13	2.03E-12	-0.3239	0.688	0.96	3.24E-08	MS.Trt_vs_MS.NoTrt_B
CTB-133G6.	2.06E-12	-0.6907	0.179	0.45	3.29E-08	MS.Trt_vs_MS.NoTrt_B
PTPRCAP	2.50E-12	-0.516	0.462	0.78	3.99E-08	MS.Trt_vs_MS.NoTrt_B
IKZF3	2.74E-12	-0.4422	0.856	0.97	4.38E-08	MS.Trt_vs_MS.NoTrt_B



UBE2D2	2.85E-12	-0.4827	0.29	0.6	4.56E-08	MS.Trt_vs_MS.NoTrt_B
EEF1A1	3.79E-12	-0.2996	0.959	1	6.06E-08	MS.Trt_vs_MS.NoTrt_B
S100A10	4.09E-12	-0.4443	0.431	0.76	6.53E-08	MS.Trt_vs_MS.NoTrt_B
EIF4A1	4.26E-12	-0.514	0.375	0.68	6.80E-08	MS.Trt_vs_MS.NoTrt_B
LIME1	5.71E-12	-0.4464	0.29	0.62	9.12E-08	MS.Trt_vs_MS.NoTrt_B
RUNDC3B	6.07E-12	-0.5488	0.198	0.44	9.69E-08	MS.Trt_vs_MS.NoTrt_B
HS3ST3B1	6.25E-12	-0.2662	0.298	0.6	9.99E-08	MS.Trt_vs_MS.NoTrt_B
IL32	6.90E-12	-0.4147	0.782	0.97	1.10E-07	MS.Trt_vs_MS.NoTrt_B
RPL13	6.93E-12	-0.4034	0.791	0.99	1.11E-07	MS.Trt_vs_MS.NoTrt_B
RPL23	7.28E-12	-0.2952	0.658	0.9	1.16E-07	MS.Trt_vs_MS.NoTrt_B
CD247	9.45E-12	-0.41	0.329	0.63	1.51E-07	MS.Trt_vs_MS.NoTrt_B
H3F3A	9.72E-12	-0.2995	0.508	0.86	1.55E-07	MS.Trt_vs_MS.NoTrt_B
CCR6	9.92E-12	-0.5003	0.257	0.52	1.58E-07	MS.Trt_vs_MS.NoTrt_B
LAPTM5	1.00E-11	-0.3884	0.508	0.83	1.60E-07	MS.Trt_vs_MS.NoTrt_B
PRDX1	1.48E-11	-0.5592	0.407	0.67	2.36E-07	MS.Trt_vs_MS.NoTrt_B
RPS25	2.08E-11	-0.3424	0.61	0.95	3.32E-07	MS.Trt_vs_MS.NoTrt_B
SLC25A6	2.09E-11	-0.4332	0.44	0.76	3.34E-07	MS.Trt_vs_MS.NoTrt_B
EEF1B2	2.19E-11	-0.4107	0.375	0.7	3.49E-07	MS.Trt_vs_MS.NoTrt_B
C9orf16	2.34E-11	-0.5231	0.148	0.4	3.74E-07	MS.Trt_vs_MS.NoTrt_B
RPS8	2.41E-11	-0.3908	0.854	1	3.85E-07	MS.Trt_vs_MS.NoTrt_B
ANXA6	2.50E-11	-0.6236	0.34	0.64	4.00E-07	MS.Trt_vs_MS.NoTrt_B
LDHB	2.89E-11	-0.4215	0.575	0.91	4.61E-07	MS.Trt_vs_MS.NoTrt_B
PSMD8	3.08E-11	-0.5562	0.462	0.73	4.92E-07	MS.Trt_vs_MS.NoTrt_B
HCST	3.25E-11	-0.6281	0.216	0.48	5.19E-07	MS.Trt_vs_MS.NoTrt_B
STMN3	3.42E-11	-0.4286	0.155	0.39	5.47E-07	MS.Trt_vs_MS.NoTrt_B
MSN	3.48E-11	-0.367	0.453	0.74	5.55E-07	MS.Trt_vs_MS.NoTrt_B
CD52	3.50E-11	-0.3679	0.643	0.94	5.59E-07	MS.Trt_vs_MS.NoTrt_B
RPL31	3.69E-11	-0.2967	0.593	0.94	5.90E-07	MS.Trt_vs_MS.NoTrt_B
NONO	3.71E-11	-0.4099	0.49	0.78	5.93E-07	MS.Trt_vs_MS.NoTrt_B
RPL15	4.13E-11	-0.2752	0.882	1	6.60E-07	MS.Trt_vs_MS.NoTrt_B
CD5	4.33E-11	-0.4254	0.338	0.65	6.92E-07	MS.Trt_vs_MS.NoTrt_B
ARPC3	6.65E-11	-0.3827	0.331	0.64	1.06E-06	MS.Trt_vs_MS.NoTrt_B
TBC1D4	7.27E-11	-0.4045	0.237	0.51	1.16E-06	MS.Trt_vs_MS.NoTrt_B
PSME1	7.38E-11	-0.3703	0.464	0.76	1.18E-06	MS.Trt_vs_MS.NoTrt_B
PBX1	7.41E-11	-0.3348	0.728	0.95	1.18E-06	MS.Trt_vs_MS.NoTrt_B
ATP2B4	7.64E-11	-0.3595	0.344	0.62	1.22E-06	MS.Trt_vs_MS.NoTrt_B
TXNIP	8.08E-11	-0.3632	0.691	0.94	1.29E-06	MS.Trt_vs_MS.NoTrt_B
CAPN2	1.01E-10	-0.3311	0.617	0.85	1.61E-06	MS.Trt_vs_MS.NoTrt_B
RPS11	1.27E-10	-0.321	0.556	0.87	2.03E-06	MS.Trt_vs_MS.NoTrt_B
HNRNPH1	1.45E-10	1.10158	0.989	1	2.31E-06	MS.Trt_vs_MS.NoTrt_B

CNN2	1.67E-10	-0.5012	0.954	0.99	2.66E-06	MS.Trt_vs_MS.NoTrt_B
RASGRP1	1.69E-10	-0.6075	0.218	0.45	2.69E-06	MS.Trt_vs_MS.NoTrt_B
TUBA1B	1.79E-10	-0.5688	0.203	0.45	2.86E-06	MS.Trt_vs_MS.NoTrt_B
EPS15	2.23E-10	-0.3974	0.449	0.7	3.57E-06	MS.Trt_vs_MS.NoTrt_B
RPS24	2.46E-10	-0.3593	0.776	0.98	3.93E-06	MS.Trt_vs_MS.NoTrt_B
P2RY8	3.11E-10	-0.6018	0.368	0.64	4.97E-06	MS.Trt_vs_MS.NoTrt_B
CALCOCO1	3.35E-10	-0.368	0.338	0.63	5.34E-06	MS.Trt_vs_MS.NoTrt_B
VCP	3.94E-10	-0.5354	0.2	0.45	6.29E-06	MS.Trt_vs_MS.NoTrt_B
ARHGAP30	4.67E-10	-0.55	0.298	0.56	7.45E-06	MS.Trt_vs_MS.NoTrt_B
TTL5	4.86E-10	-0.6942	0.499	0.74	7.76E-06	MS.Trt_vs_MS.NoTrt_B
GPI	5.58E-10	-0.5181	0.795	0.92	8.92E-06	MS.Trt_vs_MS.NoTrt_B
EDF1	5.80E-10	-0.3296	0.288	0.58	9.26E-06	MS.Trt_vs_MS.NoTrt_B
RELL2	6.10E-10	-1.6892	0.026	0.16	9.74E-06	MS.Trt_vs_MS.NoTrt_B
RHOH	6.45E-10	-0.3573	0.721	0.89	1.03E-05	MS.Trt_vs_MS.NoTrt_B
FGD3	6.90E-10	-0.4055	0.414	0.68	1.10E-05	MS.Trt_vs_MS.NoTrt_B
GBP2	7.03E-10	-0.56	0.316	0.58	1.12E-05	MS.Trt_vs_MS.NoTrt_B
ACTG1	7.10E-10	-0.4061	0.802	0.96	1.13E-05	MS.Trt_vs_MS.NoTrt_B
LDLRAP1	7.12E-10	-0.6412	0.316	0.55	1.14E-05	MS.Trt_vs_MS.NoTrt_B
RPL35A	7.37E-10	-0.2594	0.747	0.97	1.18E-05	MS.Trt_vs_MS.NoTrt_B
HMGNA4	7.44E-10	-0.4796	0.176	0.41	1.19E-05	MS.Trt_vs_MS.NoTrt_B
CHTF8	8.03E-10	-0.7149	0.144	0.35	1.28E-05	MS.Trt_vs_MS.NoTrt_B
AQP3	8.34E-10	-0.9674	0.19	0.41	1.33E-05	MS.Trt_vs_MS.NoTrt_B
TMEM63A	8.52E-10	-0.4917	0.599	0.83	1.36E-05	MS.Trt_vs_MS.NoTrt_B
PBXIP1	8.69E-10	-0.5873	0.466	0.71	1.39E-05	MS.Trt_vs_MS.NoTrt_B
COX7C	8.83E-10	-0.3303	0.288	0.56	1.41E-05	MS.Trt_vs_MS.NoTrt_B
PPP2R1A	9.01E-10	-0.2771	0.547	0.77	1.44E-05	MS.Trt_vs_MS.NoTrt_B
JAKMIP1	9.31E-10	-0.6981	0.163	0.38	1.49E-05	MS.Trt_vs_MS.NoTrt_B
GGA2	9.72E-10	-0.4619	0.479	0.75	1.55E-05	MS.Trt_vs_MS.NoTrt_B
IL2RA	1.00E-09	-0.7032	0.268	0.51	1.60E-05	MS.Trt_vs_MS.NoTrt_B
ANK3	1.00E-09	0.85485	0.926	0.82	1.60E-05	MS.Trt_vs_MS.NoTrt_B
ANXA5	1.03E-09	-0.764	0.192	0.42	1.65E-05	MS.Trt_vs_MS.NoTrt_B
ITGB1	1.10E-09	-0.408	0.523	0.76	1.76E-05	MS.Trt_vs_MS.NoTrt_B
TALDO1	1.10E-09	-0.7461	0.538	0.78	1.76E-05	MS.Trt_vs_MS.NoTrt_B
PRKCQ	1.12E-09	-0.3362	0.259	0.52	1.79E-05	MS.Trt_vs_MS.NoTrt_B
ATP5B	1.14E-09	-0.6441	0.251	0.5	1.82E-05	MS.Trt_vs_MS.NoTrt_B
MT-ND4	1.15E-09	0.75919	0.989	1	1.84E-05	MS.Trt_vs_MS.NoTrt_B
RBM4	1.23E-09	-0.2539	0.551	0.8	1.96E-05	MS.Trt_vs_MS.NoTrt_B
DEF6	1.30E-09	-0.368	0.331	0.6	2.07E-05	MS.Trt_vs_MS.NoTrt_B
ZNF362	1.38E-09	-1.6086	0.048	0.2	2.20E-05	MS.Trt_vs_MS.NoTrt_B
RPS6KA1	1.43E-09	-0.9985	0.122	0.32	2.28E-05	MS.Trt_vs_MS.NoTrt_B

ZAP70	1.50E-09	-0.5435	0.359	0.62	2.39E-05	MS.Trt_vs_MS.NoTrt_B
LDLRAD4	1.60E-09	-0.4628	0.218	0.45	2.55E-05	MS.Trt_vs_MS.NoTrt_B
FAM118A	1.72E-09	-1.2386	0.447	0.68	2.75E-05	MS.Trt_vs_MS.NoTrt_B
TMEM181	1.77E-09	-0.632	0.29	0.55	2.82E-05	MS.Trt_vs_MS.NoTrt_B
RARRES3	1.78E-09	-0.4642	0.214	0.46	2.85E-05	MS.Trt_vs_MS.NoTrt_B
LITAF	1.79E-09	-0.5347	0.41	0.65	2.87E-05	MS.Trt_vs_MS.NoTrt_B
CHCHD2	1.92E-09	-0.3186	0.292	0.55	3.06E-05	MS.Trt_vs_MS.NoTrt_B
HLA-DQB1	1.98E-09	-1.0829	0.394	0.65	3.17E-05	MS.Trt_vs_MS.NoTrt_B
NCOA4	2.06E-09	-0.8032	0.131	0.34	3.29E-05	MS.Trt_vs_MS.NoTrt_B
REEP5	2.25E-09	-0.2962	0.214	0.45	3.59E-05	MS.Trt_vs_MS.NoTrt_B
MBP	2.31E-09	-0.5014	0.275	0.51	3.70E-05	MS.Trt_vs_MS.NoTrt_B
TADA3	2.62E-09	-0.3589	0.442	0.71	4.18E-05	MS.Trt_vs_MS.NoTrt_B
SEPW1	3.22E-09	-0.2904	0.834	0.96	5.14E-05	MS.Trt_vs_MS.NoTrt_B
GLRX	3.25E-09	-0.5039	0.58	0.78	5.20E-05	MS.Trt_vs_MS.NoTrt_B
RALY	3.40E-09	-0.4434	0.259	0.51	5.42E-05	MS.Trt_vs_MS.NoTrt_B
LGALS3	3.68E-09	-0.6202	0.466	0.67	5.87E-05	MS.Trt_vs_MS.NoTrt_B
UFD1L	3.95E-09	-0.5585	0.66	0.83	6.31E-05	MS.Trt_vs_MS.NoTrt_B
ERCC1	4.10E-09	-0.3086	0.621	0.88	6.54E-05	MS.Trt_vs_MS.NoTrt_B
UBE2F	4.14E-09	-0.2854	0.492	0.76	6.61E-05	MS.Trt_vs_MS.NoTrt_B
ATP5F1	4.31E-09	-0.2533	0.359	0.59	6.89E-05	MS.Trt_vs_MS.NoTrt_B
TSC22D3	4.47E-09	-0.3978	0.475	0.75	7.14E-05	MS.Trt_vs_MS.NoTrt_B
DBI	5.01E-09	-0.6025	0.131	0.33	8.01E-05	MS.Trt_vs_MS.NoTrt_B
RPL4	5.14E-09	-0.3645	0.837	0.98	8.21E-05	MS.Trt_vs_MS.NoTrt_B
SRP14	5.32E-09	-0.2756	0.42	0.72	8.50E-05	MS.Trt_vs_MS.NoTrt_B
HLA-A	5.35E-09	-0.4314	0.747	0.94	8.55E-05	MS.Trt_vs_MS.NoTrt_B
TRPC3	5.72E-09	0.4049	0.42	0.18	9.13E-05	MS.Trt_vs_MS.NoTrt_B
IRF9	6.30E-09	-0.427	0.756	0.94	1.01E-04	MS.Trt_vs_MS.NoTrt_B
FLT3LG	7.07E-09	-0.3836	0.702	0.83	1.13E-04	MS.Trt_vs_MS.NoTrt_B
PEBP1	7.28E-09	-0.4295	0.279	0.52	1.16E-04	MS.Trt_vs_MS.NoTrt_B
MGAT1	7.30E-09	-0.5059	0.392	0.63	1.17E-04	MS.Trt_vs_MS.NoTrt_B
MRI1	7.33E-09	-0.4848	0.573	0.83	1.17E-04	MS.Trt_vs_MS.NoTrt_B
ACLY	7.72E-09	-0.7475	0.109	0.3	1.23E-04	MS.Trt_vs_MS.NoTrt_B
ATG7	8.16E-09	-0.6106	0.359	0.66	1.30E-04	MS.Trt_vs_MS.NoTrt_B
MYH9	8.18E-09	-0.2759	0.656	0.89	1.31E-04	MS.Trt_vs_MS.NoTrt_B
PCSK1N	8.20E-09	-0.4319	0.2	0.41	1.31E-04	MS.Trt_vs_MS.NoTrt_B
CEP63	8.29E-09	-0.2676	0.473	0.76	0.000132	MS.Trt_vs_MS.NoTrt_B
CKLF	8.48E-09	-0.3264	0.144	0.34	1.35E-04	MS.Trt_vs_MS.NoTrt_B
LCP1	8.69E-09	-0.2994	0.51	0.81	1.39E-04	MS.Trt_vs_MS.NoTrt_B
DIP2B	9.05E-09	-0.4311	0.305	0.54	1.45E-04	MS.Trt_vs_MS.NoTrt_B
SMIM10L1	9.11E-09	-1.2153	0.102	0.28	1.45E-04	MS.Trt_vs_MS.NoTrt_B

HNRNPA1	9.43E-09	-0.3017	0.671	0.93	1.51E-04	MS.Trt_vs_MS.NoTrt_B
LRRC75A	9.78E-09	-0.3235	0.394	0.68	1.56E-04	MS.Trt_vs_MS.NoTrt_B
ACTN4	9.84E-09	-0.6462	0.231	0.46	1.57E-04	MS.Trt_vs_MS.NoTrt_B
ARL17A	1.06E-08	-0.5043	0.503	0.75	1.69E-04	MS.Trt_vs_MS.NoTrt_B
VAMP5	1.13E-08	-0.3633	0.096	0.28	1.81E-04	MS.Trt_vs_MS.NoTrt_B
TMEM219	1.20E-08	-0.5019	0.146	0.36	1.91E-04	MS.Trt_vs_MS.NoTrt_B
NCKAP1L	1.21E-08	-0.5269	0.601	0.8	1.93E-04	MS.Trt_vs_MS.NoTrt_B
PPIA	1.33E-08	-0.2801	0.754	0.94	2.12E-04	MS.Trt_vs_MS.NoTrt_B
WDR1	1.46E-08	-0.4126	0.277	0.53	2.33E-04	MS.Trt_vs_MS.NoTrt_B
CSNK2A2	1.52E-08	-1.0503	0.159	0.35	2.43E-04	MS.Trt_vs_MS.NoTrt_B
CCM2	1.55E-08	-0.5249	0.562	0.74	2.48E-04	MS.Trt_vs_MS.NoTrt_B
BRK1	1.64E-08	-0.3863	0.168	0.39	2.62E-04	MS.Trt_vs_MS.NoTrt_B
CPQ	1.64E-08	-0.5681	0.24	0.47	2.63E-04	MS.Trt_vs_MS.NoTrt_B
LPP	1.67E-08	-0.4159	0.867	0.95	2.67E-04	MS.Trt_vs_MS.NoTrt_B
TNFRSF25	1.68E-08	-0.2967	0.545	0.76	2.68E-04	MS.Trt_vs_MS.NoTrt_B
TAP1	1.71E-08	-0.5056	0.514	0.74	2.73E-04	MS.Trt_vs_MS.NoTrt_B
GLIPR2	1.89E-08	-0.3636	0.174	0.38	3.02E-04	MS.Trt_vs_MS.NoTrt_B
RAD17	1.91E-08	-0.6572	0.357	0.59	3.06E-04	MS.Trt_vs_MS.NoTrt_B
IK	2.07E-08	-0.2682	0.68	0.87	3.31E-04	MS.Trt_vs_MS.NoTrt_B
TRAPPC3	2.08E-08	-0.5443	0.277	0.5	3.32E-04	MS.Trt_vs_MS.NoTrt_B
CD6	2.17E-08	-0.3246	0.514	0.77	3.46E-04	MS.Trt_vs_MS.NoTrt_B
STX8	2.19E-08	-0.31	0.712	0.91	3.50E-04	MS.Trt_vs_MS.NoTrt_B
EIF3K	2.31E-08	-0.2943	0.538	0.78	3.69E-04	MS.Trt_vs_MS.NoTrt_B
TBC1D5	2.32E-08	-0.5415	0.44	0.68	3.70E-04	MS.Trt_vs_MS.NoTrt_B
APRT	2.39E-08	-0.391	0.277	0.51	3.81E-04	MS.Trt_vs_MS.NoTrt_B
SERINC3	2.41E-08	-0.4184	0.536	0.74	3.85E-04	MS.Trt_vs_MS.NoTrt_B
SNRPN	2.42E-08	-0.2773	0.416	0.64	3.87E-04	MS.Trt_vs_MS.NoTrt_B
CFDP1	2.44E-08	-0.9415	0.516	0.71	3.90E-04	MS.Trt_vs_MS.NoTrt_B
HSPA8	2.65E-08	-0.2802	0.656	0.92	4.22E-04	MS.Trt_vs_MS.NoTrt_B
GPR141	2.78E-08	-0.2644	0.312	0.57	4.43E-04	MS.Trt_vs_MS.NoTrt_B
LIMK2	2.84E-08	-0.9598	0.111	0.29	4.54E-04	MS.Trt_vs_MS.NoTrt_B
CCR4	2.90E-08	-1.0251	0.786	0.91	4.63E-04	MS.Trt_vs_MS.NoTrt_B
CDC25B	2.91E-08	-0.2531	0.333	0.58	4.65E-04	MS.Trt_vs_MS.NoTrt_B
EIF1AY	2.93E-08	-1.2529	0.451	0.65	4.69E-04	MS.Trt_vs_MS.NoTrt_B
COQ10B	3.02E-08	0.2637	0.451	0.7	4.82E-04	MS.Trt_vs_MS.NoTrt_B
CAPZB	3.09E-08	-0.3725	0.458	0.7	4.94E-04	MS.Trt_vs_MS.NoTrt_B
EIF4A2	3.15E-08	-0.3607	0.401	0.64	5.04E-04	MS.Trt_vs_MS.NoTrt_B
DHFR2	3.31E-08	-1.1647	0.423	0.63	5.29E-04	MS.Trt_vs_MS.NoTrt_B
RABGAP1L	3.33E-08	-0.6569	0.78	0.91	5.33E-04	MS.Trt_vs_MS.NoTrt_B
DNMT3A	3.49E-08	0.31858	0.364	0.63	5.58E-04	MS.Trt_vs_MS.NoTrt_B

PXN	3.50E-08	-0.2858	0.283	0.51	5.59E-04	MS.Trt_vs_MS.NoTrt_B
SLFN5	3.69E-08	-0.2891	0.763	0.89	5.90E-04	MS.Trt_vs_MS.NoTrt_B
GBP3	3.74E-08	-1.2329	0.122	0.29	5.97E-04	MS.Trt_vs_MS.NoTrt_B
POLD4	3.88E-08	-0.2944	0.654	0.85	6.20E-04	MS.Trt_vs_MS.NoTrt_B
PSMA3	4.01E-08	-0.4109	0.595	0.82	6.40E-04	MS.Trt_vs_MS.NoTrt_B
NGLY1	4.09E-08	-0.4772	0.501	0.76	6.53E-04	MS.Trt_vs_MS.NoTrt_B
DSCR3	4.15E-08	-0.4739	0.503	0.71	6.63E-04	MS.Trt_vs_MS.NoTrt_B
TMEM14B	4.53E-08	-0.3458	0.725	0.9	7.23E-04	MS.Trt_vs_MS.NoTrt_B
TMEM179B	4.70E-08	-0.599	0.118	0.3	7.51E-04	MS.Trt_vs_MS.NoTrt_B
RPL17	4.90E-08	-0.2662	0.756	1	7.83E-04	MS.Trt_vs_MS.NoTrt_B
VTI1B	4.98E-08	-0.5808	0.142	0.32	7.96E-04	MS.Trt_vs_MS.NoTrt_B
SQSTM1	5.58E-08	-0.4779	0.736	0.84	8.91E-04	MS.Trt_vs_MS.NoTrt_B
ARPC1B	5.70E-08	-0.2734	0.841	0.98	9.10E-04	MS.Trt_vs_MS.NoTrt_B
PGK1	5.82E-08	-0.3515	0.431	0.66	9.29E-04	MS.Trt_vs_MS.NoTrt_B
FUBP1	6.00E-08	-0.4386	0.27	0.49	9.58E-04	MS.Trt_vs_MS.NoTrt_B
C11orf31	6.06E-08	-0.4224	0.397	0.6	9.68E-04	MS.Trt_vs_MS.NoTrt_B
ATP2C1	6.30E-08	-0.3941	0.085	0.24	0.001006	MS.Trt_vs_MS.NoTrt_B
SMIM5	6.34E-08	-0.3937	0.185	0.39	0.001013	MS.Trt_vs_MS.NoTrt_B
ADI1	6.37E-08	0.28825	0.651	0.87	0.001017	MS.Trt_vs_MS.NoTrt_B
HLA-F	6.68E-08	-0.2631	0.451	0.65	0.001067	MS.Trt_vs_MS.NoTrt_B
NDUFS1	7.04E-08	-0.4632	0.832	0.98	0.001124	MS.Trt_vs_MS.NoTrt_B
DDX58	7.24E-08	-0.3197	0.203	0.4	0.001157	MS.Trt_vs_MS.NoTrt_B
SCAP	7.30E-08	-0.3496	0.427	0.68	0.001166	MS.Trt_vs_MS.NoTrt_B
PYM1	7.33E-08	-0.4458	0.203	0.41	0.00117	MS.Trt_vs_MS.NoTrt_B
EIF3G	7.65E-08	-0.3932	0.743	0.89	0.001222	MS.Trt_vs_MS.NoTrt_B
TLK1	7.83E-08	0.32078	0.632	0.85	0.00125	MS.Trt_vs_MS.NoTrt_B
CYTH2	7.93E-08	-0.2853	0.475	0.75	0.001267	MS.Trt_vs_MS.NoTrt_B
MAPK6	8.42E-08	-0.2591	0.305	0.54	0.001345	MS.Trt_vs_MS.NoTrt_B
DDB2	8.61E-08	-0.3844	0.771	0.9	0.001375	MS.Trt_vs_MS.NoTrt_B
C12orf75	8.86E-08	-0.6042	0.092	0.25	0.001415	MS.Trt_vs_MS.NoTrt_B
SPOCK2	9.11E-08	-0.446	0.514	0.71	0.001456	MS.Trt_vs_MS.NoTrt_B
EIF3C	9.16E-08	-0.2645	0.641	0.85	0.001464	MS.Trt_vs_MS.NoTrt_B
RPL12	9.25E-08	-0.2625	0.715	0.95	0.001478	MS.Trt_vs_MS.NoTrt_B
ATP5O	9.53E-08	-0.362	0.283	0.52	0.001522	MS.Trt_vs_MS.NoTrt_B
DDX24	9.61E-08	-0.2839	0.405	0.64	0.001534	MS.Trt_vs_MS.NoTrt_B
ATP5A1	9.73E-08	-0.3241	0.976	1	0.001553	MS.Trt_vs_MS.NoTrt_B
SHMT2	9.74E-08	-0.557	0.198	0.41	0.001556	MS.Trt_vs_MS.NoTrt_B
CIRBP	1.08E-07	-0.257	0.477	0.78	0.001724	MS.Trt_vs_MS.NoTrt_B
ZC3HC1	1.13E-07	-0.2638	0.272	0.5	0.001807	MS.Trt_vs_MS.NoTrt_B
PPM1M	1.13E-07	-0.5409	0.094	0.25	0.001811	MS.Trt_vs_MS.NoTrt_B

ARFGAP3	1.17E-07	-0.5099	0.211	0.42	0.001876	MS.Trt_vs_MS.NoTrt_B
RNF114	1.22E-07	-0.4535	0.593	0.83	0.001954	MS.Trt_vs_MS.NoTrt_B
CBWD2	1.23E-07	-0.6947	0.331	0.54	0.001971	MS.Trt_vs_MS.NoTrt_B
NDEL1	1.26E-07	-0.3324	0.444	0.66	0.002012	MS.Trt_vs_MS.NoTrt_B
FDFT1	1.29E-07	-0.5096	0.224	0.42	0.002053	MS.Trt_vs_MS.NoTrt_B
UXS1	1.29E-07	-0.3296	0.172	0.37	0.002056	MS.Trt_vs_MS.NoTrt_B
GLB1	1.31E-07	-0.619	0.153	0.34	0.002098	MS.Trt_vs_MS.NoTrt_B
PIM2	1.32E-07	-0.4401	0.728	0.85	0.002106	MS.Trt_vs_MS.NoTrt_B
FBXO7	1.41E-07	-0.3169	0.233	0.44	0.00225	MS.Trt_vs_MS.NoTrt_B
HINT2	1.51E-07	-0.8318	0.041	0.16	0.002404	MS.Trt_vs_MS.NoTrt_B
XPR1	1.53E-07	-0.6756	0.211	0.41	0.002441	MS.Trt_vs_MS.NoTrt_B
RPL29	1.63E-07	-0.2645	0.695	0.98	0.002597	MS.Trt_vs_MS.NoTrt_B
WWC3	1.64E-07	1.16987	0.227	0.44	0.002618	MS.Trt_vs_MS.NoTrt_B
PAX6	1.68E-07	-0.5336	0.24	0.44	0.002679	MS.Trt_vs_MS.NoTrt_B
UCP2	1.68E-07	-0.4005	0.669	0.86	0.002681	MS.Trt_vs_MS.NoTrt_B
FAM161A	1.73E-07	-0.9156	0.508	0.76	0.002761	MS.Trt_vs_MS.NoTrt_B
ADGRE5	1.77E-07	-0.3156	0.458	0.69	0.002824	MS.Trt_vs_MS.NoTrt_B
FKBP8	1.77E-07	-0.5798	0.129	0.31	0.002825	MS.Trt_vs_MS.NoTrt_B
KARS	1.77E-07	-0.4313	0.196	0.39	0.002829	MS.Trt_vs_MS.NoTrt_B
PLA2G7	1.80E-07	-0.439	0.414	0.62	0.002868	MS.Trt_vs_MS.NoTrt_B
ANAPC5	1.82E-07	-0.3551	0.885	0.98	0.00291	MS.Trt_vs_MS.NoTrt_B
CHMP7	1.91E-07	-0.4117	0.449	0.67	0.003058	MS.Trt_vs_MS.NoTrt_B
CSNK2B	1.92E-07	-0.5475	0.545	0.74	0.003073	MS.Trt_vs_MS.NoTrt_B
SCRN3	1.93E-07	-0.7521	0.294	0.51	0.003076	MS.Trt_vs_MS.NoTrt_B
ADAT1	1.96E-07	-1.0545	0.525	0.74	0.003131	MS.Trt_vs_MS.NoTrt_B
SDHA	1.98E-07	-0.472	0.501	0.7	0.00316	MS.Trt_vs_MS.NoTrt_B
PERP	1.98E-07	-2.183	0.022	0.12	0.003164	MS.Trt_vs_MS.NoTrt_B
ZC3H7A	1.99E-07	-0.43	0.259	0.47	0.003172	MS.Trt_vs_MS.NoTrt_B
URM1	2.06E-07	-1.0405	0.081	0.23	0.00329	MS.Trt_vs_MS.NoTrt_B
ARHGAP4	2.12E-07	-0.302	0.37	0.58	0.003393	MS.Trt_vs_MS.NoTrt_B
HBP1	2.29E-07	-0.3422	0.669	0.86	0.003658	MS.Trt_vs_MS.NoTrt_B
LSM7	2.31E-07	0.67578	0.486	0.74	0.003693	MS.Trt_vs_MS.NoTrt_B
APOL6	2.37E-07	-0.6695	0.725	0.88	0.003787	MS.Trt_vs_MS.NoTrt_B
ALDH8A1	2.38E-07	-0.3553	0.401	0.67	0.003806	MS.Trt_vs_MS.NoTrt_B
PSMA6	2.41E-07	-0.3523	0.782	0.92	0.00385	MS.Trt_vs_MS.NoTrt_B
TMEM199	2.48E-07	-1.2226	0.444	0.67	0.003969	MS.Trt_vs_MS.NoTrt_B
MYO1G	2.55E-07	-0.4159	0.455	0.68	0.004073	MS.Trt_vs_MS.NoTrt_B
EZR	2.62E-07	-0.3977	0.562	0.74	0.004179	MS.Trt_vs_MS.NoTrt_B
UHRF1BP1	2.66E-07	-1.4044	0.425	0.65	0.004247	MS.Trt_vs_MS.NoTrt_B
LDHA	2.67E-07	-0.5396	0.582	0.76	0.004273	MS.Trt_vs_MS.NoTrt_B

FAS	2.72E-07	-0.477	0.244	0.44	0.004344	MS.Trt_vs_MS.NoTrt_B
MAP3K1	2.72E-07	0.28228	0.386	0.64	0.004351	MS.Trt_vs_MS.NoTrt_B
RP11-529K1	2.74E-07	-0.4362	0.039	0.16	0.004373	MS.Trt_vs_MS.NoTrt_B
IL2RB	2.91E-07	-0.3107	0.364	0.6	0.004643	MS.Trt_vs_MS.NoTrt_B
TMBIM1	2.96E-07	-0.8063	0.44	0.64	0.004729	MS.Trt_vs_MS.NoTrt_B
C14orf159	2.98E-07	-0.815	0.525	0.73	0.004768	MS.Trt_vs_MS.NoTrt_B
SS18	2.99E-07	-0.4234	0.429	0.65	0.004771	MS.Trt_vs_MS.NoTrt_B
ARHGAP25	2.99E-07	-0.4901	0.383	0.59	0.004779	MS.Trt_vs_MS.NoTrt_B
SHMT1	3.05E-07	-0.5326	0.272	0.48	0.004867	MS.Trt_vs_MS.NoTrt_B
GSDMD	3.09E-07	-0.6436	0.621	0.82	0.004937	MS.Trt_vs_MS.NoTrt_B
GRB2	3.10E-07	-0.4769	0.534	0.74	0.004957	MS.Trt_vs_MS.NoTrt_B
TXLNA	3.12E-07	-0.3337	0.2	0.4	0.004985	MS.Trt_vs_MS.NoTrt_B
COX7A2	3.17E-07	0.28062	0.627	0.82	0.005065	MS.Trt_vs_MS.NoTrt_B
TMEM173	3.22E-07	-0.4824	0.192	0.38	0.00514	MS.Trt_vs_MS.NoTrt_B
TSTA3	3.22E-07	-0.4098	0.096	0.25	0.005146	MS.Trt_vs_MS.NoTrt_B
SRBD1	3.29E-07	0.26105	0.218	0.42	0.005259	MS.Trt_vs_MS.NoTrt_B
MICU2	3.31E-07	-0.9419	0.34	0.54	0.005281	MS.Trt_vs_MS.NoTrt_B
CEP95	3.45E-07	0.33391	0.292	0.52	0.005519	MS.Trt_vs_MS.NoTrt_B
TNFRSF1B	3.48E-07	-0.3042	0.603	0.76	0.005553	MS.Trt_vs_MS.NoTrt_B
EIF4H	3.56E-07	-0.334	0.322	0.55	0.005689	MS.Trt_vs_MS.NoTrt_B
DYNLL1	3.61E-07	-0.3952	0.216	0.41	0.005762	MS.Trt_vs_MS.NoTrt_B
NRF1	3.79E-07	-0.9001	0.203	0.38	0.006055	MS.Trt_vs_MS.NoTrt_B
C10orf54	3.84E-07	-0.5159	0.281	0.49	0.006128	MS.Trt_vs_MS.NoTrt_B
SEC11A	3.91E-07	-0.4019	0.641	0.82	0.006253	MS.Trt_vs_MS.NoTrt_B
GPR63	3.93E-07	-0.2573	0.229	0.43	0.006283	MS.Trt_vs_MS.NoTrt_B
B3GALNT1	4.03E-07	-0.2793	0.15	0.32	0.00644	MS.Trt_vs_MS.NoTrt_B
TAZ	4.22E-07	-0.4339	0.379	0.62	0.006738	MS.Trt_vs_MS.NoTrt_B
DYNLRB1	4.29E-07	-0.5329	0.122	0.29	0.006854	MS.Trt_vs_MS.NoTrt_B
RHOG	4.43E-07	-0.2889	0.24	0.46	0.007078	MS.Trt_vs_MS.NoTrt_B
SLA2	4.46E-07	-1.3419	0.377	0.58	0.007119	MS.Trt_vs_MS.NoTrt_B
CCZ1B	4.49E-07	-0.4984	0.527	0.75	0.007168	MS.Trt_vs_MS.NoTrt_B
C1orf56	4.49E-07	1.02698	0.911	0.89	0.007172	MS.Trt_vs_MS.NoTrt_B
EIF3I	4.51E-07	-0.8236	0.373	0.56	0.007205	MS.Trt_vs_MS.NoTrt_B
ADK	4.53E-07	-0.2651	0.17	0.35	0.007231	MS.Trt_vs_MS.NoTrt_B
TNFRSF14	4.54E-07	-0.3564	0.222	0.43	0.007253	MS.Trt_vs_MS.NoTrt_B
DDX46	4.57E-07	-0.9125	0.386	0.55	0.007295	MS.Trt_vs_MS.NoTrt_B
FECH	4.57E-07	-0.7715	0.508	0.74	0.007298	MS.Trt_vs_MS.NoTrt_B
NDUFB4	4.59E-07	-0.2863	0.179	0.36	0.007333	MS.Trt_vs_MS.NoTrt_B
HAPLN3	4.59E-07	-0.3336	0.111	0.27	0.007339	MS.Trt_vs_MS.NoTrt_B
ZNF200	4.62E-07	-0.4608	0.63	0.83	0.007376	MS.Trt_vs_MS.NoTrt_B

RPS20	4.92E-07	-0.2622	0.756	0.92	0.007863	MS.Trt_vs_MS.NoTrt_B
XAB2	4.98E-07	-0.2798	0.144	0.32	0.007956	MS.Trt_vs_MS.NoTrt_B
EXOC4	5.04E-07	-0.4427	0.464	0.67	0.00805	MS.Trt_vs_MS.NoTrt_B
RNF214	5.09E-07	-0.337	0.146	0.32	0.008123	MS.Trt_vs_MS.NoTrt_B
CLCN7	5.42E-07	0.28001	0.183	0.4	0.008654	MS.Trt_vs_MS.NoTrt_B
TTC7A	5.45E-07	-0.7305	0.133	0.3	0.008706	MS.Trt_vs_MS.NoTrt_B
ACBD6	5.46E-07	-0.2999	0.336	0.55	0.00872	MS.Trt_vs_MS.NoTrt_B
CLINT1	5.48E-07	0.37758	0.532	0.78	0.008752	MS.Trt_vs_MS.NoTrt_B
UBA1	5.52E-07	-0.4079	0.612	0.8	0.008824	MS.Trt_vs_MS.NoTrt_B
TRMT44	5.78E-07	-0.6016	0.12	0.28	0.009226	MS.Trt_vs_MS.NoTrt_B
RPL3	5.87E-07	0.45073	1	1	0.00937	MS.Trt_vs_MS.NoTrt_B
APBA3	6.07E-07	-0.3635	0.562	0.75	0.009699	MS.Trt_vs_MS.NoTrt_B
CD58	6.11E-07	-0.2885	0.109	0.27	0.009758	MS.Trt_vs_MS.NoTrt_B
ERGIC2	6.26E-07	0.77001	0.349	0.58	0.010002	MS.Trt_vs_MS.NoTrt_B
DGCR2	6.37E-07	-0.3781	0.157	0.34	0.010177	MS.Trt_vs_MS.NoTrt_B
CCDC167	6.38E-07	-0.7114	0.1	0.25	0.010183	MS.Trt_vs_MS.NoTrt_B
EIF3CL	6.38E-07	-0.5077	0.142	0.31	0.010187	MS.Trt_vs_MS.NoTrt_B
TNIK	6.46E-07	-0.9054	0.257	0.46	0.010322	MS.Trt_vs_MS.NoTrt_B
AP000304.1	6.48E-07	-0.6035	0.144	0.31	0.010353	MS.Trt_vs_MS.NoTrt_B
BEX3	6.53E-07	-0.4052	0.074	0.21	0.010431	MS.Trt_vs_MS.NoTrt_B
ERAP2	6.53E-07	-0.6629	0.595	0.72	0.010434	MS.Trt_vs_MS.NoTrt_B
APH1A	6.84E-07	-0.8078	0.122	0.28	0.010928	MS.Trt_vs_MS.NoTrt_B
FAM134B	7.09E-07	-0.6746	0.035	0.14	0.011329	MS.Trt_vs_MS.NoTrt_B
CTSB	7.27E-07	-0.4583	0.858	0.97	0.011608	MS.Trt_vs_MS.NoTrt_B
PRELID3B	7.35E-07	0.36303	0.166	0.35	0.011738	MS.Trt_vs_MS.NoTrt_B
LETMD1	7.42E-07	-0.4999	0.669	0.89	0.011847	MS.Trt_vs_MS.NoTrt_B
ABHD15	7.59E-07	-0.7987	0.179	0.37	0.012121	MS.Trt_vs_MS.NoTrt_B
R3HDM4	7.71E-07	-0.4833	0.364	0.58	0.012323	MS.Trt_vs_MS.NoTrt_B
HIF1AN	8.12E-07	-0.3932	0.66	0.88	0.012966	MS.Trt_vs_MS.NoTrt_B
UQCRB	8.24E-07	0.57885	0.58	0.8	0.013165	MS.Trt_vs_MS.NoTrt_B
LRRC37A3	8.24E-07	-0.4974	0.359	0.56	0.013168	MS.Trt_vs_MS.NoTrt_B
IRF2	8.28E-07	-0.359	0.24	0.43	0.013223	MS.Trt_vs_MS.NoTrt_B
HNRNPF	8.57E-07	-0.3449	0.309	0.52	0.013688	MS.Trt_vs_MS.NoTrt_B
CRLF3	8.62E-07	-0.4826	0.78	0.93	0.013776	MS.Trt_vs_MS.NoTrt_B
EFTUD2	8.64E-07	-0.6877	0.702	0.86	0.013795	MS.Trt_vs_MS.NoTrt_B
ZFP36	8.76E-07	-0.3573	0.237	0.45	0.014	MS.Trt_vs_MS.NoTrt_B
NDUFS2	8.97E-07	-0.4739	0.312	0.5	0.014332	MS.Trt_vs_MS.NoTrt_B
RALGDS	9.26E-07	-0.3108	0.255	0.47	0.014793	MS.Trt_vs_MS.NoTrt_B
PARP4	9.26E-07	-0.4465	0.19	0.37	0.014795	MS.Trt_vs_MS.NoTrt_B
BUB3	9.43E-07	0.29222	0.495	0.76	0.015067	MS.Trt_vs_MS.NoTrt_B



NR2C1	9.51E-07	-0.4529	0.475	0.74	0.015191	MS.Trt_vs_MS.NoTrt_B
TRABD	9.60E-07	-0.5019	0.266	0.46	0.015328	MS.Trt_vs_MS.NoTrt_B
SYT5	9.81E-07	-0.4798	0.542	0.7	0.015665	MS.Trt_vs_MS.NoTrt_B
COG5	9.83E-07	0.61248	0.137	0.3	0.015709	MS.Trt_vs_MS.NoTrt_B
MAP4	9.84E-07	-0.6137	0.66	0.81	0.015712	MS.Trt_vs_MS.NoTrt_B
SLC3A2	9.97E-07	-0.3968	0.375	0.56	0.015926	MS.Trt_vs_MS.NoTrt_B
PSMG3	1.01E-06	0.32665	0.447	0.69	0.016196	MS.Trt_vs_MS.NoTrt_B
SEC61G	1.02E-06	-0.3416	0.198	0.37	0.016279	MS.Trt_vs_MS.NoTrt_B
DPEP2	1.02E-06	-0.3945	0.157	0.32	0.016364	MS.Trt_vs_MS.NoTrt_B
MCM9	1.04E-06	0.42336	0.227	0.43	0.016671	MS.Trt_vs_MS.NoTrt_B
KIAA0319L	1.05E-06	-0.6635	0.534	0.71	0.016736	MS.Trt_vs_MS.NoTrt_B
RAP1GAP2	1.09E-06	-0.7205	0.137	0.3	0.017388	MS.Trt_vs_MS.NoTrt_B
RASA3	1.11E-06	-0.3655	0.37	0.6	0.017666	MS.Trt_vs_MS.NoTrt_B
LMF2	1.11E-06	-0.3684	0.133	0.29	0.017747	MS.Trt_vs_MS.NoTrt_B
SH2B1	1.12E-06	-0.2855	0.458	0.68	0.017823	MS.Trt_vs_MS.NoTrt_B
PMF1	1.12E-06	-0.5204	0.325	0.51	0.017872	MS.Trt_vs_MS.NoTrt_B
SUPV3L1	1.13E-06	-0.3569	0.488	0.72	0.018123	MS.Trt_vs_MS.NoTrt_B
SP140	1.14E-06	-0.5603	0.133	0.3	0.018248	MS.Trt_vs_MS.NoTrt_B
IL17RA	1.17E-06	-0.5117	0.503	0.7	0.018707	MS.Trt_vs_MS.NoTrt_B
EPB41	1.19E-06	0.47819	0.325	0.59	0.019009	MS.Trt_vs_MS.NoTrt_B
PAN3	1.19E-06	0.91011	0.767	0.94	0.019042	MS.Trt_vs_MS.NoTrt_B
NCAPH2	1.19E-06	-0.6986	0.606	0.77	0.019051	MS.Trt_vs_MS.NoTrt_B
MTMR9	1.20E-06	-0.585	0.205	0.38	0.019223	MS.Trt_vs_MS.NoTrt_B
C19orf60	1.22E-06	-0.4414	0.767	0.91	0.019461	MS.Trt_vs_MS.NoTrt_B
DDX10	1.22E-06	-1.0693	0.479	0.71	0.019552	MS.Trt_vs_MS.NoTrt_B
NCK1	1.25E-06	0.27268	0.251	0.48	0.019903	MS.Trt_vs_MS.NoTrt_B
EBP	1.25E-06	-0.489	0.129	0.28	0.020014	MS.Trt_vs_MS.NoTrt_B
CCR8	1.29E-06	-0.9569	0.063	0.19	0.020624	MS.Trt_vs_MS.NoTrt_B
STRADA	1.30E-06	-0.3179	0.405	0.63	0.020733	MS.Trt_vs_MS.NoTrt_B
STXBP2	1.34E-06	-0.6306	0.205	0.38	0.021418	MS.Trt_vs_MS.NoTrt_B
USP20	1.34E-06	-0.2622	0.168	0.35	0.021477	MS.Trt_vs_MS.NoTrt_B
ACP5	1.35E-06	-1.0013	0.063	0.19	0.021486	MS.Trt_vs_MS.NoTrt_B
ITGB1BP1	1.37E-06	-0.8277	0.107	0.25	0.021815	MS.Trt_vs_MS.NoTrt_B
DRAP1	1.37E-06	-0.4088	0.131	0.3	0.021903	MS.Trt_vs_MS.NoTrt_B
ATP6V0E2	1.38E-06	-0.4502	0.161	0.34	0.022015	MS.Trt_vs_MS.NoTrt_B
TPCN1	1.39E-06	0.431	0.294	0.5	0.022132	MS.Trt_vs_MS.NoTrt_B
UBE4B	1.40E-06	-0.3238	0.475	0.7	0.02231	MS.Trt_vs_MS.NoTrt_B
COL8A1	1.44E-06	0.50076	0.876	0.74	0.023014	MS.Trt_vs_MS.NoTrt_B
C12orf4	1.44E-06	0.36501	0.453	0.72	0.023075	MS.Trt_vs_MS.NoTrt_B
DNAJC9	1.51E-06	-0.6343	0.094	0.24	0.024046	MS.Trt_vs_MS.NoTrt_B

MARS	1.53E-06	-0.4651	0.292	0.49	0.024377	MS.Trt_vs_MS.NoTrt_B
MT2A	1.54E-06	-0.3618	0.122	0.28	0.024533	MS.Trt_vs_MS.NoTrt_B
TUBE1	1.55E-06	0.2956	0.281	0.48	0.024733	MS.Trt_vs_MS.NoTrt_B
C14orf166	1.55E-06	-0.2712	0.473	0.64	0.024828	MS.Trt_vs_MS.NoTrt_B
UQCRH	1.56E-06	-0.321	0.427	0.62	0.024878	MS.Trt_vs_MS.NoTrt_B
TSC1	1.56E-06	-0.6548	0.333	0.55	0.024975	MS.Trt_vs_MS.NoTrt_B
SLC33A1	1.57E-06	-0.4761	0.795	0.89	0.025096	MS.Trt_vs_MS.NoTrt_B
ZNF770	1.60E-06	-0.7822	0.174	0.34	0.025543	MS.Trt_vs_MS.NoTrt_B
CBX7	1.63E-06	-0.4211	0.275	0.47	0.026	MS.Trt_vs_MS.NoTrt_B
C9orf78	1.65E-06	-0.3286	0.885	0.97	0.026366	MS.Trt_vs_MS.NoTrt_B
COPZ1	1.66E-06	-0.472	0.142	0.31	0.026556	MS.Trt_vs_MS.NoTrt_B
ARSA	1.68E-06	-0.4019	0.569	0.73	0.026803	MS.Trt_vs_MS.NoTrt_B
ATP6V0C	1.68E-06	-0.329	0.157	0.34	0.026848	MS.Trt_vs_MS.NoTrt_B
MRPL28	1.77E-06	-0.8148	0.074	0.21	0.028213	MS.Trt_vs_MS.NoTrt_B
PRMT2	1.77E-06	-0.3718	0.285	0.47	0.028262	MS.Trt_vs_MS.NoTrt_B
FKBP1A	1.77E-06	-0.254	0.242	0.44	0.028316	MS.Trt_vs_MS.NoTrt_B
CDK5RAP3	1.79E-06	-0.2648	0.464	0.69	0.028614	MS.Trt_vs_MS.NoTrt_B
FLII	1.81E-06	-0.3981	0.157	0.33	0.028973	MS.Trt_vs_MS.NoTrt_B
FO538757.1	1.89E-06	-0.6867	0.12	0.28	0.030145	MS.Trt_vs_MS.NoTrt_B
NIP7	1.91E-06	-0.4894	0.447	0.66	0.030531	MS.Trt_vs_MS.NoTrt_B
CANX	1.97E-06	0.42038	0.575	0.81	0.031406	MS.Trt_vs_MS.NoTrt_B
ABT1	2.00E-06	-0.4057	0.12	0.28	0.032003	MS.Trt_vs_MS.NoTrt_B
HNRNPU	2.04E-06	0.49253	0.338	0.56	0.032515	MS.Trt_vs_MS.NoTrt_B
BTF3L4	2.04E-06	-0.4758	0.336	0.51	0.03261	MS.Trt_vs_MS.NoTrt_B
ZNF655	2.05E-06	-0.2971	0.475	0.68	0.032739	MS.Trt_vs_MS.NoTrt_B
ASB18	2.06E-06	-0.3371	0.375	0.57	0.032967	MS.Trt_vs_MS.NoTrt_B
COMMD10	2.11E-06	0.49585	0.216	0.41	0.033632	MS.Trt_vs_MS.NoTrt_B
SAR1A	2.11E-06	-0.2574	0.542	0.69	0.033666	MS.Trt_vs_MS.NoTrt_B
SIGIRR	2.12E-06	-0.4153	0.253	0.44	0.033788	MS.Trt_vs_MS.NoTrt_B
PTK2B	2.12E-06	-0.3174	0.294	0.49	0.033895	MS.Trt_vs_MS.NoTrt_B
PAXIP1	2.15E-06	0.29015	0.309	0.5	0.034291	MS.Trt_vs_MS.NoTrt_B
TNR	2.16E-06	-0.288	0.185	0.36	0.034563	MS.Trt_vs_MS.NoTrt_B
HLA-DPB1	2.18E-06	-0.6643	0.368	0.53	0.034815	MS.Trt_vs_MS.NoTrt_B
ABI2	2.23E-06	-0.5702	0.688	0.84	0.03569	MS.Trt_vs_MS.NoTrt_B
NRBP1	2.29E-06	-0.6903	0.425	0.63	0.036623	MS.Trt_vs_MS.NoTrt_B
HSP90AA1	2.32E-06	-0.2949	0.505	0.68	0.037086	MS.Trt_vs_MS.NoTrt_B
ARL6IP1	2.32E-06	-0.2983	0.333	0.51	0.037135	MS.Trt_vs_MS.NoTrt_B
STAG1	2.38E-06	0.33289	0.157	0.33	0.038051	MS.Trt_vs_MS.NoTrt_B
SPICE1	2.40E-06	-0.3829	0.168	0.35	0.038308	MS.Trt_vs_MS.NoTrt_B
UBE2B	2.46E-06	0.37649	0.549	0.76	0.039357	MS.Trt_vs_MS.NoTrt_B

CD164	2.48E-06	0.31583	0.486	0.69	0.039619	MS.Trt_vs_MS.NoTrt_B
CSK	2.52E-06	-0.3139	0.216	0.41	0.040232	MS.Trt_vs_MS.NoTrt_B
NF2	2.55E-06	-0.2612	0.645	0.81	0.040675	MS.Trt_vs_MS.NoTrt_B
HDLBP	2.56E-06	-0.4681	0.294	0.48	0.040955	MS.Trt_vs_MS.NoTrt_B
RNASEK	2.61E-06	-0.494	0.667	0.73	0.041705	MS.Trt_vs_MS.NoTrt_B
CPSF7	2.63E-06	-0.3347	0.146	0.31	0.04193	MS.Trt_vs_MS.NoTrt_B
HADHA	2.63E-06	-0.3458	0.436	0.63	0.041973	MS.Trt_vs_MS.NoTrt_B
JMJD7-PLA2	2.70E-06	0.58065	0.246	0.43	0.043086	MS.Trt_vs_MS.NoTrt_B
PRDM2	2.73E-06	-0.3777	0.292	0.48	0.043618	MS.Trt_vs_MS.NoTrt_B
TARBP1	3.00E-06	0.27986	0.268	0.46	0.047886	MS.Trt_vs_MS.NoTrt_B
SCN1A	3.01E-06	-0.2671	0.255	0.47	0.04806	MS.Trt_vs_MS.NoTrt_B
SNX20	3.07E-06	-0.5472	0.32	0.5	0.048997	MS.Trt_vs_MS.NoTrt_B
METTL23	3.07E-06	-0.2598	0.124	0.28	0.049089	MS.Trt_vs_MS.NoTrt_B
VDAC1	3.10E-06	-0.4238	0.608	0.84	0.049549	MS.Trt_vs_MS.NoTrt_B
C7orf73	3.12E-06	-0.4271	0.477	0.67	0.049768	MS.Trt_vs_MS.NoTrt_B
SPAG7	3.15E-06	-0.3726	0.695	0.88	0.050342	MS.Trt_vs_MS.NoTrt_B
PSMD12	3.17E-06	0.37471	0.606	0.79	0.050565	MS.Trt_vs_MS.NoTrt_B
RAB13	3.19E-06	-0.3228	0.403	0.6	0.051015	MS.Trt_vs_MS.NoTrt_B
CCDC107	3.25E-06	-0.6069	0.107	0.25	0.051984	MS.Trt_vs_MS.NoTrt_B
NDE1	3.31E-06	-0.4703	0.525	0.76	0.052938	MS.Trt_vs_MS.NoTrt_B
RNF10	3.32E-06	-0.4114	0.697	0.82	0.053027	MS.Trt_vs_MS.NoTrt_B
GTPBP10	3.33E-06	0.34506	0.649	0.87	0.053113	MS.Trt_vs_MS.NoTrt_B
ERVW-1	3.33E-06	-0.4137	0.251	0.44	0.05324	MS.Trt_vs_MS.NoTrt_B
SRP9	3.36E-06	0.31495	0.342	0.56	0.053617	MS.Trt_vs_MS.NoTrt_B
GLYR1	3.45E-06	-0.54	0.244	0.43	0.055175	MS.Trt_vs_MS.NoTrt_B
ATP5I	3.49E-06	0.62065	0.196	0.39	0.055753	MS.Trt_vs_MS.NoTrt_B
ENTPD1	3.50E-06	-0.5169	0.863	0.97	0.055917	MS.Trt_vs_MS.NoTrt_B
ZNF589	3.63E-06	-0.8221	0.327	0.52	0.057936	MS.Trt_vs_MS.NoTrt_B
RAB11FIP4	3.69E-06	-0.4233	0.538	0.75	0.058876	MS.Trt_vs_MS.NoTrt_B
NLRC3	3.71E-06	-0.2581	0.664	0.77	0.059293	MS.Trt_vs_MS.NoTrt_B
PIAS1	3.82E-06	-0.4131	0.283	0.45	0.061064	MS.Trt_vs_MS.NoTrt_B
COX5A	3.88E-06	-0.5238	0.163	0.33	0.061951	MS.Trt_vs_MS.NoTrt_B
CD48	3.90E-06	-0.2895	0.203	0.38	0.062335	MS.Trt_vs_MS.NoTrt_B
CYCS	3.99E-06	-0.3219	0.619	0.79	0.063783	MS.Trt_vs_MS.NoTrt_B
FLAD1	4.01E-06	-0.6041	0.46	0.65	0.064099	MS.Trt_vs_MS.NoTrt_B
BLZF1	4.18E-06	-0.9105	0.307	0.5	0.066761	MS.Trt_vs_MS.NoTrt_B
CAPN1	4.26E-06	-0.6137	0.399	0.59	0.06804	MS.Trt_vs_MS.NoTrt_B
RPAIN	4.35E-06	-0.2995	0.852	0.97	0.069468	MS.Trt_vs_MS.NoTrt_B
CCNYL1	4.43E-06	-0.6726	0.272	0.48	0.070738	MS.Trt_vs_MS.NoTrt_B
TBRG1	4.47E-06	0.29251	0.479	0.68	0.071338	MS.Trt_vs_MS.NoTrt_B

GPR180	4.48E-06	-1.3555	0.026	0.11	0.071488	MS.Trt_vs_MS.NoTrt_B
NIF3L1	4.48E-06	-0.8421	0.046	0.15	0.071637	MS.Trt_vs_MS.NoTrt_B
ARMC8	4.52E-06	-0.2526	0.397	0.6	0.072166	MS.Trt_vs_MS.NoTrt_B
PSTPIP2	4.58E-06	-0.4224	0.24	0.44	0.073184	MS.Trt_vs_MS.NoTrt_B
SERPINB6	4.65E-06	0.36055	0.37	0.58	0.074336	MS.Trt_vs_MS.NoTrt_B
ALDH1L2	4.68E-06	-0.4611	0.161	0.31	0.074754	MS.Trt_vs_MS.NoTrt_B
STAG3	4.72E-06	-0.9255	0.102	0.24	0.075448	MS.Trt_vs_MS.NoTrt_B
NDUFAB1	4.77E-06	-0.4802	0.124	0.27	0.076255	MS.Trt_vs_MS.NoTrt_B
POLDIP3	4.85E-06	-0.7297	0.072	0.2	0.077411	MS.Trt_vs_MS.NoTrt_B
FBXL5	4.87E-06	-0.3123	0.205	0.38	0.07775	MS.Trt_vs_MS.NoTrt_B
TMEM175	4.95E-06	-0.4532	0.22	0.4	0.079	MS.Trt_vs_MS.NoTrt_B
PDCD5	5.01E-06	-0.4851	0.137	0.29	0.080005	MS.Trt_vs_MS.NoTrt_B
HDAC2	5.03E-06	0.25554	0.56	0.78	0.080355	MS.Trt_vs_MS.NoTrt_B
DDX19B	5.07E-06	-0.3594	0.307	0.48	0.080908	MS.Trt_vs_MS.NoTrt_B
SKA2	5.12E-06	0.65063	0.444	0.65	0.081706	MS.Trt_vs_MS.NoTrt_B
PAN2	5.14E-06	-1.1293	0.214	0.38	0.082117	MS.Trt_vs_MS.NoTrt_B
FABP4	5.15E-06	0.60859	0.172	0.04	0.082296	MS.Trt_vs_MS.NoTrt_B
PPP3CA	5.16E-06	0.56727	0.423	0.67	0.082453	MS.Trt_vs_MS.NoTrt_B
POM121C	5.23E-06	-0.2702	0.353	0.52	0.083462	MS.Trt_vs_MS.NoTrt_B
CCDC12	5.27E-06	-0.5502	0.216	0.4	0.08423	MS.Trt_vs_MS.NoTrt_B
C17orf62	5.42E-06	-0.4446	0.595	0.75	0.086613	MS.Trt_vs_MS.NoTrt_B
HMGB2	5.43E-06	-0.2837	0.209	0.39	0.086701	MS.Trt_vs_MS.NoTrt_B
ABL2	5.54E-06	0.44118	0.573	0.83	0.088461	MS.Trt_vs_MS.NoTrt_B
TCEANC2	5.55E-06	-0.5439	0.752	0.92	0.088574	MS.Trt_vs_MS.NoTrt_B
TRAF1	5.63E-06	-0.3131	0.211	0.4	0.089955	MS.Trt_vs_MS.NoTrt_B
HDAC3	5.73E-06	-1.439	0.061	0.17	0.091585	MS.Trt_vs_MS.NoTrt_B
RBM5	5.75E-06	-0.3851	0.749	0.9	0.091873	MS.Trt_vs_MS.NoTrt_B
FLI1	5.84E-06	-0.2755	0.359	0.55	0.093354	MS.Trt_vs_MS.NoTrt_B
HMBOX1	5.90E-06	-0.503	0.39	0.58	0.094234	MS.Trt_vs_MS.NoTrt_B
NFKBIZ	6.11E-06	-0.4214	0.231	0.41	0.097626	MS.Trt_vs_MS.NoTrt_B
TP63	6.15E-06	-0.307	0.303	0.49	0.098165	MS.Trt_vs_MS.NoTrt_B
MAX	6.19E-06	0.31325	0.373	0.62	0.098943	MS.Trt_vs_MS.NoTrt_B
AMBRA1	6.26E-06	-0.8992	0.124	0.27	0.099929	MS.Trt_vs_MS.NoTrt_B
CSNK1G1	6.27E-06	-0.4078	0.423	0.61	0.100221	MS.Trt_vs_MS.NoTrt_B
DUSP28	6.31E-06	-0.5806	0.584	0.73	0.100729	MS.Trt_vs_MS.NoTrt_B
CCND2	6.31E-06	-0.2854	0.257	0.44	0.100747	MS.Trt_vs_MS.NoTrt_B
TUBA4A	6.31E-06	-0.6092	0.159	0.31	0.100824	MS.Trt_vs_MS.NoTrt_B
ERLEC1	6.50E-06	0.29419	0.285	0.5	0.103836	MS.Trt_vs_MS.NoTrt_B
DTX2	6.55E-06	-0.3472	0.283	0.45	0.104619	MS.Trt_vs_MS.NoTrt_B
SPNS1	6.57E-06	-0.4682	0.667	0.86	0.104888	MS.Trt_vs_MS.NoTrt_B

CDK7	6.70E-06	-1.0542	0.094	0.22	0.107034	MS.Trt_vs_MS.NoTrt_B
ZKSCAN3	6.84E-06	-0.3058	0.68	0.84	0.109189	MS.Trt_vs_MS.NoTrt_B
MED28	6.92E-06	-0.4759	0.743	0.86	0.110566	MS.Trt_vs_MS.NoTrt_B
HEXA	7.09E-06	-0.5874	0.597	0.76	0.113192	MS.Trt_vs_MS.NoTrt_B
ACVR2B	7.20E-06	-0.5634	0.298	0.49	0.115008	MS.Trt_vs_MS.NoTrt_B
ZNF577	7.27E-06	0.39534	0.237	0.43	0.1162	MS.Trt_vs_MS.NoTrt_B
SUPT4H1	7.33E-06	-0.2974	0.131	0.28	0.11707	MS.Trt_vs_MS.NoTrt_B
PLEKHG2	7.36E-06	-0.4731	0.706	0.87	0.117517	MS.Trt_vs_MS.NoTrt_B
XPNPEP1	7.45E-06	-0.9896	0.192	0.35	0.119021	MS.Trt_vs_MS.NoTrt_B
CD82	7.50E-06	-0.58	0.497	0.68	0.119747	MS.Trt_vs_MS.NoTrt_B
RNF7	7.57E-06	-0.5225	0.549	0.72	0.120953	MS.Trt_vs_MS.NoTrt_B
ELP5	7.63E-06	-1.1621	0.048	0.15	0.121804	MS.Trt_vs_MS.NoTrt_B
ATP6AP2	7.64E-06	-0.2657	0.71	0.85	0.121972	MS.Trt_vs_MS.NoTrt_B
KANSL1	7.67E-06	-0.4752	0.562	0.73	0.122496	MS.Trt_vs_MS.NoTrt_B
ANP32E	7.68E-06	0.37976	0.37	0.58	0.122684	MS.Trt_vs_MS.NoTrt_B
EIF3H	7.70E-06	-0.3501	0.484	0.66	0.122955	MS.Trt_vs_MS.NoTrt_B
TTC31	7.76E-06	-0.876	0.146	0.29	0.123885	MS.Trt_vs_MS.NoTrt_B
DDRKG1	7.76E-06	-1.2812	0.081	0.2	0.123956	MS.Trt_vs_MS.NoTrt_B
SMAP1	7.77E-06	-0.9174	0.109	0.24	0.124102	MS.Trt_vs_MS.NoTrt_B
HELLS	7.82E-06	-0.315	0.651	0.84	0.124952	MS.Trt_vs_MS.NoTrt_B
KDEL2	7.86E-06	-0.6778	0.102	0.23	0.125485	MS.Trt_vs_MS.NoTrt_B
LRRC28	7.86E-06	-0.9503	0.381	0.56	0.125545	MS.Trt_vs_MS.NoTrt_B
ACP7	7.87E-06	-0.3388	0.305	0.49	0.125756	MS.Trt_vs_MS.NoTrt_B
ZBTB25	7.93E-06	0.25313	0.891	0.95	0.1267	MS.Trt_vs_MS.NoTrt_B
TMEM230	7.96E-06	0.3309	0.331	0.52	0.127134	MS.Trt_vs_MS.NoTrt_B
SLBP	8.02E-06	-0.7388	0.078	0.2	0.128137	MS.Trt_vs_MS.NoTrt_B
PRPF3	8.03E-06	-0.6977	0.743	0.86	0.128194	MS.Trt_vs_MS.NoTrt_B
NUMB	8.08E-06	-0.4666	0.601	0.76	0.128999	MS.Trt_vs_MS.NoTrt_B
SNRPD2	8.13E-06	0.28046	0.477	0.7	0.129923	MS.Trt_vs_MS.NoTrt_B
ABCF2	8.19E-06	-0.8336	0.161	0.32	0.130843	MS.Trt_vs_MS.NoTrt_B
BIRC3	8.23E-06	0.26352	0.481	0.69	0.131533	MS.Trt_vs_MS.NoTrt_B
MAN2B1	8.25E-06	-0.625	0.484	0.68	0.131734	MS.Trt_vs_MS.NoTrt_B
BCAS1	8.28E-06	-1.7904	0.251	0.42	0.132191	MS.Trt_vs_MS.NoTrt_B
CAPRIN1	8.42E-06	-0.3032	0.222	0.4	0.134425	MS.Trt_vs_MS.NoTrt_B
GLE1	8.44E-06	-0.7829	0.065	0.18	0.134818	MS.Trt_vs_MS.NoTrt_B
PPM1G	8.55E-06	-0.2967	0.542	0.77	0.136554	MS.Trt_vs_MS.NoTrt_B
DERL2	8.68E-06	0.64154	0.2	0.37	0.138607	MS.Trt_vs_MS.NoTrt_B
DDX27	8.70E-06	-0.268	0.51	0.68	0.138995	MS.Trt_vs_MS.NoTrt_B
GFPT1	8.71E-06	-0.5613	0.545	0.74	0.139114	MS.Trt_vs_MS.NoTrt_B
ZYX	8.78E-06	-0.305	0.207	0.38	0.140251	MS.Trt_vs_MS.NoTrt_B

PPP3CC	8.78E-06	-0.3485	0.12	0.27	0.14032	MS.Trt_vs_MS.NoTrt_B
ARV1	8.80E-06	0.40726	0.155	0.31	0.140499	MS.Trt_vs_MS.NoTrt_B
SSNA1	8.89E-06	-0.6545	0.096	0.23	0.141965	MS.Trt_vs_MS.NoTrt_B
DPYD	9.06E-06	-0.6476	0.359	0.52	0.144646	MS.Trt_vs_MS.NoTrt_B
NUDT9	9.19E-06	0.39733	0.373	0.59	0.146833	MS.Trt_vs_MS.NoTrt_B
ALG14	9.20E-06	-0.469	0.786	0.93	0.147001	MS.Trt_vs_MS.NoTrt_B
RSRP1	9.25E-06	-0.2637	0.839	0.95	0.147675	MS.Trt_vs_MS.NoTrt_B
CCDC25	9.28E-06	0.70035	0.168	0.34	0.148265	MS.Trt_vs_MS.NoTrt_B
SIPA1L3	9.49E-06	-0.412	0.501	0.71	0.151643	MS.Trt_vs_MS.NoTrt_B
CAMK4	9.66E-06	0.26121	0.503	0.7	0.154358	MS.Trt_vs_MS.NoTrt_B
RP1-2705.3	9.85E-06	-0.2532	0.111	0.25	0.157277	MS.Trt_vs_MS.NoTrt_B
DHX36	9.92E-06	0.32472	0.56	0.77	0.158448	MS.Trt_vs_MS.NoTrt_B
TOP3B	9.97E-06	-0.8089	0.089	0.22	0.159279	MS.Trt_vs_MS.NoTrt_B
TFB1M	1.01E-05	-0.338	0.301	0.48	0.161698	MS.Trt_vs_MS.NoTrt_B
MAZ	1.02E-05	-0.8662	0.102	0.23	0.163279	MS.Trt_vs_MS.NoTrt_B
COTL1	1.03E-05	-0.2962	0.767	0.91	0.163967	MS.Trt_vs_MS.NoTrt_B
PSMA1	1.03E-05	0.42957	0.261	0.47	0.16452	MS.Trt_vs_MS.NoTrt_B
RNF26	1.04E-05	-1.0187	0.076	0.2	0.166744	MS.Trt_vs_MS.NoTrt_B
ARHGEF6	1.05E-05	-0.3089	0.246	0.42	0.167418	MS.Trt_vs_MS.NoTrt_B
ARHGEF39	1.05E-05	-0.9427	0.497	0.7	0.167939	MS.Trt_vs_MS.NoTrt_B
FIS1	1.07E-05	-0.7007	0.172	0.32	0.171511	MS.Trt_vs_MS.NoTrt_B
GATC	1.08E-05	0.412	0.451	0.67	0.172691	MS.Trt_vs_MS.NoTrt_B
CYBA	1.08E-05	-0.3555	0.159	0.31	0.173114	MS.Trt_vs_MS.NoTrt_B
RNASSET2	1.12E-05	-0.2698	0.307	0.48	0.178309	MS.Trt_vs_MS.NoTrt_B
ARL5A	1.14E-05	-0.3286	0.092	0.22	0.182141	MS.Trt_vs_MS.NoTrt_B
ADCY7	1.17E-05	-0.3334	0.617	0.77	0.187106	MS.Trt_vs_MS.NoTrt_B
TINF2	1.19E-05	-0.4474	0.688	0.87	0.189536	MS.Trt_vs_MS.NoTrt_B
AIFM1	1.19E-05	-0.5424	0.355	0.56	0.189793	MS.Trt_vs_MS.NoTrt_B
NADK2	1.20E-05	-0.2834	0.283	0.47	0.191467	MS.Trt_vs_MS.NoTrt_B
MRPL3	1.23E-05	-0.3007	0.375	0.58	0.195767	MS.Trt_vs_MS.NoTrt_B
TSPAN32	1.28E-05	-0.3653	0.17	0.33	0.203886	MS.Trt_vs_MS.NoTrt_B
PSMC5	1.28E-05	-0.4481	0.244	0.42	0.203951	MS.Trt_vs_MS.NoTrt_B
NT5C2	1.28E-05	-0.6481	0.59	0.77	0.204811	MS.Trt_vs_MS.NoTrt_B
STOML1	1.29E-05	-0.785	0.634	0.82	0.205936	MS.Trt_vs_MS.NoTrt_B
CCR10	1.29E-05	-1.1168	0.057	0.16	0.20611	MS.Trt_vs_MS.NoTrt_B
GNL3L	1.29E-05	-0.2565	0.821	0.96	0.206356	MS.Trt_vs_MS.NoTrt_B
TMEM116	1.30E-05	0.44309	0.732	0.9	0.207101	MS.Trt_vs_MS.NoTrt_B
NAIP	1.31E-05	-0.7526	0.505	0.68	0.209103	MS.Trt_vs_MS.NoTrt_B
LIPT1	1.32E-05	-0.3347	0.523	0.72	0.210203	MS.Trt_vs_MS.NoTrt_B
NOSIP	1.34E-05	-0.2705	0.438	0.61	0.213354	MS.Trt_vs_MS.NoTrt_B

SNAP23	1.34E-05	-0.3236	0.501	0.7	0.214782	MS.Trt_vs_MS.NoTrt_B
IGBP1	1.35E-05	-0.7022	0.133	0.28	0.21514	MS.Trt_vs_MS.NoTrt_B
NEB	1.36E-05	-0.5066	0.401	0.62	0.217019	MS.Trt_vs_MS.NoTrt_B
HELZ2	1.38E-05	-0.4696	0.499	0.7	0.219755	MS.Trt_vs_MS.NoTrt_B
OAZ2	1.40E-05	-0.5424	0.627	0.83	0.22336	MS.Trt_vs_MS.NoTrt_B
SNRBP2	1.41E-05	-0.5377	0.137	0.28	0.224962	MS.Trt_vs_MS.NoTrt_B
RAP2C	1.41E-05	-0.5759	0.198	0.36	0.225341	MS.Trt_vs_MS.NoTrt_B
RNASEH2B	1.41E-05	0.31228	0.588	0.82	0.22569	MS.Trt_vs_MS.NoTrt_B
MED4	1.42E-05	0.34933	0.564	0.72	0.226959	MS.Trt_vs_MS.NoTrt_B
SART3	1.44E-05	-1.011	0.089	0.21	0.22962	MS.Trt_vs_MS.NoTrt_B
RNASEH2A	1.44E-05	-0.2804	0.795	0.95	0.23021	MS.Trt_vs_MS.NoTrt_B
VAMP3	1.44E-05	-0.2913	0.214	0.38	0.230412	MS.Trt_vs_MS.NoTrt_B
ZNF721	1.44E-05	-0.8084	0.248	0.41	0.230501	MS.Trt_vs_MS.NoTrt_B
RANGAP1	1.46E-05	-0.2661	0.508	0.71	0.23304	MS.Trt_vs_MS.NoTrt_B
HERC3	1.47E-05	-0.3045	0.218	0.38	0.234258	MS.Trt_vs_MS.NoTrt_B
PQLC3	1.47E-05	-0.4887	0.102	0.23	0.234346	MS.Trt_vs_MS.NoTrt_B
PRNP	1.47E-05	-0.4876	0.126	0.27	0.234391	MS.Trt_vs_MS.NoTrt_B
ATP8B1	1.47E-05	-0.6121	0.153	0.3	0.234634	MS.Trt_vs_MS.NoTrt_B
DHRX	1.48E-05	-0.6341	0.584	0.77	0.235642	MS.Trt_vs_MS.NoTrt_B
AIM1	1.48E-05	-0.3874	0.359	0.55	0.235666	MS.Trt_vs_MS.NoTrt_B
YBEY	1.48E-05	-1.0671	0.035	0.12	0.23585	MS.Trt_vs_MS.NoTrt_B
ZKSCAN5	1.48E-05	-0.2879	0.401	0.61	0.235911	MS.Trt_vs_MS.NoTrt_B
CDKN1B	1.49E-05	-0.2885	0.216	0.38	0.238499	MS.Trt_vs_MS.NoTrt_B
DNAJB12	1.52E-05	-0.6483	0.063	0.17	0.243253	MS.Trt_vs_MS.NoTrt_B
USF1	1.53E-05	-2.5167	0.102	0.22	0.243693	MS.Trt_vs_MS.NoTrt_B
MPI	1.53E-05	-0.8604	0.383	0.54	0.24411	MS.Trt_vs_MS.NoTrt_B
TMEM165	1.53E-05	-0.27	0.512	0.71	0.244429	MS.Trt_vs_MS.NoTrt_B
TGM2	1.58E-05	-0.2596	0.401	0.6	0.252403	MS.Trt_vs_MS.NoTrt_B
FBXO11	1.60E-05	0.77328	0.301	0.49	0.254777	MS.Trt_vs_MS.NoTrt_B
MRPS6	1.60E-05	-0.5495	0.126	0.27	0.255573	MS.Trt_vs_MS.NoTrt_B
USP45	1.60E-05	-0.7354	0.115	0.25	0.255671	MS.Trt_vs_MS.NoTrt_B
NDUFS4	1.62E-05	-0.779	0.168	0.31	0.259526	MS.Trt_vs_MS.NoTrt_B
GIN1	1.63E-05	0.94371	0.244	0.43	0.260001	MS.Trt_vs_MS.NoTrt_B
RFTN1	1.63E-05	-0.4843	0.277	0.45	0.260012	MS.Trt_vs_MS.NoTrt_B
C15orf52	1.63E-05	-0.9584	0.285	0.48	0.260943	MS.Trt_vs_MS.NoTrt_B
PSMD9	1.63E-05	-0.3119	0.904	0.98	0.260947	MS.Trt_vs_MS.NoTrt_B
CAPRIN2	1.65E-05	-0.6021	0.532	0.77	0.264002	MS.Trt_vs_MS.NoTrt_B
FBXO40	1.69E-05	0.38012	0.176	0.34	0.270246	MS.Trt_vs_MS.NoTrt_B
SUPT7L	1.72E-05	-0.4295	0.344	0.54	0.275163	MS.Trt_vs_MS.NoTrt_B
ZNF783	1.75E-05	-0.7183	0.344	0.54	0.279031	MS.Trt_vs_MS.NoTrt_B

TRIM4	1.75E-05	0.30436	0.414	0.62	0.279136	MS.Trt_vs_MS.NoTrt_B
GMPR2	1.75E-05	-1.1306	0.076	0.19	0.279248	MS.Trt_vs_MS.NoTrt_B
PPP2R3B	1.75E-05	-1.1172	0.333	0.53	0.279399	MS.Trt_vs_MS.NoTrt_B
RGL4	1.75E-05	-0.3296	0.142	0.29	0.280303	MS.Trt_vs_MS.NoTrt_B
PTCD3	1.77E-05	-0.2904	0.767	0.94	0.282904	MS.Trt_vs_MS.NoTrt_B
NSA2	1.82E-05	-0.4479	0.242	0.41	0.290633	MS.Trt_vs_MS.NoTrt_B
GRIPAP1	1.82E-05	-0.4798	0.575	0.77	0.290895	MS.Trt_vs_MS.NoTrt_B
PRPF6	1.86E-05	-0.6314	0.124	0.26	0.297362	MS.Trt_vs_MS.NoTrt_B
RALB	1.87E-05	-1.5339	0.031	0.11	0.298064	MS.Trt_vs_MS.NoTrt_B
DDX42	1.91E-05	0.61554	0.257	0.45	0.304538	MS.Trt_vs_MS.NoTrt_B
TCHP	1.93E-05	-0.6202	0.381	0.55	0.307584	MS.Trt_vs_MS.NoTrt_B
NUP107	1.94E-05	-0.5391	0.597	0.78	0.309738	MS.Trt_vs_MS.NoTrt_B
ZNF576	1.94E-05	-0.2583	0.397	0.6	0.309943	MS.Trt_vs_MS.NoTrt_B
FAM126A	1.96E-05	0.8013	0.497	0.73	0.31364	MS.Trt_vs_MS.NoTrt_B
TUBA1A	1.99E-05	-0.4619	0.187	0.34	0.317964	MS.Trt_vs_MS.NoTrt_B
RGS10	2.02E-05	-0.3463	0.166	0.31	0.322506	MS.Trt_vs_MS.NoTrt_B
USP34	2.05E-05	0.36679	0.481	0.68	0.32776	MS.Trt_vs_MS.NoTrt_B
CTSS	2.08E-05	-0.3112	0.556	0.73	0.332008	MS.Trt_vs_MS.NoTrt_B
KLHL5	2.09E-05	-0.3808	0.331	0.53	0.334378	MS.Trt_vs_MS.NoTrt_B
TPI1	2.11E-05	-0.2917	0.403	0.6	0.337725	MS.Trt_vs_MS.NoTrt_B
RANBP3	2.12E-05	-0.2913	0.601	0.81	0.339029	MS.Trt_vs_MS.NoTrt_B
GALE	2.13E-05	0.27145	0.192	0.36	0.340483	MS.Trt_vs_MS.NoTrt_B
MAST4	2.20E-05	-0.4494	0.481	0.65	0.351058	MS.Trt_vs_MS.NoTrt_B
GDAP2	2.20E-05	-0.7427	0.549	0.74	0.351639	MS.Trt_vs_MS.NoTrt_B
AHSA2	2.21E-05	0.37154	0.166	0.32	0.35274	MS.Trt_vs_MS.NoTrt_B
DIS3L2	2.22E-05	-0.7258	0.333	0.5	0.353981	MS.Trt_vs_MS.NoTrt_B
DTWD1	2.22E-05	0.38223	0.436	0.65	0.354362	MS.Trt_vs_MS.NoTrt_B
9-Sep	2.22E-05	0.45039	0.42	0.67	0.355138	MS.Trt_vs_MS.NoTrt_B
RP11-449H3	2.24E-05	-0.4906	0.172	0.32	0.357739	MS.Trt_vs_MS.NoTrt_B
SLC2A8	2.26E-05	-0.939	0.196	0.35	0.361597	MS.Trt_vs_MS.NoTrt_B
DPP8	2.30E-05	-0.5408	0.29	0.47	0.367304	MS.Trt_vs_MS.NoTrt_B
RAD21	2.30E-05	0.38671	0.298	0.48	0.367572	MS.Trt_vs_MS.NoTrt_B
DMPK	2.30E-05	0.34045	0.46	0.68	0.367653	MS.Trt_vs_MS.NoTrt_B
COX5B	2.31E-05	0.32354	0.682	0.83	0.368212	MS.Trt_vs_MS.NoTrt_B
SVBP	2.31E-05	-0.7279	0.076	0.19	0.368506	MS.Trt_vs_MS.NoTrt_B
ARL16	2.38E-05	-0.6527	0.614	0.8	0.380429	MS.Trt_vs_MS.NoTrt_B
MRPL52	2.39E-05	0.71492	0.473	0.67	0.381226	MS.Trt_vs_MS.NoTrt_B
PSPC1	2.39E-05	-0.4493	0.218	0.37	0.381977	MS.Trt_vs_MS.NoTrt_B
MIXL1	2.41E-05	0.37281	0.619	0.42	0.385605	MS.Trt_vs_MS.NoTrt_B
ASNS	2.42E-05	-0.897	0.163	0.3	0.386455	MS.Trt_vs_MS.NoTrt_B



PNPLA4	2.43E-05	0.5433	0.176	0.34	0.387641	MS.Trt_vs_MS.NoTrt_B
STAT3	2.54E-05	-0.344	0.636	0.82	0.405174	MS.Trt_vs_MS.NoTrt_B
DBNL	2.54E-05	-0.2672	0.351	0.51	0.405671	MS.Trt_vs_MS.NoTrt_B
KDM4A	2.56E-05	-0.7689	0.061	0.17	0.408685	MS.Trt_vs_MS.NoTrt_B
TBCC	2.58E-05	-0.3276	0.259	0.43	0.411685	MS.Trt_vs_MS.NoTrt_B
BIRC2	2.59E-05	-0.3722	0.089	0.21	0.413592	MS.Trt_vs_MS.NoTrt_B
GMPPA	2.61E-05	-0.2674	0.161	0.31	0.416807	MS.Trt_vs_MS.NoTrt_B
FBXO32	2.62E-05	-0.6579	0.098	0.22	0.417999	MS.Trt_vs_MS.NoTrt_B
SEC61A1	2.62E-05	-0.3466	0.253	0.42	0.418785	MS.Trt_vs_MS.NoTrt_B
HIBCH	2.63E-05	-0.6524	0.139	0.28	0.41954	MS.Trt_vs_MS.NoTrt_B
KAT2B	2.70E-05	0.60791	0.115	0.25	0.430956	MS.Trt_vs_MS.NoTrt_B
LRR1	2.71E-05	-2.2748	0.057	0.16	0.432969	MS.Trt_vs_MS.NoTrt_B
HLA-C	2.72E-05	-0.4072	0.85	0.92	0.434901	MS.Trt_vs_MS.NoTrt_B
ASAP3	2.74E-05	-0.4257	0.379	0.58	0.438334	MS.Trt_vs_MS.NoTrt_B
RNF6	2.75E-05	-0.3194	0.098	0.22	0.438561	MS.Trt_vs_MS.NoTrt_B
GARS	2.77E-05	-0.4109	0.146	0.29	0.441817	MS.Trt_vs_MS.NoTrt_B
LAIR2	2.78E-05	-0.7484	0.057	0.16	0.44355	MS.Trt_vs_MS.NoTrt_B
MTIF3	2.82E-05	-0.6221	0.102	0.23	0.450813	MS.Trt_vs_MS.NoTrt_B
ZNF266	2.83E-05	-0.4922	0.235	0.4	0.451314	MS.Trt_vs_MS.NoTrt_B
ADH5	2.84E-05	0.28233	0.309	0.5	0.452941	MS.Trt_vs_MS.NoTrt_B
TOR3A	2.84E-05	-0.894	0.719	0.85	0.453745	MS.Trt_vs_MS.NoTrt_B
VLDLR	2.97E-05	-0.3109	0.316	0.5	0.473872	MS.Trt_vs_MS.NoTrt_B
SLC2A3	3.02E-05	-0.2899	0.632	0.81	0.481793	MS.Trt_vs_MS.NoTrt_B
IDNK	3.02E-05	-0.3102	0.272	0.45	0.482174	MS.Trt_vs_MS.NoTrt_B
DHRS4	3.05E-05	-0.7789	0.063	0.17	0.487064	MS.Trt_vs_MS.NoTrt_B
TNIP3	3.17E-05	-0.6101	0.368	0.56	0.506402	MS.Trt_vs_MS.NoTrt_B
MAP4K3	3.18E-05	-0.6362	0.028	0.11	0.507278	MS.Trt_vs_MS.NoTrt_B
AP1S1	3.18E-05	-0.2812	0.031	0.11	0.508433	MS.Trt_vs_MS.NoTrt_B
MRPS23	3.29E-05	-0.5505	0.658	0.82	0.524878	MS.Trt_vs_MS.NoTrt_B
UTP20	3.30E-05	0.78227	0.368	0.57	0.526387	MS.Trt_vs_MS.NoTrt_B
THEMIS2	3.33E-05	-0.4731	0.081	0.2	0.53224	MS.Trt_vs_MS.NoTrt_B
BMS1	3.34E-05	-0.3191	0.394	0.58	0.533443	MS.Trt_vs_MS.NoTrt_B
SVIP	3.35E-05	-0.3733	0.39	0.57	0.535611	MS.Trt_vs_MS.NoTrt_B
KIAA1614	3.36E-05	0.45208	0.181	0.34	0.53736	MS.Trt_vs_MS.NoTrt_B
C11orf21	3.37E-05	-0.8749	0.081	0.2	0.537974	MS.Trt_vs_MS.NoTrt_B
ZRANB2	3.37E-05	0.49764	0.303	0.49	0.538118	MS.Trt_vs_MS.NoTrt_B
NOP14	3.41E-05	-0.4705	0.314	0.5	0.544559	MS.Trt_vs_MS.NoTrt_B
IQCC	3.41E-05	0.52064	0.427	0.67	0.545213	MS.Trt_vs_MS.NoTrt_B
ZNF215	3.43E-05	-0.2612	0.283	0.45	0.547852	MS.Trt_vs_MS.NoTrt_B
SEMA3C	3.48E-05	-0.2969	0.503	0.7	0.555067	MS.Trt_vs_MS.NoTrt_B

ATP5S	3.48E-05	-0.3852	0.793	0.93	0.556082	MS.Trt_vs_MS.NoTrt_B
KIAA0391	3.48E-05	-0.2931	0.573	0.75	0.556336	MS.Trt_vs_MS.NoTrt_B
PEX16	3.50E-05	-0.511	0.582	0.8	0.559008	MS.Trt_vs_MS.NoTrt_B
BSDC1	3.50E-05	-0.5827	0.353	0.51	0.559548	MS.Trt_vs_MS.NoTrt_B
SH3GL1	3.56E-05	-0.3356	0.634	0.78	0.567969	MS.Trt_vs_MS.NoTrt_B
SMYD2	3.56E-05	-0.3595	0.094	0.21	0.568165	MS.Trt_vs_MS.NoTrt_B
CCDC191	3.60E-05	-0.3675	0.155	0.3	0.5755	MS.Trt_vs_MS.NoTrt_B
PCBP1	3.62E-05	0.31277	0.342	0.53	0.578576	MS.Trt_vs_MS.NoTrt_B
ZNF428	3.67E-05	-0.5699	0.113	0.23	0.585832	MS.Trt_vs_MS.NoTrt_B
C4orf3	3.68E-05	0.26299	0.447	0.62	0.587096	MS.Trt_vs_MS.NoTrt_B
EMD	3.69E-05	-0.4074	0.187	0.34	0.589147	MS.Trt_vs_MS.NoTrt_B
GLYCTK	3.74E-05	-0.4509	0.063	0.17	0.597541	MS.Trt_vs_MS.NoTrt_B
CES4A	3.76E-05	-0.3496	0.416	0.59	0.601358	MS.Trt_vs_MS.NoTrt_B
DHX16	3.77E-05	-0.65	0.092	0.21	0.601733	MS.Trt_vs_MS.NoTrt_B
ZMYM6	3.78E-05	0.49049	0.664	0.89	0.603003	MS.Trt_vs_MS.NoTrt_B
QRICH1	3.81E-05	-0.3363	0.407	0.6	0.607854	MS.Trt_vs_MS.NoTrt_B
BAX	3.81E-05	-0.3281	0.248	0.4	0.608911	MS.Trt_vs_MS.NoTrt_B
ZNF507	3.85E-05	-0.2533	0.118	0.25	0.614453	MS.Trt_vs_MS.NoTrt_B
RP11-977G1	3.86E-05	-0.2552	0.044	0.14	0.616379	MS.Trt_vs_MS.NoTrt_B
AP003419.1	3.89E-05	-0.5089	0.098	0.22	0.621135	MS.Trt_vs_MS.NoTrt_B
FAM105A	3.94E-05	0.34598	0.181	0.33	0.628629	MS.Trt_vs_MS.NoTrt_B
ZNF226	3.94E-05	-0.7097	0.316	0.47	0.629195	MS.Trt_vs_MS.NoTrt_B
PSMB7	3.97E-05	-0.3357	0.198	0.35	0.63421	MS.Trt_vs_MS.NoTrt_B
RNF130	3.97E-05	0.6419	0.488	0.67	0.634516	MS.Trt_vs_MS.NoTrt_B
CHST11	3.99E-05	-0.3678	0.109	0.23	0.63773	MS.Trt_vs_MS.NoTrt_B
ZNF85	4.00E-05	-0.4592	0.514	0.72	0.639056	MS.Trt_vs_MS.NoTrt_B
SIVA1	4.00E-05	-0.3077	0.303	0.47	0.639271	MS.Trt_vs_MS.NoTrt_B
HTATIP2	4.02E-05	-0.4241	0.087	0.21	0.6416	MS.Trt_vs_MS.NoTrt_B
TIMM23B	4.03E-05	-0.8321	0.46	0.68	0.644118	MS.Trt_vs_MS.NoTrt_B
C1orf159	4.05E-05	-0.9796	0.076	0.19	0.646534	MS.Trt_vs_MS.NoTrt_B
POLA2	4.09E-05	-0.7945	0.534	0.7	0.652982	MS.Trt_vs_MS.NoTrt_B
SLC12A2	4.09E-05	0.7141	0.412	0.63	0.654022	MS.Trt_vs_MS.NoTrt_B
BEX2	4.15E-05	-0.7579	0.041	0.13	0.663462	MS.Trt_vs_MS.NoTrt_B
TSEN15	4.17E-05	-0.6113	0.107	0.23	0.666672	MS.Trt_vs_MS.NoTrt_B
ERI1	4.19E-05	0.35913	0.268	0.45	0.669631	MS.Trt_vs_MS.NoTrt_B
MTR	4.21E-05	-0.287	0.414	0.56	0.671742	MS.Trt_vs_MS.NoTrt_B
ZNF687	4.25E-05	-0.6164	0.497	0.66	0.679601	MS.Trt_vs_MS.NoTrt_B
ZNF335	4.36E-05	-0.3368	0.248	0.4	0.696227	MS.Trt_vs_MS.NoTrt_B
ATP2B1	4.38E-05	0.48856	0.325	0.54	0.699107	MS.Trt_vs_MS.NoTrt_B
C1orf43	4.46E-05	-0.3596	0.451	0.62	0.71286	MS.Trt_vs_MS.NoTrt_B

VPS26A	4.47E-05	0.63732	0.244	0.42	0.713716	MS.Trt_vs_MS.NoTrt_B
FAHD2B	4.48E-05	-0.694	0.098	0.22	0.714833	MS.Trt_vs_MS.NoTrt_B
ACOT9	4.49E-05	-0.8023	0.8	0.9	0.71661	MS.Trt_vs_MS.NoTrt_B
ARHGAP11A	4.53E-05	-1.0132	0.279	0.44	0.723538	MS.Trt_vs_MS.NoTrt_B
ETF1	4.56E-05	0.30866	0.2	0.36	0.727615	MS.Trt_vs_MS.NoTrt_B
DDOST	4.57E-05	-0.5817	0.444	0.57	0.730446	MS.Trt_vs_MS.NoTrt_B
CMTR1	4.58E-05	-1.1321	0.122	0.24	0.732327	MS.Trt_vs_MS.NoTrt_B
ONECUT3	4.59E-05	-0.3327	0.312	0.48	0.733245	MS.Trt_vs_MS.NoTrt_B
ASB7	4.62E-05	-1.3188	0.033	0.11	0.738497	MS.Trt_vs_MS.NoTrt_B
ELOF1	4.77E-05	-0.5975	0.473	0.62	0.762699	MS.Trt_vs_MS.NoTrt_B
CCDC141	4.84E-05	-0.3224	0.505	0.7	0.77339	MS.Trt_vs_MS.NoTrt_B
COPS4	4.86E-05	0.53971	0.349	0.55	0.776267	MS.Trt_vs_MS.NoTrt_B
CTSD	4.86E-05	-0.5412	0.139	0.28	0.776592	MS.Trt_vs_MS.NoTrt_B
KIAA2013	4.92E-05	-0.3852	0.209	0.36	0.785745	MS.Trt_vs_MS.NoTrt_B
PHF7	4.93E-05	-1.1447	0.351	0.54	0.787569	MS.Trt_vs_MS.NoTrt_B
WBSCR22	4.95E-05	-0.4817	0.584	0.75	0.791294	MS.Trt_vs_MS.NoTrt_B
MCOLN2	4.96E-05	0.34069	0.316	0.49	0.792331	MS.Trt_vs_MS.NoTrt_B
NOL6	4.97E-05	-1.4045	0.275	0.42	0.794654	MS.Trt_vs_MS.NoTrt_B
GALNT10	4.99E-05	-0.6229	0.403	0.57	0.797088	MS.Trt_vs_MS.NoTrt_B
RTN3	5.09E-05	-0.4297	0.098	0.22	0.813735	MS.Trt_vs_MS.NoTrt_B
GABRE	5.12E-05	-0.3915	0.133	0.26	0.817806	MS.Trt_vs_MS.NoTrt_B
SIMC1	5.19E-05	-0.2604	0.296	0.48	0.828983	MS.Trt_vs_MS.NoTrt_B
WDR55	5.30E-05	-0.3324	0.484	0.67	0.846807	MS.Trt_vs_MS.NoTrt_B
SEL1L	5.33E-05	-0.7812	0.115	0.24	0.851888	MS.Trt_vs_MS.NoTrt_B
TRIB1	5.34E-05	-0.3288	0.033	0.11	0.852383	MS.Trt_vs_MS.NoTrt_B
TLDC1	5.42E-05	-0.536	0.593	0.81	0.866054	MS.Trt_vs_MS.NoTrt_B
TSPAN5	5.46E-05	-0.3382	0.46	0.62	0.871823	MS.Trt_vs_MS.NoTrt_B
RCAN3	5.48E-05	0.25812	0.662	0.81	0.874648	MS.Trt_vs_MS.NoTrt_B
WDR89	5.54E-05	-0.2564	0.231	0.41	0.884475	MS.Trt_vs_MS.NoTrt_B
ZC3H12A	5.60E-05	-1.1958	0.057	0.15	0.894389	MS.Trt_vs_MS.NoTrt_B
C20orf196	5.60E-05	-1.1335	0.244	0.41	0.894729	MS.Trt_vs_MS.NoTrt_B
HYKK	5.61E-05	0.25191	0.684	0.86	0.895481	MS.Trt_vs_MS.NoTrt_B
MBD3	5.63E-05	0.42893	0.547	0.8	0.899478	MS.Trt_vs_MS.NoTrt_B
TRMT5	5.64E-05	-1.0639	0.089	0.2	0.90087	MS.Trt_vs_MS.NoTrt_B
NHSL2	5.65E-05	0.38511	0.444	0.64	0.902273	MS.Trt_vs_MS.NoTrt_B
NUDT2	5.68E-05	-1.3169	0.031	0.11	0.906505	MS.Trt_vs_MS.NoTrt_B
RBMX2	5.68E-05	-0.9851	0.052	0.15	0.908043	MS.Trt_vs_MS.NoTrt_B
MRPL11	5.72E-05	-0.7593	0.07	0.17	0.913241	MS.Trt_vs_MS.NoTrt_B
MAF1	5.83E-05	-0.4039	0.122	0.25	0.931231	MS.Trt_vs_MS.NoTrt_B
MS4A2	5.84E-05	-0.2566	0.486	0.62	0.932981	MS.Trt_vs_MS.NoTrt_B

FAN1	5.85E-05	0.97198	0.192	0.34	0.933773	MS.Trt_vs_MS.NoTrt_B
TNFRSF9	5.88E-05	-0.4609	0.754	0.91	0.939299	MS.Trt_vs_MS.NoTrt_B
RNASEH2C	5.89E-05	-0.3155	0.072	0.18	0.940958	MS.Trt_vs_MS.NoTrt_B
HM13	5.98E-05	-0.5029	0.715	0.83	0.955445	MS.Trt_vs_MS.NoTrt_B
ZNF468	6.07E-05	0.3797	0.416	0.62	0.96963	MS.Trt_vs_MS.NoTrt_B
STX10	6.09E-05	-0.5476	0.083	0.2	0.972763	MS.Trt_vs_MS.NoTrt_B
WEE1	6.09E-05	-0.3158	0.51	0.65	0.972998	MS.Trt_vs_MS.NoTrt_B
ZCCHC9	6.16E-05	-0.4092	0.525	0.73	0.983722	MS.Trt_vs_MS.NoTrt_B
VASP	6.17E-05	-0.7021	0.407	0.57	0.985657	MS.Trt_vs_MS.NoTrt_B
HGS	6.18E-05	0.30032	0.549	0.72	0.987444	MS.Trt_vs_MS.NoTrt_B
CCDC130	6.18E-05	0.26865	0.316	0.49	0.987871	MS.Trt_vs_MS.NoTrt_B
XPO6	6.20E-05	-0.3156	0.233	0.38	0.989849	MS.Trt_vs_MS.NoTrt_B
FNDC3A	6.20E-05	-0.2999	0.37	0.55	0.99019	MS.Trt_vs_MS.NoTrt_B
CHD6	6.25E-05	-0.409	0.135	0.27	0.998542	MS.Trt_vs_MS.NoTrt_B
RCHY1	6.41E-05	-0.8131	0.192	0.34	1	MS.Trt_vs_MS.NoTrt_B
RINL	6.45E-05	-0.6398	0.597	0.76	1	MS.Trt_vs_MS.NoTrt_B
CCDC14	6.47E-05	0.4885	0.129	0.27	1	MS.Trt_vs_MS.NoTrt_B
CLCN3	6.49E-05	1.0745	0.227	0.39	1	MS.Trt_vs_MS.NoTrt_B
EIF1AD	6.51E-05	0.54578	0.571	0.74	1	MS.Trt_vs_MS.NoTrt_B
EGLN1	6.55E-05	-0.2654	0.24	0.4	1	MS.Trt_vs_MS.NoTrt_B
RC3H1	6.60E-05	0.33164	0.353	0.5	1	MS.Trt_vs_MS.NoTrt_B
ZNF621	6.61E-05	-0.2734	0.828	0.94	1	MS.Trt_vs_MS.NoTrt_B
AP5Z1	6.62E-05	-1.0119	0.109	0.23	1	MS.Trt_vs_MS.NoTrt_B
ARNTL2	6.67E-05	-0.3318	0.532	0.63	1	MS.Trt_vs_MS.NoTrt_B
C8orf59	6.70E-05	0.33163	0.283	0.45	1	MS.Trt_vs_MS.NoTrt_B
MEI1	6.73E-05	-0.6392	0.601	0.76	1	MS.Trt_vs_MS.NoTrt_B
IARS2	6.78E-05	-0.6984	0.085	0.2	1	MS.Trt_vs_MS.NoTrt_B
TCAF1	6.81E-05	-0.9715	0.187	0.34	1	MS.Trt_vs_MS.NoTrt_B
ANAPC7	6.81E-05	-0.3479	0.423	0.6	1	MS.Trt_vs_MS.NoTrt_B
PTPN2	6.82E-05	-0.4611	0.858	0.98	1	MS.Trt_vs_MS.NoTrt_B
UBE2K	6.88E-05	-0.7427	0.111	0.23	1	MS.Trt_vs_MS.NoTrt_B
KIAA1429	6.98E-05	0.33102	0.651	0.84	1	MS.Trt_vs_MS.NoTrt_B
CNPY2	7.00E-05	-0.4078	0.852	0.96	1	MS.Trt_vs_MS.NoTrt_B
YPEL5	7.01E-05	0.28082	0.144	0.28	1	MS.Trt_vs_MS.NoTrt_B
RARA	7.04E-05	-0.9172	0.037	0.12	1	MS.Trt_vs_MS.NoTrt_B
ARHGAP19	7.05E-05	0.37037	0.207	0.36	1	MS.Trt_vs_MS.NoTrt_B
FLYWCH1	7.10E-05	-0.4672	0.575	0.79	1	MS.Trt_vs_MS.NoTrt_B
RASSF1	7.11E-05	-0.9732	0.109	0.22	1	MS.Trt_vs_MS.NoTrt_B
HSDL2	7.17E-05	-0.4857	0.087	0.2	1	MS.Trt_vs_MS.NoTrt_B
GRAP2	7.17E-05	-0.5246	0.209	0.35	1	MS.Trt_vs_MS.NoTrt_B

REEP4	7.17E-05	-1.51	0.028	0.1	1 MS.Trt_vs_MS.NoTrt_B
FAM153A	7.28E-05	-0.4554	0.373	0.54	1 MS.Trt_vs_MS.NoTrt_B
HSBP1L1	7.33E-05	-0.319	0.251	0.41	1 MS.Trt_vs_MS.NoTrt_B
SMURF2	7.36E-05	0.31091	0.586	0.77	1 MS.Trt_vs_MS.NoTrt_B
UXT	7.44E-05	-0.3357	0.157	0.3	1 MS.Trt_vs_MS.NoTrt_B
PRPF31	7.51E-05	-0.711	0.096	0.21	1 MS.Trt_vs_MS.NoTrt_B
AKT1S1	7.58E-05	-0.571	0.129	0.25	1 MS.Trt_vs_MS.NoTrt_B
NAGPA	7.59E-05	-0.2978	0.505	0.7	1 MS.Trt_vs_MS.NoTrt_B
SV2C	7.60E-05	-0.7581	0.444	0.66	1 MS.Trt_vs_MS.NoTrt_B
BCL2L1	7.61E-05	-0.6013	0.096	0.21	1 MS.Trt_vs_MS.NoTrt_B
GORASP2	7.64E-05	-0.487	0.129	0.25	1 MS.Trt_vs_MS.NoTrt_B
APEH	7.71E-05	-0.3822	0.133	0.27	1 MS.Trt_vs_MS.NoTrt_B
AFF1	7.75E-05	0.47566	0.279	0.46	1 MS.Trt_vs_MS.NoTrt_B
POLR2L	7.75E-05	-0.2969	0.179	0.32	1 MS.Trt_vs_MS.NoTrt_B
KBTBD6	7.88E-05	-1.4414	0.253	0.43	1 MS.Trt_vs_MS.NoTrt_B
FNTA	7.91E-05	0.58284	0.695	0.84	1 MS.Trt_vs_MS.NoTrt_B
GLCE	7.94E-05	-0.9136	0.074	0.18	1 MS.Trt_vs_MS.NoTrt_B
RP11-435I1C	7.94E-05	-0.2844	0.24	0.39	1 MS.Trt_vs_MS.NoTrt_B
SGSM3	7.98E-05	-0.438	0.131	0.26	1 MS.Trt_vs_MS.NoTrt_B
ACTR3B	8.09E-05	-0.5801	0.377	0.55	1 MS.Trt_vs_MS.NoTrt_B
MCCC2	8.18E-05	0.42178	0.473	0.67	1 MS.Trt_vs_MS.NoTrt_B
CCDC155	8.20E-05	-0.5684	0.059	0.16	1 MS.Trt_vs_MS.NoTrt_B
SREBF2	8.28E-05	-0.5427	0.085	0.2	1 MS.Trt_vs_MS.NoTrt_B
GOSR2	8.34E-05	-0.9526	0.068	0.17	1 MS.Trt_vs_MS.NoTrt_B
CALM2	8.35E-05	0.27316	0.78	0.9	1 MS.Trt_vs_MS.NoTrt_B
SMARCA4	8.48E-05	0.53151	0.664	0.81	1 MS.Trt_vs_MS.NoTrt_B
RPN1	8.53E-05	-0.3454	0.527	0.68	1 MS.Trt_vs_MS.NoTrt_B
PI4KB	8.55E-05	-0.6618	0.122	0.24	1 MS.Trt_vs_MS.NoTrt_B
VPS4A	8.56E-05	-0.265	0.499	0.67	1 MS.Trt_vs_MS.NoTrt_B
DDB1	8.64E-05	-0.5385	0.756	0.89	1 MS.Trt_vs_MS.NoTrt_B
GPN3	8.81E-05	-1.2357	0.268	0.42	1 MS.Trt_vs_MS.NoTrt_B
FAM63B	8.84E-05	-0.7426	0.623	0.8	1 MS.Trt_vs_MS.NoTrt_B
WHSC1L1	8.87E-05	0.26738	0.477	0.69	1 MS.Trt_vs_MS.NoTrt_B
IMMP1L	8.92E-05	0.86892	0.405	0.58	1 MS.Trt_vs_MS.NoTrt_B
MYDGF	8.93E-05	-0.2762	0.1	0.22	1 MS.Trt_vs_MS.NoTrt_B
NUB1	9.14E-05	-0.3243	0.778	0.91	1 MS.Trt_vs_MS.NoTrt_B
RAB3IP	9.25E-05	0.84011	0.51	0.67	1 MS.Trt_vs_MS.NoTrt_B
PHKB	9.47E-05	0.37711	0.623	0.81	1 MS.Trt_vs_MS.NoTrt_B
NFKBIA	9.47E-05	-0.4282	0.183	0.32	1 MS.Trt_vs_MS.NoTrt_B
MRPL2	9.53E-05	0.36727	0.183	0.34	1 MS.Trt_vs_MS.NoTrt_B

NSMAF	9.61E-05	-0.4023	0.137	0.27	1 MS.Trt_vs_MS.NoTrt_B
RAD23B	9.64E-05	-0.4042	0.344	0.53	1 MS.Trt_vs_MS.NoTrt_B
RUVBL2	9.66E-05	-0.3749	0.723	0.92	1 MS.Trt_vs_MS.NoTrt_B
RAB11B	9.76E-05	-0.2843	0.322	0.47	1 MS.Trt_vs_MS.NoTrt_B
POLL	9.76E-05	-1.1229	0.283	0.42	1 MS.Trt_vs_MS.NoTrt_B
TTC12	9.87E-05	-0.9141	0.076	0.18	1 MS.Trt_vs_MS.NoTrt_B
SLC25A15	9.88E-05	-0.4861	0.532	0.72	1 MS.Trt_vs_MS.NoTrt_B
FLT4	1.00E-04	-0.9087	0.05	0.14	1 MS.Trt_vs_MS.NoTrt_B
ZNF880	1.02E-04	0.40494	0.373	0.55	1 MS.Trt_vs_MS.NoTrt_B
ZNF45	1.03E-04	0.95538	0.19	0.34	1 MS.Trt_vs_MS.NoTrt_B
SLC25A20	1.04E-04	-1.9575	0.048	0.14	1 MS.Trt_vs_MS.NoTrt_B
PCNX1	1.04E-04	0.35873	0.715	0.88	1 MS.Trt_vs_MS.NoTrt_B
DYNC1I2	1.04E-04	-0.8045	0.135	0.26	1 MS.Trt_vs_MS.NoTrt_B
ZBTB7A	1.05E-04	-0.4876	0.072	0.17	1 MS.Trt_vs_MS.NoTrt_B
CES3	1.07E-04	-0.2729	0.139	0.27	1 MS.Trt_vs_MS.NoTrt_B
TMEM184A	1.08E-04	0.62644	0.27	0.43	1 MS.Trt_vs_MS.NoTrt_B
CXXC1	1.09E-04	-0.6895	0.105	0.22	1 MS.Trt_vs_MS.NoTrt_B
C1orf27	1.10E-04	-0.9465	0.083	0.19	1 MS.Trt_vs_MS.NoTrt_B
SREK1IP1	1.10E-04	-0.4211	0.285	0.45	1 MS.Trt_vs_MS.NoTrt_B
ZDHHC3	1.10E-04	-0.3844	0.338	0.48	1 MS.Trt_vs_MS.NoTrt_B
C12orf57	1.11E-04	-0.3492	0.296	0.45	1 MS.Trt_vs_MS.NoTrt_B
TMEM243	1.11E-04	0.39149	0.198	0.36	1 MS.Trt_vs_MS.NoTrt_B
RFX5	1.11E-04	-0.4418	0.216	0.35	1 MS.Trt_vs_MS.NoTrt_B
GSPT1	1.13E-04	0.30335	0.386	0.56	1 MS.Trt_vs_MS.NoTrt_B
BZW2	1.13E-04	-0.6639	0.083	0.19	1 MS.Trt_vs_MS.NoTrt_B
GNAL	1.14E-04	0.44626	0.318	0.48	1 MS.Trt_vs_MS.NoTrt_B
HMGA1	1.15E-04	-0.3195	0.142	0.27	1 MS.Trt_vs_MS.NoTrt_B
FBXL4	1.16E-04	-0.574	0.386	0.55	1 MS.Trt_vs_MS.NoTrt_B
SYAP1	1.16E-04	0.34969	0.887	0.98	1 MS.Trt_vs_MS.NoTrt_B
ST8SIA3	1.16E-04	-0.3209	0.107	0.22	1 MS.Trt_vs_MS.NoTrt_B
LAPTM4A	1.17E-04	-0.27	0.098	0.21	1 MS.Trt_vs_MS.NoTrt_B
ZNF675	1.17E-04	0.87316	0.795	0.92	1 MS.Trt_vs_MS.NoTrt_B
MAP2K2	1.19E-04	0.2753	0.547	0.72	1 MS.Trt_vs_MS.NoTrt_B
ASAH1	1.20E-04	-0.31	0.595	0.76	1 MS.Trt_vs_MS.NoTrt_B
SMARCE1	1.20E-04	0.47236	0.373	0.55	1 MS.Trt_vs_MS.NoTrt_B
BFAR	1.20E-04	-0.9003	0.431	0.58	1 MS.Trt_vs_MS.NoTrt_B
SPATA20	1.20E-04	-0.4657	0.048	0.14	1 MS.Trt_vs_MS.NoTrt_B
VPS13D	1.21E-04	0.44909	0.187	0.34	1 MS.Trt_vs_MS.NoTrt_B
SRSF6	1.21E-04	0.56602	0.597	0.75	1 MS.Trt_vs_MS.NoTrt_B
FMR1	1.21E-04	-0.4519	0.063	0.16	1 MS.Trt_vs_MS.NoTrt_B

CLTA	1.22E-04	-0.6571	0.499	0.64	1	MS.Trt_vs_MS.NoTrt_B
KPNA6	1.23E-04	0.33003	0.399	0.6	1	MS.Trt_vs_MS.NoTrt_B
PTCD2	1.23E-04	0.63103	0.388	0.61	1	MS.Trt_vs_MS.NoTrt_B
SSB	1.23E-04	0.51471	0.641	0.81	1	MS.Trt_vs_MS.NoTrt_B
QRSL1	1.24E-04	0.99242	0.407	0.6	1	MS.Trt_vs_MS.NoTrt_B
CREG1	1.25E-04	-0.2972	0.19	0.34	1	MS.Trt_vs_MS.NoTrt_B
EPPIN	1.26E-04	0.42415	0.277	0.47	1	MS.Trt_vs_MS.NoTrt_B
SUPT5H	1.27E-04	-0.274	0.316	0.48	1	MS.Trt_vs_MS.NoTrt_B
KAT6A	1.27E-04	-0.4704	0.614	0.82	1	MS.Trt_vs_MS.NoTrt_B
ZNF587	1.28E-04	0.40264	0.837	0.95	1	MS.Trt_vs_MS.NoTrt_B
CAPS2	1.28E-04	-0.3539	0.288	0.46	1	MS.Trt_vs_MS.NoTrt_B
TRIM16	1.28E-04	-0.9621	0.353	0.48	1	MS.Trt_vs_MS.NoTrt_B
POU5F2	1.28E-04	0.38682	0.512	0.68	1	MS.Trt_vs_MS.NoTrt_B
HAUS1	1.29E-04	-0.7993	0.455	0.62	1	MS.Trt_vs_MS.NoTrt_B
GPN2	1.29E-04	-0.3038	0.651	0.76	1	MS.Trt_vs_MS.NoTrt_B
ALDH16A1	1.29E-04	-0.297	0.516	0.71	1	MS.Trt_vs_MS.NoTrt_B
SDE2	1.29E-04	-0.2748	0.534	0.71	1	MS.Trt_vs_MS.NoTrt_B
SYS1	1.29E-04	-0.5987	0.351	0.52	1	MS.Trt_vs_MS.NoTrt_B
ENTPD3	1.30E-04	-0.34	0.242	0.4	1	MS.Trt_vs_MS.NoTrt_B
STRBP	1.32E-04	-1.0736	0.449	0.61	1	MS.Trt_vs_MS.NoTrt_B
ALKBH2	1.33E-04	-0.8524	0.24	0.39	1	MS.Trt_vs_MS.NoTrt_B
CTNS	1.34E-04	-1.422	0.083	0.18	1	MS.Trt_vs_MS.NoTrt_B
SULT1A2	1.34E-04	-0.3446	0.129	0.25	1	MS.Trt_vs_MS.NoTrt_B
ITGA10	1.34E-04	0.46815	0.344	0.54	1	MS.Trt_vs_MS.NoTrt_B
ELMO2	1.35E-04	-0.6792	0.144	0.27	1	MS.Trt_vs_MS.NoTrt_B
TMEM35B	1.35E-04	-0.2744	0.109	0.23	1	MS.Trt_vs_MS.NoTrt_B
MPPE1	1.37E-04	-0.4954	0.776	0.87	1	MS.Trt_vs_MS.NoTrt_B
PLEKHB2	1.37E-04	-0.4983	0.732	0.87	1	MS.Trt_vs_MS.NoTrt_B
PMM2	1.38E-04	-0.3066	0.573	0.73	1	MS.Trt_vs_MS.NoTrt_B
TMEM169	1.38E-04	-0.5305	0.412	0.6	1	MS.Trt_vs_MS.NoTrt_B
C12orf40	1.38E-04	-0.4062	0.163	0.3	1	MS.Trt_vs_MS.NoTrt_B
VCPIP1	1.40E-04	0.39679	0.242	0.41	1	MS.Trt_vs_MS.NoTrt_B
GIGYF2	1.41E-04	-0.2546	0.797	0.92	1	MS.Trt_vs_MS.NoTrt_B
NDC80	1.41E-04	-0.7288	0.521	0.7	1	MS.Trt_vs_MS.NoTrt_B
STX12	1.42E-04	-0.5402	0.161	0.29	1	MS.Trt_vs_MS.NoTrt_B
RNF207	1.45E-04	-0.8256	0.505	0.73	1	MS.Trt_vs_MS.NoTrt_B
ASNSD1	1.46E-04	-0.5608	0.081	0.18	1	MS.Trt_vs_MS.NoTrt_B
PHF20	1.46E-04	0.6935	0.381	0.56	1	MS.Trt_vs_MS.NoTrt_B
KCNA3	1.49E-04	-0.491	0.122	0.24	1	MS.Trt_vs_MS.NoTrt_B
PSMB2	1.50E-04	-0.4427	0.603	0.77	1	MS.Trt_vs_MS.NoTrt_B

HLA-DRB1	1.51E-04	-0.7169	0.168	0.29	1	MS.Trt_vs_MS.NoTrt_B
HARS2	1.51E-04	-0.3108	0.102	0.22	1	MS.Trt_vs_MS.NoTrt_B
YIPF1	1.51E-04	-0.3293	0.039	0.12	1	MS.Trt_vs_MS.NoTrt_B
POLR2C	1.51E-04	-0.5877	0.466	0.63	1	MS.Trt_vs_MS.NoTrt_B
ZNF134	1.53E-04	0.53452	0.126	0.25	1	MS.Trt_vs_MS.NoTrt_B
RP3-461F17	1.53E-04	-0.2709	0.139	0.26	1	MS.Trt_vs_MS.NoTrt_B
ZNF511	1.54E-04	-1.0092	0.039	0.12	1	MS.Trt_vs_MS.NoTrt_B
MIEN1	1.54E-04	-0.3452	0.076	0.18	1	MS.Trt_vs_MS.NoTrt_B
GCC2	1.54E-04	0.32542	0.636	0.83	1	MS.Trt_vs_MS.NoTrt_B
TUSC3	1.56E-04	-0.2723	0.292	0.43	1	MS.Trt_vs_MS.NoTrt_B
ST7	1.57E-04	-0.8246	0.031	0.1	1	MS.Trt_vs_MS.NoTrt_B
TERF2IP	1.58E-04	-0.4802	0.255	0.4	1	MS.Trt_vs_MS.NoTrt_B
CEP170	1.58E-04	0.59115	0.442	0.63	1	MS.Trt_vs_MS.NoTrt_B
TRIM59	1.58E-04	0.2944	0.747	0.91	1	MS.Trt_vs_MS.NoTrt_B
CMTM3	1.58E-04	-0.4135	0.098	0.21	1	MS.Trt_vs_MS.NoTrt_B
FOXO3	1.59E-04	-0.7582	0.292	0.43	1	MS.Trt_vs_MS.NoTrt_B
RCC1	1.61E-04	-0.6662	0.109	0.23	1	MS.Trt_vs_MS.NoTrt_B
MMAB	1.61E-04	0.66416	0.473	0.67	1	MS.Trt_vs_MS.NoTrt_B
RPS10	1.62E-04	-0.5935	0.046	0.13	1	MS.Trt_vs_MS.NoTrt_B
MUTYH	1.63E-04	-0.3844	0.425	0.58	1	MS.Trt_vs_MS.NoTrt_B
H2AFJ	1.63E-04	-0.7574	0.076	0.17	1	MS.Trt_vs_MS.NoTrt_B
NAA16	1.64E-04	0.28413	0.272	0.43	1	MS.Trt_vs_MS.NoTrt_B
SUB1	1.67E-04	0.38681	0.447	0.65	1	MS.Trt_vs_MS.NoTrt_B
SNX2	1.67E-04	-0.2678	0.473	0.62	1	MS.Trt_vs_MS.NoTrt_B
RABL2A	1.67E-04	-0.4257	0.418	0.56	1	MS.Trt_vs_MS.NoTrt_B
MSI2	1.68E-04	0.28626	0.719	0.85	1	MS.Trt_vs_MS.NoTrt_B
STAT1	1.69E-04	-0.2701	0.349	0.5	1	MS.Trt_vs_MS.NoTrt_B
SMPD3	1.70E-04	-0.6462	0.532	0.76	1	MS.Trt_vs_MS.NoTrt_B
SUV39H2	1.70E-04	-0.4065	0.309	0.48	1	MS.Trt_vs_MS.NoTrt_B
AREL1	1.71E-04	-0.551	0.349	0.51	1	MS.Trt_vs_MS.NoTrt_B
DSTYK	1.72E-04	-0.9073	0.656	0.85	1	MS.Trt_vs_MS.NoTrt_B
PAM	1.72E-04	-0.9612	0.216	0.35	1	MS.Trt_vs_MS.NoTrt_B
NDUFA13	1.75E-04	0.29314	0.412	0.62	1	MS.Trt_vs_MS.NoTrt_B
ERCC3	1.75E-04	-0.2776	0.288	0.43	1	MS.Trt_vs_MS.NoTrt_B
TEP1	1.78E-04	0.40629	0.305	0.49	1	MS.Trt_vs_MS.NoTrt_B
FAM216B	1.78E-04	-0.2794	0.115	0.23	1	MS.Trt_vs_MS.NoTrt_B
SNAP47	1.79E-04	-1.0824	0.076	0.17	1	MS.Trt_vs_MS.NoTrt_B
MTHFSD	1.79E-04	-1.2298	0.037	0.11	1	MS.Trt_vs_MS.NoTrt_B
LSM3	1.80E-04	0.32269	0.423	0.6	1	MS.Trt_vs_MS.NoTrt_B
HNRNPDL	1.81E-04	0.25902	0.495	0.71	1	MS.Trt_vs_MS.NoTrt_B



NARS	1.85E-04	-0.4014	0.118	0.23	1	MS.Trt_vs_MS.NoTrt_B
LUZP1	1.86E-04	-0.3228	0.344	0.49	1	MS.Trt_vs_MS.NoTrt_B
C2orf74	1.88E-04	-0.2929	0.32	0.5	1	MS.Trt_vs_MS.NoTrt_B
IRF1	1.89E-04	-0.386	0.791	0.93	1	MS.Trt_vs_MS.NoTrt_B
LATS1	1.90E-04	0.33706	0.525	0.74	1	MS.Trt_vs_MS.NoTrt_B
TBC1D9B	1.92E-04	-0.8392	0.351	0.51	1	MS.Trt_vs_MS.NoTrt_B
SPAG4	1.92E-04	-0.2594	0.163	0.3	1	MS.Trt_vs_MS.NoTrt_B
SIK2	1.93E-04	-0.2615	0.527	0.68	1	MS.Trt_vs_MS.NoTrt_B
NSMCE2	1.94E-04	-0.4107	0.414	0.61	1	MS.Trt_vs_MS.NoTrt_B
SLC30A9	1.94E-04	-0.4363	0.386	0.53	1	MS.Trt_vs_MS.NoTrt_B
PTBP2	1.94E-04	0.65918	0.471	0.65	1	MS.Trt_vs_MS.NoTrt_B
SAP30BP	1.94E-04	-0.5285	0.163	0.29	1	MS.Trt_vs_MS.NoTrt_B
MAPK1IP1L	1.95E-04	0.3952	0.684	0.87	1	MS.Trt_vs_MS.NoTrt_B
ULBP3	1.95E-04	-0.44	0.405	0.59	1	MS.Trt_vs_MS.NoTrt_B
ACAN	1.95E-04	-0.5221	0.192	0.34	1	MS.Trt_vs_MS.NoTrt_B
ANKRD36C	1.96E-04	0.42511	0.477	0.65	1	MS.Trt_vs_MS.NoTrt_B
ACYP2	1.98E-04	-0.3732	0.466	0.61	1	MS.Trt_vs_MS.NoTrt_B
TNKS	1.99E-04	-0.3426	0.66	0.82	1	MS.Trt_vs_MS.NoTrt_B
SPTSSA	1.99E-04	-0.3504	0.244	0.39	1	MS.Trt_vs_MS.NoTrt_B
PPIL2	1.99E-04	-0.6443	0.257	0.4	1	MS.Trt_vs_MS.NoTrt_B
RARS2	2.00E-04	-0.4864	0.453	0.62	1	MS.Trt_vs_MS.NoTrt_B
SLC20A1	2.00E-04	-0.7844	0.107	0.22	1	MS.Trt_vs_MS.NoTrt_B
HDHD3	2.02E-04	-0.5933	0.115	0.23	1	MS.Trt_vs_MS.NoTrt_B
STK16	2.03E-04	-1.6114	0.035	0.11	1	MS.Trt_vs_MS.NoTrt_B
INTS1	2.03E-04	-0.7476	0.24	0.37	1	MS.Trt_vs_MS.NoTrt_B
KLRG1	2.03E-04	0.48454	0.246	0.42	1	MS.Trt_vs_MS.NoTrt_B
TSSC1	2.04E-04	-0.5917	0.068	0.16	1	MS.Trt_vs_MS.NoTrt_B
C1orf131	2.05E-04	-0.2882	0.488	0.67	1	MS.Trt_vs_MS.NoTrt_B
C21orf59	2.05E-04	-0.509	0.283	0.42	1	MS.Trt_vs_MS.NoTrt_B
ACOX3	2.05E-04	-1.8325	0.041	0.12	1	MS.Trt_vs_MS.NoTrt_B
UPK3B	2.08E-04	-0.2827	0.065	0.16	1	MS.Trt_vs_MS.NoTrt_B
PMVK	2.08E-04	-0.5064	0.074	0.17	1	MS.Trt_vs_MS.NoTrt_B
ACSL5	2.09E-04	-0.3493	0.098	0.21	1	MS.Trt_vs_MS.NoTrt_B
WDR3	2.09E-04	0.34163	0.56	0.73	1	MS.Trt_vs_MS.NoTrt_B
DNAJB14	2.11E-04	0.33428	0.375	0.52	1	MS.Trt_vs_MS.NoTrt_B
CCDC28A	2.13E-04	-0.2955	0.135	0.25	1	MS.Trt_vs_MS.NoTrt_B
RTCB	2.13E-04	-0.4811	0.109	0.22	1	MS.Trt_vs_MS.NoTrt_B
ZNF555	2.14E-04	0.95589	0.438	0.61	1	MS.Trt_vs_MS.NoTrt_B
LA16c-431H	2.15E-04	-0.366	0.416	0.57	1	MS.Trt_vs_MS.NoTrt_B
PIGQ	2.15E-04	-0.7694	0.309	0.44	1	MS.Trt_vs_MS.NoTrt_B

CDK5RAP1	2.16E-04	-0.6052	0.246	0.4	1	MS.Trt_vs_MS.NoTrt_B
CHDH	2.17E-04	-0.486	0.366	0.51	1	MS.Trt_vs_MS.NoTrt_B
CNIH4	2.18E-04	0.72241	0.423	0.62	1	MS.Trt_vs_MS.NoTrt_B
EEF2KMT	2.19E-04	-1.0011	0.041	0.12	1	MS.Trt_vs_MS.NoTrt_B
GGNBP2	2.20E-04	0.47041	0.595	0.76	1	MS.Trt_vs_MS.NoTrt_B
ANTXR2	2.20E-04	-0.4906	0.553	0.67	1	MS.Trt_vs_MS.NoTrt_B
SLC35F6	2.21E-04	-0.3233	0.632	0.81	1	MS.Trt_vs_MS.NoTrt_B
FBL	2.21E-04	-0.4071	0.342	0.5	1	MS.Trt_vs_MS.NoTrt_B
ERO1A	2.22E-04	0.34905	0.786	0.92	1	MS.Trt_vs_MS.NoTrt_B
HNRNPH2	2.23E-04	-0.6113	0.129	0.24	1	MS.Trt_vs_MS.NoTrt_B
VAPB	2.23E-04	-0.4491	0.148	0.27	1	MS.Trt_vs_MS.NoTrt_B
PDCL	2.24E-04	-0.4655	0.29	0.44	1	MS.Trt_vs_MS.NoTrt_B
LPXN	2.25E-04	-0.4935	0.279	0.41	1	MS.Trt_vs_MS.NoTrt_B
TRDMT1	2.25E-04	0.3446	0.538	0.74	1	MS.Trt_vs_MS.NoTrt_B
MAP3K14	2.26E-04	-0.4541	0.113	0.23	1	MS.Trt_vs_MS.NoTrt_B
BCKDHB	2.26E-04	0.68991	0.479	0.65	1	MS.Trt_vs_MS.NoTrt_B
EREG	2.26E-04	0.93321	0.599	0.78	1	MS.Trt_vs_MS.NoTrt_B
TCTA	2.27E-04	-0.4839	0.434	0.61	1	MS.Trt_vs_MS.NoTrt_B
AARS2	2.30E-04	-1.525	0.275	0.42	1	MS.Trt_vs_MS.NoTrt_B
TTC39C	2.31E-04	0.30475	0.756	0.9	1	MS.Trt_vs_MS.NoTrt_B
KLHDC3	2.33E-04	-0.5304	0.105	0.22	1	MS.Trt_vs_MS.NoTrt_B
TMEM241	2.33E-04	-0.6663	0.479	0.67	1	MS.Trt_vs_MS.NoTrt_B
DDX23	2.34E-04	-0.537	0.519	0.68	1	MS.Trt_vs_MS.NoTrt_B
CRY1	2.35E-04	-0.6959	0.081	0.18	1	MS.Trt_vs_MS.NoTrt_B
ZFAND3	2.36E-04	-0.5333	0.503	0.67	1	MS.Trt_vs_MS.NoTrt_B
STARD7	2.37E-04	-0.5403	0.425	0.58	1	MS.Trt_vs_MS.NoTrt_B
ICK	2.38E-04	0.86509	0.142	0.27	1	MS.Trt_vs_MS.NoTrt_B
PTBP1	2.39E-04	-0.434	0.163	0.29	1	MS.Trt_vs_MS.NoTrt_B
UQCR10	2.40E-04	0.49709	0.279	0.45	1	MS.Trt_vs_MS.NoTrt_B
ZNF91	2.40E-04	0.53243	0.643	0.79	1	MS.Trt_vs_MS.NoTrt_B
DHRS12	2.43E-04	-0.2753	0.061	0.15	1	MS.Trt_vs_MS.NoTrt_B
ZFP64	2.43E-04	-0.5818	0.46	0.62	1	MS.Trt_vs_MS.NoTrt_B
SNX8	2.45E-04	0.63902	0.063	0.16	1	MS.Trt_vs_MS.NoTrt_B
SNRPG	2.45E-04	0.56464	0.2	0.36	1	MS.Trt_vs_MS.NoTrt_B
TNFRSF18	2.46E-04	-0.7741	0.041	0.12	1	MS.Trt_vs_MS.NoTrt_B
NARF	2.47E-04	-0.5907	0.871	0.97	1	MS.Trt_vs_MS.NoTrt_B
FAM219B	2.47E-04	-0.55	0.349	0.52	1	MS.Trt_vs_MS.NoTrt_B
PCNP	2.47E-04	0.71591	0.2	0.35	1	MS.Trt_vs_MS.NoTrt_B
RRAGC	2.48E-04	-0.272	0.386	0.58	1	MS.Trt_vs_MS.NoTrt_B
TMEM161A	2.48E-04	-0.8716	0.107	0.22	1	MS.Trt_vs_MS.NoTrt_B

PRDM15	2.50E-04	-0.4225	0.434	0.64	1 MS.Trt_vs_MS.NoTrt_B
ECT2L	2.51E-04	-0.4051	0.216	0.36	1 MS.Trt_vs_MS.NoTrt_B
CUL3	2.52E-04	0.40144	0.288	0.46	1 MS.Trt_vs_MS.NoTrt_B
TRMT2B	2.53E-04	-0.3877	0.492	0.68	1 MS.Trt_vs_MS.NoTrt_B
ZNF397	2.53E-04	-0.4213	0.904	0.96	1 MS.Trt_vs_MS.NoTrt_B
MIF4GD	2.53E-04	-1.028	0.063	0.15	1 MS.Trt_vs_MS.NoTrt_B
TMX2	2.54E-04	-0.374	0.065	0.16	1 MS.Trt_vs_MS.NoTrt_B
FAM20B	2.54E-04	-1.1951	0.416	0.62	1 MS.Trt_vs_MS.NoTrt_B
GBA	2.55E-04	-0.6729	0.336	0.5	1 MS.Trt_vs_MS.NoTrt_B
PATZ1	2.55E-04	0.30064	0.092	0.2	1 MS.Trt_vs_MS.NoTrt_B
SRRM1	2.55E-04	0.29309	0.747	0.93	1 MS.Trt_vs_MS.NoTrt_B
POLR2G	2.58E-04	-0.3042	0.15	0.28	1 MS.Trt_vs_MS.NoTrt_B
CPD	2.58E-04	0.34645	0.536	0.74	1 MS.Trt_vs_MS.NoTrt_B
ZBTB33	2.58E-04	-0.5055	0.041	0.12	1 MS.Trt_vs_MS.NoTrt_B
C17orf51	2.58E-04	0.32744	0.296	0.47	1 MS.Trt_vs_MS.NoTrt_B
ATP6V1E1	2.61E-04	-0.4526	0.471	0.66	1 MS.Trt_vs_MS.NoTrt_B
TKT	2.61E-04	-0.3367	0.477	0.61	1 MS.Trt_vs_MS.NoTrt_B
LPO	2.61E-04	-0.3849	0.455	0.62	1 MS.Trt_vs_MS.NoTrt_B
TTC14	2.66E-04	0.71834	0.294	0.46	1 MS.Trt_vs_MS.NoTrt_B
ZNF549	2.67E-04	0.72904	0.538	0.7	1 MS.Trt_vs_MS.NoTrt_B
CGRRF1	2.69E-04	0.31896	0.216	0.35	1 MS.Trt_vs_MS.NoTrt_B
ZNF66	2.70E-04	0.52855	0.488	0.69	1 MS.Trt_vs_MS.NoTrt_B
HPRT1	2.70E-04	-0.5057	0.087	0.19	1 MS.Trt_vs_MS.NoTrt_B
DCAF12	2.72E-04	-1.0465	0.057	0.14	1 MS.Trt_vs_MS.NoTrt_B
NFYB	2.75E-04	0.7574	0.207	0.34	1 MS.Trt_vs_MS.NoTrt_B
UROS	2.77E-04	-1.0152	0.338	0.49	1 MS.Trt_vs_MS.NoTrt_B
AKR7A2	2.78E-04	-0.4054	0.098	0.21	1 MS.Trt_vs_MS.NoTrt_B
RAB22A	2.78E-04	0.27318	0.527	0.7	1 MS.Trt_vs_MS.NoTrt_B
PWP1	2.79E-04	-0.3259	0.124	0.24	1 MS.Trt_vs_MS.NoTrt_B
DBT	2.79E-04	-0.3398	0.682	0.85	1 MS.Trt_vs_MS.NoTrt_B
RFT1	2.83E-04	-0.5287	0.338	0.52	1 MS.Trt_vs_MS.NoTrt_B
NDUFC2	2.83E-04	0.51682	0.462	0.65	1 MS.Trt_vs_MS.NoTrt_B
OCIAD2	2.84E-04	0.53493	0.538	0.72	1 MS.Trt_vs_MS.NoTrt_B
ACP2	2.88E-04	-1.1642	0.033	0.1	1 MS.Trt_vs_MS.NoTrt_B
AP3S2	2.89E-04	-0.617	0.551	0.68	1 MS.Trt_vs_MS.NoTrt_B
GCAT	2.93E-04	0.85863	0.153	0.28	1 MS.Trt_vs_MS.NoTrt_B
DHX57	2.96E-04	0.5123	0.414	0.6	1 MS.Trt_vs_MS.NoTrt_B
PIH1D1	2.99E-04	-0.3519	0.2	0.32	1 MS.Trt_vs_MS.NoTrt_B
LDHAL6A	3.00E-04	0.25491	0.227	0.37	1 MS.Trt_vs_MS.NoTrt_B
UPF2	3.01E-04	-0.3275	0.183	0.32	1 MS.Trt_vs_MS.NoTrt_B

CHFR	3.03E-04	-0.3448	0.817	0.94	1 MS.Trt_vs_MS.NoTrt_B
WDR70	3.03E-04	-0.7845	0.214	0.35	1 MS.Trt_vs_MS.NoTrt_B
ZNF106	3.03E-04	0.29207	0.717	0.84	1 MS.Trt_vs_MS.NoTrt_B
DUSP22	3.04E-04	-0.4972	0.063	0.15	1 MS.Trt_vs_MS.NoTrt_B
FAM134C	3.04E-04	-0.3819	0.475	0.62	1 MS.Trt_vs_MS.NoTrt_B
CEP68	3.05E-04	-0.5961	0.431	0.58	1 MS.Trt_vs_MS.NoTrt_B
ARRDC5	3.05E-04	-0.6219	0.072	0.17	1 MS.Trt_vs_MS.NoTrt_B
ZNF550	3.06E-04	-0.3032	0.198	0.33	1 MS.Trt_vs_MS.NoTrt_B
FKBP3	3.06E-04	0.72327	0.242	0.38	1 MS.Trt_vs_MS.NoTrt_B
PEPD	3.07E-04	-1.0709	0.094	0.19	1 MS.Trt_vs_MS.NoTrt_B
TMEM223	3.08E-04	-0.7973	0.109	0.21	1 MS.Trt_vs_MS.NoTrt_B
NSUN2	3.10E-04	-0.4553	0.529	0.72	1 MS.Trt_vs_MS.NoTrt_B
NDOR1	3.10E-04	-0.3326	0.041	0.12	1 MS.Trt_vs_MS.NoTrt_B
ADA	3.12E-04	-0.942	0.046	0.12	1 MS.Trt_vs_MS.NoTrt_B
RP11-619A1	3.14E-04	-0.3489	0.453	0.62	1 MS.Trt_vs_MS.NoTrt_B
ERN1	3.14E-04	0.31267	0.595	0.77	1 MS.Trt_vs_MS.NoTrt_B
HECA	3.19E-04	0.46444	0.44	0.61	1 MS.Trt_vs_MS.NoTrt_B
ACACA	3.24E-04	-0.6153	0.46	0.65	1 MS.Trt_vs_MS.NoTrt_B
HEMK1	3.25E-04	-0.6252	0.865	0.98	1 MS.Trt_vs_MS.NoTrt_B
WDR7	3.26E-04	-0.5254	0.266	0.41	1 MS.Trt_vs_MS.NoTrt_B
BAK1	3.28E-04	-0.9166	0.072	0.16	1 MS.Trt_vs_MS.NoTrt_B
SLC25A4	3.29E-04	0.34312	0.205	0.35	1 MS.Trt_vs_MS.NoTrt_B
PHLDA3	3.33E-04	-0.3918	0.257	0.41	1 MS.Trt_vs_MS.NoTrt_B
LY6G5B	3.33E-04	-0.4195	0.664	0.85	1 MS.Trt_vs_MS.NoTrt_B
SSR4	3.34E-04	-0.3111	0.246	0.38	1 MS.Trt_vs_MS.NoTrt_B
CRBN	3.35E-04	0.50998	0.375	0.55	1 MS.Trt_vs_MS.NoTrt_B
GOLPH3L	3.35E-04	0.27666	0.122	0.24	1 MS.Trt_vs_MS.NoTrt_B
TESC	3.38E-04	-0.4734	0.129	0.24	1 MS.Trt_vs_MS.NoTrt_B
ZDHHC4	3.39E-04	-0.2765	0.294	0.45	1 MS.Trt_vs_MS.NoTrt_B
SCAPER	3.40E-04	-0.3402	0.172	0.3	1 MS.Trt_vs_MS.NoTrt_B
TMEM156	3.40E-04	0.50621	0.617	0.81	1 MS.Trt_vs_MS.NoTrt_B
PDP2	3.41E-04	-0.5151	0.682	0.87	1 MS.Trt_vs_MS.NoTrt_B
CDC16	3.41E-04	-0.3347	0.1	0.2	1 MS.Trt_vs_MS.NoTrt_B
ITPK1	3.44E-04	0.26102	0.464	0.65	1 MS.Trt_vs_MS.NoTrt_B
MYO1F	3.44E-04	-0.3143	0.745	0.85	1 MS.Trt_vs_MS.NoTrt_B
RRN3	3.45E-04	-0.6259	0.196	0.32	1 MS.Trt_vs_MS.NoTrt_B
RBM25	3.46E-04	0.27714	0.462	0.64	1 MS.Trt_vs_MS.NoTrt_B
BRWD1	3.47E-04	0.57644	0.68	0.85	1 MS.Trt_vs_MS.NoTrt_B
ZBTB46	3.47E-04	0.49652	0.052	0.14	1 MS.Trt_vs_MS.NoTrt_B
PRRT3	3.49E-04	0.47215	0.231	0.37	1 MS.Trt_vs_MS.NoTrt_B

NAMPT	3.49E-04	-0.4515	0.56	0.71	1	MS.Trt_vs_MS.NoTrt_B
PET100	3.51E-04	0.40638	0.527	0.7	1	MS.Trt_vs_MS.NoTrt_B
LRRC37A	3.53E-04	0.50331	0.294	0.44	1	MS.Trt_vs_MS.NoTrt_B
PCDHGA8	3.54E-04	-0.7178	0.458	0.58	1	MS.Trt_vs_MS.NoTrt_B
RHNO1	3.59E-04	-0.8567	0.542	0.68	1	MS.Trt_vs_MS.NoTrt_B
GPR89B	3.61E-04	-0.6495	0.251	0.38	1	MS.Trt_vs_MS.NoTrt_B
CBR1	3.61E-04	-0.4544	0.052	0.14	1	MS.Trt_vs_MS.NoTrt_B
ESR2	3.62E-04	-0.2931	0.418	0.59	1	MS.Trt_vs_MS.NoTrt_B
HAGH	3.64E-04	-0.592	0.612	0.77	1	MS.Trt_vs_MS.NoTrt_B
OXR1	3.65E-04	-0.4522	0.057	0.14	1	MS.Trt_vs_MS.NoTrt_B
FAM50A	3.68E-04	-0.5585	0.068	0.16	1	MS.Trt_vs_MS.NoTrt_B
FAM78A	3.69E-04	-0.3078	0.255	0.4	1	MS.Trt_vs_MS.NoTrt_B
LRRC58	3.71E-04	-0.3261	0.597	0.73	1	MS.Trt_vs_MS.NoTrt_B
ABCB7	3.75E-04	0.53687	0.519	0.7	1	MS.Trt_vs_MS.NoTrt_B
GLTSCR1L	3.75E-04	0.36241	0.115	0.23	1	MS.Trt_vs_MS.NoTrt_B
HBG2	3.76E-04	1.5617	0.318	0.48	1	MS.Trt_vs_MS.NoTrt_B
SMAD9	3.79E-04	-0.6493	0.246	0.37	1	MS.Trt_vs_MS.NoTrt_B
SP2	3.80E-04	0.60419	0.22	0.37	1	MS.Trt_vs_MS.NoTrt_B
HAUS6	3.80E-04	0.29234	0.22	0.36	1	MS.Trt_vs_MS.NoTrt_B
SH3BGRL	3.81E-04	0.34983	0.272	0.44	1	MS.Trt_vs_MS.NoTrt_B
PPM1K	3.83E-04	-0.6113	0.819	0.89	1	MS.Trt_vs_MS.NoTrt_B
ZNF561	3.83E-04	-0.7292	0.399	0.55	1	MS.Trt_vs_MS.NoTrt_B
ATP8B2	3.83E-04	-0.2666	0.71	0.83	1	MS.Trt_vs_MS.NoTrt_B
DUS3L	3.87E-04	-0.4694	0.083	0.18	1	MS.Trt_vs_MS.NoTrt_B
FCRL5	3.89E-04	0.39463	0.288	0.46	1	MS.Trt_vs_MS.NoTrt_B
C6orf1	3.89E-04	-0.6823	0.061	0.15	1	MS.Trt_vs_MS.NoTrt_B
MRPL16	3.91E-04	0.40098	0.107	0.22	1	MS.Trt_vs_MS.NoTrt_B
GAB3	3.91E-04	1.53365	0.229	0.39	1	MS.Trt_vs_MS.NoTrt_B
CLDN19	3.92E-04	-0.3854	0.155	0.28	1	MS.Trt_vs_MS.NoTrt_B
RPTOR	3.95E-04	0.4242	0.253	0.4	1	MS.Trt_vs_MS.NoTrt_B
NPEPL1	3.96E-04	0.3248	0.105	0.22	1	MS.Trt_vs_MS.NoTrt_B
DAD1	3.98E-04	0.37906	0.268	0.44	1	MS.Trt_vs_MS.NoTrt_B
BCL7B	4.00E-04	-0.556	0.37	0.51	1	MS.Trt_vs_MS.NoTrt_B
QSOX2	4.03E-04	0.38543	0.085	0.18	1	MS.Trt_vs_MS.NoTrt_B
SLC38A9	4.07E-04	0.755	0.285	0.45	1	MS.Trt_vs_MS.NoTrt_B
PPP1R10	4.09E-04	-0.4175	0.353	0.5	1	MS.Trt_vs_MS.NoTrt_B
HPF1	4.10E-04	0.33686	0.063	0.15	1	MS.Trt_vs_MS.NoTrt_B
HSP90AB1	4.11E-04	-0.2807	0.412	0.56	1	MS.Trt_vs_MS.NoTrt_B
USP25	4.15E-04	0.82299	0.357	0.54	1	MS.Trt_vs_MS.NoTrt_B
SRD5A1	4.15E-04	-0.7753	0.466	0.68	1	MS.Trt_vs_MS.NoTrt_B

TNFAIP8	4.15E-04	0.27799	0.732	0.88	1	MS.Trt_vs_MS.NoTrt_B
GNG2	4.21E-04	0.26097	0.244	0.38	1	MS.Trt_vs_MS.NoTrt_B
PPP4R2	4.22E-04	0.25962	0.283	0.44	1	MS.Trt_vs_MS.NoTrt_B
CDADC1	4.23E-04	-0.3418	0.05	0.13	1	MS.Trt_vs_MS.NoTrt_B
ZNF395	4.26E-04	0.67289	0.425	0.61	1	MS.Trt_vs_MS.NoTrt_B
GPR137	4.28E-04	-0.7604	0.135	0.25	1	MS.Trt_vs_MS.NoTrt_B
BEAN1	4.36E-04	0.75769	0.29	0.46	1	MS.Trt_vs_MS.NoTrt_B
POLE3	4.39E-04	-0.3403	0.179	0.3	1	MS.Trt_vs_MS.NoTrt_B
LRP10	4.40E-04	0.30262	0.63	0.8	1	MS.Trt_vs_MS.NoTrt_B
RASGRP4	4.42E-04	-0.6315	0.351	0.5	1	MS.Trt_vs_MS.NoTrt_B
RPL26	4.44E-04	-0.2644	0.806	0.92	1	MS.Trt_vs_MS.NoTrt_B
SLC25A53	4.44E-04	0.72408	0.32	0.47	1	MS.Trt_vs_MS.NoTrt_B
PRAMEF1	4.46E-04	0.79202	0.041	0.12	1	MS.Trt_vs_MS.NoTrt_B
IKBKE	4.50E-04	-0.6164	0.218	0.35	1	MS.Trt_vs_MS.NoTrt_B
LRRC37A2	4.55E-04	0.25951	0.566	0.76	1	MS.Trt_vs_MS.NoTrt_B
FAM84B	4.56E-04	-0.5743	0.044	0.12	1	MS.Trt_vs_MS.NoTrt_B
PIP5K1A	4.56E-04	-0.7631	0.386	0.54	1	MS.Trt_vs_MS.NoTrt_B
AFDN	4.60E-04	-0.5612	0.044	0.12	1	MS.Trt_vs_MS.NoTrt_B
SPOP	4.64E-04	-0.2539	0.893	0.98	1	MS.Trt_vs_MS.NoTrt_B
STAM2	4.64E-04	-0.396	0.416	0.58	1	MS.Trt_vs_MS.NoTrt_B
ARMC1	4.67E-04	-0.3314	0.065	0.15	1	MS.Trt_vs_MS.NoTrt_B
CHRNA6	4.68E-04	-0.6664	0.318	0.5	1	MS.Trt_vs_MS.NoTrt_B
C16orf62	4.69E-04	-0.326	0.902	0.99	1	MS.Trt_vs_MS.NoTrt_B
C9orf3	4.73E-04	-0.3471	0.536	0.73	1	MS.Trt_vs_MS.NoTrt_B
PLA2G12A	4.75E-04	0.26127	0.473	0.65	1	MS.Trt_vs_MS.NoTrt_B
IFT57	0.00048	-0.8521	0.048	0.12	1	MS.Trt_vs_MS.NoTrt_B
SFXN1	4.83E-04	0.33816	0.654	0.82	1	MS.Trt_vs_MS.NoTrt_B
KCNN4	4.85E-04	-0.3162	0.115	0.22	1	MS.Trt_vs_MS.NoTrt_B
C5orf45	4.85E-04	-0.3475	0.767	0.91	1	MS.Trt_vs_MS.NoTrt_B
HUS1	4.88E-04	0.48474	0.368	0.52	1	MS.Trt_vs_MS.NoTrt_B
RMDN1	4.89E-04	0.36017	0.584	0.74	1	MS.Trt_vs_MS.NoTrt_B
ATP5H	4.91E-04	0.58439	0.636	0.78	1	MS.Trt_vs_MS.NoTrt_B
NNT	4.96E-04	-0.721	0.495	0.63	1	MS.Trt_vs_MS.NoTrt_B
PLEKHM3	4.99E-04	-0.4943	0.475	0.63	1	MS.Trt_vs_MS.NoTrt_B
WWP1	5.01E-04	0.64246	0.322	0.51	1	MS.Trt_vs_MS.NoTrt_B
RABGGTA	5.05E-04	-0.4508	0.072	0.16	1	MS.Trt_vs_MS.NoTrt_B
HIVEP1	5.09E-04	0.79415	0.527	0.73	1	MS.Trt_vs_MS.NoTrt_B
FBXO22	5.09E-04	0.51422	0.619	0.81	1	MS.Trt_vs_MS.NoTrt_B
KRCC1	5.11E-04	-0.4177	0.072	0.16	1	MS.Trt_vs_MS.NoTrt_B
ULK4	5.12E-04	-0.3896	0.211	0.35	1	MS.Trt_vs_MS.NoTrt_B

PARVB	5.19E-04	-0.4402	0.551	0.7	1 MS.Trt_vs_MS.NoTrt_B
KLRD1	5.21E-04	0.30715	0.874	0.98	1 MS.Trt_vs_MS.NoTrt_B
PIGN	5.24E-04	0.63351	0.414	0.6	1 MS.Trt_vs_MS.NoTrt_B
PTRHD1	5.25E-04	-0.4011	0.198	0.32	1 MS.Trt_vs_MS.NoTrt_B
RNGTT	5.28E-04	-0.3394	0.259	0.39	1 MS.Trt_vs_MS.NoTrt_B
ZNF639	5.29E-04	0.30017	0.756	0.93	1 MS.Trt_vs_MS.NoTrt_B
HEBP1	5.30E-04	-0.5919	0.153	0.27	1 MS.Trt_vs_MS.NoTrt_B
APOA2	5.30E-04	-0.3549	0.176	0.29	1 MS.Trt_vs_MS.NoTrt_B
ZNF74	5.31E-04	-0.3306	0.316	0.47	1 MS.Trt_vs_MS.NoTrt_B
EDC3	5.32E-04	-0.2874	0.266	0.41	1 MS.Trt_vs_MS.NoTrt_B
FCHSD1	5.35E-04	-0.4878	0.222	0.35	1 MS.Trt_vs_MS.NoTrt_B
MUC15	5.35E-04	-0.3134	0.081	0.17	1 MS.Trt_vs_MS.NoTrt_B
INPP5K	5.37E-04	-0.5711	0.412	0.55	1 MS.Trt_vs_MS.NoTrt_B
LIG1	5.38E-04	-0.5129	0.115	0.22	1 MS.Trt_vs_MS.NoTrt_B
TMEM184C	5.42E-04	0.29086	0.414	0.58	1 MS.Trt_vs_MS.NoTrt_B
SPATA4	5.42E-04	0.27362	0.492	0.36	1 MS.Trt_vs_MS.NoTrt_B
SLC30A7	5.44E-04	0.47325	0.473	0.64	1 MS.Trt_vs_MS.NoTrt_B
DNAJB6	5.45E-04	-0.3144	0.486	0.6	1 MS.Trt_vs_MS.NoTrt_B
BCAP31	5.46E-04	-0.2803	0.124	0.24	1 MS.Trt_vs_MS.NoTrt_B
RABGAP1	5.48E-04	-0.6092	0.292	0.44	1 MS.Trt_vs_MS.NoTrt_B
BROX	5.48E-04	0.43356	0.516	0.67	1 MS.Trt_vs_MS.NoTrt_B
PRAF2	5.51E-04	-0.5182	0.054	0.14	1 MS.Trt_vs_MS.NoTrt_B
NMT2	5.53E-04	-0.6611	0.815	0.92	1 MS.Trt_vs_MS.NoTrt_B
UTY	5.54E-04	-2.3705	0.349	0.47	1 MS.Trt_vs_MS.NoTrt_B
EIF4A3	5.57E-04	-0.5828	0.564	0.71	1 MS.Trt_vs_MS.NoTrt_B
FARSA	5.62E-04	-0.4842	0.092	0.19	1 MS.Trt_vs_MS.NoTrt_B
FAM234A	5.62E-04	-0.6088	0.161	0.28	1 MS.Trt_vs_MS.NoTrt_B
NRROS	5.66E-04	-1.043	0.07	0.16	1 MS.Trt_vs_MS.NoTrt_B
ZNF682	5.66E-04	-0.7642	0.283	0.42	1 MS.Trt_vs_MS.NoTrt_B
PTTG1	5.68E-04	-0.2803	0.072	0.16	1 MS.Trt_vs_MS.NoTrt_B
PHRF1	5.68E-04	-0.723	0.087	0.18	1 MS.Trt_vs_MS.NoTrt_B
TMEM167A	5.69E-04	0.28192	0.279	0.43	1 MS.Trt_vs_MS.NoTrt_B
PRDX6	5.69E-04	-0.4046	0.129	0.24	1 MS.Trt_vs_MS.NoTrt_B
VPS16	5.69E-04	-0.8383	0.074	0.16	1 MS.Trt_vs_MS.NoTrt_B
MRPL21	5.69E-04	-0.6542	0.074	0.16	1 MS.Trt_vs_MS.NoTrt_B
C19orf47	5.75E-04	-0.3614	0.355	0.51	1 MS.Trt_vs_MS.NoTrt_B
MDH1	5.76E-04	0.48984	0.488	0.69	1 MS.Trt_vs_MS.NoTrt_B
EME2	5.76E-04	0.27303	0.19	0.32	1 MS.Trt_vs_MS.NoTrt_B
RGMB	5.76E-04	-1.1294	0.052	0.13	1 MS.Trt_vs_MS.NoTrt_B
SMG5	5.80E-04	-0.4177	0.085	0.18	1 MS.Trt_vs_MS.NoTrt_B

PIGK	5.81E-04	0.33894	0.061	0.15	1	MS.Trt_vs_MS.NoTrt_B
HEATR3	5.84E-04	-0.5378	0.468	0.68	1	MS.Trt_vs_MS.NoTrt_B
POLM	5.84E-04	-0.4621	0.397	0.55	1	MS.Trt_vs_MS.NoTrt_B
SURF6	5.86E-04	-0.422	0.379	0.56	1	MS.Trt_vs_MS.NoTrt_B
PKNOX1	5.90E-04	-0.2769	0.632	0.72	1	MS.Trt_vs_MS.NoTrt_B
PEX11A	5.90E-04	0.81995	0.447	0.63	1	MS.Trt_vs_MS.NoTrt_B
ATG12	5.93E-04	0.34934	0.649	0.78	1	MS.Trt_vs_MS.NoTrt_B
RNF4	5.94E-04	0.38924	0.673	0.77	1	MS.Trt_vs_MS.NoTrt_B
PHB	5.95E-04	-0.3577	0.105	0.21	1	MS.Trt_vs_MS.NoTrt_B
RP5-994D16	5.96E-04	-0.5607	0.39	0.57	1	MS.Trt_vs_MS.NoTrt_B
HLCS	5.96E-04	0.39381	0.564	0.74	1	MS.Trt_vs_MS.NoTrt_B
UBE3A	5.99E-04	0.48521	0.394	0.55	1	MS.Trt_vs_MS.NoTrt_B
YIF1B	6.00E-04	0.27074	0.499	0.67	1	MS.Trt_vs_MS.NoTrt_B
NARS2	6.03E-04	-0.3927	0.281	0.42	1	MS.Trt_vs_MS.NoTrt_B
PPARD	6.05E-04	-0.2879	0.405	0.56	1	MS.Trt_vs_MS.NoTrt_B
GEMIN4	6.06E-04	-0.2619	0.035	0.1	1	MS.Trt_vs_MS.NoTrt_B
MTRNR2L10	6.08E-04	0.38051	0.871	1	1	MS.Trt_vs_MS.NoTrt_B
HECTD4	6.09E-04	0.55056	0.521	0.69	1	MS.Trt_vs_MS.NoTrt_B
ARPC5	6.11E-04	0.4826	0.813	0.94	1	MS.Trt_vs_MS.NoTrt_B
KLHL32	6.16E-04	-0.9975	0.052	0.13	1	MS.Trt_vs_MS.NoTrt_B
GDI2	6.17E-04	0.3251	0.316	0.48	1	MS.Trt_vs_MS.NoTrt_B
SIGLEC6	6.17E-04	-0.2573	0.355	0.5	1	MS.Trt_vs_MS.NoTrt_B
SLC47A2	6.18E-04	0.47922	0.146	0.27	1	MS.Trt_vs_MS.NoTrt_B
CTNNA1	6.21E-04	-0.2959	0.44	0.63	1	MS.Trt_vs_MS.NoTrt_B
KLHL22	6.27E-04	-0.2958	0.129	0.24	1	MS.Trt_vs_MS.NoTrt_B
TOR1AIP2	6.30E-04	0.25304	0.926	0.98	1	MS.Trt_vs_MS.NoTrt_B
CRELD2	6.31E-04	-0.9285	0.466	0.61	1	MS.Trt_vs_MS.NoTrt_B
NOP56	6.34E-04	0.30628	0.316	0.47	1	MS.Trt_vs_MS.NoTrt_B
ACSS1	6.35E-04	-0.9556	0.462	0.62	1	MS.Trt_vs_MS.NoTrt_B
MICA	6.36E-04	0.31184	0.632	0.82	1	MS.Trt_vs_MS.NoTrt_B
ZNF346	6.38E-04	-0.4473	0.645	0.77	1	MS.Trt_vs_MS.NoTrt_B
CNDP2	6.38E-04	-0.4757	0.553	0.71	1	MS.Trt_vs_MS.NoTrt_B
ISY1	6.41E-04	-0.6385	0.466	0.64	1	MS.Trt_vs_MS.NoTrt_B
TFIP11	6.48E-04	-0.8697	0.346	0.51	1	MS.Trt_vs_MS.NoTrt_B
MTRNR2L12	6.49E-04	0.25455	0.985	1	1	MS.Trt_vs_MS.NoTrt_B
P4HB	6.50E-04	-0.6472	0.523	0.65	1	MS.Trt_vs_MS.NoTrt_B
LRCH3	6.50E-04	-0.2957	0.919	0.99	1	MS.Trt_vs_MS.NoTrt_B
SPON2	6.51E-04	-0.6121	0.283	0.42	1	MS.Trt_vs_MS.NoTrt_B
FEZ2	6.51E-04	-0.598	0.34	0.5	1	MS.Trt_vs_MS.NoTrt_B
SF3B5	6.55E-04	-0.3852	0.076	0.17	1	MS.Trt_vs_MS.NoTrt_B



MBTPS1	6.56E-04	-0.382	0.41	0.55	1	MS.Trt_vs_MS.NoTrt_B
CCDC127	6.61E-04	-0.5555	0.593	0.79	1	MS.Trt_vs_MS.NoTrt_B
B4GALT3	6.61E-04	-0.6203	0.113	0.22	1	MS.Trt_vs_MS.NoTrt_B
CDC42SE2	6.74E-04	0.44564	0.758	0.95	1	MS.Trt_vs_MS.NoTrt_B
TMEM126A	6.78E-04	-0.7289	0.046	0.12	1	MS.Trt_vs_MS.NoTrt_B
RCL1	6.80E-04	0.67194	0.331	0.5	1	MS.Trt_vs_MS.NoTrt_B
TWSG1	6.80E-04	-0.56	0.277	0.43	1	MS.Trt_vs_MS.NoTrt_B
PLEKHH2	6.80E-04	0.4591	0.473	0.68	1	MS.Trt_vs_MS.NoTrt_B
LCMT1	6.81E-04	0.34135	0.107	0.21	1	MS.Trt_vs_MS.NoTrt_B
PPCDC	6.83E-04	-0.7639	0.039	0.11	1	MS.Trt_vs_MS.NoTrt_B
CXorf38	6.87E-04	-0.5934	0.708	0.82	1	MS.Trt_vs_MS.NoTrt_B
SNRPA1	6.90E-04	0.34074	0.569	0.73	1	MS.Trt_vs_MS.NoTrt_B
EIF2AK1	6.91E-04	-0.5209	0.331	0.48	1	MS.Trt_vs_MS.NoTrt_B
ROCK2	6.91E-04	0.36033	0.336	0.48	1	MS.Trt_vs_MS.NoTrt_B
TDP1	7.04E-04	-0.3031	0.203	0.34	1	MS.Trt_vs_MS.NoTrt_B
ETNK1	7.07E-04	0.51919	0.379	0.57	1	MS.Trt_vs_MS.NoTrt_B
LRFN1	7.10E-04	-0.4045	0.068	0.15	1	MS.Trt_vs_MS.NoTrt_B
PTDSS1	7.11E-04	-0.2721	0.27	0.4	1	MS.Trt_vs_MS.NoTrt_B
GPATCH1	7.16E-04	-0.6819	0.266	0.38	1	MS.Trt_vs_MS.NoTrt_B
EIF2B4	7.21E-04	0.90062	0.366	0.52	1	MS.Trt_vs_MS.NoTrt_B
RP11-577H5	7.22E-04	-0.8644	0.061	0.14	1	MS.Trt_vs_MS.NoTrt_B
DYM	7.23E-04	-0.3904	0.551	0.69	1	MS.Trt_vs_MS.NoTrt_B
WDR82	7.23E-04	-0.8127	0.309	0.44	1	MS.Trt_vs_MS.NoTrt_B
RCE1	7.27E-04	-0.3781	0.052	0.13	1	MS.Trt_vs_MS.NoTrt_B
RABL2B	7.28E-04	-0.4422	0.791	0.9	1	MS.Trt_vs_MS.NoTrt_B
NDRG3	7.31E-04	-0.332	0.275	0.42	1	MS.Trt_vs_MS.NoTrt_B
VPS39	7.33E-04	0.58817	0.399	0.55	1	MS.Trt_vs_MS.NoTrt_B
NOP58	7.36E-04	0.29799	0.373	0.55	1	MS.Trt_vs_MS.NoTrt_B
FZD3	7.39E-04	0.76825	0.451	0.63	1	MS.Trt_vs_MS.NoTrt_B
ANP32A	7.41E-04	-0.3811	0.227	0.35	1	MS.Trt_vs_MS.NoTrt_B
C5AR2	7.42E-04	-0.2524	0.85	0.94	1	MS.Trt_vs_MS.NoTrt_B
IKBKB	7.45E-04	0.30002	0.739	0.87	1	MS.Trt_vs_MS.NoTrt_B
MAP4K2	7.46E-04	-0.53	0.564	0.67	1	MS.Trt_vs_MS.NoTrt_B
STX7	7.52E-04	0.49578	0.575	0.74	1	MS.Trt_vs_MS.NoTrt_B
KLHL36	7.55E-04	-0.3269	0.49	0.65	1	MS.Trt_vs_MS.NoTrt_B
MTRNR2L3	7.57E-04	-0.3446	0.285	0.17	1	MS.Trt_vs_MS.NoTrt_B
NUDT19	7.58E-04	0.58968	0.769	0.91	1	MS.Trt_vs_MS.NoTrt_B
GATAD1	7.60E-04	0.6342	0.71	0.88	1	MS.Trt_vs_MS.NoTrt_B
VCPKMT	7.61E-04	-0.3218	0.063	0.15	1	MS.Trt_vs_MS.NoTrt_B
CTD-2207O2	7.64E-04	-0.8524	0.096	0.19	1	MS.Trt_vs_MS.NoTrt_B

BMP8A	7.66E-04	-0.3016	0.453	0.62	1	MS.Trt_vs_MS.NoTrt_B
FAM60A	7.70E-04	0.73613	0.39	0.55	1	MS.Trt_vs_MS.NoTrt_B
SEC24D	7.73E-04	-0.5502	0.375	0.53	1	MS.Trt_vs_MS.NoTrt_B
MTPAP	7.73E-04	0.45921	0.691	0.89	1	MS.Trt_vs_MS.NoTrt_B
MTAP	7.77E-04	-0.3806	0.547	0.76	1	MS.Trt_vs_MS.NoTrt_B
NAV1	7.82E-04	-0.5873	0.747	0.85	1	MS.Trt_vs_MS.NoTrt_B
GPATCH2L	7.82E-04	0.26864	0.577	0.78	1	MS.Trt_vs_MS.NoTrt_B
GMIP	7.88E-04	0.68691	0.17	0.3	1	MS.Trt_vs_MS.NoTrt_B
DIAPH2	7.89E-04	0.26647	0.2	0.33	1	MS.Trt_vs_MS.NoTrt_B
DNMT1	7.91E-04	-0.2918	0.9	0.95	1	MS.Trt_vs_MS.NoTrt_B
MFHAS1	7.94E-04	-0.7977	0.037	0.1	1	MS.Trt_vs_MS.NoTrt_B
SETD6	7.95E-04	-0.2524	0.296	0.45	1	MS.Trt_vs_MS.NoTrt_B
SMYD4	7.96E-04	-0.6074	0.667	0.82	1	MS.Trt_vs_MS.NoTrt_B
GDE1	7.96E-04	-1.2399	0.172	0.29	1	MS.Trt_vs_MS.NoTrt_B
PQBP1	7.97E-04	-0.5932	0.102	0.2	1	MS.Trt_vs_MS.NoTrt_B
SNRNP70	7.99E-04	-0.4127	0.161	0.28	1	MS.Trt_vs_MS.NoTrt_B
FLOT2	8.01E-04	-0.3286	0.285	0.42	1	MS.Trt_vs_MS.NoTrt_B
TMEM109	8.08E-04	-0.3952	0.12	0.23	1	MS.Trt_vs_MS.NoTrt_B
CHMP2A	8.10E-04	-0.5847	0.076	0.16	1	MS.Trt_vs_MS.NoTrt_B
PTP4A2	8.14E-04	0.3733	0.44	0.6	1	MS.Trt_vs_MS.NoTrt_B
NUCKS1	8.19E-04	0.58189	0.388	0.55	1	MS.Trt_vs_MS.NoTrt_B
GTF3C5	8.28E-04	-0.9692	0.209	0.32	1	MS.Trt_vs_MS.NoTrt_B
TCIRG1	8.29E-04	-0.3491	0.218	0.34	1	MS.Trt_vs_MS.NoTrt_B
SLC26A11	8.35E-04	-0.6612	0.54	0.71	1	MS.Trt_vs_MS.NoTrt_B
QDPR	8.36E-04	-0.8015	0.039	0.11	1	MS.Trt_vs_MS.NoTrt_B
PTPN18	8.37E-04	0.91667	0.24	0.4	1	MS.Trt_vs_MS.NoTrt_B
SPPL3	8.47E-04	-0.4982	0.447	0.62	1	MS.Trt_vs_MS.NoTrt_B
ZNF496	8.49E-04	0.44547	0.481	0.67	1	MS.Trt_vs_MS.NoTrt_B
TSTD1	8.51E-04	0.3281	0.166	0.3	1	MS.Trt_vs_MS.NoTrt_B
VAMP1	8.52E-04	-0.2681	0.118	0.22	1	MS.Trt_vs_MS.NoTrt_B
USP32	8.53E-04	0.41971	0.179	0.29	1	MS.Trt_vs_MS.NoTrt_B
POR	8.59E-04	-0.3773	0.227	0.35	1	MS.Trt_vs_MS.NoTrt_B
EIF2D	8.59E-04	0.51479	0.571	0.75	1	MS.Trt_vs_MS.NoTrt_B
CENPC	8.60E-04	0.46535	0.468	0.6	1	MS.Trt_vs_MS.NoTrt_B
RSBN1L	8.60E-04	0.35523	0.697	0.84	1	MS.Trt_vs_MS.NoTrt_B
RTKN2	8.60E-04	0.29708	0.44	0.58	1	MS.Trt_vs_MS.NoTrt_B
GSTM2	8.63E-04	0.59523	0.277	0.44	1	MS.Trt_vs_MS.NoTrt_B
TNFRSF10B	8.70E-04	-0.8113	0.34	0.48	1	MS.Trt_vs_MS.NoTrt_B
PARD6B	8.72E-04	0.32075	0.364	0.51	1	MS.Trt_vs_MS.NoTrt_B
OLFM2	8.77E-04	0.30861	0.039	0.11	1	MS.Trt_vs_MS.NoTrt_B

PGAM1	8.80E-04	-0.2777	0.187	0.3	1 MS.Trt_vs_MS.NoTrt_B
USP14	8.82E-04	-0.4662	0.473	0.65	1 MS.Trt_vs_MS.NoTrt_B
GIPR	8.84E-04	0.48649	0.527	0.69	1 MS.Trt_vs_MS.NoTrt_B
EZH2	8.85E-04	-0.695	0.085	0.17	1 MS.Trt_vs_MS.NoTrt_B
CSRP2	8.90E-04	-0.4638	0.379	0.56	1 MS.Trt_vs_MS.NoTrt_B
CLUAP1	8.90E-04	0.3305	0.68	0.87	1 MS.Trt_vs_MS.NoTrt_B
HSPA9	8.92E-04	-0.5085	0.303	0.43	1 MS.Trt_vs_MS.NoTrt_B
PUM2	8.93E-04	-0.327	0.233	0.36	1 MS.Trt_vs_MS.NoTrt_B
VPS13A	8.97E-04	0.53839	0.218	0.36	1 MS.Trt_vs_MS.NoTrt_B
NPAT	9.01E-04	0.6319	0.619	0.79	1 MS.Trt_vs_MS.NoTrt_B
SIRT2	9.07E-04	-0.717	0.808	0.91	1 MS.Trt_vs_MS.NoTrt_B
RPIA	9.09E-04	-0.6128	0.061	0.14	1 MS.Trt_vs_MS.NoTrt_B
BCL7C	9.15E-04	-0.4219	0.39	0.56	1 MS.Trt_vs_MS.NoTrt_B
FAM149B1	9.18E-04	0.65003	0.129	0.24	1 MS.Trt_vs_MS.NoTrt_B
KIAA0930	9.24E-04	-0.2828	0.481	0.65	1 MS.Trt_vs_MS.NoTrt_B
ZSCAN2	9.25E-04	-0.5532	0.614	0.82	1 MS.Trt_vs_MS.NoTrt_B
TNFRSF4	9.26E-04	-0.5267	0.076	0.16	1 MS.Trt_vs_MS.NoTrt_B
KXD1	9.29E-04	-0.3874	0.706	0.8	1 MS.Trt_vs_MS.NoTrt_B
ZNF567	9.32E-04	-0.4063	0.688	0.88	1 MS.Trt_vs_MS.NoTrt_B
TTC37	9.34E-04	-0.275	0.272	0.41	1 MS.Trt_vs_MS.NoTrt_B
AP1S3	9.36E-04	-0.2885	0.791	0.93	1 MS.Trt_vs_MS.NoTrt_B
RORC	9.40E-04	-1.1597	0.044	0.11	1 MS.Trt_vs_MS.NoTrt_B
CAPNS1	9.43E-04	0.53034	0.22	0.35	1 MS.Trt_vs_MS.NoTrt_B
NUP153	9.48E-04	0.27502	0.129	0.24	1 MS.Trt_vs_MS.NoTrt_B
C1orf162	9.51E-04	-0.5056	0.061	0.14	1 MS.Trt_vs_MS.NoTrt_B
ZNF442	9.53E-04	-0.3339	0.573	0.76	1 MS.Trt_vs_MS.NoTrt_B
SLC25A12	9.54E-04	-0.9501	0.059	0.14	1 MS.Trt_vs_MS.NoTrt_B
MUL1	9.56E-04	-0.5868	0.037	0.1	1 MS.Trt_vs_MS.NoTrt_B
HACD3	9.56E-04	0.48476	0.58	0.8	1 MS.Trt_vs_MS.NoTrt_B
B4GALT4	9.59E-04	-0.5549	0.484	0.63	1 MS.Trt_vs_MS.NoTrt_B
CDON	9.61E-04	-0.2853	0.349	0.49	1 MS.Trt_vs_MS.NoTrt_B
MPP7	9.62E-04	-0.8412	0.161	0.27	1 MS.Trt_vs_MS.NoTrt_B
ABHD14A	9.67E-04	-0.7082	0.401	0.51	1 MS.Trt_vs_MS.NoTrt_B
CCDC94	9.68E-04	-0.3885	0.1	0.2	1 MS.Trt_vs_MS.NoTrt_B
BIRC6	9.69E-04	0.40407	0.316	0.48	1 MS.Trt_vs_MS.NoTrt_B
ACAD10	9.86E-04	0.31317	0.344	0.49	1 MS.Trt_vs_MS.NoTrt_B
BRPF1	9.86E-04	-0.6215	0.044	0.11	1 MS.Trt_vs_MS.NoTrt_B
SRRT	9.87E-04	-0.3548	0.135	0.24	1 MS.Trt_vs_MS.NoTrt_B
USP37	9.88E-04	0.43616	0.312	0.45	1 MS.Trt_vs_MS.NoTrt_B
ABHD5	9.91E-04	0.43103	0.078	0.17	1 MS.Trt_vs_MS.NoTrt_B

NAGK	9.91E-04	-0.3801	0.647	0.84	1	MS.Trt_vs_MS.NoTrt_B
METTL9	9.93E-04	-0.4139	0.427	0.58	1	MS.Trt_vs_MS.NoTrt_B
PGM1	9.93E-04	-0.869	0.054	0.13	1	MS.Trt_vs_MS.NoTrt_B
C10orf67	9.97E-04	-0.7169	0.15	0.26	1	MS.Trt_vs_MS.NoTrt_B
FKBP15	9.99E-04	-1.089	0.059	0.14	1	MS.Trt_vs_MS.NoTrt_B
LAMP1	9.99E-04	-0.424	0.251	0.37	1	MS.Trt_vs_MS.NoTrt_B
BTBD11	0.001	0.9407	0.338	0.53	1	MS.Trt_vs_MS.NoTrt_B
LIN52	0.00101	-0.2801	0.566	0.7	1	MS.Trt_vs_MS.NoTrt_B
CDC14A	0.00101	0.8312	0.144	0.26	1	MS.Trt_vs_MS.NoTrt_B
PRPF40A	0.00101	0.49895	0.322	0.48	1	MS.Trt_vs_MS.NoTrt_B
TRMT61B	0.00102	0.2653	0.096	0.19	1	MS.Trt_vs_MS.NoTrt_B
MAP4K5	0.00103	0.3417	0.364	0.53	1	MS.Trt_vs_MS.NoTrt_B
SLC35G1	0.00104	-0.3551	0.068	0.15	1	MS.Trt_vs_MS.NoTrt_B
C8orf33	0.00104	-1.1153	0.124	0.23	1	MS.Trt_vs_MS.NoTrt_B
CARHSP1	0.00104	-0.454	0.536	0.66	1	MS.Trt_vs_MS.NoTrt_B
TROAP	0.00104	-0.4394	0.338	0.51	1	MS.Trt_vs_MS.NoTrt_B
ING3	0.00104	-0.2617	0.1	0.2	1	MS.Trt_vs_MS.NoTrt_B
KRTCAP2	0.00105	0.27014	0.623	0.8	1	MS.Trt_vs_MS.NoTrt_B
ANKEF1	0.00105	0.6184	0.137	0.25	1	MS.Trt_vs_MS.NoTrt_B
TCFL5	0.00105	-0.8576	0.416	0.54	1	MS.Trt_vs_MS.NoTrt_B
AKAP2	0.00106	-0.5391	0.198	0.32	1	MS.Trt_vs_MS.NoTrt_B
A2M	0.00106	1.38854	0.157	0.06	1	MS.Trt_vs_MS.NoTrt_B
NT5C	0.00107	-0.3379	0.102	0.2	1	MS.Trt_vs_MS.NoTrt_B
ALG9	0.00108	-0.7128	0.712	0.86	1	MS.Trt_vs_MS.NoTrt_B
MOB2	0.00108	-0.779	0.048	0.12	1	MS.Trt_vs_MS.NoTrt_B
TAB3	0.00108	0.45413	0.558	0.76	1	MS.Trt_vs_MS.NoTrt_B
KRBA2	0.00108	0.78948	0.259	0.41	1	MS.Trt_vs_MS.NoTrt_B
NPIP3	0.00108	0.43671	0.516	0.7	1	MS.Trt_vs_MS.NoTrt_B
PSMC1	0.00109	0.26482	0.316	0.44	1	MS.Trt_vs_MS.NoTrt_B
RAD51C	0.0011	-0.2569	0.789	0.94	1	MS.Trt_vs_MS.NoTrt_B
ANKIB1	0.0011	0.63994	0.24	0.37	1	MS.Trt_vs_MS.NoTrt_B
TPP2	0.00111	-0.3021	0.412	0.52	1	MS.Trt_vs_MS.NoTrt_B
LNPK	0.00111	0.26079	0.41	0.55	1	MS.Trt_vs_MS.NoTrt_B
LCMT2	0.00111	-0.8271	0.538	0.61	1	MS.Trt_vs_MS.NoTrt_B
SPCS2	0.00111	0.26549	0.229	0.36	1	MS.Trt_vs_MS.NoTrt_B
KRIT1	0.00112	-0.4949	0.499	0.67	1	MS.Trt_vs_MS.NoTrt_B
MRPL24	0.00112	-0.3975	0.065	0.15	1	MS.Trt_vs_MS.NoTrt_B
FHOD1	0.00113	-0.594	0.076	0.16	1	MS.Trt_vs_MS.NoTrt_B
EIF2S1	0.00114	0.29602	0.233	0.36	1	MS.Trt_vs_MS.NoTrt_B
ACTR3C	0.00114	-0.5333	0.42	0.55	1	MS.Trt_vs_MS.NoTrt_B

TJAP1	0.00114	0.75502	0.253	0.38	1	MS.Trt_vs_MS.NoTrt_B
HNRNPL	0.00114	0.33602	0.739	0.78	1	MS.Trt_vs_MS.NoTrt_B
RGPD6	0.00115	0.46162	0.383	0.56	1	MS.Trt_vs_MS.NoTrt_B
DLST	0.00115	-0.3829	0.793	0.95	1	MS.Trt_vs_MS.NoTrt_B
PLEKHA2	0.00115	-0.2567	0.68	0.77	1	MS.Trt_vs_MS.NoTrt_B
MFGE8	0.00116	0.33072	0.383	0.54	1	MS.Trt_vs_MS.NoTrt_B
MAPK1	0.00116	0.70139	0.392	0.55	1	MS.Trt_vs_MS.NoTrt_B
ARHGEF9	0.00116	-0.5517	0.423	0.55	1	MS.Trt_vs_MS.NoTrt_B
SIAE	0.00116	-0.5601	0.49	0.67	1	MS.Trt_vs_MS.NoTrt_B
RRP7A	0.00117	0.34345	0.39	0.55	1	MS.Trt_vs_MS.NoTrt_B
CELF1	0.00117	-0.3665	0.309	0.44	1	MS.Trt_vs_MS.NoTrt_B
SERPINH1	0.00117	-0.2854	0.224	0.36	1	MS.Trt_vs_MS.NoTrt_B
GOLGA8A	0.00118	0.62736	0.314	0.47	1	MS.Trt_vs_MS.NoTrt_B
PIGT	0.00119	-0.9271	0.057	0.13	1	MS.Trt_vs_MS.NoTrt_B
ABHD10	0.00119	-0.5716	0.052	0.12	1	MS.Trt_vs_MS.NoTrt_B
ATP6V1C1	0.00119	-0.2602	0.309	0.45	1	MS.Trt_vs_MS.NoTrt_B
RRNAD1	0.00119	0.26573	0.497	0.67	1	MS.Trt_vs_MS.NoTrt_B
FBXO45	0.0012	0.89049	0.303	0.44	1	MS.Trt_vs_MS.NoTrt_B
TBC1D20	0.0012	0.73685	0.447	0.63	1	MS.Trt_vs_MS.NoTrt_B
MAL	0.00122	-0.2676	0.222	0.35	1	MS.Trt_vs_MS.NoTrt_B
MRPS16	0.00122	-0.2888	0.647	0.79	1	MS.Trt_vs_MS.NoTrt_B
DET1	0.00122	0.59961	0.355	0.5	1	MS.Trt_vs_MS.NoTrt_B
LUC7L2	0.00122	0.37807	0.418	0.56	1	MS.Trt_vs_MS.NoTrt_B
ECHDC1	0.00122	0.85787	0.688	0.9	1	MS.Trt_vs_MS.NoTrt_B
EIF4E3	0.00122	0.82846	0.144	0.26	1	MS.Trt_vs_MS.NoTrt_B
N4BP2	0.00124	0.55866	0.259	0.4	1	MS.Trt_vs_MS.NoTrt_B
KPNB1	0.00124	0.38656	0.523	0.69	1	MS.Trt_vs_MS.NoTrt_B
ELMOD3	0.00124	-0.2994	0.745	0.86	1	MS.Trt_vs_MS.NoTrt_B
SCML4	0.00124	0.35118	0.46	0.64	1	MS.Trt_vs_MS.NoTrt_B
UTP23	0.00124	-0.3109	0.418	0.56	1	MS.Trt_vs_MS.NoTrt_B
MSH6	0.00125	0.2907	0.704	0.86	1	MS.Trt_vs_MS.NoTrt_B
ALKBH7	0.00125	-0.4875	0.096	0.19	1	MS.Trt_vs_MS.NoTrt_B
ADTRP	0.00125	0.26563	0.272	0.4	1	MS.Trt_vs_MS.NoTrt_B
NRL	0.00126	-0.4725	0.037	0.1	1	MS.Trt_vs_MS.NoTrt_B
ABLIM3	0.00126	0.45722	0.102	0.03	1	MS.Trt_vs_MS.NoTrt_B
SLC17A5	0.00127	-0.7705	0.349	0.51	1	MS.Trt_vs_MS.NoTrt_B
GIT1	0.00127	-0.8284	0.126	0.22	1	MS.Trt_vs_MS.NoTrt_B
RDH5	0.00127	-0.5621	0.373	0.51	1	MS.Trt_vs_MS.NoTrt_B
CD109	0.00127	-0.4074	0.237	0.36	1	MS.Trt_vs_MS.NoTrt_B
UBE3D	0.00127	0.68392	0.442	0.63	1	MS.Trt_vs_MS.NoTrt_B

SLC25A46	0.00127	-0.5394	0.052	0.12	1 MS.Trt_vs_MS.NoTrt_B
SLC9A9	0.00127	-0.4335	0.089	0.18	1 MS.Trt_vs_MS.NoTrt_B
POP4	0.00129	-0.3257	0.089	0.18	1 MS.Trt_vs_MS.NoTrt_B
SLC6A6	0.00129	-0.5563	0.096	0.19	1 MS.Trt_vs_MS.NoTrt_B
ATP5L	0.00129	0.37841	0.373	0.55	1 MS.Trt_vs_MS.NoTrt_B
MLH1	0.00129	-0.8398	0.246	0.38	1 MS.Trt_vs_MS.NoTrt_B
MICAL1	0.00129	-0.339	0.185	0.3	1 MS.Trt_vs_MS.NoTrt_B
SETMAR	0.0013	-0.4605	0.251	0.38	1 MS.Trt_vs_MS.NoTrt_B
ZNF699	0.0013	0.63801	0.181	0.29	1 MS.Trt_vs_MS.NoTrt_B
NR2C2	0.0013	0.42675	0.521	0.71	1 MS.Trt_vs_MS.NoTrt_B
TAF1D	0.0013	0.26238	0.405	0.55	1 MS.Trt_vs_MS.NoTrt_B
RPH3AL	0.00131	-0.9111	0.209	0.33	1 MS.Trt_vs_MS.NoTrt_B
KALRN	0.00131	-0.2874	0.222	0.36	1 MS.Trt_vs_MS.NoTrt_B
USP48	0.00132	0.27838	0.39	0.54	1 MS.Trt_vs_MS.NoTrt_B
VPS29	0.00133	0.34176	0.41	0.54	1 MS.Trt_vs_MS.NoTrt_B
IFT46	0.00133	-0.7804	0.15	0.25	1 MS.Trt_vs_MS.NoTrt_B
GEN1	0.00134	0.42432	0.58	0.77	1 MS.Trt_vs_MS.NoTrt_B
SLC16A6	0.00134	0.9227	0.209	0.34	1 MS.Trt_vs_MS.NoTrt_B
FARS2	0.00134	-0.4544	0.074	0.16	1 MS.Trt_vs_MS.NoTrt_B
ZNF497	0.00135	-1.1871	0.205	0.33	1 MS.Trt_vs_MS.NoTrt_B
ZNF790	0.00135	-0.8289	0.381	0.52	1 MS.Trt_vs_MS.NoTrt_B
EXPH5	0.00136	0.35958	0.556	0.71	1 MS.Trt_vs_MS.NoTrt_B
TMEM25	0.00136	-0.7794	0.253	0.41	1 MS.Trt_vs_MS.NoTrt_B
MRPL42	0.00136	0.31302	0.891	0.98	1 MS.Trt_vs_MS.NoTrt_B
OGFOD2	0.00136	-0.4312	0.076	0.16	1 MS.Trt_vs_MS.NoTrt_B
ZNF563	0.00137	-0.8533	0.423	0.59	1 MS.Trt_vs_MS.NoTrt_B
MICU1	0.00137	-0.2734	0.529	0.64	1 MS.Trt_vs_MS.NoTrt_B
PTPMT1	0.00137	-0.396	0.085	0.17	1 MS.Trt_vs_MS.NoTrt_B
TCAIM	0.00137	1.40633	0.153	0.27	1 MS.Trt_vs_MS.NoTrt_B
AMMECR1	0.00137	-0.3451	0.092	0.18	1 MS.Trt_vs_MS.NoTrt_B
PTEN	0.00138	0.3993	0.447	0.61	1 MS.Trt_vs_MS.NoTrt_B
SCAMP3	0.00139	-0.5413	0.139	0.24	1 MS.Trt_vs_MS.NoTrt_B
ZNF654	0.00139	-0.8471	0.072	0.15	1 MS.Trt_vs_MS.NoTrt_B
PWWP2A	0.0014	0.36957	0.102	0.2	1 MS.Trt_vs_MS.NoTrt_B
IMPA1	0.0014	0.46564	0.216	0.34	1 MS.Trt_vs_MS.NoTrt_B
SGMS1	0.00141	-0.2657	0.159	0.27	1 MS.Trt_vs_MS.NoTrt_B
LUC7L3	0.00141	0.43057	0.514	0.72	1 MS.Trt_vs_MS.NoTrt_B
TSTD2	0.00141	-0.449	0.057	0.13	1 MS.Trt_vs_MS.NoTrt_B
METTL6	0.00141	-0.3883	0.778	0.93	1 MS.Trt_vs_MS.NoTrt_B
VPS35	0.00141	0.29205	0.425	0.55	1 MS.Trt_vs_MS.NoTrt_B

MSANTD1	0.00142	0.75475	0.349	0.48	1	MS.Trt_vs_MS.NoTrt_B
SMAD3	0.00142	-0.4423	0.094	0.18	1	MS.Trt_vs_MS.NoTrt_B
PDCD10	0.00142	0.25212	0.166	0.28	1	MS.Trt_vs_MS.NoTrt_B
AEBP2	0.00142	0.7706	0.532	0.7	1	MS.Trt_vs_MS.NoTrt_B
ZER1	0.00142	-0.3271	0.098	0.19	1	MS.Trt_vs_MS.NoTrt_B
NADSYN1	0.00142	0.43386	0.453	0.61	1	MS.Trt_vs_MS.NoTrt_B
FAM96B	0.00143	0.40577	0.161	0.29	1	MS.Trt_vs_MS.NoTrt_B
GALK1	0.00145	-0.3542	0.218	0.34	1	MS.Trt_vs_MS.NoTrt_B
AP1S2	0.00146	0.33198	0.135	0.24	1	MS.Trt_vs_MS.NoTrt_B
CXCR6	0.00146	-1.4527	0.092	0.18	1	MS.Trt_vs_MS.NoTrt_B
TEX261	0.00146	-0.4497	0.039	0.1	1	MS.Trt_vs_MS.NoTrt_B
PPCS	0.00146	0.49844	0.255	0.38	1	MS.Trt_vs_MS.NoTrt_B
SFXN3	0.00146	-1.1382	0.237	0.35	1	MS.Trt_vs_MS.NoTrt_B
LRP2BP	0.00147	-0.6422	0.353	0.47	1	MS.Trt_vs_MS.NoTrt_B
GRSF1	0.00148	-0.4375	0.617	0.74	1	MS.Trt_vs_MS.NoTrt_B
RTEL1	0.00148	-0.689	0.057	0.13	1	MS.Trt_vs_MS.NoTrt_B
SYNGR2	0.00148	0.28015	0.455	0.6	1	MS.Trt_vs_MS.NoTrt_B
EIF2AK4	0.00149	0.33302	0.495	0.67	1	MS.Trt_vs_MS.NoTrt_B
CNPPD1	0.0015	-0.3747	0.198	0.31	1	MS.Trt_vs_MS.NoTrt_B
RP11-343C2	0.0015	-0.4434	0.089	0.18	1	MS.Trt_vs_MS.NoTrt_B
THOC6	0.00151	-0.4914	0.046	0.11	1	MS.Trt_vs_MS.NoTrt_B
TOX	0.00151	-0.4402	0.179	0.29	1	MS.Trt_vs_MS.NoTrt_B
EIF3B	0.00152	0.70198	0.281	0.43	1	MS.Trt_vs_MS.NoTrt_B
ICE2	0.00153	0.44418	0.769	0.87	1	MS.Trt_vs_MS.NoTrt_B
RDH10	0.00153	0.99338	0.131	0.24	1	MS.Trt_vs_MS.NoTrt_B
MREG	0.00154	0.40706	0.497	0.69	1	MS.Trt_vs_MS.NoTrt_B
IMMT	0.00154	0.38231	0.34	0.48	1	MS.Trt_vs_MS.NoTrt_B
DCLRE1C	0.00154	0.69647	0.51	0.66	1	MS.Trt_vs_MS.NoTrt_B
C16orf70	0.00155	0.62535	0.508	0.68	1	MS.Trt_vs_MS.NoTrt_B
RBM43	0.00156	-0.3788	0.481	0.68	1	MS.Trt_vs_MS.NoTrt_B
EXD3	0.00157	-0.4156	0.373	0.51	1	MS.Trt_vs_MS.NoTrt_B
PRDX3	0.00158	0.54355	0.37	0.51	1	MS.Trt_vs_MS.NoTrt_B
C17orf89	0.00158	-0.4416	0.059	0.14	1	MS.Trt_vs_MS.NoTrt_B
ALG1	0.00158	0.25931	0.492	0.65	1	MS.Trt_vs_MS.NoTrt_B
GPX7	0.00158	-0.6893	0.039	0.1	1	MS.Trt_vs_MS.NoTrt_B
TRIM5	0.00159	-0.8203	0.364	0.51	1	MS.Trt_vs_MS.NoTrt_B
RNPC3	0.0016	0.6319	0.301	0.48	1	MS.Trt_vs_MS.NoTrt_B
BHLHB9	0.00161	0.35456	0.224	0.35	1	MS.Trt_vs_MS.NoTrt_B
CUL5	0.00163	0.35237	0.161	0.27	1	MS.Trt_vs_MS.NoTrt_B
VPS37A	0.00164	-0.8575	0.105	0.2	1	MS.Trt_vs_MS.NoTrt_B

KLF13	0.00164	0.43249	0.222	0.35	1 MS.Trt_vs_MS.NoTrt_B
RBBP9	0.00164	-1.0993	0.233	0.35	1 MS.Trt_vs_MS.NoTrt_B
GNPAT	0.00165	-0.4388	0.1	0.19	1 MS.Trt_vs_MS.NoTrt_B
XPO5	0.00165	-0.4915	0.538	0.72	1 MS.Trt_vs_MS.NoTrt_B
TRIM24	0.00165	0.57736	0.331	0.47	1 MS.Trt_vs_MS.NoTrt_B
INTS9	0.00166	-0.6885	0.061	0.14	1 MS.Trt_vs_MS.NoTrt_B
TMEM65	0.00166	0.42975	0.536	0.72	1 MS.Trt_vs_MS.NoTrt_B
PPP6R3	0.00167	0.25652	0.366	0.52	1 MS.Trt_vs_MS.NoTrt_B
MFSD13A	0.00167	-0.4819	0.584	0.73	1 MS.Trt_vs_MS.NoTrt_B
P2RX7	0.00167	-0.2587	0.586	0.75	1 MS.Trt_vs_MS.NoTrt_B
CASP2	0.00167	0.45871	0.732	0.87	1 MS.Trt_vs_MS.NoTrt_B
RBM48	0.00168	0.52384	0.614	0.81	1 MS.Trt_vs_MS.NoTrt_B
TANGO2	0.00169	-0.949	0.765	0.85	1 MS.Trt_vs_MS.NoTrt_B
DRG2	0.00169	-0.2857	0.17	0.28	1 MS.Trt_vs_MS.NoTrt_B
NEMP1	0.00169	-0.7904	0.044	0.11	1 MS.Trt_vs_MS.NoTrt_B
EPPK1	0.0017	-0.3819	0.057	0.13	1 MS.Trt_vs_MS.NoTrt_B
KLF8	0.0017	-0.3994	0.619	0.72	1 MS.Trt_vs_MS.NoTrt_B
ACTA2	0.0017	-0.5252	0.477	0.6	1 MS.Trt_vs_MS.NoTrt_B
GON4L	0.00171	0.4775	0.71	0.89	1 MS.Trt_vs_MS.NoTrt_B
BTG2	0.00171	-0.5769	0.089	0.17	1 MS.Trt_vs_MS.NoTrt_B
ABCF3	0.00171	-0.8365	0.113	0.2	1 MS.Trt_vs_MS.NoTrt_B
AKT3	0.00171	0.45059	0.521	0.7	1 MS.Trt_vs_MS.NoTrt_B
FBXO44	0.00173	-0.2716	0.473	0.63	1 MS.Trt_vs_MS.NoTrt_B
HSD17B10	0.00173	-0.4402	0.083	0.17	1 MS.Trt_vs_MS.NoTrt_B
NBEAL1	0.00173	0.28145	0.782	0.89	1 MS.Trt_vs_MS.NoTrt_B
TXNDC12	0.00173	-0.3483	0.111	0.21	1 MS.Trt_vs_MS.NoTrt_B
CYP4F11	0.00174	-0.315	0.275	0.39	1 MS.Trt_vs_MS.NoTrt_B
COG4	0.00174	-0.3594	0.597	0.72	1 MS.Trt_vs_MS.NoTrt_B
SH3GLB1	0.00174	-0.308	0.394	0.5	1 MS.Trt_vs_MS.NoTrt_B
QTRT1	0.00174	0.65056	0.656	0.82	1 MS.Trt_vs_MS.NoTrt_B
NAT6	0.00174	-0.4756	0.039	0.1	1 MS.Trt_vs_MS.NoTrt_B
HSPA2	0.00174	-0.3108	0.407	0.56	1 MS.Trt_vs_MS.NoTrt_B
IFT80	0.00175	-0.2905	0.627	0.75	1 MS.Trt_vs_MS.NoTrt_B
ZNF391	0.00175	-0.7171	0.122	0.22	1 MS.Trt_vs_MS.NoTrt_B
KLHDC4	0.00176	0.37342	0.588	0.7	1 MS.Trt_vs_MS.NoTrt_B
RBX1	0.00178	0.31262	0.237	0.37	1 MS.Trt_vs_MS.NoTrt_B
YARS	0.00178	-0.5237	0.747	0.87	1 MS.Trt_vs_MS.NoTrt_B
HIKESHI	0.00179	0.25109	0.314	0.47	1 MS.Trt_vs_MS.NoTrt_B
NMD3	0.00179	0.29059	0.586	0.7	1 MS.Trt_vs_MS.NoTrt_B
STMN1	0.00179	-0.7001	0.597	0.7	1 MS.Trt_vs_MS.NoTrt_B



2-Mar	0.00181	-1.1512	0.399	0.54	1	MS.Trt_vs_MS.NoTrt_B
PLEKHG3	0.00181	-1.0051	0.325	0.47	1	MS.Trt_vs_MS.NoTrt_B
ATP6V1A	0.00182	-0.8919	0.377	0.5	1	MS.Trt_vs_MS.NoTrt_B
C5orf15	0.00183	0.4758	0.094	0.18	1	MS.Trt_vs_MS.NoTrt_B
METTL10	0.00183	0.35336	0.253	0.37	1	MS.Trt_vs_MS.NoTrt_B
PIGX	0.00183	-0.6679	0.298	0.41	1	MS.Trt_vs_MS.NoTrt_B
HMGN1	0.00183	0.45599	0.377	0.55	1	MS.Trt_vs_MS.NoTrt_B
AHSA1	0.00184	-0.5532	0.39	0.52	1	MS.Trt_vs_MS.NoTrt_B
ATE1	0.00184	-0.3372	0.218	0.34	1	MS.Trt_vs_MS.NoTrt_B
P3H1	0.00185	-0.6058	0.832	0.94	1	MS.Trt_vs_MS.NoTrt_B
SLC41A3	0.00185	-1.0603	0.196	0.31	1	MS.Trt_vs_MS.NoTrt_B
RECQL	0.00187	-0.4302	0.122	0.22	1	MS.Trt_vs_MS.NoTrt_B
SUSD3	0.00187	0.26273	0.309	0.45	1	MS.Trt_vs_MS.NoTrt_B
CBL	0.00187	-0.3212	0.455	0.6	1	MS.Trt_vs_MS.NoTrt_B
TCEAL4	0.00187	-0.5031	0.089	0.17	1	MS.Trt_vs_MS.NoTrt_B
DOPEY2	0.00188	-0.5575	0.654	0.8	1	MS.Trt_vs_MS.NoTrt_B
DCBLD2	0.00188	0.36171	0.521	0.7	1	MS.Trt_vs_MS.NoTrt_B
ABCC1	0.00188	0.39004	0.285	0.41	1	MS.Trt_vs_MS.NoTrt_B
GNPNAT1	0.00188	0.64419	0.401	0.58	1	MS.Trt_vs_MS.NoTrt_B
MAN2A1	0.00189	0.33433	0.179	0.29	1	MS.Trt_vs_MS.NoTrt_B
DSN1	0.00189	-1.0574	0.2	0.31	1	MS.Trt_vs_MS.NoTrt_B
MAML2	0.00189	0.34672	0.15	0.26	1	MS.Trt_vs_MS.NoTrt_B
NUDCD3	0.0019	-0.6271	0.264	0.37	1	MS.Trt_vs_MS.NoTrt_B
TYK2	0.0019	-0.3107	0.525	0.68	1	MS.Trt_vs_MS.NoTrt_B
LRRC59	0.0019	-0.9852	0.078	0.16	1	MS.Trt_vs_MS.NoTrt_B
SIGMAR1	0.0019	-0.4875	0.137	0.24	1	MS.Trt_vs_MS.NoTrt_B
GOLGA8R	0.00191	0.3704	0.368	0.53	1	MS.Trt_vs_MS.NoTrt_B
FASTKD1	0.00191	-0.6792	0.161	0.27	1	MS.Trt_vs_MS.NoTrt_B
AOAH	0.00191	0.66712	0.24	0.36	1	MS.Trt_vs_MS.NoTrt_B
CHPT1	0.00191	-0.3466	0.46	0.61	1	MS.Trt_vs_MS.NoTrt_B
SLC35D1	0.00191	0.60628	0.216	0.35	1	MS.Trt_vs_MS.NoTrt_B
SUSD6	0.00192	0.35438	0.218	0.34	1	MS.Trt_vs_MS.NoTrt_B
GBAS	0.00194	0.32067	0.59	0.71	1	MS.Trt_vs_MS.NoTrt_B
SLC39A14	0.00195	-0.806	0.312	0.45	1	MS.Trt_vs_MS.NoTrt_B
TUBGCP5	0.00195	0.29715	0.575	0.73	1	MS.Trt_vs_MS.NoTrt_B
GNG5	0.00198	0.2853	0.185	0.32	1	MS.Trt_vs_MS.NoTrt_B
DHX30	0.00199	-0.7165	0.516	0.64	1	MS.Trt_vs_MS.NoTrt_B
EFCAB13	0.00199	-0.5053	0.209	0.33	1	MS.Trt_vs_MS.NoTrt_B
CBX1	0.002	-0.2622	0.179	0.29	1	MS.Trt_vs_MS.NoTrt_B
ZBTB38	0.002	0.77388	0.471	0.61	1	MS.Trt_vs_MS.NoTrt_B

FAAP100	0.00201	-0.3338	0.12	0.22	1 MS.Trt_vs_MS.NoTrt_B
SEMA4F	0.00202	-0.9236	0.401	0.52	1 MS.Trt_vs_MS.NoTrt_B
EMC3	0.00202	-0.3237	0.73	0.9	1 MS.Trt_vs_MS.NoTrt_B
BUD31	0.00203	0.28505	0.586	0.7	1 MS.Trt_vs_MS.NoTrt_B
UST	0.00203	0.39698	0.198	0.31	1 MS.Trt_vs_MS.NoTrt_B
NUP205	0.00203	0.78802	0.105	0.2	1 MS.Trt_vs_MS.NoTrt_B
PCBP4	0.00204	-0.7026	0.044	0.11	1 MS.Trt_vs_MS.NoTrt_B
PLAA	0.00207	-0.2959	0.081	0.16	1 MS.Trt_vs_MS.NoTrt_B
DCTN4	0.00207	-0.2953	0.227	0.34	1 MS.Trt_vs_MS.NoTrt_B
LIMS1	0.0021	-0.3233	0.78	0.87	1 MS.Trt_vs_MS.NoTrt_B
LRRC37B	0.0021	-0.2503	0.442	0.59	1 MS.Trt_vs_MS.NoTrt_B
BANP	0.0021	-0.3182	0.521	0.66	1 MS.Trt_vs_MS.NoTrt_B
MYCBP	0.00211	-1.4166	0.048	0.11	1 MS.Trt_vs_MS.NoTrt_B
DDHD2	0.00212	0.51929	0.66	0.81	1 MS.Trt_vs_MS.NoTrt_B
SNAP29	0.00213	-0.2816	0.577	0.73	1 MS.Trt_vs_MS.NoTrt_B
CNOT7	0.00214	0.33016	0.499	0.61	1 MS.Trt_vs_MS.NoTrt_B
ELF2	0.00214	0.26073	0.516	0.71	1 MS.Trt_vs_MS.NoTrt_B
PPAN	0.00215	0.43613	0.266	0.39	1 MS.Trt_vs_MS.NoTrt_B
GNAQ	0.00215	0.36354	0.135	0.23	1 MS.Trt_vs_MS.NoTrt_B
JAZF1	0.00216	0.28841	0.054	0.12	1 MS.Trt_vs_MS.NoTrt_B
ZBP1	0.00216	-0.3752	0.46	0.56	1 MS.Trt_vs_MS.NoTrt_B
SRI	0.00217	0.29951	0.342	0.47	1 MS.Trt_vs_MS.NoTrt_B
FAM192A	0.00217	0.54281	0.34	0.49	1 MS.Trt_vs_MS.NoTrt_B
FBXO4	0.00217	-0.2755	0.174	0.28	1 MS.Trt_vs_MS.NoTrt_B
PANK2	0.00217	-0.7898	0.418	0.54	1 MS.Trt_vs_MS.NoTrt_B
PDCD4	0.00218	0.52882	0.495	0.67	1 MS.Trt_vs_MS.NoTrt_B
CYB5B	0.00218	0.40011	0.388	0.53	1 MS.Trt_vs_MS.NoTrt_B
CNTROB	0.00219	-0.7026	0.111	0.2	1 MS.Trt_vs_MS.NoTrt_B
SCAI	0.0022	0.49528	0.715	0.83	1 MS.Trt_vs_MS.NoTrt_B
CD99L2	0.00223	-1.0354	0.072	0.15	1 MS.Trt_vs_MS.NoTrt_B
ENOPH1	0.00224	-0.2802	0.089	0.17	1 MS.Trt_vs_MS.NoTrt_B
VTA1	0.00225	0.54723	0.264	0.4	1 MS.Trt_vs_MS.NoTrt_B
TSPYL4	0.00225	-0.3505	0.105	0.2	1 MS.Trt_vs_MS.NoTrt_B
GLMN	0.00226	0.41229	0.065	0.14	1 MS.Trt_vs_MS.NoTrt_B
CNIH1	0.00226	0.27586	0.098	0.18	1 MS.Trt_vs_MS.NoTrt_B
ATPAF1	0.00226	-1.6024	0.139	0.23	1 MS.Trt_vs_MS.NoTrt_B
ARID2	0.00227	0.62706	0.608	0.74	1 MS.Trt_vs_MS.NoTrt_B
GGA3	0.00227	-0.2908	0.122	0.22	1 MS.Trt_vs_MS.NoTrt_B
STIP1	0.00227	0.33842	0.414	0.57	1 MS.Trt_vs_MS.NoTrt_B
SGTB	0.00228	0.33107	0.527	0.65	1 MS.Trt_vs_MS.NoTrt_B

ZNF253	0.00228	0.27639	0.66	0.53	1 MS.Trt_vs_MS.NoTrt_B
SREK1	0.00228	0.37271	0.39	0.52	1 MS.Trt_vs_MS.NoTrt_B
PAPOLA	0.0023	0.4064	0.721	0.85	1 MS.Trt_vs_MS.NoTrt_B
WDFY2	0.0023	-1.0661	0.471	0.58	1 MS.Trt_vs_MS.NoTrt_B
KLHL21	0.0023	-0.8096	0.571	0.7	1 MS.Trt_vs_MS.NoTrt_B
PPIH	0.00233	-0.8339	0.048	0.11	1 MS.Trt_vs_MS.NoTrt_B
EXOC3	0.00234	-0.5978	0.142	0.24	1 MS.Trt_vs_MS.NoTrt_B
FYCO1	0.00234	-0.403	0.094	0.18	1 MS.Trt_vs_MS.NoTrt_B
ATR	0.00235	0.51553	0.377	0.52	1 MS.Trt_vs_MS.NoTrt_B
SLC9A8	0.00235	-0.3322	0.131	0.23	1 MS.Trt_vs_MS.NoTrt_B
DCTN5	0.00236	-0.3415	0.678	0.82	1 MS.Trt_vs_MS.NoTrt_B
PPP1R21	0.00236	-0.2569	0.168	0.27	1 MS.Trt_vs_MS.NoTrt_B
AVL9	0.00238	0.35871	0.78	0.92	1 MS.Trt_vs_MS.NoTrt_B
CCDC163	0.00238	-0.8795	0.449	0.58	1 MS.Trt_vs_MS.NoTrt_B
UTS2B	0.00238	0.36427	0.155	0.27	1 MS.Trt_vs_MS.NoTrt_B
EIF5A2	0.00241	0.56837	0.253	0.39	1 MS.Trt_vs_MS.NoTrt_B
NPTN	0.00242	-0.4408	0.174	0.28	1 MS.Trt_vs_MS.NoTrt_B
EP400NL	0.00243	-0.6768	0.627	0.72	1 MS.Trt_vs_MS.NoTrt_B
FARP2	0.00243	-0.8164	0.27	0.39	1 MS.Trt_vs_MS.NoTrt_B
CGGBP1	0.00244	0.35029	0.124	0.22	1 MS.Trt_vs_MS.NoTrt_B
KCNAB3	0.00245	0.60212	0.329	0.47	1 MS.Trt_vs_MS.NoTrt_B
CCDC81	0.00245	-0.556	0.338	0.47	1 MS.Trt_vs_MS.NoTrt_B
ZNF350	0.00245	-0.2756	0.466	0.61	1 MS.Trt_vs_MS.NoTrt_B
KIAA1109	0.00246	0.42533	0.264	0.38	1 MS.Trt_vs_MS.NoTrt_B
TMEM19	0.00246	-0.5881	0.664	0.78	1 MS.Trt_vs_MS.NoTrt_B
PLEKHA3	0.00246	0.45673	0.61	0.75	1 MS.Trt_vs_MS.NoTrt_B
SLC38A3	0.00247	-0.3778	0.163	0.27	1 MS.Trt_vs_MS.NoTrt_B
MINK1	0.00247	0.41512	0.153	0.26	1 MS.Trt_vs_MS.NoTrt_B
8-Mar	0.00247	0.61545	0.288	0.44	1 MS.Trt_vs_MS.NoTrt_B
KIF27	0.00248	0.71893	0.24	0.38	1 MS.Trt_vs_MS.NoTrt_B
CSTF2T	0.00248	-0.8201	0.052	0.12	1 MS.Trt_vs_MS.NoTrt_B
MCTS1	0.00248	-0.2778	0.756	0.86	1 MS.Trt_vs_MS.NoTrt_B
ZBED1	0.00248	-0.5661	0.381	0.5	1 MS.Trt_vs_MS.NoTrt_B
IKZF1	0.00249	0.26901	0.292	0.43	1 MS.Trt_vs_MS.NoTrt_B
ZNF33B	0.00249	-0.6196	0.403	0.55	1 MS.Trt_vs_MS.NoTrt_B
KIF5B	0.00249	0.33972	0.211	0.34	1 MS.Trt_vs_MS.NoTrt_B
NEMF	0.00251	0.76343	0.63	0.8	1 MS.Trt_vs_MS.NoTrt_B
RAB40B	0.00252	0.51924	0.32	0.45	1 MS.Trt_vs_MS.NoTrt_B
C9orf142	0.00252	-0.3065	0.176	0.28	1 MS.Trt_vs_MS.NoTrt_B
RP11-345J4.	0.00252	0.40324	0.617	0.75	1 MS.Trt_vs_MS.NoTrt_B

PCNX4	0.00253	-0.3579	0.749	0.87	1 MS.Trt_vs_MS.NoTrt_B
GRAP	0.00253	-0.4244	0.115	0.21	1 MS.Trt_vs_MS.NoTrt_B
GALNT6	0.00255	0.4625	0.56	0.71	1 MS.Trt_vs_MS.NoTrt_B
SLC30A6	0.00256	0.63634	0.497	0.63	1 MS.Trt_vs_MS.NoTrt_B
SLC35A1	0.00257	-0.4301	0.074	0.15	1 MS.Trt_vs_MS.NoTrt_B
ZNF441	0.00257	-1.2184	0.113	0.21	1 MS.Trt_vs_MS.NoTrt_B
PPP1R3F	0.00257	1.06159	0.094	0.18	1 MS.Trt_vs_MS.NoTrt_B
RRP1	0.00257	0.53786	0.538	0.7	1 MS.Trt_vs_MS.NoTrt_B
CYSTM1	0.00258	-0.4293	0.192	0.3	1 MS.Trt_vs_MS.NoTrt_B
COMTD1	0.00259	-1.0713	0.057	0.12	1 MS.Trt_vs_MS.NoTrt_B
SYNJ2BP	0.00259	0.3274	0.728	0.82	1 MS.Trt_vs_MS.NoTrt_B
POLD1	0.0026	-0.4014	0.113	0.2	1 MS.Trt_vs_MS.NoTrt_B
STAMBP	0.0026	-0.3223	0.094	0.18	1 MS.Trt_vs_MS.NoTrt_B
PPP2R5D	0.00261	-0.5779	0.12	0.21	1 MS.Trt_vs_MS.NoTrt_B
RABGEF1	0.00261	-0.4224	0.214	0.32	1 MS.Trt_vs_MS.NoTrt_B
KIAA0922	0.00262	0.34525	0.381	0.53	1 MS.Trt_vs_MS.NoTrt_B
MTRF1	0.00263	-0.3462	0.455	0.57	1 MS.Trt_vs_MS.NoTrt_B
ARMC9	0.00264	0.43631	0.512	0.68	1 MS.Trt_vs_MS.NoTrt_B
KCNV1	0.00264	0.40205	0.423	0.6	1 MS.Trt_vs_MS.NoTrt_B
THTPA	0.00264	-1.028	0.057	0.12	1 MS.Trt_vs_MS.NoTrt_B
UBE4A	0.00266	0.38348	0.307	0.46	1 MS.Trt_vs_MS.NoTrt_B
WDR76	0.00266	-0.5996	0.547	0.69	1 MS.Trt_vs_MS.NoTrt_B
ANGEL2	0.00266	0.68133	0.571	0.69	1 MS.Trt_vs_MS.NoTrt_B
HIF1A	0.00267	-0.468	0.802	0.94	1 MS.Trt_vs_MS.NoTrt_B
SCO1	0.00268	-0.4821	0.66	0.8	1 MS.Trt_vs_MS.NoTrt_B
ITGB7	0.00268	-0.3815	0.264	0.37	1 MS.Trt_vs_MS.NoTrt_B
BDP1	0.00269	0.43561	0.58	0.74	1 MS.Trt_vs_MS.NoTrt_B
DARS	0.0027	0.36309	0.235	0.37	1 MS.Trt_vs_MS.NoTrt_B
BTLA	0.0027	-0.3191	0.098	0.18	1 MS.Trt_vs_MS.NoTrt_B
THOC7	0.00271	0.25764	0.133	0.24	1 MS.Trt_vs_MS.NoTrt_B
COX20	0.00271	0.43964	0.475	0.64	1 MS.Trt_vs_MS.NoTrt_B
ATP11A	0.00272	0.2974	0.187	0.3	1 MS.Trt_vs_MS.NoTrt_B
KATNAL2	0.00273	0.6019	0.203	0.32	1 MS.Trt_vs_MS.NoTrt_B
MYB	0.00274	-0.3135	0.209	0.33	1 MS.Trt_vs_MS.NoTrt_B
CERKL	0.00276	0.72184	0.275	0.43	1 MS.Trt_vs_MS.NoTrt_B
TMEM120A	0.00276	-0.4225	0.087	0.17	1 MS.Trt_vs_MS.NoTrt_B
MRPS11	0.00277	-0.2745	0.562	0.7	1 MS.Trt_vs_MS.NoTrt_B
KDM5B	0.0028	0.64126	0.253	0.37	1 MS.Trt_vs_MS.NoTrt_B
FAM160B1	0.00281	-0.4256	0.142	0.24	1 MS.Trt_vs_MS.NoTrt_B
NEBL	0.00281	0.26669	0.196	0.32	1 MS.Trt_vs_MS.NoTrt_B

MAGED2	0.00283	-0.5287	0.133	0.22	1 MS.Trt_vs_MS.NoTrt_B
IL15RA	0.00283	-1.0395	0.061	0.13	1 MS.Trt_vs_MS.NoTrt_B
MRT04	0.00283	-0.4719	0.392	0.55	1 MS.Trt_vs_MS.NoTrt_B
GLCC1	0.00283	0.31523	0.194	0.31	1 MS.Trt_vs_MS.NoTrt_B
SLC43A1	0.00284	-0.6853	0.068	0.14	1 MS.Trt_vs_MS.NoTrt_B
RNF44	0.00284	0.62751	0.22	0.32	1 MS.Trt_vs_MS.NoTrt_B
MTHFD2	0.00285	0.6384	0.527	0.66	1 MS.Trt_vs_MS.NoTrt_B
GNL3	0.00285	-0.8417	0.076	0.15	1 MS.Trt_vs_MS.NoTrt_B
MORC2	0.00286	-0.301	0.34	0.44	1 MS.Trt_vs_MS.NoTrt_B
WDR73	0.00286	-0.4454	0.917	0.98	1 MS.Trt_vs_MS.NoTrt_B
FAM35A	0.00287	0.36995	0.063	0.14	1 MS.Trt_vs_MS.NoTrt_B
KYAT3	0.00287	-0.3571	0.046	0.11	1 MS.Trt_vs_MS.NoTrt_B
CBWD7	0.00288	0.41159	0.377	0.5	1 MS.Trt_vs_MS.NoTrt_B
SLC35A5	0.00288	0.77982	0.301	0.43	1 MS.Trt_vs_MS.NoTrt_B
NCOA3	0.00289	0.3681	0.632	0.78	1 MS.Trt_vs_MS.NoTrt_B
HLA-DPA1	0.00289	-0.325	0.166	0.27	1 MS.Trt_vs_MS.NoTrt_B
AASDHPPT	0.00289	-0.4793	0.092	0.17	1 MS.Trt_vs_MS.NoTrt_B
CASP3	0.00292	-0.4782	0.072	0.15	1 MS.Trt_vs_MS.NoTrt_B
ZNF148	0.00295	0.32676	0.19	0.3	1 MS.Trt_vs_MS.NoTrt_B
PAPSS1	0.00296	-0.318	0.102	0.19	1 MS.Trt_vs_MS.NoTrt_B
SNX14	0.00296	0.26414	0.379	0.51	1 MS.Trt_vs_MS.NoTrt_B
LAS1L	0.00296	-0.3874	0.109	0.2	1 MS.Trt_vs_MS.NoTrt_B
IKZF4	0.00297	0.47397	0.12	0.21	1 MS.Trt_vs_MS.NoTrt_B
CHCHD3	0.00297	-0.4219	0.113	0.2	1 MS.Trt_vs_MS.NoTrt_B
UBXN8	0.00298	-0.6447	0.115	0.21	1 MS.Trt_vs_MS.NoTrt_B
FKBP11	0.00302	-0.336	0.553	0.7	1 MS.Trt_vs_MS.NoTrt_B
GNL2	0.00305	-0.7595	0.527	0.7	1 MS.Trt_vs_MS.NoTrt_B
C15orf61	0.00305	0.53728	0.451	0.64	1 MS.Trt_vs_MS.NoTrt_B
SIRT5	0.00307	-0.4488	0.749	0.88	1 MS.Trt_vs_MS.NoTrt_B
FKBP14	0.00309	-0.3234	0.44	0.58	1 MS.Trt_vs_MS.NoTrt_B
5-Mar	0.00311	-0.3309	0.118	0.21	1 MS.Trt_vs_MS.NoTrt_B
SKIDA1	0.00312	-0.5351	0.277	0.41	1 MS.Trt_vs_MS.NoTrt_B
UNC13D	0.00313	-0.3329	0.508	0.62	1 MS.Trt_vs_MS.NoTrt_B
MAST3	0.00314	0.36876	0.617	0.75	1 MS.Trt_vs_MS.NoTrt_B
DUSP10	0.00315	-0.4058	0.1	0.18	1 MS.Trt_vs_MS.NoTrt_B
R3HDM2	0.00315	0.52753	0.756	0.88	1 MS.Trt_vs_MS.NoTrt_B
RNF24	0.00315	-0.2915	0.423	0.56	1 MS.Trt_vs_MS.NoTrt_B
AGAP4	0.00317	1.26549	0.174	0.29	1 MS.Trt_vs_MS.NoTrt_B
MX2	0.00318	-0.3491	0.773	0.92	1 MS.Trt_vs_MS.NoTrt_B
ACBD4	0.00319	-0.9427	0.246	0.35	1 MS.Trt_vs_MS.NoTrt_B

EXOSC3	0.00319	0.5299	0.298	0.44	1 MS.Trt_vs_MS.NoTrt_B
CHMP1A	0.0032	-0.476	0.155	0.25	1 MS.Trt_vs_MS.NoTrt_B
AMPD3	0.00322	-1.1664	0.316	0.45	1 MS.Trt_vs_MS.NoTrt_B
FANK1	0.00323	-0.2513	0.107	0.19	1 MS.Trt_vs_MS.NoTrt_B
ZDHHC12	0.00324	-0.6841	0.085	0.16	1 MS.Trt_vs_MS.NoTrt_B
ACAD9	0.00324	-0.4216	0.235	0.34	1 MS.Trt_vs_MS.NoTrt_B
ETHE1	0.00324	-0.6863	0.05	0.11	1 MS.Trt_vs_MS.NoTrt_B
CRYZ	0.00326	0.33436	0.068	0.14	1 MS.Trt_vs_MS.NoTrt_B
MLST8	0.00328	-0.3923	0.277	0.4	1 MS.Trt_vs_MS.NoTrt_B
SPAG16	0.00329	0.38357	0.309	0.44	1 MS.Trt_vs_MS.NoTrt_B
SFT2D3	0.00329	0.26665	0.336	0.47	1 MS.Trt_vs_MS.NoTrt_B
HABP4	0.0033	0.83232	0.068	0.14	1 MS.Trt_vs_MS.NoTrt_B
TRIM11	0.00333	-0.2775	0.425	0.55	1 MS.Trt_vs_MS.NoTrt_B
MAT2A	0.00334	-0.2847	0.087	0.17	1 MS.Trt_vs_MS.NoTrt_B
ZNF569	0.00334	1.10291	0.126	0.22	1 MS.Trt_vs_MS.NoTrt_B
CNNM3	0.00334	0.46559	0.492	0.63	1 MS.Trt_vs_MS.NoTrt_B
PTER	0.00334	-0.6247	0.107	0.19	1 MS.Trt_vs_MS.NoTrt_B
PTBP3	0.00335	0.72029	0.235	0.36	1 MS.Trt_vs_MS.NoTrt_B
PPIP5K2	0.00335	0.47146	0.671	0.86	1 MS.Trt_vs_MS.NoTrt_B
RTKL1-TNFR	0.0034	-0.3564	0.046	0.11	1 MS.Trt_vs_MS.NoTrt_B
ACADS	0.00342	-0.9398	0.05	0.11	1 MS.Trt_vs_MS.NoTrt_B
NHEJ1	0.00342	-1.7969	0.111	0.2	1 MS.Trt_vs_MS.NoTrt_B
RBM14	0.00346	-0.3136	0.135	0.23	1 MS.Trt_vs_MS.NoTrt_B
CSNK1G3	0.00346	-0.4409	0.046	0.11	1 MS.Trt_vs_MS.NoTrt_B
KLHL18	0.00346	-0.8697	0.279	0.39	1 MS.Trt_vs_MS.NoTrt_B
USB1	0.00347	-0.3618	0.072	0.15	1 MS.Trt_vs_MS.NoTrt_B
DDIT4	0.00347	-0.7217	0.12	0.21	1 MS.Trt_vs_MS.NoTrt_B
AZIN2	0.00348	1.02812	0.183	0.29	1 MS.Trt_vs_MS.NoTrt_B
SYNJ2	0.00349	-0.3198	0.789	0.89	1 MS.Trt_vs_MS.NoTrt_B
MRPL46	0.00351	0.32104	0.183	0.29	1 MS.Trt_vs_MS.NoTrt_B
ATF7	0.00352	0.42967	0.353	0.5	1 MS.Trt_vs_MS.NoTrt_B
TGFBR3	0.00352	0.25084	0.34	0.47	1 MS.Trt_vs_MS.NoTrt_B
SEMA4D	0.00354	0.31273	0.375	0.52	1 MS.Trt_vs_MS.NoTrt_B
SEMA3B	0.00354	0.32315	0.157	0.26	1 MS.Trt_vs_MS.NoTrt_B
AD000671.6	0.00355	-0.3693	0.061	0.13	1 MS.Trt_vs_MS.NoTrt_B
INO80E	0.00356	0.49196	0.131	0.23	1 MS.Trt_vs_MS.NoTrt_B
CLU	0.00356	-0.6082	0.355	0.48	1 MS.Trt_vs_MS.NoTrt_B
STX5	0.00356	-0.9362	0.044	0.1	1 MS.Trt_vs_MS.NoTrt_B
C10orf76	0.00356	-0.3222	0.218	0.34	1 MS.Trt_vs_MS.NoTrt_B
CEP164	0.00357	-0.8836	0.092	0.17	1 MS.Trt_vs_MS.NoTrt_B

LEKR1	0.00358	-0.3583	0.115	0.21	1 MS.Trt_vs_MS.NoTrt_B
THAP4	0.00359	-0.2789	0.085	0.16	1 MS.Trt_vs_MS.NoTrt_B
CLK4	0.00359	0.40847	0.551	0.69	1 MS.Trt_vs_MS.NoTrt_B
PIKFYVE	0.00359	0.34813	0.303	0.42	1 MS.Trt_vs_MS.NoTrt_B
QSOX1	0.0036	-0.4731	0.253	0.36	1 MS.Trt_vs_MS.NoTrt_B
CD2BP2	0.00361	-0.3623	0.113	0.2	1 MS.Trt_vs_MS.NoTrt_B
VOPP1	0.00361	-0.4004	0.227	0.33	1 MS.Trt_vs_MS.NoTrt_B
CA5B	0.00361	0.37711	0.734	0.89	1 MS.Trt_vs_MS.NoTrt_B
INSIG1	0.00362	0.35148	0.098	0.18	1 MS.Trt_vs_MS.NoTrt_B
USP53	0.00362	0.28681	0.425	0.56	1 MS.Trt_vs_MS.NoTrt_B
SMARCC1	0.00363	-0.4113	0.364	0.48	1 MS.Trt_vs_MS.NoTrt_B
UBLCP1	0.00365	-0.5455	0.124	0.21	1 MS.Trt_vs_MS.NoTrt_B
NCOR1	0.00366	0.25344	0.943	1	1 MS.Trt_vs_MS.NoTrt_B
GTF3C2	0.00366	-0.2741	0.41	0.56	1 MS.Trt_vs_MS.NoTrt_B
POMT1	0.00366	-0.8006	0.436	0.58	1 MS.Trt_vs_MS.NoTrt_B
DEPDC1B	0.00367	-0.2831	0.146	0.24	1 MS.Trt_vs_MS.NoTrt_B
LYRM1	0.00368	0.76692	0.416	0.57	1 MS.Trt_vs_MS.NoTrt_B
CBLL1	0.00369	0.30949	0.246	0.38	1 MS.Trt_vs_MS.NoTrt_B
AMZ2	0.0037	0.3756	0.41	0.55	1 MS.Trt_vs_MS.NoTrt_B
BICDL1	0.0037	0.63707	0.464	0.57	1 MS.Trt_vs_MS.NoTrt_B
ALMS1	0.00371	-0.694	0.342	0.46	1 MS.Trt_vs_MS.NoTrt_B
CXorf21	0.00371	-1.1269	0.227	0.33	1 MS.Trt_vs_MS.NoTrt_B
ITGAE	0.00372	0.32072	0.434	0.6	1 MS.Trt_vs_MS.NoTrt_B
ZNF524	0.00372	-0.3196	0.061	0.13	1 MS.Trt_vs_MS.NoTrt_B
SAP18	0.00372	0.27082	0.316	0.45	1 MS.Trt_vs_MS.NoTrt_B
SETX	0.00373	0.41706	0.22	0.35	1 MS.Trt_vs_MS.NoTrt_B
KTN1	0.00378	0.84388	0.449	0.67	1 MS.Trt_vs_MS.NoTrt_B
EEA1	0.00381	-0.3365	0.155	0.25	1 MS.Trt_vs_MS.NoTrt_B
MALSU1	0.00382	-0.3927	0.085	0.16	1 MS.Trt_vs_MS.NoTrt_B
XXYLT1	0.00382	-0.7181	0.159	0.25	1 MS.Trt_vs_MS.NoTrt_B
RCN1	0.00383	-0.8964	0.078	0.15	1 MS.Trt_vs_MS.NoTrt_B
NBPF26	0.00384	0.25021	0.218	0.32	1 MS.Trt_vs_MS.NoTrt_B
PFKL	0.00386	-0.369	0.658	0.73	1 MS.Trt_vs_MS.NoTrt_B
KDM7A	0.00387	0.28344	0.139	0.23	1 MS.Trt_vs_MS.NoTrt_B
NET1	0.00388	-0.4166	0.054	0.12	1 MS.Trt_vs_MS.NoTrt_B
MRPL39	0.0039	-0.2593	0.078	0.15	1 MS.Trt_vs_MS.NoTrt_B
PIGA	0.00391	0.37949	0.316	0.43	1 MS.Trt_vs_MS.NoTrt_B
RNF41	0.00391	0.34492	0.606	0.75	1 MS.Trt_vs_MS.NoTrt_B
KLHL12	0.00395	-1.0176	0.048	0.11	1 MS.Trt_vs_MS.NoTrt_B
TTN	0.00396	0.42963	0.532	0.69	1 MS.Trt_vs_MS.NoTrt_B

ZNF365	0.00396	-0.5862	0.229	0.35	1 MS.Trt_vs_MS.NoTrt_B
TMEM222	0.00397	-0.8107	0.078	0.15	1 MS.Trt_vs_MS.NoTrt_B
OGFOD1	0.00397	0.44983	0.529	0.68	1 MS.Trt_vs_MS.NoTrt_B
RNF212	0.00397	-0.3924	0.427	0.58	1 MS.Trt_vs_MS.NoTrt_B
YTHDC1	0.00399	0.25921	0.359	0.48	1 MS.Trt_vs_MS.NoTrt_B
LMNA	0.004	-0.3942	0.451	0.56	1 MS.Trt_vs_MS.NoTrt_B
CNTNAP1	0.004	-0.3559	0.351	0.48	1 MS.Trt_vs_MS.NoTrt_B
KATNA1	0.004	-0.707	0.059	0.12	1 MS.Trt_vs_MS.NoTrt_B
CDCA3	0.004	-0.8344	0.455	0.57	1 MS.Trt_vs_MS.NoTrt_B
FBXO24	0.00401	-0.3859	0.294	0.43	1 MS.Trt_vs_MS.NoTrt_B
CNNM2	0.00401	-0.3874	0.207	0.31	1 MS.Trt_vs_MS.NoTrt_B
SLC41A2	0.00404	-0.3763	0.179	0.28	1 MS.Trt_vs_MS.NoTrt_B
EPHA4	0.00404	0.33529	0.133	0.23	1 MS.Trt_vs_MS.NoTrt_B
BCAT2	0.00406	0.40552	0.118	0.21	1 MS.Trt_vs_MS.NoTrt_B
RCAN1	0.00406	0.26823	0.211	0.32	1 MS.Trt_vs_MS.NoTrt_B
UBR4	0.00406	0.26531	0.608	0.78	1 MS.Trt_vs_MS.NoTrt_B
SEC24C	0.00406	-0.4531	0.17	0.26	1 MS.Trt_vs_MS.NoTrt_B
YPEL2	0.00407	-0.368	0.142	0.23	1 MS.Trt_vs_MS.NoTrt_B
SMARCA5	0.00408	0.63769	0.27	0.4	1 MS.Trt_vs_MS.NoTrt_B
FBXO15	0.00409	0.25491	0.458	0.58	1 MS.Trt_vs_MS.NoTrt_B
RUSC1	0.00411	-0.9794	0.044	0.1	1 MS.Trt_vs_MS.NoTrt_B
ADARB2	0.00411	0.56308	0.216	0.35	1 MS.Trt_vs_MS.NoTrt_B
TPK1	0.00413	0.43868	0.253	0.37	1 MS.Trt_vs_MS.NoTrt_B
SLC16A10	0.00413	0.33311	0.704	0.81	1 MS.Trt_vs_MS.NoTrt_B
GTPBP8	0.00416	-0.3847	0.545	0.66	1 MS.Trt_vs_MS.NoTrt_B
CHMP5	0.00416	-0.5142	0.078	0.15	1 MS.Trt_vs_MS.NoTrt_B
MAP1LC3B	0.00416	0.47706	0.272	0.4	1 MS.Trt_vs_MS.NoTrt_B
ST3GAL3	0.00417	-0.4907	0.654	0.82	1 MS.Trt_vs_MS.NoTrt_B
HERPUD2	0.00417	0.2826	0.375	0.49	1 MS.Trt_vs_MS.NoTrt_B
TRAPPC6A	0.00421	-0.4121	0.126	0.22	1 MS.Trt_vs_MS.NoTrt_B
JKAMP	0.00421	0.2676	0.678	0.81	1 MS.Trt_vs_MS.NoTrt_B
MAN1B1	0.00422	-0.5304	0.264	0.37	1 MS.Trt_vs_MS.NoTrt_B
VWA9	0.00422	-0.4974	0.059	0.12	1 MS.Trt_vs_MS.NoTrt_B
C10orf95	0.00422	-0.3648	0.179	0.27	1 MS.Trt_vs_MS.NoTrt_B
COPS3	0.00423	-0.2547	0.198	0.29	1 MS.Trt_vs_MS.NoTrt_B
KDM2A	0.00423	0.29591	0.778	0.88	1 MS.Trt_vs_MS.NoTrt_B
HSD17B4	0.00423	0.44535	0.477	0.63	1 MS.Trt_vs_MS.NoTrt_B
SETD7	0.00424	-0.391	0.728	0.84	1 MS.Trt_vs_MS.NoTrt_B
CLDND1	0.00425	0.39646	0.27	0.4	1 MS.Trt_vs_MS.NoTrt_B
ACAA1	0.00425	-0.4751	0.325	0.45	1 MS.Trt_vs_MS.NoTrt_B



LSS	0.00425	-0.3614	0.07	0.14	1	MS.Trt_vs_MS.NoTrt_B
KDELC2	0.00426	-0.8088	0.442	0.55	1	MS.Trt_vs_MS.NoTrt_B
NDUFAF6	0.00427	0.3562	0.484	0.63	1	MS.Trt_vs_MS.NoTrt_B
KIAA0907	0.00427	0.63969	0.632	0.78	1	MS.Trt_vs_MS.NoTrt_B
FRA10AC1	0.00427	1.0311	0.423	0.61	1	MS.Trt_vs_MS.NoTrt_B
COG2	0.0043	-0.349	0.275	0.38	1	MS.Trt_vs_MS.NoTrt_B
NCOA6	0.00431	0.42789	0.551	0.69	1	MS.Trt_vs_MS.NoTrt_B
AIMP2	0.00432	-0.9793	0.257	0.36	1	MS.Trt_vs_MS.NoTrt_B
KDM4B	0.00432	-0.2799	0.49	0.6	1	MS.Trt_vs_MS.NoTrt_B
PSKH1	0.00434	-0.4287	0.065	0.14	1	MS.Trt_vs_MS.NoTrt_B
NAT10	0.00435	-0.6614	0.251	0.36	1	MS.Trt_vs_MS.NoTrt_B
C19orf48	0.00436	-1.1296	0.281	0.4	1	MS.Trt_vs_MS.NoTrt_B
TOR2A	0.00436	-0.735	0.044	0.1	1	MS.Trt_vs_MS.NoTrt_B
POLR3E	0.00442	0.40048	0.386	0.54	1	MS.Trt_vs_MS.NoTrt_B
EXO1	0.00447	-1.1756	0.109	0.2	1	MS.Trt_vs_MS.NoTrt_B
MIPOL1	0.00447	0.35758	0.974	0.98	1	MS.Trt_vs_MS.NoTrt_B
C1R	0.00447	0.40779	0.242	0.38	1	MS.Trt_vs_MS.NoTrt_B
ZNF557	0.00449	0.51511	0.758	0.86	1	MS.Trt_vs_MS.NoTrt_B
ARNT	0.00449	-0.6147	0.63	0.77	1	MS.Trt_vs_MS.NoTrt_B
ANKRD27	0.0045	0.36064	0.131	0.22	1	MS.Trt_vs_MS.NoTrt_B
UTP18	0.00451	-0.5913	0.115	0.2	1	MS.Trt_vs_MS.NoTrt_B
HAAO	0.00452	-0.7116	0.054	0.12	1	MS.Trt_vs_MS.NoTrt_B
PQLC2	0.00452	-0.704	0.32	0.45	1	MS.Trt_vs_MS.NoTrt_B
ARHGAP31	0.00453	0.30546	0.176	0.29	1	MS.Trt_vs_MS.NoTrt_B
RPL7	0.00455	0.36094	0.904	1	1	MS.Trt_vs_MS.NoTrt_B
PPIF	0.00455	-0.541	0.044	0.1	1	MS.Trt_vs_MS.NoTrt_B
SEC14L1	0.00456	-0.6642	0.527	0.67	1	MS.Trt_vs_MS.NoTrt_B
CEP104	0.00458	0.2638	0.564	0.65	1	MS.Trt_vs_MS.NoTrt_B
CDC14B	0.00458	-0.9446	0.179	0.29	1	MS.Trt_vs_MS.NoTrt_B
PITPNA	0.00459	-0.7384	0.059	0.12	1	MS.Trt_vs_MS.NoTrt_B
FBXO5	0.00459	0.57079	0.268	0.4	1	MS.Trt_vs_MS.NoTrt_B
DTYMK	0.00459	0.30102	0.429	0.55	1	MS.Trt_vs_MS.NoTrt_B
JMJD6	0.0046	-0.6401	0.322	0.44	1	MS.Trt_vs_MS.NoTrt_B
TRERF1	0.0046	-0.2628	0.135	0.23	1	MS.Trt_vs_MS.NoTrt_B
MUT	0.0046	-0.4826	0.044	0.1	1	MS.Trt_vs_MS.NoTrt_B
FCGRT	0.00461	-0.3874	0.139	0.23	1	MS.Trt_vs_MS.NoTrt_B
NABP2	0.00462	-0.8274	0.368	0.49	1	MS.Trt_vs_MS.NoTrt_B
PARBP	0.00462	0.68429	0.257	0.38	1	MS.Trt_vs_MS.NoTrt_B
SLC25A11	0.00466	-0.3341	0.102	0.18	1	MS.Trt_vs_MS.NoTrt_B
TRMT1L	0.0047	-0.4477	0.068	0.14	1	MS.Trt_vs_MS.NoTrt_B

SMG8	0.00471	-0.5896	0.063	0.13	1 MS.Trt_vs_MS.NoTrt_B
ACYP1	0.00472	0.26153	0.168	0.27	1 MS.Trt_vs_MS.NoTrt_B
VPS72	0.00472	0.30137	0.089	0.17	1 MS.Trt_vs_MS.NoTrt_B
WDR18	0.00472	-0.4741	0.063	0.13	1 MS.Trt_vs_MS.NoTrt_B
ALG13	0.00473	0.30973	0.19	0.3	1 MS.Trt_vs_MS.NoTrt_B
ENO2	0.00473	-0.4748	0.174	0.27	1 MS.Trt_vs_MS.NoTrt_B
AP4E1	0.00475	0.7327	0.264	0.38	1 MS.Trt_vs_MS.NoTrt_B
PRKAA1	0.00475	0.31705	0.719	0.9	1 MS.Trt_vs_MS.NoTrt_B
ARFGAP2	0.00475	-0.2552	0.455	0.6	1 MS.Trt_vs_MS.NoTrt_B
ASB6	0.00476	-0.8921	0.436	0.54	1 MS.Trt_vs_MS.NoTrt_B
CLPX	0.00476	0.56586	0.569	0.73	1 MS.Trt_vs_MS.NoTrt_B
FAM47E-STE	0.00476	0.49338	0.115	0.21	1 MS.Trt_vs_MS.NoTrt_B
TBXAS1	0.00477	-0.35	0.292	0.42	1 MS.Trt_vs_MS.NoTrt_B
CARD19	0.00478	-0.2549	0.205	0.31	1 MS.Trt_vs_MS.NoTrt_B
DAGLB	0.0048	0.26517	0.654	0.84	1 MS.Trt_vs_MS.NoTrt_B
MAGED1	0.0048	-0.4596	0.571	0.69	1 MS.Trt_vs_MS.NoTrt_B
NCBP1	0.00484	0.58687	0.556	0.71	1 MS.Trt_vs_MS.NoTrt_B
COMMD6	0.00484	0.67633	0.34	0.53	1 MS.Trt_vs_MS.NoTrt_B
CWF19L1	0.00487	-0.4484	0.699	0.83	1 MS.Trt_vs_MS.NoTrt_B
PLS3	0.00489	0.4617	0.283	0.43	1 MS.Trt_vs_MS.NoTrt_B
C5orf63	0.00489	-0.2895	0.257	0.37	1 MS.Trt_vs_MS.NoTrt_B
PRPSAP1	0.00491	-0.3648	0.575	0.71	1 MS.Trt_vs_MS.NoTrt_B
CCDC126	0.00492	1.20824	0.072	0.15	1 MS.Trt_vs_MS.NoTrt_B
SULT1A1	0.00492	-0.3196	0.464	0.6	1 MS.Trt_vs_MS.NoTrt_B
FAM3A	0.00495	0.41155	0.638	0.84	1 MS.Trt_vs_MS.NoTrt_B
EHD4	0.00495	-0.3529	0.309	0.41	1 MS.Trt_vs_MS.NoTrt_B
SPA17	0.00496	-0.4016	0.153	0.25	1 MS.Trt_vs_MS.NoTrt_B
RNF135	0.00498	-0.7332	0.174	0.28	1 MS.Trt_vs_MS.NoTrt_B
PPT1	0.00502	0.25051	0.17	0.27	1 MS.Trt_vs_MS.NoTrt_B
MED31	0.00502	0.3836	0.076	0.15	1 MS.Trt_vs_MS.NoTrt_B
RBBP8	0.00503	1.25321	0.05	0.11	1 MS.Trt_vs_MS.NoTrt_B
DBN1	0.00505	0.27586	0.209	0.12	1 MS.Trt_vs_MS.NoTrt_B
ITPKB	0.00506	0.61231	0.423	0.59	1 MS.Trt_vs_MS.NoTrt_B
GRAMD1B	0.00507	0.32358	0.292	0.41	1 MS.Trt_vs_MS.NoTrt_B
CEBPZ	0.00509	0.31657	0.17	0.28	1 MS.Trt_vs_MS.NoTrt_B
RUNX2	0.00509	-0.3369	0.124	0.21	1 MS.Trt_vs_MS.NoTrt_B
HSPB1	0.00511	0.32384	0.257	0.38	1 MS.Trt_vs_MS.NoTrt_B
STK38L	0.00512	-0.5102	0.593	0.7	1 MS.Trt_vs_MS.NoTrt_B
C2orf69	0.00514	-0.3187	0.163	0.26	1 MS.Trt_vs_MS.NoTrt_B
EIF2S3	0.00514	0.67727	0.943	0.95	1 MS.Trt_vs_MS.NoTrt_B

GM2A	0.00517	-1.0239	0.462	0.57	1 MS.Trt_vs_MS.NoTrt_B
NPHP3	0.00518	0.61188	0.754	0.91	1 MS.Trt_vs_MS.NoTrt_B
WNK1	0.00519	0.38017	0.41	0.57	1 MS.Trt_vs_MS.NoTrt_B
CARD17	0.00519	-0.3729	0.048	0.11	1 MS.Trt_vs_MS.NoTrt_B
GCNT4	0.00521	1.45505	0.501	0.43	1 MS.Trt_vs_MS.NoTrt_B
PCMTD1	0.00522	0.49916	0.224	0.35	1 MS.Trt_vs_MS.NoTrt_B
KIAA0368	0.00522	-0.4798	0.148	0.24	1 MS.Trt_vs_MS.NoTrt_B
RNF20	0.00524	-0.7602	0.061	0.12	1 MS.Trt_vs_MS.NoTrt_B
UBE2W	0.00524	0.62832	0.499	0.64	1 MS.Trt_vs_MS.NoTrt_B
BLOC1S3	0.00524	0.29066	0.464	0.61	1 MS.Trt_vs_MS.NoTrt_B
WDR45B	0.00525	-0.4006	0.333	0.45	1 MS.Trt_vs_MS.NoTrt_B
NIT2	0.00527	0.30068	0.516	0.69	1 MS.Trt_vs_MS.NoTrt_B
TMEM265	0.00528	-0.4223	0.048	0.11	1 MS.Trt_vs_MS.NoTrt_B
ZNF292	0.00528	0.55874	0.728	0.86	1 MS.Trt_vs_MS.NoTrt_B
HOMER2	0.00528	0.7955	0.455	0.58	1 MS.Trt_vs_MS.NoTrt_B
ASXL2	0.00528	0.30126	0.113	0.2	1 MS.Trt_vs_MS.NoTrt_B
RABIF	0.0053	-0.2818	0.257	0.37	1 MS.Trt_vs_MS.NoTrt_B
CCDC66	0.00531	0.66883	0.505	0.65	1 MS.Trt_vs_MS.NoTrt_B
RPF2	0.00532	-0.3344	0.19	0.29	1 MS.Trt_vs_MS.NoTrt_B
TTC1	0.00532	0.39185	0.159	0.25	1 MS.Trt_vs_MS.NoTrt_B
ZNF141	0.00533	-0.3393	0.919	0.98	1 MS.Trt_vs_MS.NoTrt_B
DCAF13	0.00533	0.29015	0.503	0.62	1 MS.Trt_vs_MS.NoTrt_B
UTP15	0.00533	-0.3934	0.279	0.41	1 MS.Trt_vs_MS.NoTrt_B
CRIP2	0.00534	-0.7126	0.096	0.17	1 MS.Trt_vs_MS.NoTrt_B
ALOX12	0.00534	-0.4041	0.048	0.11	1 MS.Trt_vs_MS.NoTrt_B
GRK3	0.00535	-0.3038	0.246	0.34	1 MS.Trt_vs_MS.NoTrt_B
RGP1	0.00535	-0.5919	0.087	0.16	1 MS.Trt_vs_MS.NoTrt_B
EIF3E	0.00536	0.52587	0.455	0.62	1 MS.Trt_vs_MS.NoTrt_B
TXNDC15	0.00538	-0.2923	0.514	0.64	1 MS.Trt_vs_MS.NoTrt_B
TRAF3IP2	0.0054	-0.8346	0.767	0.86	1 MS.Trt_vs_MS.NoTrt_B
CSRP1	0.0054	-0.5331	0.42	0.52	1 MS.Trt_vs_MS.NoTrt_B
BAG6	0.00543	0.43005	0.444	0.56	1 MS.Trt_vs_MS.NoTrt_B
L3MBTL2	0.00545	-0.2643	0.597	0.75	1 MS.Trt_vs_MS.NoTrt_B
FBXO48	0.00547	0.52563	0.534	0.68	1 MS.Trt_vs_MS.NoTrt_B
RBM27	0.00549	0.49589	0.087	0.16	1 MS.Trt_vs_MS.NoTrt_B
IQCF3	0.00549	0.29201	0.2	0.33	1 MS.Trt_vs_MS.NoTrt_B
RALGAPB	0.00551	-0.2841	0.192	0.29	1 MS.Trt_vs_MS.NoTrt_B
CORO7-PAM	0.00551	-0.7456	0.076	0.15	1 MS.Trt_vs_MS.NoTrt_B
AMY2B	0.00552	0.53631	0.464	0.63	1 MS.Trt_vs_MS.NoTrt_B
TAF11	0.00553	-0.329	0.351	0.51	1 MS.Trt_vs_MS.NoTrt_B

NUDT15	0.00557	-0.2787	0.436	0.59	1 MS.Trt_vs_MS.NoTrt_B
SIDT2	0.00558	0.64892	0.654	0.79	1 MS.Trt_vs_MS.NoTrt_B
CXorf40A	0.00559	0.39634	0.052	0.11	1 MS.Trt_vs_MS.NoTrt_B
CBX6	0.0056	0.48329	0.366	0.53	1 MS.Trt_vs_MS.NoTrt_B
ZBTB80S	0.00562	-0.2935	0.878	1	1 MS.Trt_vs_MS.NoTrt_B
CABIN1	0.00565	-0.3454	0.137	0.23	1 MS.Trt_vs_MS.NoTrt_B
RPAP3	0.0057	0.40814	0.532	0.69	1 MS.Trt_vs_MS.NoTrt_B
ZSWIM1	0.0057	0.28145	0.636	0.76	1 MS.Trt_vs_MS.NoTrt_B
ORMDL3	0.00572	-0.7834	0.085	0.16	1 MS.Trt_vs_MS.NoTrt_B
CHTOP	0.00573	0.32323	0.44	0.59	1 MS.Trt_vs_MS.NoTrt_B
GPRIN3	0.00573	0.64684	0.346	0.49	1 MS.Trt_vs_MS.NoTrt_B
LYRM2	0.00573	-0.5178	0.673	0.81	1 MS.Trt_vs_MS.NoTrt_B
NEDD1	0.00574	-0.4434	0.057	0.12	1 MS.Trt_vs_MS.NoTrt_B
MCM8	0.00574	-0.3141	0.573	0.7	1 MS.Trt_vs_MS.NoTrt_B
NIPBL	0.00575	0.51462	0.416	0.57	1 MS.Trt_vs_MS.NoTrt_B
VAMP8	0.00577	0.34068	0.227	0.37	1 MS.Trt_vs_MS.NoTrt_B
C21orf58	0.00578	-0.4617	0.346	0.49	1 MS.Trt_vs_MS.NoTrt_B
SMIM19	0.00578	0.69112	0.355	0.47	1 MS.Trt_vs_MS.NoTrt_B
ATF1	0.00578	0.54767	0.096	0.17	1 MS.Trt_vs_MS.NoTrt_B
LPGAT1	0.00579	-0.3195	0.346	0.47	1 MS.Trt_vs_MS.NoTrt_B
LILRB3	0.00579	-1.5863	0.085	0.16	1 MS.Trt_vs_MS.NoTrt_B
DSTN	0.0058	0.71841	0.425	0.56	1 MS.Trt_vs_MS.NoTrt_B
ARL13B	0.0058	-0.6417	0.137	0.23	1 MS.Trt_vs_MS.NoTrt_B
ACTR6	0.00582	0.30754	0.412	0.54	1 MS.Trt_vs_MS.NoTrt_B
COQ5	0.00583	-0.5257	0.693	0.89	1 MS.Trt_vs_MS.NoTrt_B
SLC16A1	0.00584	-0.5546	0.089	0.16	1 MS.Trt_vs_MS.NoTrt_B
DCAF7	0.00584	-0.3536	0.229	0.32	1 MS.Trt_vs_MS.NoTrt_B
KCTD18	0.00585	0.37303	0.647	0.81	1 MS.Trt_vs_MS.NoTrt_B
PPP1R11	0.00586	-0.2544	0.129	0.22	1 MS.Trt_vs_MS.NoTrt_B
COQ8A	0.00586	-0.9191	0.497	0.62	1 MS.Trt_vs_MS.NoTrt_B
EPB41L2	0.00586	-0.9768	0.074	0.15	1 MS.Trt_vs_MS.NoTrt_B
HERC1	0.00586	0.37912	0.669	0.79	1 MS.Trt_vs_MS.NoTrt_B
WDTC1	0.0059	-0.5776	0.233	0.35	1 MS.Trt_vs_MS.NoTrt_B
LIN54	0.00593	0.62998	0.444	0.63	1 MS.Trt_vs_MS.NoTrt_B
CCDC117	0.00594	1.08131	0.205	0.31	1 MS.Trt_vs_MS.NoTrt_B
NTMT1	0.00594	0.67677	0.129	0.22	1 MS.Trt_vs_MS.NoTrt_B
SETD5	0.00596	0.38009	0.388	0.53	1 MS.Trt_vs_MS.NoTrt_B
APLP2	0.00602	-0.2832	0.819	0.93	1 MS.Trt_vs_MS.NoTrt_B
ZNF831	0.00602	0.27789	0.137	0.23	1 MS.Trt_vs_MS.NoTrt_B
SMURF1	0.00605	0.51306	0.074	0.15	1 MS.Trt_vs_MS.NoTrt_B

TAF15	0.00607	-0.3948	0.144	0.23	1 MS.Trt_vs_MS.NoTrt_B
ALDH5A1	0.00609	0.9365	0.392	0.51	1 MS.Trt_vs_MS.NoTrt_B
VPS26B	0.00611	-0.3682	0.061	0.12	1 MS.Trt_vs_MS.NoTrt_B
SURF2	0.00613	-0.5325	0.052	0.11	1 MS.Trt_vs_MS.NoTrt_B
RRBP1	0.00614	0.54542	0.19	0.3	1 MS.Trt_vs_MS.NoTrt_B
ATXN1	0.00616	0.28695	0.288	0.41	1 MS.Trt_vs_MS.NoTrt_B
TARS	0.00617	-0.2556	0.135	0.22	1 MS.Trt_vs_MS.NoTrt_B
MECP2	0.00618	0.3474	0.789	0.92	1 MS.Trt_vs_MS.NoTrt_B
NBPF9	0.00619	0.25154	0.575	0.72	1 MS.Trt_vs_MS.NoTrt_B
OTUB1	0.0062	0.40486	0.795	0.91	1 MS.Trt_vs_MS.NoTrt_B
CWC25	0.00622	-0.6677	0.257	0.35	1 MS.Trt_vs_MS.NoTrt_B
VPS52	0.00622	-0.4402	0.094	0.17	1 MS.Trt_vs_MS.NoTrt_B
THUMPD2	0.00625	-0.3409	0.296	0.4	1 MS.Trt_vs_MS.NoTrt_B
MTBP	0.00625	0.30274	0.484	0.62	1 MS.Trt_vs_MS.NoTrt_B
FPR1	0.00626	0.29078	0.32	0.45	1 MS.Trt_vs_MS.NoTrt_B
RNF121	0.00631	-0.3322	0.24	0.35	1 MS.Trt_vs_MS.NoTrt_B
SYNRG	0.00634	0.40051	0.871	0.96	1 MS.Trt_vs_MS.NoTrt_B
NUDT3	0.00634	0.35489	0.46	0.57	1 MS.Trt_vs_MS.NoTrt_B
SORL1	0.00635	0.31074	0.673	0.78	1 MS.Trt_vs_MS.NoTrt_B
HHLA1	0.00635	0.27792	0.279	0.41	1 MS.Trt_vs_MS.NoTrt_B
CNOT6L	0.00636	0.76386	0.166	0.27	1 MS.Trt_vs_MS.NoTrt_B
ASMTL	0.00637	-0.5913	0.065	0.13	1 MS.Trt_vs_MS.NoTrt_B
NSUN6	0.00638	0.56747	0.549	0.69	1 MS.Trt_vs_MS.NoTrt_B
TTC16	0.00642	0.85582	0.438	0.62	1 MS.Trt_vs_MS.NoTrt_B
TIMELESS	0.00642	-0.3253	0.172	0.27	1 MS.Trt_vs_MS.NoTrt_B
CKAP2	0.00643	-0.644	0.085	0.16	1 MS.Trt_vs_MS.NoTrt_B
ZNF419	0.00644	0.53611	0.656	0.81	1 MS.Trt_vs_MS.NoTrt_B
NUTF2	0.00646	-0.5663	0.111	0.19	1 MS.Trt_vs_MS.NoTrt_B
TM9SF1	0.00647	-0.592	0.19	0.29	1 MS.Trt_vs_MS.NoTrt_B
ZNF615	0.00648	0.51312	0.331	0.46	1 MS.Trt_vs_MS.NoTrt_B
SLC4A1AP	0.00651	0.30719	0.667	0.81	1 MS.Trt_vs_MS.NoTrt_B
C19orf44	0.00654	0.3664	0.255	0.37	1 MS.Trt_vs_MS.NoTrt_B
MCL1	0.00654	0.26619	0.261	0.38	1 MS.Trt_vs_MS.NoTrt_B
TTC22	0.00658	-0.3081	0.32	0.45	1 MS.Trt_vs_MS.NoTrt_B
PRKDC	0.00659	0.48021	0.521	0.65	1 MS.Trt_vs_MS.NoTrt_B
NSL1	0.00661	0.34631	0.593	0.76	1 MS.Trt_vs_MS.NoTrt_B
CCDC186	0.00662	0.51635	0.468	0.57	1 MS.Trt_vs_MS.NoTrt_B
C12orf10	0.00663	-0.3522	0.113	0.2	1 MS.Trt_vs_MS.NoTrt_B
NCAPD3	0.00663	-0.5471	0.05	0.11	1 MS.Trt_vs_MS.NoTrt_B
RNF141	0.00664	-0.384	0.285	0.41	1 MS.Trt_vs_MS.NoTrt_B

FAM127A	0.00664	-0.2589	0.065	0.13	1 MS.Trt_vs_MS.NoTrt_B
CDC23	0.00664	-0.9472	0.054	0.11	1 MS.Trt_vs_MS.NoTrt_B
PBX4	0.00668	-0.4419	0.085	0.16	1 MS.Trt_vs_MS.NoTrt_B
CTD-2192J10	0.00668	-0.3375	0.346	0.48	1 MS.Trt_vs_MS.NoTrt_B
NETO2	0.00669	0.65133	0.416	0.55	1 MS.Trt_vs_MS.NoTrt_B
PSMD2	0.00669	-0.5075	0.129	0.21	1 MS.Trt_vs_MS.NoTrt_B
SLC15A1	0.0067	0.33817	0.791	0.74	1 MS.Trt_vs_MS.NoTrt_B
RBM6	0.0067	0.33821	0.765	0.9	1 MS.Trt_vs_MS.NoTrt_B
NBEAL2	0.00676	-0.268	0.135	0.22	1 MS.Trt_vs_MS.NoTrt_B
RBM39	0.00677	0.25615	0.789	0.95	1 MS.Trt_vs_MS.NoTrt_B
DIXDC1	0.00678	0.26805	0.172	0.28	1 MS.Trt_vs_MS.NoTrt_B
C15orf53	0.00681	-0.3255	0.046	0.1	1 MS.Trt_vs_MS.NoTrt_B
ARRDC1	0.00682	-0.2841	0.172	0.27	1 MS.Trt_vs_MS.NoTrt_B
BPHL	0.00682	0.35919	0.444	0.6	1 MS.Trt_vs_MS.NoTrt_B
SNX11	0.00683	0.42396	0.501	0.65	1 MS.Trt_vs_MS.NoTrt_B
NUMBL	0.00685	-0.4678	0.466	0.58	1 MS.Trt_vs_MS.NoTrt_B
NDUFB6	0.00688	0.34064	0.442	0.56	1 MS.Trt_vs_MS.NoTrt_B
TMEM53	0.00688	0.85852	0.218	0.34	1 MS.Trt_vs_MS.NoTrt_B
CYP51A1	0.0069	-0.3123	0.362	0.5	1 MS.Trt_vs_MS.NoTrt_B
ATP6V1H	0.00691	-0.5993	0.272	0.38	1 MS.Trt_vs_MS.NoTrt_B
SLC10A7	0.00691	-0.399	0.046	0.1	1 MS.Trt_vs_MS.NoTrt_B
CENPM	0.00691	-0.2664	0.187	0.29	1 MS.Trt_vs_MS.NoTrt_B
HTATSF1	0.00691	0.3534	0.107	0.19	1 MS.Trt_vs_MS.NoTrt_B
RP11-295P9	0.00692	-0.4105	0.05	0.11	1 MS.Trt_vs_MS.NoTrt_B
RNF40	0.00693	-0.4537	0.065	0.13	1 MS.Trt_vs_MS.NoTrt_B
ATAD5	0.00693	0.55722	0.429	0.58	1 MS.Trt_vs_MS.NoTrt_B
CD46	0.00693	0.28712	0.688	0.84	1 MS.Trt_vs_MS.NoTrt_B
PABPC1L	0.00697	-0.9913	0.2	0.31	1 MS.Trt_vs_MS.NoTrt_B
MYO10	0.00699	-0.3277	0.586	0.77	1 MS.Trt_vs_MS.NoTrt_B
PYGM	0.00703	0.67633	0.536	0.69	1 MS.Trt_vs_MS.NoTrt_B
KIAA0100	0.00707	0.53913	0.375	0.5	1 MS.Trt_vs_MS.NoTrt_B
TPMT	0.00707	0.67027	0.61	0.75	1 MS.Trt_vs_MS.NoTrt_B
STK11	0.0071	-0.3067	0.251	0.36	1 MS.Trt_vs_MS.NoTrt_B
USP54	0.00711	0.40553	0.479	0.63	1 MS.Trt_vs_MS.NoTrt_B
MRPL57	0.00712	0.29591	0.632	0.71	1 MS.Trt_vs_MS.NoTrt_B
ZNF540	0.00715	0.87653	0.336	0.46	1 MS.Trt_vs_MS.NoTrt_B
PPP1R16A	0.0072	0.94853	0.331	0.45	1 MS.Trt_vs_MS.NoTrt_B
MCM5	0.00723	-0.299	0.146	0.23	1 MS.Trt_vs_MS.NoTrt_B
TSPOAP1	0.00727	-0.5459	0.131	0.22	1 MS.Trt_vs_MS.NoTrt_B
ERAP1	0.00728	0.43354	0.451	0.62	1 MS.Trt_vs_MS.NoTrt_B

PRR14L	0.00728	0.46269	0.301	0.42	1 MS.Trt_vs_MS.NoTrt_B
NPHP1	0.00728	0.32123	0.549	0.67	1 MS.Trt_vs_MS.NoTrt_B
PIK3AP1	0.00728	1.04413	0.076	0.15	1 MS.Trt_vs_MS.NoTrt_B
EMC1	0.0073	-0.4836	0.654	0.77	1 MS.Trt_vs_MS.NoTrt_B
PRRC2C	0.00731	0.31861	0.656	0.82	1 MS.Trt_vs_MS.NoTrt_B
UQCC1	0.00731	0.28105	0.397	0.52	1 MS.Trt_vs_MS.NoTrt_B
UPF3A	0.00733	0.51364	0.617	0.77	1 MS.Trt_vs_MS.NoTrt_B
NUBPL	0.00736	-0.2527	0.597	0.74	1 MS.Trt_vs_MS.NoTrt_B
MYBBP1A	0.00743	-0.6249	0.092	0.16	1 MS.Trt_vs_MS.NoTrt_B
ANAPC4	0.00743	-0.5189	0.176	0.27	1 MS.Trt_vs_MS.NoTrt_B
CCNF	0.00743	0.60408	0.336	0.46	1 MS.Trt_vs_MS.NoTrt_B
HSBP1	0.00743	0.69443	0.503	0.64	1 MS.Trt_vs_MS.NoTrt_B
RAB1A	0.00744	0.62219	0.096	0.17	1 MS.Trt_vs_MS.NoTrt_B
SMN1	0.00745	0.49463	0.296	0.42	1 MS.Trt_vs_MS.NoTrt_B
ZFYVE26	0.00746	-0.3639	0.708	0.86	1 MS.Trt_vs_MS.NoTrt_B
BDH1	0.00747	0.36936	0.789	0.94	1 MS.Trt_vs_MS.NoTrt_B
ATG4B	0.00747	-0.4431	0.129	0.21	1 MS.Trt_vs_MS.NoTrt_B
ADAM19	0.00747	0.29784	0.312	0.43	1 MS.Trt_vs_MS.NoTrt_B
NUDC	0.0075	0.45088	0.468	0.62	1 MS.Trt_vs_MS.NoTrt_B
NR1D2	0.0075	0.43282	0.076	0.15	1 MS.Trt_vs_MS.NoTrt_B
ATP9B	0.00752	0.28863	0.8	0.93	1 MS.Trt_vs_MS.NoTrt_B
CLMP	0.00752	0.63841	0.268	0.4	1 MS.Trt_vs_MS.NoTrt_B
SRGAP3	0.00753	0.40515	0.752	0.9	1 MS.Trt_vs_MS.NoTrt_B
EIF1AX	0.00753	0.56103	0.218	0.32	1 MS.Trt_vs_MS.NoTrt_B
ATP6V1B2	0.00755	0.41811	0.521	0.67	1 MS.Trt_vs_MS.NoTrt_B
PICK1	0.00755	0.79747	0.316	0.43	1 MS.Trt_vs_MS.NoTrt_B
FGFR1OP	0.00756	0.52334	0.704	0.81	1 MS.Trt_vs_MS.NoTrt_B
BCAS3	0.00759	-0.4305	0.743	0.85	1 MS.Trt_vs_MS.NoTrt_B
MRS2	0.00761	-0.7474	0.708	0.77	1 MS.Trt_vs_MS.NoTrt_B
SETD3	0.00761	-0.6729	0.059	0.12	1 MS.Trt_vs_MS.NoTrt_B
FAM120C	0.00763	0.46418	0.155	0.25	1 MS.Trt_vs_MS.NoTrt_B
TXNL4B	0.00765	-0.2952	0.257	0.37	1 MS.Trt_vs_MS.NoTrt_B
TP53BP2	0.00765	0.39899	0.102	0.18	1 MS.Trt_vs_MS.NoTrt_B
PDPR	0.00765	-0.2696	0.312	0.42	1 MS.Trt_vs_MS.NoTrt_B
NOC2L	0.00768	0.27621	0.625	0.77	1 MS.Trt_vs_MS.NoTrt_B
RANBP2	0.00769	0.43724	0.266	0.38	1 MS.Trt_vs_MS.NoTrt_B
CYP2R1	0.00771	-0.9995	0.068	0.13	1 MS.Trt_vs_MS.NoTrt_B
PIGC	0.00773	-0.5593	0.092	0.16	1 MS.Trt_vs_MS.NoTrt_B
NDUFV2	0.00774	0.3897	0.349	0.48	1 MS.Trt_vs_MS.NoTrt_B
NEIL3	0.00775	-0.5238	0.198	0.3	1 MS.Trt_vs_MS.NoTrt_B

EFNA5	0.00777	-0.3283	0.281	0.18	1 MS.Trt_vs_MS.NoTrt_B
NIPAL3	0.00778	0.30818	0.647	0.77	1 MS.Trt_vs_MS.NoTrt_B
ZNF581	0.0078	-0.7129	0.05	0.11	1 MS.Trt_vs_MS.NoTrt_B
LACTB	0.00784	-0.4251	0.458	0.58	1 MS.Trt_vs_MS.NoTrt_B
IGSF9	0.00787	-0.2582	0.17	0.27	1 MS.Trt_vs_MS.NoTrt_B
MKRN2	0.00787	-0.3633	0.065	0.13	1 MS.Trt_vs_MS.NoTrt_B
DGKE	0.00788	0.35659	0.603	0.74	1 MS.Trt_vs_MS.NoTrt_B
BIVM	0.00788	0.79675	0.218	0.32	1 MS.Trt_vs_MS.NoTrt_B
DDX41	0.00792	-0.8782	0.068	0.13	1 MS.Trt_vs_MS.NoTrt_B
STAMBPL1	0.00793	0.36098	0.346	0.48	1 MS.Trt_vs_MS.NoTrt_B
POLR2J2	0.00794	0.32619	0.27	0.38	1 MS.Trt_vs_MS.NoTrt_B
SHPRH	0.00794	0.63458	0.501	0.67	1 MS.Trt_vs_MS.NoTrt_B
FBXO46	0.00794	-0.2532	0.168	0.26	1 MS.Trt_vs_MS.NoTrt_B
ELOVL6	0.00796	-1.4948	0.205	0.3	1 MS.Trt_vs_MS.NoTrt_B
RANGRF	0.00798	-0.2836	0.065	0.13	1 MS.Trt_vs_MS.NoTrt_B
GSTCD	0.00798	0.28245	0.46	0.63	1 MS.Trt_vs_MS.NoTrt_B
TET2	0.00799	0.94881	0.355	0.51	1 MS.Trt_vs_MS.NoTrt_B
SOX6	0.00804	-0.4593	0.29	0.39	1 MS.Trt_vs_MS.NoTrt_B
ACAD8	0.00804	0.3651	0.403	0.54	1 MS.Trt_vs_MS.NoTrt_B
ZFYVE28	0.00805	0.26337	0.081	0.15	1 MS.Trt_vs_MS.NoTrt_B
ZNF383	0.00807	-0.2773	0.941	0.97	1 MS.Trt_vs_MS.NoTrt_B
LINC00854	0.00809	-0.3337	0.512	0.63	1 MS.Trt_vs_MS.NoTrt_B
ARHGAP8	0.00809	-0.3868	0.549	0.71	1 MS.Trt_vs_MS.NoTrt_B
AL589743.1	0.00813	-0.5008	0.425	0.55	1 MS.Trt_vs_MS.NoTrt_B
PNISR	0.00814	0.34242	0.479	0.67	1 MS.Trt_vs_MS.NoTrt_B
SULT1A4	0.00814	-0.2703	0.205	0.3	1 MS.Trt_vs_MS.NoTrt_B
MCTP2	0.00816	0.52704	0.27	0.41	1 MS.Trt_vs_MS.NoTrt_B
RABL6	0.00818	1.0937	0.42	0.52	1 MS.Trt_vs_MS.NoTrt_B
LHPP	0.00821	-0.2869	0.094	0.17	1 MS.Trt_vs_MS.NoTrt_B
TPP1	0.00822	0.35864	0.27	0.38	1 MS.Trt_vs_MS.NoTrt_B
ZNF71	0.00823	0.50553	0.157	0.25	1 MS.Trt_vs_MS.NoTrt_B
CHURC1-FN	0.00823	0.29164	0.161	0.26	1 MS.Trt_vs_MS.NoTrt_B
FAM47E	0.00824	0.31354	0.549	0.69	1 MS.Trt_vs_MS.NoTrt_B
LEMD3	0.00829	-0.2667	0.503	0.64	1 MS.Trt_vs_MS.NoTrt_B
CALR	0.00831	-0.4049	0.702	0.82	1 MS.Trt_vs_MS.NoTrt_B
ZNF76	0.00832	-0.4269	0.109	0.18	1 MS.Trt_vs_MS.NoTrt_B
CELF5	0.00833	-0.5383	0.179	0.28	1 MS.Trt_vs_MS.NoTrt_B
RCCD1	0.00835	-0.3351	0.102	0.18	1 MS.Trt_vs_MS.NoTrt_B
DNAJC15	0.00837	-0.5751	0.126	0.21	1 MS.Trt_vs_MS.NoTrt_B
ING4	0.00837	-0.4403	0.214	0.31	1 MS.Trt_vs_MS.NoTrt_B



C1orf35	0.00839	-0.3808	0.17	0.25	1 MS.Trt_vs_MS.NoTrt_B
SHTN1	0.00839	0.39441	0.05	0.11	1 MS.Trt_vs_MS.NoTrt_B
ZNF773	0.00845	-1.0232	0.464	0.56	1 MS.Trt_vs_MS.NoTrt_B
USP28	0.00847	-0.4424	0.266	0.38	1 MS.Trt_vs_MS.NoTrt_B
METRNL	0.00848	0.29242	0.059	0.12	1 MS.Trt_vs_MS.NoTrt_B
MUS81	0.00848	-0.4834	0.092	0.16	1 MS.Trt_vs_MS.NoTrt_B
ARPC4-TTL1	0.00853	-0.4239	0.054	0.11	1 MS.Trt_vs_MS.NoTrt_B
PRKCSH	0.00854	0.33361	0.623	0.77	1 MS.Trt_vs_MS.NoTrt_B
HMGX3	0.00858	0.38867	0.194	0.29	1 MS.Trt_vs_MS.NoTrt_B
SPOUT1	0.00858	-0.4401	0.098	0.17	1 MS.Trt_vs_MS.NoTrt_B
SCYL2	0.0086	-0.4624	0.074	0.14	1 MS.Trt_vs_MS.NoTrt_B
NFATC2	0.00861	0.3016	0.094	0.17	1 MS.Trt_vs_MS.NoTrt_B
SMARCA2	0.00862	0.5051	0.305	0.43	1 MS.Trt_vs_MS.NoTrt_B
HJURP	0.00863	-0.9551	0.275	0.39	1 MS.Trt_vs_MS.NoTrt_B
MED18	0.00863	-0.3766	0.447	0.59	1 MS.Trt_vs_MS.NoTrt_B
MAPRE1	0.00864	-0.2585	0.118	0.2	1 MS.Trt_vs_MS.NoTrt_B
ST3GAL5	0.00864	0.33231	0.229	0.33	1 MS.Trt_vs_MS.NoTrt_B
MKL2	0.00864	0.35833	0.573	0.72	1 MS.Trt_vs_MS.NoTrt_B
CARD8	0.00864	0.32461	0.786	0.89	1 MS.Trt_vs_MS.NoTrt_B
RABL3	0.00864	0.27352	0.525	0.67	1 MS.Trt_vs_MS.NoTrt_B
PHB2	0.00869	-0.3327	0.135	0.22	1 MS.Trt_vs_MS.NoTrt_B
NDUFB8	0.00871	0.51421	0.316	0.47	1 MS.Trt_vs_MS.NoTrt_B
FBXO31	0.00871	0.41162	0.2	0.31	1 MS.Trt_vs_MS.NoTrt_B
NUFIP2	0.00871	0.45943	0.325	0.46	1 MS.Trt_vs_MS.NoTrt_B
DDHD1	0.00879	0.55476	0.786	0.95	1 MS.Trt_vs_MS.NoTrt_B
LSM8	0.0088	0.63182	0.754	0.89	1 MS.Trt_vs_MS.NoTrt_B
SH3PXD2A	0.00883	0.62995	0.172	0.27	1 MS.Trt_vs_MS.NoTrt_B
IRAK4	0.00883	0.47028	0.471	0.58	1 MS.Trt_vs_MS.NoTrt_B
KDM5D	0.00885	-2.8482	0.22	0.31	1 MS.Trt_vs_MS.NoTrt_B
RSL24D1	0.0089	0.45888	0.24	0.35	1 MS.Trt_vs_MS.NoTrt_B
PDZD11	0.00892	-0.3467	0.059	0.12	1 MS.Trt_vs_MS.NoTrt_B
EFCAB5	0.00892	0.54816	0.312	0.44	1 MS.Trt_vs_MS.NoTrt_B
MAP3K13	0.00893	-0.252	0.725	0.85	1 MS.Trt_vs_MS.NoTrt_B
RPP30	0.009	0.40643	0.514	0.65	1 MS.Trt_vs_MS.NoTrt_B
MTMR6	0.00901	-0.7329	0.061	0.12	1 MS.Trt_vs_MS.NoTrt_B
PDS5B	0.00906	0.55589	0.272	0.38	1 MS.Trt_vs_MS.NoTrt_B
GPKOW	0.00908	-0.2899	0.054	0.11	1 MS.Trt_vs_MS.NoTrt_B
NUDT6	0.00914	0.28038	0.39	0.55	1 MS.Trt_vs_MS.NoTrt_B
PORCN	0.00918	-0.9867	0.048	0.1	1 MS.Trt_vs_MS.NoTrt_B
STRN4	0.00922	-0.4617	0.368	0.48	1 MS.Trt_vs_MS.NoTrt_B

ANKMY1	0.00924	-0.3246	0.318	0.43	1 MS.Trt_vs_MS.NoTrt_B
RNF2	0.00929	-0.5717	0.327	0.45	1 MS.Trt_vs_MS.NoTrt_B
C8orf44	0.0093	0.49604	0.407	0.57	1 MS.Trt_vs_MS.NoTrt_B
CAPN7	0.0093	0.41669	0.429	0.58	1 MS.Trt_vs_MS.NoTrt_B
SUGP1	0.00931	-0.3013	0.351	0.48	1 MS.Trt_vs_MS.NoTrt_B
ALPK1	0.00932	0.42757	0.571	0.76	1 MS.Trt_vs_MS.NoTrt_B
COQ9	0.00933	-0.6975	0.048	0.1	1 MS.Trt_vs_MS.NoTrt_B
GADD45B	0.00934	-0.8378	0.065	0.12	1 MS.Trt_vs_MS.NoTrt_B
SLC12A7	0.00935	-0.4071	0.083	0.15	1 MS.Trt_vs_MS.NoTrt_B
GSDMB	0.00935	-0.3491	0.756	0.89	1 MS.Trt_vs_MS.NoTrt_B
SRSF10	0.00936	0.48139	0.643	0.79	1 MS.Trt_vs_MS.NoTrt_B
TRAF5	0.00937	0.49004	0.562	0.72	1 MS.Trt_vs_MS.NoTrt_B
PIP4K2A	0.00937	0.49325	0.699	0.87	1 MS.Trt_vs_MS.NoTrt_B
ATIC	0.00943	0.29505	0.301	0.41	1 MS.Trt_vs_MS.NoTrt_B
ADAMTSL4	0.00944	0.35475	0.196	0.29	1 MS.Trt_vs_MS.NoTrt_B
PINLYP	0.00946	0.27366	0.442	0.61	1 MS.Trt_vs_MS.NoTrt_B
ZNF680	0.00954	1.03205	0.061	0.12	1 MS.Trt_vs_MS.NoTrt_B
EFCAB11	0.00956	0.39089	0.643	0.8	1 MS.Trt_vs_MS.NoTrt_B
TAF7	0.00956	0.33662	0.285	0.4	1 MS.Trt_vs_MS.NoTrt_B
LYRM7	0.00958	0.47646	0.808	0.91	1 MS.Trt_vs_MS.NoTrt_B
CHGB	0.00959	-0.5054	0.309	0.41	1 MS.Trt_vs_MS.NoTrt_B
SLC25A19	0.00962	-0.3174	0.305	0.41	1 MS.Trt_vs_MS.NoTrt_B
SEC22C	0.00965	-0.4116	0.523	0.67	1 MS.Trt_vs_MS.NoTrt_B
MEF2A	0.00972	-0.4471	0.359	0.48	1 MS.Trt_vs_MS.NoTrt_B
NRAS	0.00973	-0.8176	0.207	0.31	1 MS.Trt_vs_MS.NoTrt_B
GTF2IRD1	0.00976	-0.5805	0.525	0.64	1 MS.Trt_vs_MS.NoTrt_B
IL15	0.00978	-0.3543	0.307	0.42	1 MS.Trt_vs_MS.NoTrt_B
ZNF330	0.00982	-0.3329	0.048	0.1	1 MS.Trt_vs_MS.NoTrt_B
CPT1A	0.00983	-0.4772	0.551	0.62	1 MS.Trt_vs_MS.NoTrt_B
ZDHHC13	0.00983	0.79939	0.595	0.75	1 MS.Trt_vs_MS.NoTrt_B
ISCA2	0.00986	0.40367	0.412	0.54	1 MS.Trt_vs_MS.NoTrt_B
AIG1	0.00988	-0.4493	0.453	0.6	1 MS.Trt_vs_MS.NoTrt_B
OR8H2	0.00989	-0.4417	0.12	0.2	1 MS.Trt_vs_MS.NoTrt_B
HNRNPAB	0.00996	-0.3782	0.096	0.17	1 MS.Trt_vs_MS.NoTrt_B
TBC1D14	0.00996	-0.2692	0.146	0.23	1 MS.Trt_vs_MS.NoTrt_B
XRCC5	0.01001	0.27469	0.429	0.56	1 MS.Trt_vs_MS.NoTrt_B
PNKD	0.01002	0.34097	0.098	0.17	1 MS.Trt_vs_MS.NoTrt_B
TGFB11	0.01003	-1.0107	0.166	0.25	1 MS.Trt_vs_MS.NoTrt_B
3-Mar	0.01008	-0.4226	0.259	0.36	1 MS.Trt_vs_MS.NoTrt_B
TEN1-CDK3	0.01009	0.80764	0.377	0.49	1 MS.Trt_vs_MS.NoTrt_B

AP2A2	0.01009	0.43638	0.49	0.64	1 MS.Trt_vs_MS.NoTrt_B
ZNF410	0.01009	-0.3833	0.386	0.5	1 MS.Trt_vs_MS.NoTrt_B
HSD17B1	0.0101	0.39709	0.621	0.8	1 MS.Trt_vs_MS.NoTrt_B
MOB3B	0.0101	0.26005	0.42	0.56	1 MS.Trt_vs_MS.NoTrt_B
HGSNAT	0.01012	-0.4806	0.558	0.67	1 MS.Trt_vs_MS.NoTrt_B
OSTC	0.01013	0.34433	0.176	0.27	1 MS.Trt_vs_MS.NoTrt_B
ZNF652	0.01016	0.5816	0.418	0.53	1 MS.Trt_vs_MS.NoTrt_B
NCKAP1	0.01028	0.38128	0.536	0.7	1 MS.Trt_vs_MS.NoTrt_B
REC8	0.0103	-0.3556	0.048	0.1	1 MS.Trt_vs_MS.NoTrt_B
PROSER1	0.0103	-0.3103	0.12	0.2	1 MS.Trt_vs_MS.NoTrt_B
OXR1	0.01034	0.46127	0.211	0.32	1 MS.Trt_vs_MS.NoTrt_B
DENND1B	0.01035	0.31964	0.096	0.17	1 MS.Trt_vs_MS.NoTrt_B
CHRN1	0.01035	0.54266	0.475	0.64	1 MS.Trt_vs_MS.NoTrt_B
MRPS26	0.01037	-0.4187	0.068	0.13	1 MS.Trt_vs_MS.NoTrt_B
SRP54	0.01041	0.51274	0.131	0.21	1 MS.Trt_vs_MS.NoTrt_B
TIMD4	0.01042	0.26312	0.048	0.1	1 MS.Trt_vs_MS.NoTrt_B
PLEKHG4	0.01053	-0.4821	0.111	0.18	1 MS.Trt_vs_MS.NoTrt_B
ZFP36L1	0.01054	0.85386	0.702	0.69	1 MS.Trt_vs_MS.NoTrt_B
MIIP	0.01054	-0.2896	0.105	0.18	1 MS.Trt_vs_MS.NoTrt_B
DCTN6	0.01056	-0.4105	0.427	0.55	1 MS.Trt_vs_MS.NoTrt_B
PPP2CB	0.01057	0.71528	0.46	0.6	1 MS.Trt_vs_MS.NoTrt_B
LRRC34	0.01058	0.26965	0.503	0.65	1 MS.Trt_vs_MS.NoTrt_B
NUP54	0.01058	-0.4472	0.133	0.21	1 MS.Trt_vs_MS.NoTrt_B
PSMB6	0.01064	0.36496	0.582	0.7	1 MS.Trt_vs_MS.NoTrt_B
LYPLAL1	0.01066	0.33828	0.063	0.12	1 MS.Trt_vs_MS.NoTrt_B
TAF9B	0.01069	0.36042	0.107	0.18	1 MS.Trt_vs_MS.NoTrt_B
CTD-3088G3	0.01073	0.96828	0.37	0.5	1 MS.Trt_vs_MS.NoTrt_B
MINPP1	0.01073	-0.5044	0.068	0.13	1 MS.Trt_vs_MS.NoTrt_B
MED24	0.01074	0.31899	0.458	0.57	1 MS.Trt_vs_MS.NoTrt_B
E2F4	0.01075	-0.8028	0.089	0.16	1 MS.Trt_vs_MS.NoTrt_B
POLR3B	0.01078	-0.9783	0.065	0.12	1 MS.Trt_vs_MS.NoTrt_B
TEX2	0.0108	-0.579	0.573	0.68	1 MS.Trt_vs_MS.NoTrt_B
ZNF558	0.01084	0.42228	0.545	0.69	1 MS.Trt_vs_MS.NoTrt_B
FAM161B	0.01089	0.42071	0.261	0.37	1 MS.Trt_vs_MS.NoTrt_B
GPATCH11	0.01097	0.63455	0.346	0.47	1 MS.Trt_vs_MS.NoTrt_B
LAMTOR3	0.011	1.36654	0.231	0.34	1 MS.Trt_vs_MS.NoTrt_B
ASB13	0.01108	0.8311	0.105	0.18	1 MS.Trt_vs_MS.NoTrt_B
ELMSAN1	0.01109	0.44032	0.551	0.68	1 MS.Trt_vs_MS.NoTrt_B
PDE4B	0.0111	0.38635	0.207	0.31	1 MS.Trt_vs_MS.NoTrt_B
SMARCAL1	0.01112	-0.4389	0.564	0.68	1 MS.Trt_vs_MS.NoTrt_B

CTDSP2	0.01116	0.41911	0.159	0.25	1 MS.Trt_vs_MS.NoTrt_B
PGM2	0.01119	-0.5423	0.061	0.12	1 MS.Trt_vs_MS.NoTrt_B
ARFGEF1	0.0112	0.40969	0.527	0.64	1 MS.Trt_vs_MS.NoTrt_B
USP24	0.01123	0.30214	0.251	0.36	1 MS.Trt_vs_MS.NoTrt_B
ING1	0.01125	0.87416	0.499	0.61	1 MS.Trt_vs_MS.NoTrt_B
STYX	0.01126	0.5854	0.444	0.57	1 MS.Trt_vs_MS.NoTrt_B
LZIC	0.01127	0.4269	0.684	0.85	1 MS.Trt_vs_MS.NoTrt_B
BRMS1	0.0113	-0.2848	0.098	0.17	1 MS.Trt_vs_MS.NoTrt_B
PSMD10	0.01132	0.36802	0.207	0.3	1 MS.Trt_vs_MS.NoTrt_B
KLHL2	0.01132	0.25116	0.242	0.34	1 MS.Trt_vs_MS.NoTrt_B
PPP4R1	0.01136	-0.9325	0.166	0.25	1 MS.Trt_vs_MS.NoTrt_B
CAMK2D	0.0114	0.54593	0.196	0.3	1 MS.Trt_vs_MS.NoTrt_B
SLC43A3	0.01147	-0.4245	0.298	0.4	1 MS.Trt_vs_MS.NoTrt_B
ZC3H4	0.01148	0.89637	0.292	0.42	1 MS.Trt_vs_MS.NoTrt_B
DDT	0.01156	-0.2568	0.122	0.2	1 MS.Trt_vs_MS.NoTrt_B
TIAL1	0.01157	1.00925	0.743	0.89	1 MS.Trt_vs_MS.NoTrt_B
TTC34	0.01158	0.51647	0.124	0.21	1 MS.Trt_vs_MS.NoTrt_B
DLEC1	0.01159	-0.5681	0.377	0.48	1 MS.Trt_vs_MS.NoTrt_B
ARPC1A	0.0116	-0.4759	0.216	0.3	1 MS.Trt_vs_MS.NoTrt_B
KCTD21	0.01161	-0.6259	0.322	0.42	1 MS.Trt_vs_MS.NoTrt_B
NDUFAF1	0.01164	0.70247	0.305	0.42	1 MS.Trt_vs_MS.NoTrt_B
SLC25A5	0.01169	0.26449	0.261	0.37	1 MS.Trt_vs_MS.NoTrt_B
ZNF333	0.0117	0.39639	0.78	0.89	1 MS.Trt_vs_MS.NoTrt_B
LENG1	0.0117	-0.2573	0.052	0.11	1 MS.Trt_vs_MS.NoTrt_B
FAM213A	0.01171	-0.31	0.643	0.79	1 MS.Trt_vs_MS.NoTrt_B
FUNDC2	0.01173	0.40717	0.386	0.49	1 MS.Trt_vs_MS.NoTrt_B
LRPPRC	0.01174	0.56802	0.41	0.54	1 MS.Trt_vs_MS.NoTrt_B
ATRX	0.01174	0.41238	0.501	0.64	1 MS.Trt_vs_MS.NoTrt_B
ATP5G1	0.01176	0.44493	0.227	0.33	1 MS.Trt_vs_MS.NoTrt_B
ANKRD40	0.01177	0.71823	0.658	0.78	1 MS.Trt_vs_MS.NoTrt_B
SFN	0.01179	-0.343	0.2	0.28	1 MS.Trt_vs_MS.NoTrt_B
AMT	0.0118	-0.2682	0.325	0.42	1 MS.Trt_vs_MS.NoTrt_B
CSTF3	0.01182	0.25838	0.412	0.55	1 MS.Trt_vs_MS.NoTrt_B
SP3	0.01184	0.37491	0.438	0.58	1 MS.Trt_vs_MS.NoTrt_B
VGLL4	0.01184	0.48212	0.874	0.95	1 MS.Trt_vs_MS.NoTrt_B
RBM41	0.01185	0.38266	0.331	0.44	1 MS.Trt_vs_MS.NoTrt_B
CDK13	0.01187	-0.3024	0.732	0.83	1 MS.Trt_vs_MS.NoTrt_B
SKAP2	0.01189	-1.0236	0.12	0.19	1 MS.Trt_vs_MS.NoTrt_B
TGOLN2	0.01189	0.26067	0.516	0.65	1 MS.Trt_vs_MS.NoTrt_B
FAM136A	0.0119	-0.3179	0.246	0.35	1 MS.Trt_vs_MS.NoTrt_B

ABCB10	0.01194	-0.4394	0.061	0.12	1	MS.Trt_vs_MS.NoTrt_B
CTC-487M2:	0.01198	-0.3518	0.852	0.91	1	MS.Trt_vs_MS.NoTrt_B
ZNF486	0.012	-0.2984	0.558	0.65	1	MS.Trt_vs_MS.NoTrt_B
SPTLC1	0.01201	0.37211	0.595	0.74	1	MS.Trt_vs_MS.NoTrt_B
SNUPN	0.01202	-0.3408	0.712	0.83	1	MS.Trt_vs_MS.NoTrt_B
PDCD7	0.01205	-0.4693	0.34	0.43	1	MS.Trt_vs_MS.NoTrt_B
VSNL1	0.01206	0.28638	0.641	0.57	1	MS.Trt_vs_MS.NoTrt_B
BRCA2	0.01208	1.14422	0.268	0.38	1	MS.Trt_vs_MS.NoTrt_B
AUH	0.01211	-0.6369	0.065	0.12	1	MS.Trt_vs_MS.NoTrt_B
CYB561A3	0.01211	-0.4166	0.932	0.99	1	MS.Trt_vs_MS.NoTrt_B
MTRNR2L6	0.01211	0.2748	0.88	1	1	MS.Trt_vs_MS.NoTrt_B
GPATCH2	0.01213	0.56121	0.484	0.36	1	MS.Trt_vs_MS.NoTrt_B
ALS2	0.01213	0.54772	0.312	0.45	1	MS.Trt_vs_MS.NoTrt_B
ZC3H14	0.01217	0.39093	0.828	0.94	1	MS.Trt_vs_MS.NoTrt_B
DHX29	0.01218	-0.3113	0.109	0.18	1	MS.Trt_vs_MS.NoTrt_B
CERS4	0.01219	-0.6437	0.484	0.6	1	MS.Trt_vs_MS.NoTrt_B
STX17	0.0122	0.85509	0.37	0.5	1	MS.Trt_vs_MS.NoTrt_B
COPS7B	0.0122	-0.2846	0.686	0.76	1	MS.Trt_vs_MS.NoTrt_B
EHMT2	0.01224	-0.3107	0.523	0.64	1	MS.Trt_vs_MS.NoTrt_B
SDR42E1	0.01227	0.37824	0.312	0.43	1	MS.Trt_vs_MS.NoTrt_B
POGK	0.0123	-0.6274	0.176	0.26	1	MS.Trt_vs_MS.NoTrt_B
MYCBP2	0.0123	0.68805	0.327	0.43	1	MS.Trt_vs_MS.NoTrt_B
ZNF774	0.01232	0.37918	0.824	0.91	1	MS.Trt_vs_MS.NoTrt_B
SENP8	0.01232	0.38383	0.386	0.48	1	MS.Trt_vs_MS.NoTrt_B
MED29	0.01235	0.31608	0.407	0.51	1	MS.Trt_vs_MS.NoTrt_B
ZNF500	0.01235	0.62945	0.466	0.64	1	MS.Trt_vs_MS.NoTrt_B
ECHS1	0.01236	-0.3457	0.089	0.16	1	MS.Trt_vs_MS.NoTrt_B
ZNF331	0.01239	0.34838	0.492	0.61	1	MS.Trt_vs_MS.NoTrt_B
FOCAD	0.01243	0.30179	0.397	0.55	1	MS.Trt_vs_MS.NoTrt_B
CARD16	0.01244	0.48617	0.224	0.34	1	MS.Trt_vs_MS.NoTrt_B
CDHR3	0.01244	-0.6549	0.51	0.62	1	MS.Trt_vs_MS.NoTrt_B
SLC35F2	0.01244	0.48028	0.203	0.28	1	MS.Trt_vs_MS.NoTrt_B
MFSD1	0.01249	-0.4591	0.07	0.13	1	MS.Trt_vs_MS.NoTrt_B
KPNA2	0.01249	-0.7727	0.07	0.13	1	MS.Trt_vs_MS.NoTrt_B
MSL1	0.01252	0.6253	0.479	0.64	1	MS.Trt_vs_MS.NoTrt_B
LRRFIP2	0.01255	0.35036	0.571	0.67	1	MS.Trt_vs_MS.NoTrt_B
RPS17	0.01259	0.36233	0.32	0.42	1	MS.Trt_vs_MS.NoTrt_B
FAM227B	0.01261	-0.4494	0.307	0.4	1	MS.Trt_vs_MS.NoTrt_B
CASP7	0.01266	-0.8484	0.1	0.17	1	MS.Trt_vs_MS.NoTrt_B
RNMT	0.01267	0.37452	0.233	0.34	1	MS.Trt_vs_MS.NoTrt_B

HTRA2	0.0127	-0.347	0.085	0.15	1 MS.Trt_vs_MS.NoTrt_B
SEPHS2	0.01275	-0.5632	0.07	0.13	1 MS.Trt_vs_MS.NoTrt_B
CHURC1	0.01277	0.41022	0.61	0.7	1 MS.Trt_vs_MS.NoTrt_B
GPR83	0.01278	0.73145	0.362	0.48	1 MS.Trt_vs_MS.NoTrt_B
BEX4	0.01285	-0.3102	0.083	0.15	1 MS.Trt_vs_MS.NoTrt_B
NT5DC3	0.01286	0.31662	0.654	0.77	1 MS.Trt_vs_MS.NoTrt_B
TMEM42	0.01286	0.27064	0.072	0.14	1 MS.Trt_vs_MS.NoTrt_B
MTX2	0.01286	-0.5395	0.135	0.21	1 MS.Trt_vs_MS.NoTrt_B
CLCC1	0.01287	0.25423	0.682	0.83	1 MS.Trt_vs_MS.NoTrt_B
PRRG3	0.01292	0.54071	0.514	0.42	1 MS.Trt_vs_MS.NoTrt_B
SHARPIN	0.01293	-0.322	0.094	0.16	1 MS.Trt_vs_MS.NoTrt_B
LMNB1	0.01294	-0.7569	0.05	0.1	1 MS.Trt_vs_MS.NoTrt_B
MKLN1	0.01296	0.36765	0.473	0.6	1 MS.Trt_vs_MS.NoTrt_B
XKR9	0.01306	0.26134	0.42	0.56	1 MS.Trt_vs_MS.NoTrt_B
GPR132	0.01311	-0.6551	0.27	0.37	1 MS.Trt_vs_MS.NoTrt_B
POU6F1	0.0132	-0.8363	0.373	0.47	1 MS.Trt_vs_MS.NoTrt_B
DAP	0.01326	-0.2804	0.094	0.16	1 MS.Trt_vs_MS.NoTrt_B
AGAP2	0.01326	-0.2848	0.124	0.2	1 MS.Trt_vs_MS.NoTrt_B
RAB11A	0.01328	0.3024	0.562	0.65	1 MS.Trt_vs_MS.NoTrt_B
INTS4	0.01333	-0.6977	0.281	0.37	1 MS.Trt_vs_MS.NoTrt_B
DDX11	0.01334	-0.7582	0.301	0.38	1 MS.Trt_vs_MS.NoTrt_B
L3MBTL1	0.01335	0.41276	0.488	0.6	1 MS.Trt_vs_MS.NoTrt_B
NPL	0.01335	1.02956	0.153	0.24	1 MS.Trt_vs_MS.NoTrt_B
NXPE3	0.01335	-0.483	0.821	0.92	1 MS.Trt_vs_MS.NoTrt_B
PREB	0.01336	-0.6117	0.078	0.14	1 MS.Trt_vs_MS.NoTrt_B
RALGPS1	0.01337	0.53572	0.301	0.43	1 MS.Trt_vs_MS.NoTrt_B
PHYH	0.01338	-0.4721	0.118	0.19	1 MS.Trt_vs_MS.NoTrt_B
ABHD13	0.0134	-0.4147	0.054	0.11	1 MS.Trt_vs_MS.NoTrt_B
NAA30	0.01343	0.50754	0.342	0.46	1 MS.Trt_vs_MS.NoTrt_B
SLC14A1	0.01344	0.33265	0.397	0.53	1 MS.Trt_vs_MS.NoTrt_B
NECTIN4	0.01345	-0.4354	0.129	0.21	1 MS.Trt_vs_MS.NoTrt_B
DNAJC19	0.01345	0.70521	0.185	0.28	1 MS.Trt_vs_MS.NoTrt_B
FSD2	0.01345	0.431	0.375	0.49	1 MS.Trt_vs_MS.NoTrt_B
C22orf46	0.01347	-0.3078	0.246	0.35	1 MS.Trt_vs_MS.NoTrt_B
UBALD2	0.01351	0.7597	0.083	0.15	1 MS.Trt_vs_MS.NoTrt_B
CARNS1	0.01356	-0.5272	0.144	0.22	1 MS.Trt_vs_MS.NoTrt_B
FGGY	0.01358	-0.5576	0.32	0.44	1 MS.Trt_vs_MS.NoTrt_B
ZNF227	0.01362	0.77233	0.375	0.5	1 MS.Trt_vs_MS.NoTrt_B
TMEM119	0.01366	-0.6252	0.455	0.57	1 MS.Trt_vs_MS.NoTrt_B
PPP2R5E	0.01369	0.79688	0.174	0.27	1 MS.Trt_vs_MS.NoTrt_B

TRIM66	0.0137	-0.3072	0.322	0.42	1 MS.Trt_vs_MS.NoTrt_B
CEP89	0.01373	0.42123	0.789	0.92	1 MS.Trt_vs_MS.NoTrt_B
CENPF	0.01375	-0.6641	0.259	0.38	1 MS.Trt_vs_MS.NoTrt_B
RP11-80H18	0.01384	-0.5444	0.194	0.28	1 MS.Trt_vs_MS.NoTrt_B
RBL1	0.01389	0.40292	0.479	0.57	1 MS.Trt_vs_MS.NoTrt_B
ZNF382	0.0139	-0.5154	0.839	0.94	1 MS.Trt_vs_MS.NoTrt_B
AKAP17A	0.0139	-0.8292	0.05	0.1	1 MS.Trt_vs_MS.NoTrt_B
TAP2	0.01396	-0.3416	0.211	0.3	1 MS.Trt_vs_MS.NoTrt_B
RIN3	0.01397	0.58595	0.248	0.36	1 MS.Trt_vs_MS.NoTrt_B
WDR11	0.01398	-0.411	0.503	0.62	1 MS.Trt_vs_MS.NoTrt_B
HIST1H4C	0.01398	0.56439	0.283	0.42	1 MS.Trt_vs_MS.NoTrt_B
ZCCHC4	0.01403	-0.569	0.477	0.61	1 MS.Trt_vs_MS.NoTrt_B
RBM12B	0.01404	-0.8722	0.059	0.11	1 MS.Trt_vs_MS.NoTrt_B
MIB1	0.01405	0.50544	0.094	0.16	1 MS.Trt_vs_MS.NoTrt_B
TMEM170A	0.01405	-0.5349	0.706	0.77	1 MS.Trt_vs_MS.NoTrt_B
NAIF1	0.01405	0.27212	0.42	0.54	1 MS.Trt_vs_MS.NoTrt_B
SLAMF7	0.01407	0.51066	0.322	0.44	1 MS.Trt_vs_MS.NoTrt_B
RP11-552F3	0.01413	0.33009	0.109	0.18	1 MS.Trt_vs_MS.NoTrt_B
IPO9	0.01415	0.36553	0.717	0.83	1 MS.Trt_vs_MS.NoTrt_B
ZNF154	0.01419	0.80256	0.532	0.69	1 MS.Trt_vs_MS.NoTrt_B
PSD4	0.01423	0.36597	0.834	0.91	1 MS.Trt_vs_MS.NoTrt_B
PTCD1	0.01426	0.3956	0.49	0.61	1 MS.Trt_vs_MS.NoTrt_B
ITGAL	0.0143	0.30016	0.654	0.75	1 MS.Trt_vs_MS.NoTrt_B
TRIM68	0.0143	-0.37	0.405	0.54	1 MS.Trt_vs_MS.NoTrt_B
CRTAM	0.01431	0.34821	0.283	0.41	1 MS.Trt_vs_MS.NoTrt_B
GINM1	0.01433	-0.6254	0.397	0.48	1 MS.Trt_vs_MS.NoTrt_B
AMD1	0.01434	-0.3294	0.623	0.74	1 MS.Trt_vs_MS.NoTrt_B
DONSON	0.01434	-0.5558	0.122	0.2	1 MS.Trt_vs_MS.NoTrt_B
UBAP2	0.01438	0.47264	0.534	0.69	1 MS.Trt_vs_MS.NoTrt_B
ATP13A3	0.01441	0.90348	0.085	0.15	1 MS.Trt_vs_MS.NoTrt_B
MED22	0.01443	0.30937	0.423	0.55	1 MS.Trt_vs_MS.NoTrt_B
RPL34	0.01443	0.52452	0.941	0.99	1 MS.Trt_vs_MS.NoTrt_B
PCYOX1L	0.01444	-0.418	0.054	0.11	1 MS.Trt_vs_MS.NoTrt_B
ARL6IP5	0.01452	0.38469	0.603	0.74	1 MS.Trt_vs_MS.NoTrt_B
TNIP2	0.01454	-0.9181	0.063	0.12	1 MS.Trt_vs_MS.NoTrt_B
AP1B1	0.01456	-0.5028	0.144	0.22	1 MS.Trt_vs_MS.NoTrt_B
PCGF1	0.01461	-0.3503	0.336	0.44	1 MS.Trt_vs_MS.NoTrt_B
SGK494	0.01463	0.28736	0.56	0.71	1 MS.Trt_vs_MS.NoTrt_B
ZBTB37	0.01471	-0.3067	0.553	0.69	1 MS.Trt_vs_MS.NoTrt_B
STARD9	0.01472	0.41526	0.756	0.93	1 MS.Trt_vs_MS.NoTrt_B

PCGF5	0.01491	-0.5014	0.298	0.38	1 MS.Trt_vs_MS.NoTrt_B
SCYL1	0.01495	-0.2821	0.203	0.29	1 MS.Trt_vs_MS.NoTrt_B
CHEK1	0.01495	0.5348	0.597	0.77	1 MS.Trt_vs_MS.NoTrt_B
CLK1	0.01496	0.45396	0.453	0.59	1 MS.Trt_vs_MS.NoTrt_B
RRP15	0.01498	0.5796	0.44	0.57	1 MS.Trt_vs_MS.NoTrt_B
KIF3A	0.01499	0.66971	0.584	0.72	1 MS.Trt_vs_MS.NoTrt_B
PYGB	0.015	-0.9216	0.081	0.14	1 MS.Trt_vs_MS.NoTrt_B
OTUD3	0.01501	0.97993	0.375	0.49	1 MS.Trt_vs_MS.NoTrt_B
RBM34	0.01504	0.44106	0.593	0.74	1 MS.Trt_vs_MS.NoTrt_B
RDH16	0.01508	0.26096	0.529	0.73	1 MS.Trt_vs_MS.NoTrt_B
WASH1	0.01509	0.64698	0.183	0.28	1 MS.Trt_vs_MS.NoTrt_B
NHLRC1	0.01511	-0.846	0.146	0.23	1 MS.Trt_vs_MS.NoTrt_B
SURF1	0.01514	-0.3852	0.059	0.11	1 MS.Trt_vs_MS.NoTrt_B
NCAPH	0.01515	-0.6842	0.303	0.42	1 MS.Trt_vs_MS.NoTrt_B
PLS1	0.01518	-0.6202	0.185	0.28	1 MS.Trt_vs_MS.NoTrt_B
PTPRA	0.01519	-0.9485	0.081	0.14	1 MS.Trt_vs_MS.NoTrt_B
EXOSC9	0.01521	-0.3638	0.161	0.24	1 MS.Trt_vs_MS.NoTrt_B
SLC22A5	0.01521	0.79431	0.294	0.41	1 MS.Trt_vs_MS.NoTrt_B
SRSF3	0.01522	0.34861	0.76	0.84	1 MS.Trt_vs_MS.NoTrt_B
B3GNTL1	0.01531	-0.2665	0.2	0.29	1 MS.Trt_vs_MS.NoTrt_B
ARHGAP18	0.01533	-0.875	0.059	0.11	1 MS.Trt_vs_MS.NoTrt_B
BAG5	0.01535	0.36701	0.257	0.36	1 MS.Trt_vs_MS.NoTrt_B
NOCT	0.0154	0.25592	0.542	0.69	1 MS.Trt_vs_MS.NoTrt_B
POLE	0.01542	0.73332	0.682	0.83	1 MS.Trt_vs_MS.NoTrt_B
GAL3ST4	0.01546	-1.6175	0.351	0.45	1 MS.Trt_vs_MS.NoTrt_B
AGMAT	0.0155	-0.3163	0.773	0.85	1 MS.Trt_vs_MS.NoTrt_B
RPAP2	0.01555	0.34931	0.978	1	1 MS.Trt_vs_MS.NoTrt_B
ESD	0.0156	-0.4756	0.076	0.14	1 MS.Trt_vs_MS.NoTrt_B
SLC25A37	0.01569	0.35087	0.549	0.68	1 MS.Trt_vs_MS.NoTrt_B
PPP2R5C	0.0157	0.33024	0.837	0.92	1 MS.Trt_vs_MS.NoTrt_B
MKL1	0.01574	0.28277	0.292	0.4	1 MS.Trt_vs_MS.NoTrt_B
LDB1	0.01578	-0.4536	0.068	0.12	1 MS.Trt_vs_MS.NoTrt_B
KIF1BP	0.01588	0.35732	0.521	0.63	1 MS.Trt_vs_MS.NoTrt_B
C9orf131	0.01588	0.61556	0.081	0.15	1 MS.Trt_vs_MS.NoTrt_B
NKTR	0.0159	0.51179	0.732	0.83	1 MS.Trt_vs_MS.NoTrt_B
ZNF460	0.01592	-0.6615	0.137	0.21	1 MS.Trt_vs_MS.NoTrt_B
SPG21	0.01592	-0.2843	0.76	0.88	1 MS.Trt_vs_MS.NoTrt_B
JOSD1	0.01599	0.41921	0.403	0.5	1 MS.Trt_vs_MS.NoTrt_B
SOCS4	0.01602	0.32741	0.205	0.3	1 MS.Trt_vs_MS.NoTrt_B
ZC3H12C	0.01606	0.53369	0.072	0.13	1 MS.Trt_vs_MS.NoTrt_B



ITFG1	0.01608	0.64442	0.15	0.23	1 MS.Trt_vs_MS.NoTrt_B
PRMT1	0.01622	-0.2521	0.695	0.82	1 MS.Trt_vs_MS.NoTrt_B
TFR2	0.01635	0.67214	0.577	0.71	1 MS.Trt_vs_MS.NoTrt_B
TYSND1	0.01638	-0.3465	0.179	0.26	1 MS.Trt_vs_MS.NoTrt_B
SLC25A25	0.01641	-0.3021	0.087	0.15	1 MS.Trt_vs_MS.NoTrt_B
IFRD2	0.01654	-0.4729	0.081	0.14	1 MS.Trt_vs_MS.NoTrt_B
ANGEL1	0.01656	-0.8708	0.329	0.42	1 MS.Trt_vs_MS.NoTrt_B
CRIP1	0.01657	0.3492	0.172	0.25	1 MS.Trt_vs_MS.NoTrt_B
DTNB	0.0166	-0.4639	0.111	0.18	1 MS.Trt_vs_MS.NoTrt_B
EPRS	0.01661	-0.323	0.148	0.22	1 MS.Trt_vs_MS.NoTrt_B
PFKM	0.01664	-0.2811	0.715	0.87	1 MS.Trt_vs_MS.NoTrt_B
ZNF286A	0.01671	0.68688	0.27	0.38	1 MS.Trt_vs_MS.NoTrt_B
STARD4	0.01677	-0.9504	0.085	0.15	1 MS.Trt_vs_MS.NoTrt_B
ZNF3	0.01678	-0.2916	0.58	0.69	1 MS.Trt_vs_MS.NoTrt_B
CAPG	0.01679	-1.2552	0.057	0.11	1 MS.Trt_vs_MS.NoTrt_B
PROSC	0.01679	-0.3573	0.331	0.41	1 MS.Trt_vs_MS.NoTrt_B
ZNF461	0.0168	-0.5648	0.564	0.64	1 MS.Trt_vs_MS.NoTrt_B
TRIM37	0.01683	-0.6559	0.113	0.18	1 MS.Trt_vs_MS.NoTrt_B
BTBD7	0.01684	0.32537	0.595	0.73	1 MS.Trt_vs_MS.NoTrt_B
AKTIP	0.01687	-0.3413	0.521	0.63	1 MS.Trt_vs_MS.NoTrt_B
FAM156A	0.01688	-0.9293	0.1	0.16	1 MS.Trt_vs_MS.NoTrt_B
ZNF641	0.01689	0.26346	0.373	0.5	1 MS.Trt_vs_MS.NoTrt_B
VAPA	0.01691	0.36299	0.638	0.74	1 MS.Trt_vs_MS.NoTrt_B
GCHFR	0.01692	0.31169	0.081	0.15	1 MS.Trt_vs_MS.NoTrt_B
COA3	0.01694	0.38611	0.102	0.17	1 MS.Trt_vs_MS.NoTrt_B
ZNF121	0.01696	0.37054	0.773	0.9	1 MS.Trt_vs_MS.NoTrt_B
C20orf194	0.01697	0.42356	0.179	0.27	1 MS.Trt_vs_MS.NoTrt_B
HMGXB4	0.01697	-0.2701	0.068	0.12	1 MS.Trt_vs_MS.NoTrt_B
POLI	0.017	0.26816	0.266	0.37	1 MS.Trt_vs_MS.NoTrt_B
AGTRAP	0.01705	-0.6541	0.076	0.14	1 MS.Trt_vs_MS.NoTrt_B
PVRIG	0.01705	0.46708	0.253	0.36	1 MS.Trt_vs_MS.NoTrt_B
JMJD7	0.01706	-0.4554	0.089	0.15	1 MS.Trt_vs_MS.NoTrt_B
TADA2A	0.01708	-0.8996	0.782	0.88	1 MS.Trt_vs_MS.NoTrt_B
CUBN	0.0171	0.36269	0.301	0.41	1 MS.Trt_vs_MS.NoTrt_B
SLC25A29	0.01711	0.36253	0.268	0.39	1 MS.Trt_vs_MS.NoTrt_B
PLGLB1	0.01714	0.60567	0.089	0.16	1 MS.Trt_vs_MS.NoTrt_B
PSMD3	0.01723	-0.4769	0.394	0.51	1 MS.Trt_vs_MS.NoTrt_B
CASP8AP2	0.01723	0.4324	0.305	0.41	1 MS.Trt_vs_MS.NoTrt_B
FGD2	0.01731	0.25414	0.569	0.71	1 MS.Trt_vs_MS.NoTrt_B
MED7	0.01732	0.33978	0.059	0.11	1 MS.Trt_vs_MS.NoTrt_B

DLD	0.01734	0.57189	0.1	0.17	1 MS.Trt_vs_MS.NoTrt_B
PM20D2	0.01741	0.35341	0.619	0.78	1 MS.Trt_vs_MS.NoTrt_B
UBE2V2	0.01748	1.04734	0.621	0.72	1 MS.Trt_vs_MS.NoTrt_B
FILIP1L	0.0175	-0.4771	0.231	0.33	1 MS.Trt_vs_MS.NoTrt_B
ERCC6L	0.01752	-0.6386	0.083	0.15	1 MS.Trt_vs_MS.NoTrt_B
PINK1	0.01758	-0.6909	0.194	0.28	1 MS.Trt_vs_MS.NoTrt_B
RASGRF1	0.01758	0.25394	0.235	0.34	1 MS.Trt_vs_MS.NoTrt_B
TRAPPC11	0.01758	-0.4577	0.305	0.39	1 MS.Trt_vs_MS.NoTrt_B
SLC5A6	0.0176	-0.6708	0.052	0.1	1 MS.Trt_vs_MS.NoTrt_B
ELK4	0.01764	0.65115	0.399	0.52	1 MS.Trt_vs_MS.NoTrt_B
TRAPPC9	0.01765	-0.3431	0.072	0.13	1 MS.Trt_vs_MS.NoTrt_B
PDE8A	0.01771	0.26895	0.325	0.44	1 MS.Trt_vs_MS.NoTrt_B
WASF2	0.01782	0.30966	0.481	0.64	1 MS.Trt_vs_MS.NoTrt_B
LSM12	0.01783	0.40709	0.577	0.71	1 MS.Trt_vs_MS.NoTrt_B
ISOC1	0.01789	-0.4672	0.052	0.1	1 MS.Trt_vs_MS.NoTrt_B
BRIP1	0.01789	0.6007	0.695	0.89	1 MS.Trt_vs_MS.NoTrt_B
MDM2	0.0179	0.27477	0.952	1	1 MS.Trt_vs_MS.NoTrt_B
SLC23A3	0.01792	-0.5949	0.305	0.42	1 MS.Trt_vs_MS.NoTrt_B
VRK2	0.01796	-0.4143	0.172	0.25	1 MS.Trt_vs_MS.NoTrt_B
TUBD1	0.01799	0.42244	0.723	0.8	1 MS.Trt_vs_MS.NoTrt_B
ZNF470	0.01802	0.40558	0.569	0.74	1 MS.Trt_vs_MS.NoTrt_B
SMS	0.01804	-0.4306	0.096	0.16	1 MS.Trt_vs_MS.NoTrt_B
NME4	0.01805	-0.3641	0.068	0.12	1 MS.Trt_vs_MS.NoTrt_B
TAB2	0.01806	0.82383	0.44	0.57	1 MS.Trt_vs_MS.NoTrt_B
CAPZA2	0.01808	0.71783	0.821	0.85	1 MS.Trt_vs_MS.NoTrt_B
GMPS	0.0181	-0.4293	0.756	0.87	1 MS.Trt_vs_MS.NoTrt_B
NEIL1	0.01813	-0.2713	0.654	0.81	1 MS.Trt_vs_MS.NoTrt_B
DDX3X	0.01826	0.56048	0.224	0.32	1 MS.Trt_vs_MS.NoTrt_B
NUP210	0.0184	0.42255	0.379	0.5	1 MS.Trt_vs_MS.NoTrt_B
FCRL1	0.01843	-0.7112	0.163	0.24	1 MS.Trt_vs_MS.NoTrt_B
GPR68	0.01849	-0.8742	0.061	0.11	1 MS.Trt_vs_MS.NoTrt_B
TP53INP1	0.01849	0.42001	0.261	0.37	1 MS.Trt_vs_MS.NoTrt_B
FBXL3	0.01854	0.59509	0.096	0.16	1 MS.Trt_vs_MS.NoTrt_B
ABHD11	0.01863	0.37066	0.479	0.62	1 MS.Trt_vs_MS.NoTrt_B
CHML	0.01866	-0.722	0.15	0.23	1 MS.Trt_vs_MS.NoTrt_B
PCBD1	0.0187	0.34527	0.059	0.11	1 MS.Trt_vs_MS.NoTrt_B
MTHFD2L	0.0187	-0.3253	0.39	0.49	1 MS.Trt_vs_MS.NoTrt_B
PKP2	0.01875	0.54702	0.547	0.47	1 MS.Trt_vs_MS.NoTrt_B
CCDC171	0.01879	-0.2501	0.34	0.45	1 MS.Trt_vs_MS.NoTrt_B
PTPN7	0.01881	0.25849	0.571	0.72	1 MS.Trt_vs_MS.NoTrt_B

TSC22D2	0.01883	0.37916	0.285	0.38	1 MS.Trt_vs_MS.NoTrt_B
FDPS	0.01884	-0.3609	0.401	0.48	1 MS.Trt_vs_MS.NoTrt_B
ARHGAP27	0.01884	0.42138	0.46	0.59	1 MS.Trt_vs_MS.NoTrt_B
AP4M1	0.01892	-0.6106	0.447	0.61	1 MS.Trt_vs_MS.NoTrt_B
CMC1	0.01894	1.32656	0.115	0.19	1 MS.Trt_vs_MS.NoTrt_B
ABCG5	0.01895	-0.3961	0.159	0.24	1 MS.Trt_vs_MS.NoTrt_B
ZNF681	0.01897	0.63818	0.549	0.68	1 MS.Trt_vs_MS.NoTrt_B
PIP4K2C	0.01897	-0.5581	0.115	0.18	1 MS.Trt_vs_MS.NoTrt_B
PHYKPL	0.01901	0.345	0.336	0.44	1 MS.Trt_vs_MS.NoTrt_B
NUP58	0.01902	-0.4589	0.242	0.33	1 MS.Trt_vs_MS.NoTrt_B
CDK9	0.01903	-0.5494	0.061	0.11	1 MS.Trt_vs_MS.NoTrt_B
PAPLN	0.01909	-0.6583	0.621	0.72	1 MS.Trt_vs_MS.NoTrt_B
PPP2R3C	0.01909	-0.4288	0.098	0.16	1 MS.Trt_vs_MS.NoTrt_B
USP7	0.0191	0.51801	0.235	0.34	1 MS.Trt_vs_MS.NoTrt_B
EXOSC2	0.01913	0.58115	0.625	0.78	1 MS.Trt_vs_MS.NoTrt_B
CLNK	0.01917	0.37481	0.488	0.64	1 MS.Trt_vs_MS.NoTrt_B
SEC23IP	0.01923	0.49907	0.316	0.42	1 MS.Trt_vs_MS.NoTrt_B
CCDC58	0.01923	0.30949	0.253	0.36	1 MS.Trt_vs_MS.NoTrt_B
MKKS	0.01925	0.30398	0.059	0.11	1 MS.Trt_vs_MS.NoTrt_B
PEF1	0.01933	-0.5169	0.129	0.2	1 MS.Trt_vs_MS.NoTrt_B
CECR1	0.01933	-0.4362	0.355	0.48	1 MS.Trt_vs_MS.NoTrt_B
VIMP	0.01936	-0.3327	0.085	0.15	1 MS.Trt_vs_MS.NoTrt_B
FITM2	0.01938	0.56863	0.573	0.7	1 MS.Trt_vs_MS.NoTrt_B
RERE	0.01945	-0.4201	0.253	0.35	1 MS.Trt_vs_MS.NoTrt_B
RP11-111H1	0.01947	0.78256	0.083	0.15	1 MS.Trt_vs_MS.NoTrt_B
TOP3A	0.01947	-0.408	0.73	0.85	1 MS.Trt_vs_MS.NoTrt_B
DHRS1	0.01948	-0.5373	0.51	0.63	1 MS.Trt_vs_MS.NoTrt_B
CEP152	0.01952	0.60077	0.562	0.67	1 MS.Trt_vs_MS.NoTrt_B
FPGT	0.01956	-0.9069	0.074	0.13	1 MS.Trt_vs_MS.NoTrt_B
ATXN7L1	0.0196	0.38997	0.264	0.37	1 MS.Trt_vs_MS.NoTrt_B
HENMT1	0.01961	-0.5318	0.264	0.36	1 MS.Trt_vs_MS.NoTrt_B
FAM210A	0.01971	1.05934	0.205	0.3	1 MS.Trt_vs_MS.NoTrt_B
LTBP3	0.01978	0.54156	0.479	0.6	1 MS.Trt_vs_MS.NoTrt_B
AK5	0.0198	-0.3545	0.074	0.14	1 MS.Trt_vs_MS.NoTrt_B
TFDP2	0.01981	0.45167	0.863	0.91	1 MS.Trt_vs_MS.NoTrt_B
BLOC1S4	0.01985	0.55352	0.113	0.18	1 MS.Trt_vs_MS.NoTrt_B
CSNK1E	0.01985	0.39153	0.545	0.68	1 MS.Trt_vs_MS.NoTrt_B
USP15	0.01993	0.5699	0.743	0.87	1 MS.Trt_vs_MS.NoTrt_B
MCRIP2	0.01995	0.34593	0.394	0.51	1 MS.Trt_vs_MS.NoTrt_B
ZNF570	0.01995	0.49561	0.66	0.75	1 MS.Trt_vs_MS.NoTrt_B

IFITM2	0.01997	0.38035	0.721	0.87	1 MS.Trt_vs_MS.NoTrt_B
PTPN6	0.02	0.34053	0.309	0.43	1 MS.Trt_vs_MS.NoTrt_B
NHLRC2	0.02003	0.59981	0.573	0.72	1 MS.Trt_vs_MS.NoTrt_B
SDCBP	0.02008	0.57093	0.124	0.2	1 MS.Trt_vs_MS.NoTrt_B
YDJC	0.02011	0.55127	0.081	0.14	1 MS.Trt_vs_MS.NoTrt_B
CARD6	0.02016	-0.5714	0.405	0.55	1 MS.Trt_vs_MS.NoTrt_B
CACUL1	0.02021	0.56707	0.56	0.71	1 MS.Trt_vs_MS.NoTrt_B
MIS18BP1	0.02026	0.26452	0.475	0.6	1 MS.Trt_vs_MS.NoTrt_B
RNFT2	0.02028	-0.2745	0.756	0.9	1 MS.Trt_vs_MS.NoTrt_B
ZNF415	0.02029	0.39939	0.205	0.3	1 MS.Trt_vs_MS.NoTrt_B
GOLT1B	0.02031	0.56956	0.089	0.15	1 MS.Trt_vs_MS.NoTrt_B
SAYSD1	0.02034	0.55592	0.126	0.2	1 MS.Trt_vs_MS.NoTrt_B
SDF2	0.02034	-0.3981	0.131	0.2	1 MS.Trt_vs_MS.NoTrt_B
FBXO9	0.02034	0.38263	0.667	0.77	1 MS.Trt_vs_MS.NoTrt_B
GPN1	0.02038	0.2952	0.081	0.14	1 MS.Trt_vs_MS.NoTrt_B
PRKCD	0.0204	0.35196	0.377	0.48	1 MS.Trt_vs_MS.NoTrt_B
IRF5	0.02041	0.57579	0.279	0.38	1 MS.Trt_vs_MS.NoTrt_B
EMC8	0.02043	-1.0632	0.096	0.16	1 MS.Trt_vs_MS.NoTrt_B
ANKRD54	0.0205	-0.4492	0.564	0.69	1 MS.Trt_vs_MS.NoTrt_B
TOMM5	0.02051	0.30367	0.139	0.22	1 MS.Trt_vs_MS.NoTrt_B
BTD	0.02057	-0.373	0.089	0.15	1 MS.Trt_vs_MS.NoTrt_B
PREP	0.02059	-0.5471	0.061	0.11	1 MS.Trt_vs_MS.NoTrt_B
ACY1	0.02074	0.49449	0.473	0.61	1 MS.Trt_vs_MS.NoTrt_B
GDPD5	0.0208	-0.9733	0.198	0.27	1 MS.Trt_vs_MS.NoTrt_B
PTPN4	0.02082	0.59426	0.473	0.58	1 MS.Trt_vs_MS.NoTrt_B
IQCG	0.02083	-0.706	0.654	0.71	1 MS.Trt_vs_MS.NoTrt_B
SIRT3	0.02088	0.77362	0.229	0.32	1 MS.Trt_vs_MS.NoTrt_B
DFNA5	0.02093	-0.4623	0.083	0.15	1 MS.Trt_vs_MS.NoTrt_B
ACAT2	0.02095	0.28594	0.209	0.29	1 MS.Trt_vs_MS.NoTrt_B
TIA1	0.02101	0.55286	0.198	0.29	1 MS.Trt_vs_MS.NoTrt_B
KDM5C	0.02109	0.3367	0.298	0.42	1 MS.Trt_vs_MS.NoTrt_B
INVS	0.02112	-0.5115	0.098	0.16	1 MS.Trt_vs_MS.NoTrt_B
KCTD10	0.02118	-0.4986	0.314	0.41	1 MS.Trt_vs_MS.NoTrt_B
BID	0.02122	-0.4544	0.418	0.51	1 MS.Trt_vs_MS.NoTrt_B
MTERF1	0.02127	-0.4023	0.159	0.24	1 MS.Trt_vs_MS.NoTrt_B
CARM1	0.02129	-0.4168	0.076	0.14	1 MS.Trt_vs_MS.NoTrt_B
CRAMP1	0.02134	-0.7371	0.061	0.11	1 MS.Trt_vs_MS.NoTrt_B
PSMD7	0.02144	0.35838	0.266	0.36	1 MS.Trt_vs_MS.NoTrt_B
SMC4	0.02144	0.6508	0.362	0.49	1 MS.Trt_vs_MS.NoTrt_B
ARHGAP11B	0.02149	-0.6598	0.159	0.23	1 MS.Trt_vs_MS.NoTrt_B

MAP1LC3B2	0.02159	0.67146	0.203	0.31	1	MS.Trt_vs_MS.NoTrt_B
GLO1	0.02162	-0.3435	0.057	0.11	1	MS.Trt_vs_MS.NoTrt_B
ZNF720	0.02172	0.51674	0.379	0.51	1	MS.Trt_vs_MS.NoTrt_B
LAPTM4B	0.02172	0.46542	0.122	0.2	1	MS.Trt_vs_MS.NoTrt_B
LGALS9	0.02172	0.32275	0.198	0.29	1	MS.Trt_vs_MS.NoTrt_B
FAM120B	0.02175	0.44692	0.257	0.38	1	MS.Trt_vs_MS.NoTrt_B
FAM214A	0.02182	0.98769	0.142	0.22	1	MS.Trt_vs_MS.NoTrt_B
OAS1	0.02185	-0.2782	0.405	0.49	1	MS.Trt_vs_MS.NoTrt_B
FAM193A	0.02185	0.78839	0.198	0.29	1	MS.Trt_vs_MS.NoTrt_B
AKIP1	0.02194	-0.3044	0.538	0.7	1	MS.Trt_vs_MS.NoTrt_B
GPATCH4	0.02194	1.1046	0.207	0.31	1	MS.Trt_vs_MS.NoTrt_B
USE1	0.02196	-0.4192	0.771	0.86	1	MS.Trt_vs_MS.NoTrt_B
SPG11	0.022	0.26948	0.715	0.84	1	MS.Trt_vs_MS.NoTrt_B
ASF1A	0.02204	0.86846	0.133	0.21	1	MS.Trt_vs_MS.NoTrt_B
RASAL3	0.02222	0.31654	0.098	0.16	1	MS.Trt_vs_MS.NoTrt_B
IDH2	0.02228	-0.3595	0.427	0.51	1	MS.Trt_vs_MS.NoTrt_B
KBTBD4	0.02232	-0.4103	0.057	0.11	1	MS.Trt_vs_MS.NoTrt_B
PARP11	0.02235	0.70195	0.362	0.49	1	MS.Trt_vs_MS.NoTrt_B
MAPK9	0.02258	0.26095	0.37	0.48	1	MS.Trt_vs_MS.NoTrt_B
GAN	0.0226	0.43848	0.736	0.82	1	MS.Trt_vs_MS.NoTrt_B
RELA	0.02274	0.33173	0.109	0.18	1	MS.Trt_vs_MS.NoTrt_B
VRTN	0.02285	0.72643	0.092	0.16	1	MS.Trt_vs_MS.NoTrt_B
LTV1	0.02287	0.27249	0.1	0.17	1	MS.Trt_vs_MS.NoTrt_B
ARHGAP5	0.02294	0.56315	0.362	0.49	1	MS.Trt_vs_MS.NoTrt_B
MCEE	0.02296	1.12553	0.096	0.16	1	MS.Trt_vs_MS.NoTrt_B
PALB2	0.02296	-0.3767	0.148	0.22	1	MS.Trt_vs_MS.NoTrt_B
SMCR8	0.02298	0.32487	0.198	0.29	1	MS.Trt_vs_MS.NoTrt_B
JADE1	0.02301	0.4264	0.229	0.32	1	MS.Trt_vs_MS.NoTrt_B
SMPD1	0.02309	0.27382	0.065	0.12	1	MS.Trt_vs_MS.NoTrt_B
RABEPK	0.0231	-0.6112	0.656	0.75	1	MS.Trt_vs_MS.NoTrt_B
NDUFB3	0.02311	0.50263	0.122	0.2	1	MS.Trt_vs_MS.NoTrt_B
ERCC6	0.02316	-0.2546	0.181	0.27	1	MS.Trt_vs_MS.NoTrt_B
TRMT10B	0.02317	0.57532	0.743	0.87	1	MS.Trt_vs_MS.NoTrt_B
SLFN13	0.02318	0.65184	0.466	0.57	1	MS.Trt_vs_MS.NoTrt_B
ZFP41	0.0232	0.49348	0.072	0.13	1	MS.Trt_vs_MS.NoTrt_B
ZNF785	0.02323	-0.3349	0.771	0.9	1	MS.Trt_vs_MS.NoTrt_B
AMDHD2	0.02323	-0.3383	0.061	0.11	1	MS.Trt_vs_MS.NoTrt_B
FAM83G	0.02334	0.78308	0.316	0.43	1	MS.Trt_vs_MS.NoTrt_B
STOM	0.02335	0.44507	0.525	0.7	1	MS.Trt_vs_MS.NoTrt_B
RNF103	0.02335	0.43047	0.473	0.58	1	MS.Trt_vs_MS.NoTrt_B

KAT6B	0.02336	0.43985	0.061	0.11	1	MS.Trt_vs_MS.NoTrt_B
DHX15	0.0235	0.42828	0.375	0.49	1	MS.Trt_vs_MS.NoTrt_B
TMEM208	0.02354	-0.4437	0.083	0.14	1	MS.Trt_vs_MS.NoTrt_B
AC012314.1	0.02355	0.27508	0.124	0.21	1	MS.Trt_vs_MS.NoTrt_B
AC012314.1	0.02355	0.27508	0.124	0.21	1	MS.Trt_vs_MS.NoTrt_B
AC012314.1	0.02355	0.27508	0.124	0.21	1	MS.Trt_vs_MS.NoTrt_B
AC012314.1	0.02355	0.27508	0.124	0.21	1	MS.Trt_vs_MS.NoTrt_B
AC012314.3	0.02355	0.27508	0.124	0.21	1	MS.Trt_vs_MS.NoTrt_B
AC012314.6	0.02355	0.27508	0.124	0.21	1	MS.Trt_vs_MS.NoTrt_B
AC012314.7	0.02355	0.27508	0.124	0.21	1	MS.Trt_vs_MS.NoTrt_B
AC012314.9	0.02355	0.27508	0.124	0.21	1	MS.Trt_vs_MS.NoTrt_B
ADAD2	0.02355	0.92943	0.185	0.28	1	MS.Trt_vs_MS.NoTrt_B
PCBP3	0.02361	-0.665	0.336	0.47	1	MS.Trt_vs_MS.NoTrt_B
ARMC2	0.02367	-0.2535	0.052	0.1	1	MS.Trt_vs_MS.NoTrt_B
NDUFS3	0.0237	0.41901	0.434	0.55	1	MS.Trt_vs_MS.NoTrt_B
DNAJB4	0.02371	-1.2685	0.27	0.36	1	MS.Trt_vs_MS.NoTrt_B
C15orf57	0.02374	-0.3293	0.66	0.74	1	MS.Trt_vs_MS.NoTrt_B
RAPGEF1	0.02388	0.2512	0.148	0.22	1	MS.Trt_vs_MS.NoTrt_B
RP11-231C1	0.02389	0.58731	0.523	0.69	1	MS.Trt_vs_MS.NoTrt_B
TBRG4	0.0239	-0.5345	0.285	0.38	1	MS.Trt_vs_MS.NoTrt_B
HEMGN	0.02393	0.66081	0.078	0.14	1	MS.Trt_vs_MS.NoTrt_B
ZNF599	0.02405	0.28474	0.46	0.6	1	MS.Trt_vs_MS.NoTrt_B
TTC32	0.02411	0.37173	0.068	0.12	1	MS.Trt_vs_MS.NoTrt_B
PPARGC1B	0.02419	-0.3846	0.558	0.67	1	MS.Trt_vs_MS.NoTrt_B
ARHGAP33	0.02426	-0.6333	0.059	0.11	1	MS.Trt_vs_MS.NoTrt_B
NEDD9	0.02427	-0.3876	0.331	0.42	1	MS.Trt_vs_MS.NoTrt_B
SDHAF3	0.02427	0.41635	0.052	0.1	1	MS.Trt_vs_MS.NoTrt_B
CYLD	0.02429	0.37619	0.584	0.72	1	MS.Trt_vs_MS.NoTrt_B
ARFGEF2	0.02434	0.4317	0.377	0.48	1	MS.Trt_vs_MS.NoTrt_B
ATXN7	0.02444	-0.4214	0.416	0.54	1	MS.Trt_vs_MS.NoTrt_B
PHF1	0.02455	-0.288	0.111	0.18	1	MS.Trt_vs_MS.NoTrt_B
TMEM2	0.02456	0.68556	0.466	0.57	1	MS.Trt_vs_MS.NoTrt_B
DENND6B	0.02459	-0.6302	0.218	0.3	1	MS.Trt_vs_MS.NoTrt_B
TRIM33	0.02461	0.4165	0.266	0.34	1	MS.Trt_vs_MS.NoTrt_B
RPS14	0.02467	0.5136	0.954	1	1	MS.Trt_vs_MS.NoTrt_B
SLC22A18	0.02469	0.5768	0.453	0.6	1	MS.Trt_vs_MS.NoTrt_B
ARID3B	0.02469	-0.2689	0.599	0.69	1	MS.Trt_vs_MS.NoTrt_B
NAA15	0.02469	0.29122	0.63	0.74	1	MS.Trt_vs_MS.NoTrt_B
PPP4R3B	0.02472	0.53183	0.338	0.45	1	MS.Trt_vs_MS.NoTrt_B
ACSM3	0.02477	0.36597	0.455	0.6	1	MS.Trt_vs_MS.NoTrt_B

RBM12	0.02481	-0.3102	0.161	0.23	1 MS.Trt_vs_MS.NoTrt_B
DHX33	0.02484	-0.9232	0.272	0.36	1 MS.Trt_vs_MS.NoTrt_B
CIB1	0.0249	0.34349	0.168	0.26	1 MS.Trt_vs_MS.NoTrt_B
CNPY4	0.02492	0.42883	0.606	0.75	1 MS.Trt_vs_MS.NoTrt_B
BLVRA	0.02503	-0.2997	0.113	0.18	1 MS.Trt_vs_MS.NoTrt_B
AC138517.6	0.02508	1.02638	0.065	0.12	1 MS.Trt_vs_MS.NoTrt_B
SIK3	0.02515	-0.5325	0.19	0.27	1 MS.Trt_vs_MS.NoTrt_B
XRN1	0.02519	0.51058	0.821	0.92	1 MS.Trt_vs_MS.NoTrt_B
MTA3	0.0252	0.4973	0.516	0.65	1 MS.Trt_vs_MS.NoTrt_B
ST3GAL1	0.02528	-0.3273	0.179	0.25	1 MS.Trt_vs_MS.NoTrt_B
RWDD3	0.02528	0.30872	0.085	0.15	1 MS.Trt_vs_MS.NoTrt_B
ZNF670	0.02531	0.58277	0.102	0.17	1 MS.Trt_vs_MS.NoTrt_B
ATP11B	0.02532	0.88101	0.185	0.27	1 MS.Trt_vs_MS.NoTrt_B
PPP2R3A	0.02537	0.27519	0.59	0.76	1 MS.Trt_vs_MS.NoTrt_B
GLMP	0.02538	0.2946	0.617	0.76	1 MS.Trt_vs_MS.NoTrt_B
SOS2	0.02541	0.42121	0.07	0.12	1 MS.Trt_vs_MS.NoTrt_B
EXOSC8	0.02543	0.59956	0.425	0.54	1 MS.Trt_vs_MS.NoTrt_B
ZRANB3	0.02544	-0.2536	0.545	0.71	1 MS.Trt_vs_MS.NoTrt_B
PTAR1	0.02551	0.44842	0.124	0.2	1 MS.Trt_vs_MS.NoTrt_B
ATP8A1	0.02551	-0.3139	0.109	0.17	1 MS.Trt_vs_MS.NoTrt_B
TDG	0.02562	0.29695	0.229	0.32	1 MS.Trt_vs_MS.NoTrt_B
ASAH2B	0.02563	0.28869	0.331	0.41	1 MS.Trt_vs_MS.NoTrt_B
MUC20	0.02568	0.36217	0.407	0.56	1 MS.Trt_vs_MS.NoTrt_B
GCNT1	0.0257	0.86657	0.179	0.27	1 MS.Trt_vs_MS.NoTrt_B
MAP2K3	0.02572	-0.7335	0.089	0.15	1 MS.Trt_vs_MS.NoTrt_B
NEO1	0.02573	0.97513	0.216	0.33	1 MS.Trt_vs_MS.NoTrt_B
DMGDH	0.02582	0.26426	0.322	0.45	1 MS.Trt_vs_MS.NoTrt_B
MMS22L	0.02592	0.26037	0.817	0.92	1 MS.Trt_vs_MS.NoTrt_B
MAMLD1	0.02592	0.71752	0.163	0.24	1 MS.Trt_vs_MS.NoTrt_B
TTC26	0.02596	-0.2717	0.292	0.39	1 MS.Trt_vs_MS.NoTrt_B
ZDHHC6	0.02603	0.29734	0.122	0.19	1 MS.Trt_vs_MS.NoTrt_B
TG	0.02606	0.6035	0.052	0.1	1 MS.Trt_vs_MS.NoTrt_B
FBXO6	0.02608	0.30569	0.545	0.71	1 MS.Trt_vs_MS.NoTrt_B
MED30	0.02624	0.30182	0.087	0.15	1 MS.Trt_vs_MS.NoTrt_B
POU2AF1	0.02633	0.45765	0.542	0.7	1 MS.Trt_vs_MS.NoTrt_B
GYG1	0.02635	-0.8105	0.434	0.52	1 MS.Trt_vs_MS.NoTrt_B
EMC10	0.0264	0.30836	0.708	0.83	1 MS.Trt_vs_MS.NoTrt_B
ATP6V0E1	0.02642	0.33109	0.244	0.35	1 MS.Trt_vs_MS.NoTrt_B
ZFC3H1	0.02656	0.47977	0.29	0.4	1 MS.Trt_vs_MS.NoTrt_B
QKI	0.0266	-0.9587	0.292	0.39	1 MS.Trt_vs_MS.NoTrt_B

ZNF595	0.02662	0.95944	0.671	0.81	1 MS.Trt_vs_MS.NoTrt_B
MTIF2	0.02662	-1.7896	0.322	0.4	1 MS.Trt_vs_MS.NoTrt_B
TUBA1C	0.02667	-0.479	0.479	0.61	1 MS.Trt_vs_MS.NoTrt_B
TRIP4	0.02668	-0.4144	0.455	0.55	1 MS.Trt_vs_MS.NoTrt_B
RP11-514P8	0.02687	-0.3264	0.054	0.1	1 MS.Trt_vs_MS.NoTrt_B
ANAPC2	0.02687	-0.873	0.054	0.1	1 MS.Trt_vs_MS.NoTrt_B
TTBK2	0.02693	1.10818	0.397	0.5	1 MS.Trt_vs_MS.NoTrt_B
MLH3	0.02698	-0.2853	0.068	0.12	1 MS.Trt_vs_MS.NoTrt_B
ZNF778	0.02698	1.14934	0.495	0.61	1 MS.Trt_vs_MS.NoTrt_B
AC016577.1	0.02709	0.28885	0.298	0.42	1 MS.Trt_vs_MS.NoTrt_B
NUDCD2	0.02711	0.29773	0.645	0.72	1 MS.Trt_vs_MS.NoTrt_B
XPNPEP3	0.02712	0.27301	0.81	0.94	1 MS.Trt_vs_MS.NoTrt_B
PAIP2	0.02712	0.55769	0.542	0.63	1 MS.Trt_vs_MS.NoTrt_B
FAR2	0.02714	0.39527	0.137	0.21	1 MS.Trt_vs_MS.NoTrt_B
MYO5A	0.02717	-0.3526	0.647	0.73	1 MS.Trt_vs_MS.NoTrt_B
C11orf63	0.0272	0.48935	0.364	0.47	1 MS.Trt_vs_MS.NoTrt_B
SAV1	0.02723	-0.3513	0.235	0.32	1 MS.Trt_vs_MS.NoTrt_B
TAF5L	0.02723	-0.7637	0.083	0.14	1 MS.Trt_vs_MS.NoTrt_B
LRRC8B	0.02725	0.83889	0.349	0.47	1 MS.Trt_vs_MS.NoTrt_B
RIPK2	0.02732	-0.7804	0.118	0.18	1 MS.Trt_vs_MS.NoTrt_B
PLD1	0.02735	-0.5842	0.39	0.52	1 MS.Trt_vs_MS.NoTrt_B
BIRC5	0.02749	-0.3547	0.593	0.71	1 MS.Trt_vs_MS.NoTrt_B
NCOA5	0.0275	-0.4228	0.078	0.14	1 MS.Trt_vs_MS.NoTrt_B
THAP9	0.02755	0.36961	0.453	0.6	1 MS.Trt_vs_MS.NoTrt_B
TXNRD1	0.02757	0.31412	0.246	0.33	1 MS.Trt_vs_MS.NoTrt_B
KIF6	0.02757	0.41572	0.736	0.9	1 MS.Trt_vs_MS.NoTrt_B
GMCL1	0.02757	0.73303	0.283	0.38	1 MS.Trt_vs_MS.NoTrt_B
SNRNP40	0.02764	0.29293	0.135	0.21	1 MS.Trt_vs_MS.NoTrt_B
GTF2F1	0.02769	0.28105	0.246	0.34	1 MS.Trt_vs_MS.NoTrt_B
PRRC1	0.0277	0.38325	0.292	0.38	1 MS.Trt_vs_MS.NoTrt_B
ZNF280B	0.0278	1.10441	0.076	0.13	1 MS.Trt_vs_MS.NoTrt_B
ZNF169	0.0278	-0.4022	0.699	0.81	1 MS.Trt_vs_MS.NoTrt_B
RPAP1	0.02782	-0.4316	0.693	0.83	1 MS.Trt_vs_MS.NoTrt_B
HTT	0.02794	0.34522	0.163	0.24	1 MS.Trt_vs_MS.NoTrt_B
GMPPB	0.02813	-0.6314	0.32	0.41	1 MS.Trt_vs_MS.NoTrt_B
SYNE2	0.02816	0.31879	0.854	0.96	1 MS.Trt_vs_MS.NoTrt_B
IP6K1	0.02819	0.51127	0.078	0.14	1 MS.Trt_vs_MS.NoTrt_B
PLEKHA1	0.02829	0.41383	0.854	0.94	1 MS.Trt_vs_MS.NoTrt_B
STK39	0.02851	0.82574	0.07	0.12	1 MS.Trt_vs_MS.NoTrt_B
KIAA1958	0.02854	-0.5083	0.573	0.69	1 MS.Trt_vs_MS.NoTrt_B



GNG10	0.02862	0.77165	0.113	0.18	1 MS.Trt_vs_MS.NoTrt_B
CLSTN1	0.02865	0.25755	0.161	0.24	1 MS.Trt_vs_MS.NoTrt_B
CCDC69	0.02866	0.33665	0.695	0.83	1 MS.Trt_vs_MS.NoTrt_B
NT5C3B	0.02874	0.36866	0.51	0.64	1 MS.Trt_vs_MS.NoTrt_B
THRAP3	0.02874	0.3337	0.322	0.42	1 MS.Trt_vs_MS.NoTrt_B
PIGM	0.02875	-0.5169	0.458	0.54	1 MS.Trt_vs_MS.NoTrt_B
HSD17B7	0.02879	0.48926	0.412	0.51	1 MS.Trt_vs_MS.NoTrt_B
CWC27	0.02892	-0.2575	0.087	0.15	1 MS.Trt_vs_MS.NoTrt_B
ZNF764	0.02901	-0.4148	0.235	0.32	1 MS.Trt_vs_MS.NoTrt_B
GRIA1	0.02908	0.42811	0.076	0.14	1 MS.Trt_vs_MS.NoTrt_B
ABCF1	0.02908	0.35432	0.712	0.82	1 MS.Trt_vs_MS.NoTrt_B
ERCC4	0.02913	0.67062	0.793	0.89	1 MS.Trt_vs_MS.NoTrt_B
TRUB2	0.02915	-0.4299	0.878	0.98	1 MS.Trt_vs_MS.NoTrt_B
PRKAB1	0.02922	0.49418	0.651	0.76	1 MS.Trt_vs_MS.NoTrt_B
RGPD8	0.02922	0.91595	0.124	0.2	1 MS.Trt_vs_MS.NoTrt_B
ATP13A4	0.02926	0.61405	0.32	0.42	1 MS.Trt_vs_MS.NoTrt_B
ASXL1	0.02929	0.39388	0.146	0.22	1 MS.Trt_vs_MS.NoTrt_B
ORAOV1	0.02936	-0.5642	0.529	0.64	1 MS.Trt_vs_MS.NoTrt_B
AMACR	0.02943	-1.5475	0.054	0.1	1 MS.Trt_vs_MS.NoTrt_B
SRPRB	0.02945	-0.4255	0.115	0.18	1 MS.Trt_vs_MS.NoTrt_B
BMP1	0.0296	0.70866	0.381	0.51	1 MS.Trt_vs_MS.NoTrt_B
FAM91A1	0.02965	-0.8691	0.233	0.32	1 MS.Trt_vs_MS.NoTrt_B
EFL1	0.02967	-0.4703	0.068	0.12	1 MS.Trt_vs_MS.NoTrt_B
RFX3	0.02974	0.77697	0.098	0.16	1 MS.Trt_vs_MS.NoTrt_B
POGZ	0.02979	0.44667	0.684	0.8	1 MS.Trt_vs_MS.NoTrt_B
FUT11	0.02981	-0.5885	0.603	0.72	1 MS.Trt_vs_MS.NoTrt_B
VBP1	0.02983	0.49398	0.092	0.15	1 MS.Trt_vs_MS.NoTrt_B
ITIH5	0.0299	0.48156	0.688	0.83	1 MS.Trt_vs_MS.NoTrt_B
BTG3	0.02996	-0.4787	0.196	0.27	1 MS.Trt_vs_MS.NoTrt_B
CCDC9	0.02999	-0.2931	0.172	0.24	1 MS.Trt_vs_MS.NoTrt_B
PGS1	0.03004	-0.534	0.512	0.58	1 MS.Trt_vs_MS.NoTrt_B
INTS6	0.03006	0.36414	0.824	0.94	1 MS.Trt_vs_MS.NoTrt_B
PAQR8	0.03007	-0.3252	0.375	0.47	1 MS.Trt_vs_MS.NoTrt_B
SERINC1	0.03012	0.34718	0.505	0.63	1 MS.Trt_vs_MS.NoTrt_B
NLRP2	0.03029	0.58912	0.706	0.81	1 MS.Trt_vs_MS.NoTrt_B
WDR33	0.03037	0.54675	0.172	0.25	1 MS.Trt_vs_MS.NoTrt_B
SPRYD3	0.0304	-0.3711	0.098	0.16	1 MS.Trt_vs_MS.NoTrt_B
AKAP8	0.03041	-0.3478	0.275	0.37	1 MS.Trt_vs_MS.NoTrt_B
MRPS21	0.03056	0.5186	0.42	0.52	1 MS.Trt_vs_MS.NoTrt_B
PARN	0.03057	-0.5267	0.606	0.69	1 MS.Trt_vs_MS.NoTrt_B

APBA2	0.03061	0.5622	0.412	0.54	1 MS.Trt_vs_MS.NoTrt_B
NUMA1	0.03061	0.27256	0.78	0.91	1 MS.Trt_vs_MS.NoTrt_B
TIRAP	0.03064	-1.1561	0.355	0.45	1 MS.Trt_vs_MS.NoTrt_B
SLC24A1	0.03068	1.17004	0.344	0.45	1 MS.Trt_vs_MS.NoTrt_B
RAC1	0.0307	0.51074	0.102	0.17	1 MS.Trt_vs_MS.NoTrt_B
ZNF772	0.03077	0.4489	0.373	0.45	1 MS.Trt_vs_MS.NoTrt_B
COQ3	0.03078	-0.2663	0.185	0.26	1 MS.Trt_vs_MS.NoTrt_B
MTUS1	0.0308	0.52269	0.27	0.37	1 MS.Trt_vs_MS.NoTrt_B
TTC23	0.03085	0.27156	0.442	0.56	1 MS.Trt_vs_MS.NoTrt_B
SOAT1	0.03087	-0.505	0.61	0.64	1 MS.Trt_vs_MS.NoTrt_B
BCAT1	0.0309	-0.6216	0.344	0.45	1 MS.Trt_vs_MS.NoTrt_B
HERC6	0.0309	-0.9833	0.237	0.3	1 MS.Trt_vs_MS.NoTrt_B
RIT1	0.03098	0.86031	0.327	0.42	1 MS.Trt_vs_MS.NoTrt_B
TP53I13	0.03098	0.38418	0.083	0.14	1 MS.Trt_vs_MS.NoTrt_B
TYW5	0.03103	1.07531	0.78	0.91	1 MS.Trt_vs_MS.NoTrt_B
CAPN10	0.03105	0.79747	0.37	0.48	1 MS.Trt_vs_MS.NoTrt_B
NR1H3	0.03116	0.65325	0.092	0.15	1 MS.Trt_vs_MS.NoTrt_B
CPT1B	0.03117	-0.9328	0.118	0.18	1 MS.Trt_vs_MS.NoTrt_B
SLMAP	0.03117	0.54497	0.641	0.77	1 MS.Trt_vs_MS.NoTrt_B
CHD9	0.03122	0.64348	0.305	0.4	1 MS.Trt_vs_MS.NoTrt_B
HTN1	0.03124	0.32742	0.586	0.75	1 MS.Trt_vs_MS.NoTrt_B
STK17A	0.03131	0.71682	0.196	0.29	1 MS.Trt_vs_MS.NoTrt_B
ANAPC1	0.03131	0.77484	0.434	0.56	1 MS.Trt_vs_MS.NoTrt_B
SBK1	0.03134	0.3276	0.118	0.18	1 MS.Trt_vs_MS.NoTrt_B
ACSF2	0.0314	-1.0887	0.336	0.44	1 MS.Trt_vs_MS.NoTrt_B
BBS9	0.03146	-0.6021	0.072	0.12	1 MS.Trt_vs_MS.NoTrt_B
DNASE2	0.03148	-0.2635	0.349	0.46	1 MS.Trt_vs_MS.NoTrt_B
ATG5	0.03156	0.30477	0.126	0.2	1 MS.Trt_vs_MS.NoTrt_B
UBAP1L	0.03156	0.50938	0.288	0.38	1 MS.Trt_vs_MS.NoTrt_B
CEP126	0.03174	0.61268	0.577	0.73	1 MS.Trt_vs_MS.NoTrt_B
RP11-226E2	0.0318	0.6305	0.516	0.63	1 MS.Trt_vs_MS.NoTrt_B
HAUS5	0.03188	0.56385	0.318	0.43	1 MS.Trt_vs_MS.NoTrt_B
SPC24	0.03188	-0.3878	0.793	0.82	1 MS.Trt_vs_MS.NoTrt_B
ZNF566	0.03191	-0.4193	0.752	0.88	1 MS.Trt_vs_MS.NoTrt_B
PHLDA1	0.03201	-0.9513	0.357	0.44	1 MS.Trt_vs_MS.NoTrt_B
GLB1L2	0.03205	0.66197	0.272	0.36	1 MS.Trt_vs_MS.NoTrt_B
COL4A3BP	0.03218	0.50331	0.087	0.15	1 MS.Trt_vs_MS.NoTrt_B
ABO	0.03218	-0.8791	0.266	0.36	1 MS.Trt_vs_MS.NoTrt_B
MVD	0.03219	0.32662	0.386	0.5	1 MS.Trt_vs_MS.NoTrt_B
JAKMIP2	0.03228	-1.2083	0.305	0.38	1 MS.Trt_vs_MS.NoTrt_B

CHIT1	0.03229	-1.2327	0.063	0.11	1 MS.Trt_vs_MS.NoTrt_B
ZC3H12B	0.03233	0.7214	0.429	0.52	1 MS.Trt_vs_MS.NoTrt_B
BRD3	0.0324	0.3045	0.118	0.18	1 MS.Trt_vs_MS.NoTrt_B
CCDC91	0.03245	0.30105	0.34	0.43	1 MS.Trt_vs_MS.NoTrt_B
ZNF70	0.03245	-0.3418	0.71	0.84	1 MS.Trt_vs_MS.NoTrt_B
SCOC	0.03255	0.35599	0.063	0.11	1 MS.Trt_vs_MS.NoTrt_B
TPRG1	0.03267	-0.6814	0.124	0.19	1 MS.Trt_vs_MS.NoTrt_B
RAB2A	0.03271	0.27273	0.155	0.23	1 MS.Trt_vs_MS.NoTrt_B
ADAT2	0.03272	0.60688	0.279	0.38	1 MS.Trt_vs_MS.NoTrt_B
TMCO6	0.03296	-0.5836	0.412	0.51	1 MS.Trt_vs_MS.NoTrt_B
GNAS	0.03301	0.44795	0.377	0.5	1 MS.Trt_vs_MS.NoTrt_B
COA5	0.03305	0.46759	0.388	0.49	1 MS.Trt_vs_MS.NoTrt_B
DYNC1H1	0.03307	0.3885	0.841	0.96	1 MS.Trt_vs_MS.NoTrt_B
MRPS25	0.0331	0.44517	0.346	0.44	1 MS.Trt_vs_MS.NoTrt_B
CHST14	0.03315	-0.6503	0.157	0.23	1 MS.Trt_vs_MS.NoTrt_B
ITGAX	0.03324	0.55165	0.412	0.54	1 MS.Trt_vs_MS.NoTrt_B
ENO3	0.03324	0.52912	0.364	0.47	1 MS.Trt_vs_MS.NoTrt_B
ZNF816	0.03327	0.36969	0.403	0.5	1 MS.Trt_vs_MS.NoTrt_B
SNX30	0.0334	1.05903	0.344	0.45	1 MS.Trt_vs_MS.NoTrt_B
TIMM17B	0.03357	0.38422	0.584	0.67	1 MS.Trt_vs_MS.NoTrt_B
PGF	0.03358	0.29335	0.185	0.25	1 MS.Trt_vs_MS.NoTrt_B
SGK1	0.03363	-0.8105	0.27	0.37	1 MS.Trt_vs_MS.NoTrt_B
IL13RA1	0.03378	0.37357	0.196	0.28	1 MS.Trt_vs_MS.NoTrt_B
C14orf93	0.03384	-0.3785	0.229	0.3	1 MS.Trt_vs_MS.NoTrt_B
CHSY1	0.03384	-0.8155	0.181	0.25	1 MS.Trt_vs_MS.NoTrt_B
FAAP20	0.03388	0.64494	0.78	0.86	1 MS.Trt_vs_MS.NoTrt_B
C1GALT1	0.03388	0.29281	0.473	0.58	1 MS.Trt_vs_MS.NoTrt_B
RFC4	0.03417	-0.2565	0.192	0.27	1 MS.Trt_vs_MS.NoTrt_B
ZFP36L2	0.03425	0.68762	0.327	0.45	1 MS.Trt_vs_MS.NoTrt_B
TUBGCP6	0.03435	0.36218	0.545	0.63	1 MS.Trt_vs_MS.NoTrt_B
ZHX3	0.03438	0.49915	0.29	0.4	1 MS.Trt_vs_MS.NoTrt_B
ZFAND4	0.03442	-0.694	0.303	0.41	1 MS.Trt_vs_MS.NoTrt_B
FAM101B	0.03447	0.58485	0.17	0.25	1 MS.Trt_vs_MS.NoTrt_B
MYO15A	0.0347	0.32022	0.684	0.82	1 MS.Trt_vs_MS.NoTrt_B
YEATS2	0.03514	0.71668	0.553	0.66	1 MS.Trt_vs_MS.NoTrt_B
COPB2	0.0352	-0.5005	0.824	0.91	1 MS.Trt_vs_MS.NoTrt_B
HDDC3	0.03526	-0.5061	0.292	0.37	1 MS.Trt_vs_MS.NoTrt_B
TIMM22	0.03539	-0.3155	0.07	0.12	1 MS.Trt_vs_MS.NoTrt_B
CTSA	0.03541	-0.6762	0.562	0.65	1 MS.Trt_vs_MS.NoTrt_B
APOBEC3D	0.03552	-0.2566	0.51	0.6	1 MS.Trt_vs_MS.NoTrt_B

BAG2	0.03555	0.33787	0.174	0.25	1	MS.Trt_vs_MS.NoTrt_B
PXYLP1	0.03569	0.28132	0.353	0.47	1	MS.Trt_vs_MS.NoTrt_B
CLN8	0.0357	-0.2956	0.721	0.83	1	MS.Trt_vs_MS.NoTrt_B
ATF7IP	0.03571	0.37257	0.749	0.83	1	MS.Trt_vs_MS.NoTrt_B
GOT2	0.03572	-0.3356	0.763	0.86	1	MS.Trt_vs_MS.NoTrt_B
FAM149A	0.03573	-0.6206	0.222	0.3	1	MS.Trt_vs_MS.NoTrt_B
RPS6KA3	0.03594	0.44594	0.425	0.55	1	MS.Trt_vs_MS.NoTrt_B
UBA5	0.03596	0.52584	0.098	0.16	1	MS.Trt_vs_MS.NoTrt_B
TMEM33	0.036	0.57463	0.8	0.84	1	MS.Trt_vs_MS.NoTrt_B
VPS53	0.03603	0.32789	0.887	0.95	1	MS.Trt_vs_MS.NoTrt_B
RP11-599B1	0.03616	0.27584	0.248	0.35	1	MS.Trt_vs_MS.NoTrt_B
HACL1	0.03618	-0.2631	0.085	0.14	1	MS.Trt_vs_MS.NoTrt_B
ZRANB1	0.03625	-0.6739	0.061	0.11	1	MS.Trt_vs_MS.NoTrt_B
SLC3A1	0.03626	0.65733	0.538	0.7	1	MS.Trt_vs_MS.NoTrt_B
APOBEC3F	0.03635	0.31477	0.795	0.88	1	MS.Trt_vs_MS.NoTrt_B
TXK	0.03636	0.61831	0.51	0.63	1	MS.Trt_vs_MS.NoTrt_B
ICAM1	0.0364	0.48592	0.379	0.46	1	MS.Trt_vs_MS.NoTrt_B
EFCAB10	0.03645	0.62021	0.133	0.21	1	MS.Trt_vs_MS.NoTrt_B
ATP10B	0.03656	0.32879	0.538	0.69	1	MS.Trt_vs_MS.NoTrt_B
CDC26	0.03659	0.41785	0.198	0.28	1	MS.Trt_vs_MS.NoTrt_B
SPTY2D1	0.0366	-0.282	0.261	0.34	1	MS.Trt_vs_MS.NoTrt_B
CCS	0.03665	-0.5924	0.15	0.22	1	MS.Trt_vs_MS.NoTrt_B
TATDN3	0.03671	-0.4248	0.697	0.82	1	MS.Trt_vs_MS.NoTrt_B
CDKN2AIP	0.03679	-0.2715	0.057	0.1	1	MS.Trt_vs_MS.NoTrt_B
MLLT10	0.0368	0.78188	0.253	0.33	1	MS.Trt_vs_MS.NoTrt_B
TRIM26	0.03688	0.35107	0.142	0.21	1	MS.Trt_vs_MS.NoTrt_B
C1orf52	0.03698	-0.2736	0.216	0.29	1	MS.Trt_vs_MS.NoTrt_B
IL17RE	0.03709	-0.8675	0.174	0.24	1	MS.Trt_vs_MS.NoTrt_B
ATP10D	0.03725	0.7879	0.251	0.35	1	MS.Trt_vs_MS.NoTrt_B
TANK	0.03734	-0.3779	0.172	0.24	1	MS.Trt_vs_MS.NoTrt_B
LANCL2	0.03755	0.38898	0.068	0.12	1	MS.Trt_vs_MS.NoTrt_B
CCNC	0.03755	0.53185	0.492	0.62	1	MS.Trt_vs_MS.NoTrt_B
PPP3R1	0.03757	0.34122	0.098	0.16	1	MS.Trt_vs_MS.NoTrt_B
RBFA	0.03758	0.89306	0.205	0.29	1	MS.Trt_vs_MS.NoTrt_B
LAP3	0.03758	-0.4021	0.092	0.15	1	MS.Trt_vs_MS.NoTrt_B
SLC35A3	0.03761	-0.466	0.678	0.76	1	MS.Trt_vs_MS.NoTrt_B
MRPS31	0.03767	0.66898	0.346	0.47	1	MS.Trt_vs_MS.NoTrt_B
DUT	0.03771	0.41226	0.118	0.18	1	MS.Trt_vs_MS.NoTrt_B
IPO8	0.03776	0.70127	0.383	0.5	1	MS.Trt_vs_MS.NoTrt_B
MECR	0.03782	-1.0071	0.224	0.3	1	MS.Trt_vs_MS.NoTrt_B

C3orf33	0.03783	0.28938	0.373	0.48	1	MS.Trt_vs_MS.NoTrt_B
APOBEC3G	0.03785	-0.4284	0.654	0.74	1	MS.Trt_vs_MS.NoTrt_B
FAM63A	0.03805	1.14278	0.431	0.58	1	MS.Trt_vs_MS.NoTrt_B
ODF2	0.03812	-0.297	0.397	0.48	1	MS.Trt_vs_MS.NoTrt_B
ZNF492	0.03814	0.35153	0.486	0.4	1	MS.Trt_vs_MS.NoTrt_B
RUVBL1	0.03818	0.95112	0.625	0.58	1	MS.Trt_vs_MS.NoTrt_B
PCDHGA1	0.03819	0.54417	0.211	0.3	1	MS.Trt_vs_MS.NoTrt_B
SPEN	0.03821	0.32294	0.198	0.28	1	MS.Trt_vs_MS.NoTrt_B
DENND5B	0.03825	0.35351	0.436	0.54	1	MS.Trt_vs_MS.NoTrt_B
IGHMBP2	0.03825	-1.0429	0.285	0.37	1	MS.Trt_vs_MS.NoTrt_B
IFT122	0.03831	0.5724	0.734	0.88	1	MS.Trt_vs_MS.NoTrt_B
GSR	0.03837	-0.4927	0.17	0.24	1	MS.Trt_vs_MS.NoTrt_B
TRIM44	0.03838	0.47972	0.187	0.27	1	MS.Trt_vs_MS.NoTrt_B
SLC16A7	0.03849	-0.5138	0.512	0.6	1	MS.Trt_vs_MS.NoTrt_B
AURKA	0.03856	1.72642	0.227	0.3	1	MS.Trt_vs_MS.NoTrt_B
ARMT1	0.03874	0.37132	0.057	0.1	1	MS.Trt_vs_MS.NoTrt_B
PHACTR2	0.03877	0.99664	0.41	0.5	1	MS.Trt_vs_MS.NoTrt_B
TRAPPC10	0.03877	0.346	0.168	0.24	1	MS.Trt_vs_MS.NoTrt_B
ZNF594	0.0388	1.26569	0.353	0.45	1	MS.Trt_vs_MS.NoTrt_B
TMX3	0.03883	0.91285	0.301	0.41	1	MS.Trt_vs_MS.NoTrt_B
NUDT22	0.03887	0.36301	0.582	0.65	1	MS.Trt_vs_MS.NoTrt_B
PFKFB3	0.03889	0.42994	0.157	0.23	1	MS.Trt_vs_MS.NoTrt_B
POLK	0.03891	0.6924	0.678	0.79	1	MS.Trt_vs_MS.NoTrt_B
TDRD3	0.03893	-0.2994	0.473	0.55	1	MS.Trt_vs_MS.NoTrt_B
SIPA1	0.039	-0.3185	0.481	0.59	1	MS.Trt_vs_MS.NoTrt_B
KIF3B	0.03903	-0.82	0.325	0.4	1	MS.Trt_vs_MS.NoTrt_B
FAM220A	0.03917	-0.2949	0.24	0.31	1	MS.Trt_vs_MS.NoTrt_B
FADS1	0.03932	-0.3208	0.508	0.6	1	MS.Trt_vs_MS.NoTrt_B
RNF14	0.03939	0.30449	0.477	0.63	1	MS.Trt_vs_MS.NoTrt_B
TOMM70	0.03951	0.51731	0.087	0.14	1	MS.Trt_vs_MS.NoTrt_B
TBC1D7	0.03955	0.31719	0.39	0.48	1	MS.Trt_vs_MS.NoTrt_B
ATP6AP1	0.03958	-0.4306	0.364	0.42	1	MS.Trt_vs_MS.NoTrt_B
ESYT3	0.03968	0.56623	0.388	0.51	1	MS.Trt_vs_MS.NoTrt_B
PARP14	0.03972	0.35832	0.32	0.39	1	MS.Trt_vs_MS.NoTrt_B
LTBP4	0.03976	-0.2603	0.423	0.49	1	MS.Trt_vs_MS.NoTrt_B
GJB7	0.03988	0.62289	0.083	0.14	1	MS.Trt_vs_MS.NoTrt_B
DCP1A	0.04005	-0.4453	0.292	0.37	1	MS.Trt_vs_MS.NoTrt_B
NASP	0.04021	0.67315	0.856	0.88	1	MS.Trt_vs_MS.NoTrt_B
VPS54	0.04026	0.47147	0.327	0.43	1	MS.Trt_vs_MS.NoTrt_B
HSPA4L	0.04029	0.29655	0.834	0.86	1	MS.Trt_vs_MS.NoTrt_B

DPP9	0.0403	-0.3524	0.577	0.66	1 MS.Trt_vs_MS.NoTrt_B
FUT10	0.0404	0.9057	0.277	0.35	1 MS.Trt_vs_MS.NoTrt_B
ANKS3	0.04041	-0.4551	0.571	0.7	1 MS.Trt_vs_MS.NoTrt_B
GGA1	0.04052	0.33819	0.895	0.97	1 MS.Trt_vs_MS.NoTrt_B
PYROXD2	0.04059	0.25595	0.115	0.18	1 MS.Trt_vs_MS.NoTrt_B
SEC22B	0.04067	0.59062	0.739	0.84	1 MS.Trt_vs_MS.NoTrt_B
JMJD4	0.0407	-0.7163	0.2	0.28	1 MS.Trt_vs_MS.NoTrt_B
ARMC10	0.04074	0.47806	0.503	0.64	1 MS.Trt_vs_MS.NoTrt_B
C5orf42	0.04082	1.26031	0.392	0.5	1 MS.Trt_vs_MS.NoTrt_B
CDV3	0.04102	0.33988	0.192	0.27	1 MS.Trt_vs_MS.NoTrt_B
CARS	0.04106	-0.2993	0.654	0.75	1 MS.Trt_vs_MS.NoTrt_B
ZNF81	0.04109	0.42118	0.19	0.27	1 MS.Trt_vs_MS.NoTrt_B
SIL1	0.0411	-0.3353	0.061	0.11	1 MS.Trt_vs_MS.NoTrt_B
AIFM2	0.0411	0.63622	0.259	0.35	1 MS.Trt_vs_MS.NoTrt_B
DYRK2	0.04115	0.37526	0.135	0.2	1 MS.Trt_vs_MS.NoTrt_B
CSNK1A1	0.04128	0.34582	0.791	0.82	1 MS.Trt_vs_MS.NoTrt_B
KIAA0586	0.04135	0.47307	0.71	0.81	1 MS.Trt_vs_MS.NoTrt_B
PRRC2B	0.04137	0.53802	0.179	0.25	1 MS.Trt_vs_MS.NoTrt_B
E2F3	0.0414	0.60752	0.129	0.2	1 MS.Trt_vs_MS.NoTrt_B
XRCC2	0.04148	0.27515	0.636	0.85	1 MS.Trt_vs_MS.NoTrt_B
LXN	0.04155	0.73642	0.113	0.17	1 MS.Trt_vs_MS.NoTrt_B
TSPAN6	0.04159	0.29195	0.418	0.55	1 MS.Trt_vs_MS.NoTrt_B
RAPGEF6	0.04164	0.46097	0.442	0.54	1 MS.Trt_vs_MS.NoTrt_B
RASSF2	0.04165	0.25294	0.261	0.35	1 MS.Trt_vs_MS.NoTrt_B
CTD-2331H1	0.04166	-0.9462	0.137	0.21	1 MS.Trt_vs_MS.NoTrt_B
DCUN1D4	0.04168	0.99652	0.227	0.31	1 MS.Trt_vs_MS.NoTrt_B
PJA2	0.04171	0.51926	0.203	0.28	1 MS.Trt_vs_MS.NoTrt_B
DNAJC11	0.04183	-0.5412	0.135	0.2	1 MS.Trt_vs_MS.NoTrt_B
C22orf29	0.04184	-0.3568	0.346	0.42	1 MS.Trt_vs_MS.NoTrt_B
ZFAT	0.04194	-0.6769	0.227	0.31	1 MS.Trt_vs_MS.NoTrt_B
CD180	0.04216	0.29084	0.209	0.29	1 MS.Trt_vs_MS.NoTrt_B
ZNF211	0.04221	0.46219	0.159	0.23	1 MS.Trt_vs_MS.NoTrt_B
NMRAL1	0.04226	0.60993	0.373	0.48	1 MS.Trt_vs_MS.NoTrt_B
SLC25A51	0.0423	0.38613	0.466	0.57	1 MS.Trt_vs_MS.NoTrt_B
RB1	0.04251	0.47086	0.111	0.17	1 MS.Trt_vs_MS.NoTrt_B
STX18	0.04259	-0.4601	0.102	0.16	1 MS.Trt_vs_MS.NoTrt_B
APIP	0.04263	-0.4358	0.407	0.48	1 MS.Trt_vs_MS.NoTrt_B
NDUFS6	0.04263	0.51862	0.105	0.17	1 MS.Trt_vs_MS.NoTrt_B
MAP1S	0.04268	-0.3654	0.521	0.6	1 MS.Trt_vs_MS.NoTrt_B
MBD5	0.04273	0.78422	0.706	0.88	1 MS.Trt_vs_MS.NoTrt_B

ATMIN	0.04295	0.77764	0.192	0.27	1 MS.Trt_vs_MS.NoTrt_B
REXO2	0.04295	0.25709	0.148	0.22	1 MS.Trt_vs_MS.NoTrt_B
RUFY3	0.04299	0.77723	0.397	0.51	1 MS.Trt_vs_MS.NoTrt_B
PKIG	0.0432	0.77966	0.523	0.54	1 MS.Trt_vs_MS.NoTrt_B
TEX14	0.04321	1.23218	0.059	0.11	1 MS.Trt_vs_MS.NoTrt_B
HSH2D	0.04345	-0.6902	0.514	0.63	1 MS.Trt_vs_MS.NoTrt_B
ZNHIT6	0.04348	-0.5458	0.292	0.38	1 MS.Trt_vs_MS.NoTrt_B
MAD2L1BP	0.0435	-0.5418	0.109	0.16	1 MS.Trt_vs_MS.NoTrt_B
ZEB1	0.04354	0.91748	0.438	0.56	1 MS.Trt_vs_MS.NoTrt_B
TPCN2	0.04377	0.6281	0.449	0.57	1 MS.Trt_vs_MS.NoTrt_B
MOCS3	0.04405	0.52704	0.688	0.81	1 MS.Trt_vs_MS.NoTrt_B
KLHL20	0.04412	-0.2589	0.094	0.15	1 MS.Trt_vs_MS.NoTrt_B
RP9	0.04436	-0.3	0.061	0.11	1 MS.Trt_vs_MS.NoTrt_B
C2orf49	0.04438	0.74488	0.32	0.42	1 MS.Trt_vs_MS.NoTrt_B
SON	0.04439	0.28211	0.847	0.97	1 MS.Trt_vs_MS.NoTrt_B
CEP85L	0.04446	0.25973	0.222	0.3	1 MS.Trt_vs_MS.NoTrt_B
HEBP2	0.04466	1.00943	0.292	0.37	1 MS.Trt_vs_MS.NoTrt_B
TAB1	0.04472	-0.2898	0.065	0.11	1 MS.Trt_vs_MS.NoTrt_B
ZC3H18	0.04479	0.48117	0.582	0.71	1 MS.Trt_vs_MS.NoTrt_B
MRFAP1	0.04489	-0.4499	0.22	0.29	1 MS.Trt_vs_MS.NoTrt_B
RFX2	0.04497	0.47032	0.401	0.49	1 MS.Trt_vs_MS.NoTrt_B
ZNF568	0.04509	-0.4517	0.706	0.81	1 MS.Trt_vs_MS.NoTrt_B
RSRC1	0.0452	0.30308	0.599	0.71	1 MS.Trt_vs_MS.NoTrt_B
EID2B	0.04531	-0.8172	0.414	0.5	1 MS.Trt_vs_MS.NoTrt_B
ERCC2	0.04565	0.32354	0.425	0.51	1 MS.Trt_vs_MS.NoTrt_B
NEIL2	0.04598	0.36785	0.072	0.12	1 MS.Trt_vs_MS.NoTrt_B
ZNF429	0.04598	-0.2847	0.817	0.92	1 MS.Trt_vs_MS.NoTrt_B
AL592183.1	0.04621	0.30052	0.078	0.13	1 MS.Trt_vs_MS.NoTrt_B
ADIPOQ	0.04624	-0.2601	0.473	0.61	1 MS.Trt_vs_MS.NoTrt_B
STRC	0.0466	0.94729	0.427	0.51	1 MS.Trt_vs_MS.NoTrt_B
SPDYA	0.04675	1.01121	0.061	0.11	1 MS.Trt_vs_MS.NoTrt_B
TSPAN17	0.04681	-0.4181	0.068	0.11	1 MS.Trt_vs_MS.NoTrt_B
DNASE1L1	0.04685	-0.4083	0.063	0.11	1 MS.Trt_vs_MS.NoTrt_B
GPD1L	0.04698	1.0049	0.078	0.13	1 MS.Trt_vs_MS.NoTrt_B
SNRNP27	0.04699	0.53573	0.218	0.31	1 MS.Trt_vs_MS.NoTrt_B
CCDC137	0.04709	0.85101	0.166	0.23	1 MS.Trt_vs_MS.NoTrt_B
MRM3	0.04713	0.3054	0.2	0.28	1 MS.Trt_vs_MS.NoTrt_B
PNN	0.04725	0.25632	0.251	0.34	1 MS.Trt_vs_MS.NoTrt_B
NBPF1	0.04742	0.29926	0.174	0.25	1 MS.Trt_vs_MS.NoTrt_B
RNPEP	0.04742	-0.321	0.059	0.1	1 MS.Trt_vs_MS.NoTrt_B

NFE2L2	0.04743	0.28726	0.405	0.5	1 MS.Trt_vs_MS.NoTrt_B
ABLIM1	0.04756	0.46155	0.322	0.43	1 MS.Trt_vs_MS.NoTrt_B
AFF3	0.04759	0.63698	0.599	0.73	1 MS.Trt_vs_MS.NoTrt_B
PLAC8	0.04777	0.32746	0.632	0.77	1 MS.Trt_vs_MS.NoTrt_B
MYSM1	0.04778	0.55571	0.146	0.21	1 MS.Trt_vs_MS.NoTrt_B
GALNS	0.0478	-0.7768	0.42	0.5	1 MS.Trt_vs_MS.NoTrt_B
CTD-2370NE	0.04794	0.25123	0.092	0.15	1 MS.Trt_vs_MS.NoTrt_B
NDUFB1	0.048	0.37827	0.649	0.77	1 MS.Trt_vs_MS.NoTrt_B
RBCK1	0.04816	0.28904	0.161	0.23	1 MS.Trt_vs_MS.NoTrt_B
QRICH2	0.0482	-0.501	0.12	0.18	1 MS.Trt_vs_MS.NoTrt_B
SEC23B	0.04825	-0.3656	0.085	0.14	1 MS.Trt_vs_MS.NoTrt_B
ZKSCAN8	0.0483	1.6512	0.209	0.29	1 MS.Trt_vs_MS.NoTrt_B
IRF7	0.04845	-0.4623	0.072	0.12	1 MS.Trt_vs_MS.NoTrt_B
C14orf132	0.04848	0.25406	0.205	0.28	1 MS.Trt_vs_MS.NoTrt_B
BSCL2	0.04849	-0.4663	0.176	0.24	1 MS.Trt_vs_MS.NoTrt_B
ATM	0.0485	0.50393	0.898	0.98	1 MS.Trt_vs_MS.NoTrt_B
MRPS14	0.04851	0.86561	0.111	0.17	1 MS.Trt_vs_MS.NoTrt_B
COA4	0.04851	0.41308	0.216	0.3	1 MS.Trt_vs_MS.NoTrt_B
TGIF2	0.0486	-0.349	0.255	0.32	1 MS.Trt_vs_MS.NoTrt_B
ZNF286B	0.04871	1.13043	0.357	0.48	1 MS.Trt_vs_MS.NoTrt_B
SLC9A1	0.04872	-0.5271	0.166	0.23	1 MS.Trt_vs_MS.NoTrt_B
GOLGA1	0.04874	0.25986	0.081	0.13	1 MS.Trt_vs_MS.NoTrt_B
TLK2	0.04876	0.54354	0.272	0.35	1 MS.Trt_vs_MS.NoTrt_B
ZNF564	0.04879	0.69911	0.519	0.65	1 MS.Trt_vs_MS.NoTrt_B
ZMYND8	0.04897	0.50474	0.224	0.3	1 MS.Trt_vs_MS.NoTrt_B
ACER3	0.04906	0.3023	0.427	0.52	1 MS.Trt_vs_MS.NoTrt_B
GOLGA2	0.04908	-0.4138	0.503	0.65	1 MS.Trt_vs_MS.NoTrt_B
KIF21A	0.04909	0.82831	0.105	0.16	1 MS.Trt_vs_MS.NoTrt_B
SNRNP48	0.04911	0.65982	0.139	0.21	1 MS.Trt_vs_MS.NoTrt_B
DOT1L	0.0492	0.58588	0.627	0.77	1 MS.Trt_vs_MS.NoTrt_B
MCRS1	0.04922	0.32121	0.144	0.21	1 MS.Trt_vs_MS.NoTrt_B
MYL6	0.0493	0.287	0.682	0.85	1 MS.Trt_vs_MS.NoTrt_B
GRK5	0.04934	-0.3486	0.111	0.17	1 MS.Trt_vs_MS.NoTrt_B
FAM65B	0.04957	0.53641	0.545	0.67	1 MS.Trt_vs_MS.NoTrt_B
PMAIP1	0.04968	-0.3922	0.068	0.11	1 MS.Trt_vs_MS.NoTrt_B
KIF13A	0.0497	0.76248	0.224	0.3	1 MS.Trt_vs_MS.NoTrt_B
C16orf74	0.0497	-0.3033	0.181	0.24	1 MS.Trt_vs_MS.NoTrt_B
SPARCL1	0.04985	0.4121	0.131	0.08	1 MS.Trt_vs_MS.NoTrt_B
FCER1G	0.05	0.5169	0.505	0.62	1 MS.Trt_vs_MS.NoTrt_B
PHF20L1	0.05031	-0.5414	0.514	0.62	1 MS.Trt_vs_MS.NoTrt_B



ATP6V0D1	0.0505	-0.7528	0.573	0.62	1	MS.Trt_vs_MS.NoTrt_B
CSAD	0.0505	0.29514	0.68	0.81	1	MS.Trt_vs_MS.NoTrt_B
FDX1	0.05052	0.59155	0.211	0.29	1	MS.Trt_vs_MS.NoTrt_B
ASCC3	0.05053	0.80728	0.203	0.29	1	MS.Trt_vs_MS.NoTrt_B
RIC8A	0.05062	-0.2808	0.157	0.22	1	MS.Trt_vs_MS.NoTrt_B
CD93	0.05068	-0.6618	0.118	0.17	1	MS.Trt_vs_MS.NoTrt_B
BOD1L1	0.0507	0.69986	0.593	0.73	1	MS.Trt_vs_MS.NoTrt_B
PRR14	0.05092	0.43382	0.1	0.16	1	MS.Trt_vs_MS.NoTrt_B
MITD1	0.05098	0.39382	0.865	0.96	1	MS.Trt_vs_MS.NoTrt_B
SMIM15	0.05113	0.32392	0.063	0.11	1	MS.Trt_vs_MS.NoTrt_B
RASGEF1B	0.05123	0.28071	0.614	0.72	1	MS.Trt_vs_MS.NoTrt_B
ATP1A4	0.05147	0.34352	0.734	0.75	1	MS.Trt_vs_MS.NoTrt_B
PMS2	0.05162	0.50247	0.558	0.7	1	MS.Trt_vs_MS.NoTrt_B
ZDHHC7	0.05191	-0.3751	0.124	0.18	1	MS.Trt_vs_MS.NoTrt_B
ZNF543	0.05207	1.02567	0.342	0.45	1	MS.Trt_vs_MS.NoTrt_B
THAP12	0.05235	0.61135	0.464	0.59	1	MS.Trt_vs_MS.NoTrt_B
WDR19	0.05236	-0.5748	0.418	0.51	1	MS.Trt_vs_MS.NoTrt_B
MRPL10	0.05244	-0.4672	0.301	0.39	1	MS.Trt_vs_MS.NoTrt_B
RRM2B	0.05255	0.95509	0.087	0.14	1	MS.Trt_vs_MS.NoTrt_B
COX7B	0.05257	-0.4245	0.42	0.5	1	MS.Trt_vs_MS.NoTrt_B
RASA1	0.05269	0.77266	0.159	0.22	1	MS.Trt_vs_MS.NoTrt_B
SSSCA1	0.05276	-0.3384	0.059	0.1	1	MS.Trt_vs_MS.NoTrt_B
MED1	0.05302	-0.6752	0.268	0.34	1	MS.Trt_vs_MS.NoTrt_B
CD40	0.05302	-0.5669	0.094	0.15	1	MS.Trt_vs_MS.NoTrt_B
ZNF649	0.05312	-0.6373	0.135	0.2	1	MS.Trt_vs_MS.NoTrt_B
GABPB2	0.05318	0.28868	0.917	0.97	1	MS.Trt_vs_MS.NoTrt_B
ZNF565	0.05327	1.4914	0.063	0.11	1	MS.Trt_vs_MS.NoTrt_B
RFWD2	0.05328	1.00333	0.268	0.34	1	MS.Trt_vs_MS.NoTrt_B
BLMH	0.05333	-0.504	0.545	0.63	1	MS.Trt_vs_MS.NoTrt_B
IQCB1	0.05348	0.48261	0.063	0.11	1	MS.Trt_vs_MS.NoTrt_B
CASZ1	0.05366	-0.5956	0.155	0.22	1	MS.Trt_vs_MS.NoTrt_B
BTG1	0.05369	0.33475	0.516	0.63	1	MS.Trt_vs_MS.NoTrt_B
LPIN2	0.05373	0.56413	0.087	0.14	1	MS.Trt_vs_MS.NoTrt_B
EXOC1	0.05382	0.58984	0.135	0.2	1	MS.Trt_vs_MS.NoTrt_B
SZRD1	0.05392	0.2889	0.135	0.2	1	MS.Trt_vs_MS.NoTrt_B
TMEM108	0.05424	-0.7916	0.244	0.31	1	MS.Trt_vs_MS.NoTrt_B
CTF1	0.05424	-0.4931	0.17	0.24	1	MS.Trt_vs_MS.NoTrt_B
STAT2	0.05438	0.36346	0.843	0.92	1	MS.Trt_vs_MS.NoTrt_B
NOL4L	0.05439	0.60699	0.551	0.69	1	MS.Trt_vs_MS.NoTrt_B
XYLT2	0.05454	0.43456	0.523	0.62	1	MS.Trt_vs_MS.NoTrt_B

PRKACA	0.05456	-0.4101	0.146	0.21	1 MS.Trt_vs_MS.NoTrt_B
RPS26	0.05475	0.38041	0.68	0.75	1 MS.Trt_vs_MS.NoTrt_B
MTX3	0.05495	0.38598	0.545	0.64	1 MS.Trt_vs_MS.NoTrt_B
DEPDC5	0.05499	-0.3277	0.68	0.77	1 MS.Trt_vs_MS.NoTrt_B
DIMT1	0.05502	0.3004	0.113	0.17	1 MS.Trt_vs_MS.NoTrt_B
GPCPD1	0.05518	0.97371	0.203	0.29	1 MS.Trt_vs_MS.NoTrt_B
ZDHHC18	0.05531	-0.3782	0.059	0.1	1 MS.Trt_vs_MS.NoTrt_B
DBP	0.05536	-0.2529	0.54	0.65	1 MS.Trt_vs_MS.NoTrt_B
ANKRD13A	0.05547	0.4448	0.712	0.81	1 MS.Trt_vs_MS.NoTrt_B
PLK3	0.05553	-0.3542	0.577	0.68	1 MS.Trt_vs_MS.NoTrt_B
PLEKHB1	0.05566	-0.8725	0.065	0.11	1 MS.Trt_vs_MS.NoTrt_B
H2AFV	0.0557	0.44802	0.514	0.61	1 MS.Trt_vs_MS.NoTrt_B
ZMYM4	0.05571	0.59795	0.078	0.12	1 MS.Trt_vs_MS.NoTrt_B
NUP62	0.05573	-0.2714	0.399	0.48	1 MS.Trt_vs_MS.NoTrt_B
NFATC3	0.05577	0.5182	0.499	0.58	1 MS.Trt_vs_MS.NoTrt_B
TRPV1	0.05587	-1.3194	0.288	0.39	1 MS.Trt_vs_MS.NoTrt_B
ZNF267	0.05601	0.64754	0.081	0.13	1 MS.Trt_vs_MS.NoTrt_B
IRF2BP2	0.05606	1.46346	0.174	0.12	1 MS.Trt_vs_MS.NoTrt_B
SH2D1A	0.05619	0.7738	0.159	0.22	1 MS.Trt_vs_MS.NoTrt_B
TIGAR	0.05633	0.29843	0.808	0.91	1 MS.Trt_vs_MS.NoTrt_B
IWS1	0.05643	0.25077	0.094	0.15	1 MS.Trt_vs_MS.NoTrt_B
KMT2A	0.05649	0.42007	0.856	0.93	1 MS.Trt_vs_MS.NoTrt_B
ZNF782	0.05657	0.80815	0.085	0.14	1 MS.Trt_vs_MS.NoTrt_B
SPDYE1	0.05659	0.32307	0.407	0.52	1 MS.Trt_vs_MS.NoTrt_B
NCOA2	0.05661	0.37558	0.183	0.25	1 MS.Trt_vs_MS.NoTrt_B
PSIP1	0.05688	0.39752	0.691	0.81	1 MS.Trt_vs_MS.NoTrt_B
RPF1	0.05696	0.42485	0.214	0.29	1 MS.Trt_vs_MS.NoTrt_B
TOR4A	0.05706	0.54378	0.129	0.19	1 MS.Trt_vs_MS.NoTrt_B
NPIPA7	0.05712	0.67892	0.124	0.19	1 MS.Trt_vs_MS.NoTrt_B
MDFIC	0.05721	0.49339	0.261	0.35	1 MS.Trt_vs_MS.NoTrt_B
RBM26	0.05726	0.66102	0.392	0.5	1 MS.Trt_vs_MS.NoTrt_B
TECPR2	0.05726	0.65906	0.248	0.34	1 MS.Trt_vs_MS.NoTrt_B
APOOL	0.05731	0.73973	0.647	0.78	1 MS.Trt_vs_MS.NoTrt_B
ATP1B1	0.05745	-1.064	0.172	0.23	1 MS.Trt_vs_MS.NoTrt_B
NOL11	0.05755	-0.4601	0.418	0.49	1 MS.Trt_vs_MS.NoTrt_B
PCIF1	0.05792	0.32264	0.268	0.35	1 MS.Trt_vs_MS.NoTrt_B
PTRH1	0.05793	-0.4439	0.603	0.74	1 MS.Trt_vs_MS.NoTrt_B
TPRG1L	0.05803	1.8834	0.176	0.24	1 MS.Trt_vs_MS.NoTrt_B
TTC19	0.0583	0.41851	0.684	0.75	1 MS.Trt_vs_MS.NoTrt_B
YBX3	0.05849	0.48722	0.608	0.74	1 MS.Trt_vs_MS.NoTrt_B

MSH3	0.05888	0.45997	0.292	0.4	1 MS.Trt_vs_MS.NoTrt_B
FCHO2	0.05908	0.62746	0.22	0.3	1 MS.Trt_vs_MS.NoTrt_B
ARPC4	0.05922	0.34218	0.588	0.75	1 MS.Trt_vs_MS.NoTrt_B
BTBD1	0.05931	-0.3422	0.471	0.57	1 MS.Trt_vs_MS.NoTrt_B
PREPL	0.05932	0.376	0.551	0.67	1 MS.Trt_vs_MS.NoTrt_B
GOLGB1	0.05966	0.26908	0.438	0.51	1 MS.Trt_vs_MS.NoTrt_B
RAI1	0.05987	0.31901	0.146	0.21	1 MS.Trt_vs_MS.NoTrt_B
ZNF2	0.06004	1.25368	0.266	0.36	1 MS.Trt_vs_MS.NoTrt_B
DOPEY1	0.06011	1.22052	0.224	0.31	1 MS.Trt_vs_MS.NoTrt_B
VNN3	0.06013	0.60777	0.257	0.37	1 MS.Trt_vs_MS.NoTrt_B
ZDHHC20	0.06015	0.37343	0.359	0.44	1 MS.Trt_vs_MS.NoTrt_B
MRPL30	0.06024	0.51531	0.658	0.77	1 MS.Trt_vs_MS.NoTrt_B
FAM160A1	0.06049	0.76313	0.131	0.19	1 MS.Trt_vs_MS.NoTrt_B
RYK	0.06057	0.25391	0.063	0.11	1 MS.Trt_vs_MS.NoTrt_B
WDFY1	0.0607	0.43443	0.242	0.33	1 MS.Trt_vs_MS.NoTrt_B
NQO1	0.06087	-0.5483	0.46	0.52	1 MS.Trt_vs_MS.NoTrt_B
TCF7	0.06095	0.75628	0.758	0.73	1 MS.Trt_vs_MS.NoTrt_B
L3MBTL3	0.06104	-0.7803	0.1	0.15	1 MS.Trt_vs_MS.NoTrt_B
ERH	0.06114	0.33028	0.192	0.26	1 MS.Trt_vs_MS.NoTrt_B
RAD9B	0.06133	0.30993	0.288	0.37	1 MS.Trt_vs_MS.NoTrt_B
MS4A10	0.06142	0.25245	0.617	0.56	1 MS.Trt_vs_MS.NoTrt_B
ACO2	0.06196	-0.2752	0.092	0.14	1 MS.Trt_vs_MS.NoTrt_B
FBXO21	0.06198	-0.3602	0.113	0.17	1 MS.Trt_vs_MS.NoTrt_B
CDH26	0.06209	-0.3297	0.096	0.15	1 MS.Trt_vs_MS.NoTrt_B
COX19	0.0621	-0.2956	0.503	0.61	1 MS.Trt_vs_MS.NoTrt_B
PAPOLG	0.06212	0.63594	0.647	0.78	1 MS.Trt_vs_MS.NoTrt_B
PRPF39	0.06225	0.35424	0.235	0.3	1 MS.Trt_vs_MS.NoTrt_B
STK24	0.06228	0.75708	0.196	0.27	1 MS.Trt_vs_MS.NoTrt_B
SSRP1	0.06234	-0.3219	0.087	0.14	1 MS.Trt_vs_MS.NoTrt_B
MRPL41	0.06235	0.56734	0.131	0.2	1 MS.Trt_vs_MS.NoTrt_B
ZNF417	0.06235	0.25057	0.647	0.75	1 MS.Trt_vs_MS.NoTrt_B
GTSF1	0.06257	-0.5727	0.153	0.22	1 MS.Trt_vs_MS.NoTrt_B
F2RL2	0.06267	-0.4267	0.198	0.26	1 MS.Trt_vs_MS.NoTrt_B
DHX34	0.06287	-0.6341	0.061	0.1	1 MS.Trt_vs_MS.NoTrt_B
ZNF585A	0.06297	0.68651	0.244	0.31	1 MS.Trt_vs_MS.NoTrt_B
ZNF225	0.063	-0.2749	0.678	0.74	1 MS.Trt_vs_MS.NoTrt_B
SLC30A4	0.0632	0.42098	0.756	0.87	1 MS.Trt_vs_MS.NoTrt_B
RNASEH1	0.06353	-0.3218	0.645	0.74	1 MS.Trt_vs_MS.NoTrt_B
GTF3C4	0.06376	0.65452	0.266	0.35	1 MS.Trt_vs_MS.NoTrt_B
HDAC10	0.06393	0.32217	0.087	0.14	1 MS.Trt_vs_MS.NoTrt_B

RAB11FIP3	0.06395	0.25224	0.115	0.17	1	MS.Trt_vs_MS.NoTrt_B
SFR1	0.06407	0.43289	0.2	0.27	1	MS.Trt_vs_MS.NoTrt_B
TAF1B	0.06427	0.61074	0.381	0.49	1	MS.Trt_vs_MS.NoTrt_B
JAK2	0.0643	0.47221	0.159	0.22	1	MS.Trt_vs_MS.NoTrt_B
MRE11A	0.0643	0.64651	0.603	0.7	1	MS.Trt_vs_MS.NoTrt_B
FCRL3	0.06432	0.90012	0.316	0.25	1	MS.Trt_vs_MS.NoTrt_B
ABCC10	0.06469	-0.4386	0.813	0.95	1	MS.Trt_vs_MS.NoTrt_B
PPM1B	0.06509	-0.265	0.301	0.38	1	MS.Trt_vs_MS.NoTrt_B
AGO2	0.06512	0.43706	0.292	0.37	1	MS.Trt_vs_MS.NoTrt_B
IRAK1BP1	0.06539	0.34407	0.529	0.67	1	MS.Trt_vs_MS.NoTrt_B
TTC5	0.06559	-0.6593	0.412	0.48	1	MS.Trt_vs_MS.NoTrt_B
TGIF1	0.06584	0.28367	0.161	0.23	1	MS.Trt_vs_MS.NoTrt_B
HYDIN	0.06607	0.93415	0.179	0.24	1	MS.Trt_vs_MS.NoTrt_B
BNC2	0.06608	0.56094	0.094	0.15	1	MS.Trt_vs_MS.NoTrt_B
CHKB	0.06624	0.41646	0.187	0.25	1	MS.Trt_vs_MS.NoTrt_B
SAMHD1	0.06655	-0.2733	0.113	0.16	1	MS.Trt_vs_MS.NoTrt_B
TMEM45B	0.06663	-0.2941	0.481	0.57	1	MS.Trt_vs_MS.NoTrt_B
C5	0.06675	-0.9702	0.322	0.39	1	MS.Trt_vs_MS.NoTrt_B
ZNF320	0.06684	-0.3162	0.917	0.97	1	MS.Trt_vs_MS.NoTrt_B
BCAP29	0.06691	-0.384	0.253	0.34	1	MS.Trt_vs_MS.NoTrt_B
KEAP1	0.06713	-0.3803	0.353	0.43	1	MS.Trt_vs_MS.NoTrt_B
KIAA0556	0.06751	-0.332	0.244	0.31	1	MS.Trt_vs_MS.NoTrt_B
CHD8	0.0677	0.3049	0.242	0.31	1	MS.Trt_vs_MS.NoTrt_B
ELK1	0.0678	-0.9406	0.068	0.11	1	MS.Trt_vs_MS.NoTrt_B
MDN1	0.06801	0.33469	0.176	0.24	1	MS.Trt_vs_MS.NoTrt_B
HYLS1	0.06805	-0.251	0.281	0.37	1	MS.Trt_vs_MS.NoTrt_B
JARID2	0.06806	0.29669	0.157	0.22	1	MS.Trt_vs_MS.NoTrt_B
LAMB1	0.06809	0.74055	0.198	0.27	1	MS.Trt_vs_MS.NoTrt_B
PPIG	0.06861	0.43397	0.251	0.34	1	MS.Trt_vs_MS.NoTrt_B
RCC2	0.06882	0.30898	0.061	0.1	1	MS.Trt_vs_MS.NoTrt_B
RC3H2	0.06888	0.61165	0.41	0.5	1	MS.Trt_vs_MS.NoTrt_B
RNF145	0.06894	0.81813	0.102	0.16	1	MS.Trt_vs_MS.NoTrt_B
IQSEC1	0.06906	1.19525	0.146	0.21	1	MS.Trt_vs_MS.NoTrt_B
USP3	0.06936	0.39944	0.669	0.74	1	MS.Trt_vs_MS.NoTrt_B
CEP97	0.06941	0.52152	0.538	0.65	1	MS.Trt_vs_MS.NoTrt_B
CLIP4	0.06983	-0.3796	0.085	0.13	1	MS.Trt_vs_MS.NoTrt_B
BAZ1A	0.07007	0.54647	0.259	0.34	1	MS.Trt_vs_MS.NoTrt_B
ZNF23	0.0702	0.35016	0.259	0.35	1	MS.Trt_vs_MS.NoTrt_B
SLC27A5	0.0703	0.27081	0.776	0.89	1	MS.Trt_vs_MS.NoTrt_B
ZNF737	0.07046	0.29939	0.702	0.82	1	MS.Trt_vs_MS.NoTrt_B

ITCH	0.07047	0.73385	0.414	0.5	1 MS.Trt_vs_MS.NoTrt_B
DENND3	0.07049	0.31338	0.351	0.45	1 MS.Trt_vs_MS.NoTrt_B
MIOS	0.07073	0.52812	0.251	0.32	1 MS.Trt_vs_MS.NoTrt_B
DVL2	0.07074	-0.3176	0.338	0.41	1 MS.Trt_vs_MS.NoTrt_B
TGFB1	0.07091	0.63941	0.2	0.27	1 MS.Trt_vs_MS.NoTrt_B
ZNF146	0.07094	0.29831	0.15	0.21	1 MS.Trt_vs_MS.NoTrt_B
ORC3	0.07109	-0.2793	0.098	0.15	1 MS.Trt_vs_MS.NoTrt_B
AP2A1	0.0712	-1.004	0.63	0.76	1 MS.Trt_vs_MS.NoTrt_B
MALL	0.07125	0.28578	0.508	0.65	1 MS.Trt_vs_MS.NoTrt_B
HNRNPUL1	0.07126	0.25234	0.575	0.68	1 MS.Trt_vs_MS.NoTrt_B
TGFBRAP1	0.07135	-0.4145	0.355	0.44	1 MS.Trt_vs_MS.NoTrt_B
CD59	0.0714	-0.4659	0.577	0.7	1 MS.Trt_vs_MS.NoTrt_B
CNIH3	0.07148	-0.9564	0.122	0.17	1 MS.Trt_vs_MS.NoTrt_B
WDR59	0.07174	0.6017	0.854	0.94	1 MS.Trt_vs_MS.NoTrt_B
GK	0.07202	0.54204	0.133	0.19	1 MS.Trt_vs_MS.NoTrt_B
KLHL3	0.07234	0.46329	0.187	0.25	1 MS.Trt_vs_MS.NoTrt_B
NAV2	0.07244	0.7691	0.379	0.32	1 MS.Trt_vs_MS.NoTrt_B
SPHK2	0.07283	-0.2526	0.222	0.29	1 MS.Trt_vs_MS.NoTrt_B
AL354822.1	0.07286	0.47479	0.155	0.21	1 MS.Trt_vs_MS.NoTrt_B
PI4KA	0.07298	0.58146	0.203	0.27	1 MS.Trt_vs_MS.NoTrt_B
PLIN2	0.07305	-0.2631	0.553	0.63	1 MS.Trt_vs_MS.NoTrt_B
TIMM21	0.07331	0.38225	0.542	0.63	1 MS.Trt_vs_MS.NoTrt_B
LAX1	0.07338	-1.0141	0.381	0.42	1 MS.Trt_vs_MS.NoTrt_B
UNC45B	0.07345	-0.4804	0.072	0.11	1 MS.Trt_vs_MS.NoTrt_B
DALRD3	0.0737	-0.3448	0.089	0.14	1 MS.Trt_vs_MS.NoTrt_B
GLB1L3	0.07384	0.26265	0.586	0.69	1 MS.Trt_vs_MS.NoTrt_B
SCARB2	0.07385	0.40264	0.209	0.29	1 MS.Trt_vs_MS.NoTrt_B
FIBP	0.07394	-0.4105	0.449	0.51	1 MS.Trt_vs_MS.NoTrt_B
ZCWPW2	0.07408	0.40255	0.375	0.48	1 MS.Trt_vs_MS.NoTrt_B
MAEA	0.07433	0.28114	0.51	0.61	1 MS.Trt_vs_MS.NoTrt_B
GLT8D1	0.07437	-0.332	0.185	0.24	1 MS.Trt_vs_MS.NoTrt_B
ZNF398	0.07466	-0.6623	0.083	0.13	1 MS.Trt_vs_MS.NoTrt_B
AKIRIN1	0.07473	0.3103	0.41	0.49	1 MS.Trt_vs_MS.NoTrt_B
ZNF525	0.07483	1.39833	0.447	0.54	1 MS.Trt_vs_MS.NoTrt_B
OGFOD3	0.07487	-1.1044	0.447	0.52	1 MS.Trt_vs_MS.NoTrt_B
RFC5	0.07519	-0.5822	0.089	0.14	1 MS.Trt_vs_MS.NoTrt_B
ZNF766	0.07526	0.36087	0.946	1	1 MS.Trt_vs_MS.NoTrt_B
YY1	0.0753	0.56615	0.251	0.32	1 MS.Trt_vs_MS.NoTrt_B
FAF1	0.07547	0.53617	0.383	0.47	1 MS.Trt_vs_MS.NoTrt_B
MYO1D	0.0755	0.89519	0.109	0.16	1 MS.Trt_vs_MS.NoTrt_B

UBXN2B	0.07565	0.35625	0.285	0.36	1 MS.Trt_vs_MS.NoTrt_B
DPF2	0.07593	0.34676	0.76	0.87	1 MS.Trt_vs_MS.NoTrt_B
CCDC50	0.07616	1.09831	0.331	0.42	1 MS.Trt_vs_MS.NoTrt_B
ANKRD52	0.07619	-0.3321	0.113	0.16	1 MS.Trt_vs_MS.NoTrt_B
RALBP1	0.07625	0.27847	0.29	0.36	1 MS.Trt_vs_MS.NoTrt_B
NPIP11	0.07638	0.89912	0.359	0.49	1 MS.Trt_vs_MS.NoTrt_B
THOP1	0.07641	-0.2801	0.312	0.41	1 MS.Trt_vs_MS.NoTrt_B
FBXO34	0.07662	-0.6324	0.063	0.1	1 MS.Trt_vs_MS.NoTrt_B
ABCD4	0.07664	0.53797	0.669	0.79	1 MS.Trt_vs_MS.NoTrt_B
SUZ12	0.07667	0.37719	0.527	0.61	1 MS.Trt_vs_MS.NoTrt_B
TLN1	0.0767	0.49119	0.481	0.57	1 MS.Trt_vs_MS.NoTrt_B
UBE2H	0.07703	0.59218	0.105	0.16	1 MS.Trt_vs_MS.NoTrt_B
DCBLD1	0.07703	1.19389	0.405	0.52	1 MS.Trt_vs_MS.NoTrt_B
WDR46	0.07729	0.48318	0.083	0.13	1 MS.Trt_vs_MS.NoTrt_B
CCDC18	0.07752	0.47048	0.133	0.19	1 MS.Trt_vs_MS.NoTrt_B
ZBTB16	0.07763	1.17708	0.298	0.4	1 MS.Trt_vs_MS.NoTrt_B
RP11-347C1	0.07764	0.44555	0.527	0.7	1 MS.Trt_vs_MS.NoTrt_B
MED19	0.07765	0.42951	0.07	0.11	1 MS.Trt_vs_MS.NoTrt_B
UFL1	0.07767	0.60029	0.135	0.19	1 MS.Trt_vs_MS.NoTrt_B
NUP43	0.07812	0.58664	0.717	0.8	1 MS.Trt_vs_MS.NoTrt_B
MTMR10	0.07831	0.66674	0.12	0.18	1 MS.Trt_vs_MS.NoTrt_B
TRAT1	0.07842	1.30075	0.224	0.17	1 MS.Trt_vs_MS.NoTrt_B
UHMK1	0.07847	0.2773	0.187	0.25	1 MS.Trt_vs_MS.NoTrt_B
TTC33	0.07857	0.69633	0.163	0.22	1 MS.Trt_vs_MS.NoTrt_B
SHQ1	0.07862	1.01003	0.575	0.67	1 MS.Trt_vs_MS.NoTrt_B
SUN1	0.07867	0.60071	0.516	0.61	1 MS.Trt_vs_MS.NoTrt_B
RRAGD	0.07867	0.37586	0.113	0.17	1 MS.Trt_vs_MS.NoTrt_B
CCHCR1	0.07878	-0.4248	0.29	0.36	1 MS.Trt_vs_MS.NoTrt_B
CASC10	0.07891	0.4845	0.301	0.37	1 MS.Trt_vs_MS.NoTrt_B
CLTC	0.07916	-0.3325	0.294	0.35	1 MS.Trt_vs_MS.NoTrt_B
NR1D1	0.07938	-0.3322	0.072	0.11	1 MS.Trt_vs_MS.NoTrt_B
ECSIT	0.07979	0.4468	0.346	0.42	1 MS.Trt_vs_MS.NoTrt_B
IL1R1	0.07985	-0.4426	0.218	0.29	1 MS.Trt_vs_MS.NoTrt_B
GLUL	0.08005	0.84668	0.124	0.18	1 MS.Trt_vs_MS.NoTrt_B
TIAF1	0.08006	-0.6404	0.423	0.49	1 MS.Trt_vs_MS.NoTrt_B
TTC21B	0.0802	-0.5948	0.264	0.35	1 MS.Trt_vs_MS.NoTrt_B
CDK2AP2	0.08022	0.42925	0.155	0.22	1 MS.Trt_vs_MS.NoTrt_B
ENY2	0.08028	1.06341	0.484	0.59	1 MS.Trt_vs_MS.NoTrt_B
MAPRE2	0.08049	0.26966	0.205	0.27	1 MS.Trt_vs_MS.NoTrt_B
NIPA1	0.08054	-0.8491	0.122	0.17	1 MS.Trt_vs_MS.NoTrt_B

MT-ND5	0.08084	0.47071	0.854	0.89	1 MS.Trt_vs_MS.NoTrt_B
RPA3	0.08088	0.33745	0.157	0.21	1 MS.Trt_vs_MS.NoTrt_B
FBXL22	0.08097	0.47667	0.063	0.1	1 MS.Trt_vs_MS.NoTrt_B
C1orf186	0.08115	0.30756	0.431	0.57	1 MS.Trt_vs_MS.NoTrt_B
CAD	0.08122	0.2783	0.58	0.7	1 MS.Trt_vs_MS.NoTrt_B
MOCS2	0.08144	0.29608	0.063	0.1	1 MS.Trt_vs_MS.NoTrt_B
KPNA5	0.0815	0.28597	0.9	0.98	1 MS.Trt_vs_MS.NoTrt_B
TAS2R4	0.08155	-0.3729	0.257	0.34	1 MS.Trt_vs_MS.NoTrt_B
MAP3K7	0.08177	0.26344	0.115	0.17	1 MS.Trt_vs_MS.NoTrt_B
CCNK	0.0819	0.33787	0.218	0.29	1 MS.Trt_vs_MS.NoTrt_B
ZMIZ2	0.08213	0.47798	0.111	0.16	1 MS.Trt_vs_MS.NoTrt_B
C16orf54	0.08232	1.04193	0.73	0.84	1 MS.Trt_vs_MS.NoTrt_B
FAM184B	0.08249	0.45293	0.094	0.14	1 MS.Trt_vs_MS.NoTrt_B
RBM22	0.08275	0.42638	0.105	0.16	1 MS.Trt_vs_MS.NoTrt_B
SRPRA	0.08283	0.2827	0.214	0.29	1 MS.Trt_vs_MS.NoTrt_B
TPGS1	0.08289	0.82173	0.288	0.22	1 MS.Trt_vs_MS.NoTrt_B
TMEM205	0.08289	-0.3072	0.063	0.1	1 MS.Trt_vs_MS.NoTrt_B
ALDH3A2	0.08291	-0.7368	0.224	0.29	1 MS.Trt_vs_MS.NoTrt_B
RCBTB2	0.08293	0.29259	0.1	0.15	1 MS.Trt_vs_MS.NoTrt_B
IKZF5	0.08297	0.92293	0.181	0.25	1 MS.Trt_vs_MS.NoTrt_B
GHRL	0.08301	0.72694	0.061	0.1	1 MS.Trt_vs_MS.NoTrt_B
THAP5	0.08309	0.96622	0.804	0.89	1 MS.Trt_vs_MS.NoTrt_B
R3HCC1L	0.08316	-0.2679	0.211	0.28	1 MS.Trt_vs_MS.NoTrt_B
AHRR	0.08327	0.98368	0.081	0.13	1 MS.Trt_vs_MS.NoTrt_B
MTHFD1L	0.0834	1.45321	0.065	0.11	1 MS.Trt_vs_MS.NoTrt_B
KBTBD2	0.08369	0.3744	0.51	0.6	1 MS.Trt_vs_MS.NoTrt_B
ZSCAN32	0.08384	0.45649	0.172	0.24	1 MS.Trt_vs_MS.NoTrt_B
EIF1B	0.08397	0.4565	0.137	0.2	1 MS.Trt_vs_MS.NoTrt_B
NAA35	0.0841	-0.3661	0.27	0.34	1 MS.Trt_vs_MS.NoTrt_B
SMG6	0.08418	-0.4043	0.148	0.2	1 MS.Trt_vs_MS.NoTrt_B
FASTKD2	0.08422	0.43962	0.464	0.57	1 MS.Trt_vs_MS.NoTrt_B
USP6	0.08437	0.28323	0.1	0.15	1 MS.Trt_vs_MS.NoTrt_B
FKBP9	0.0844	1.06262	0.344	0.44	1 MS.Trt_vs_MS.NoTrt_B
KIFAP3	0.08452	-0.9041	0.115	0.16	1 MS.Trt_vs_MS.NoTrt_B
CR1	0.08461	0.48167	0.444	0.55	1 MS.Trt_vs_MS.NoTrt_B
ABCG1	0.0848	-0.4204	0.375	0.47	1 MS.Trt_vs_MS.NoTrt_B
ZNF487	0.08489	-0.8247	0.351	0.43	1 MS.Trt_vs_MS.NoTrt_B
BACE2	0.08523	0.27514	0.172	0.23	1 MS.Trt_vs_MS.NoTrt_B
FNIP1	0.08524	0.83056	0.46	0.55	1 MS.Trt_vs_MS.NoTrt_B
ZNF221	0.08527	-0.2642	0.187	0.26	1 MS.Trt_vs_MS.NoTrt_B

C6orf106	0.08527	0.3127	0.089	0.14	1 MS.Trt_vs_MS.NoTrt_B
ZNF526	0.08542	0.47412	0.373	0.48	1 MS.Trt_vs_MS.NoTrt_B
EPHX1	0.08549	0.4067	0.074	0.12	1 MS.Trt_vs_MS.NoTrt_B
SELK	0.0855	0.47752	0.325	0.38	1 MS.Trt_vs_MS.NoTrt_B
STXBP4	0.08572	-0.707	0.377	0.47	1 MS.Trt_vs_MS.NoTrt_B
DZIP3	0.08614	1.44253	0.174	0.24	1 MS.Trt_vs_MS.NoTrt_B
FAM96A	0.08632	0.48634	0.298	0.38	1 MS.Trt_vs_MS.NoTrt_B
INTU	0.08646	0.37414	0.922	0.97	1 MS.Trt_vs_MS.NoTrt_B
PRKCI	0.08661	-0.3784	0.224	0.3	1 MS.Trt_vs_MS.NoTrt_B
EIF4G2	0.0867	0.27376	0.479	0.56	1 MS.Trt_vs_MS.NoTrt_B
ZNF83	0.08679	0.56892	0.747	0.83	1 MS.Trt_vs_MS.NoTrt_B
SLC15A4	0.08717	-0.4739	0.654	0.73	1 MS.Trt_vs_MS.NoTrt_B
CBFA2T2	0.08736	0.4393	0.843	0.95	1 MS.Trt_vs_MS.NoTrt_B
SAXO2	0.08755	0.55764	0.148	0.21	1 MS.Trt_vs_MS.NoTrt_B
CUL9	0.08777	0.55748	0.12	0.17	1 MS.Trt_vs_MS.NoTrt_B
DHX35	0.08801	0.26358	0.325	0.4	1 MS.Trt_vs_MS.NoTrt_B
PDE7A	0.08817	0.59987	0.244	0.32	1 MS.Trt_vs_MS.NoTrt_B
POLN	0.08824	0.32681	0.514	0.6	1 MS.Trt_vs_MS.NoTrt_B
SRFBP1	0.08836	0.57243	0.32	0.4	1 MS.Trt_vs_MS.NoTrt_B
UNC50	0.08841	0.41465	0.081	0.12	1 MS.Trt_vs_MS.NoTrt_B
TMEM231	0.08849	-0.4103	0.58	0.71	1 MS.Trt_vs_MS.NoTrt_B
ZCCHC11	0.08853	0.40332	0.852	0.9	1 MS.Trt_vs_MS.NoTrt_B
TAF1A	0.08866	-0.7296	0.309	0.39	1 MS.Trt_vs_MS.NoTrt_B
HMGXB3	0.08868	-0.4583	0.109	0.16	1 MS.Trt_vs_MS.NoTrt_B
B3GNT2	0.08872	0.28651	0.085	0.13	1 MS.Trt_vs_MS.NoTrt_B
ZNF432	0.08877	-0.5328	0.479	0.6	1 MS.Trt_vs_MS.NoTrt_B
SYPL1	0.08889	0.52384	0.316	0.39	1 MS.Trt_vs_MS.NoTrt_B
PSMC2	0.08899	0.3604	0.168	0.23	1 MS.Trt_vs_MS.NoTrt_B
ZNF552	0.08904	0.25706	0.325	0.42	1 MS.Trt_vs_MS.NoTrt_B
BDH2	0.08923	-0.6362	0.139	0.19	1 MS.Trt_vs_MS.NoTrt_B
LRRK1	0.08924	0.40722	0.688	0.81	1 MS.Trt_vs_MS.NoTrt_B
PPP2R2D	0.08936	1.45332	0.529	0.64	1 MS.Trt_vs_MS.NoTrt_B
XYLB	0.08937	0.35108	0.366	0.45	1 MS.Trt_vs_MS.NoTrt_B
ADAP2	0.08961	0.52128	0.107	0.16	1 MS.Trt_vs_MS.NoTrt_B
PSENE1	0.08993	-0.5281	0.118	0.16	1 MS.Trt_vs_MS.NoTrt_B
YTHDC2	0.09022	0.68683	0.303	0.39	1 MS.Trt_vs_MS.NoTrt_B
NKIRAS1	0.09061	-0.8092	0.198	0.25	1 MS.Trt_vs_MS.NoTrt_B
PPP1CB	0.09072	1.18465	0.719	0.78	1 MS.Trt_vs_MS.NoTrt_B
LRRRC3	0.09078	0.31411	0.092	0.14	1 MS.Trt_vs_MS.NoTrt_B
C7orf50	0.09085	0.26611	0.294	0.36	1 MS.Trt_vs_MS.NoTrt_B



FAM234B	0.09095	-0.888	0.325	0.38	1 MS.Trt_vs_MS.NoTrt_B
PRKAG1	0.09108	-0.5251	0.468	0.55	1 MS.Trt_vs_MS.NoTrt_B
ABCE1	0.09128	0.44838	0.261	0.33	1 MS.Trt_vs_MS.NoTrt_B
OSMR	0.09135	0.97417	0.497	0.46	1 MS.Trt_vs_MS.NoTrt_B
S1PR1	0.09138	0.44903	0.479	0.62	1 MS.Trt_vs_MS.NoTrt_B
APPBP2	0.0918	-0.4063	0.763	0.83	1 MS.Trt_vs_MS.NoTrt_B
HELQ	0.0919	-0.3296	0.1	0.15	1 MS.Trt_vs_MS.NoTrt_B
TMOD2	0.092	0.30035	0.359	0.47	1 MS.Trt_vs_MS.NoTrt_B
TRAF6	0.09215	0.29474	0.556	0.65	1 MS.Trt_vs_MS.NoTrt_B
POLH	0.09218	0.71087	0.438	0.54	1 MS.Trt_vs_MS.NoTrt_B
CH507-9B2.!	0.09242	0.34685	0.072	0.11	1 MS.Trt_vs_MS.NoTrt_B
ADCY9	0.0925	1.02819	0.207	0.28	1 MS.Trt_vs_MS.NoTrt_B
AURKB	0.09261	-0.3838	0.301	0.38	1 MS.Trt_vs_MS.NoTrt_B
ATP6V0A1	0.09267	-0.8095	0.734	0.81	1 MS.Trt_vs_MS.NoTrt_B
SLC35G2	0.09271	1.13489	0.105	0.15	1 MS.Trt_vs_MS.NoTrt_B
EFHB	0.09295	0.2976	0.246	0.31	1 MS.Trt_vs_MS.NoTrt_B
PITRM1	0.09333	-0.3099	0.131	0.18	1 MS.Trt_vs_MS.NoTrt_B
FGF22	0.09339	0.46687	0.351	0.29	1 MS.Trt_vs_MS.NoTrt_B
JUND	0.09348	0.29596	0.085	0.13	1 MS.Trt_vs_MS.NoTrt_B
APOBEC3C	0.0935	0.30199	0.612	0.74	1 MS.Trt_vs_MS.NoTrt_B
MAP1LC3C	0.09364	0.63368	0.394	0.36	1 MS.Trt_vs_MS.NoTrt_B
HCFC1	0.09376	0.35541	0.22	0.29	1 MS.Trt_vs_MS.NoTrt_B
SPINK9	0.09383	0.40871	0.558	0.75	1 MS.Trt_vs_MS.NoTrt_B
TDRD12	0.09384	1.10035	0.479	0.42	1 MS.Trt_vs_MS.NoTrt_B
WNT2B	0.09399	0.69149	0.329	0.41	1 MS.Trt_vs_MS.NoTrt_B
HUWE1	0.09399	0.31321	0.344	0.42	1 MS.Trt_vs_MS.NoTrt_B
CD200	0.09404	0.69404	0.54	0.51	1 MS.Trt_vs_MS.NoTrt_B
ZNF287	0.09419	-0.7271	0.305	0.37	1 MS.Trt_vs_MS.NoTrt_B
PDXK	0.09424	0.7114	0.401	0.51	1 MS.Trt_vs_MS.NoTrt_B
LSM11	0.09452	0.26243	0.479	0.55	1 MS.Trt_vs_MS.NoTrt_B
LRRC40	0.09464	0.80113	0.065	0.1	1 MS.Trt_vs_MS.NoTrt_B
NPM1	0.09499	0.35436	0.584	0.76	1 MS.Trt_vs_MS.NoTrt_B
RBM38	0.09549	0.35851	0.098	0.15	1 MS.Trt_vs_MS.NoTrt_B
EPS8	0.09557	-0.7587	0.298	0.38	1 MS.Trt_vs_MS.NoTrt_B
RNF220	0.09611	0.46622	0.525	0.65	1 MS.Trt_vs_MS.NoTrt_B
PIP4K2B	0.09614	0.85525	0.102	0.15	1 MS.Trt_vs_MS.NoTrt_B
AC138969.4	0.09617	0.67294	0.373	0.47	1 MS.Trt_vs_MS.NoTrt_B
PECAM1	0.09625	1.01719	0.641	0.74	1 MS.Trt_vs_MS.NoTrt_B
VIPR2	0.0964	0.30288	0.253	0.2	1 MS.Trt_vs_MS.NoTrt_B
NREP	0.09647	0.5247	0.109	0.16	1 MS.Trt_vs_MS.NoTrt_B

PFKP	0.0967	-0.4049	0.22	0.27	1 MS.Trt_vs_MS.NoTrt_B
YES1	0.09681	0.55058	0.294	0.37	1 MS.Trt_vs_MS.NoTrt_B
KNG1	0.09695	0.90633	0.144	0.21	1 MS.Trt_vs_MS.NoTrt_B
ZNF354A	0.097	0.50234	0.135	0.19	1 MS.Trt_vs_MS.NoTrt_B
XPO1	0.09739	0.54093	0.869	0.93	1 MS.Trt_vs_MS.NoTrt_B
MUM1	0.09774	-0.5891	0.484	0.58	1 MS.Trt_vs_MS.NoTrt_B
NAPG	0.09786	0.37294	0.475	0.58	1 MS.Trt_vs_MS.NoTrt_B
ACSL6	0.09793	0.60491	0.549	0.49	1 MS.Trt_vs_MS.NoTrt_B
WDPCP	0.09822	0.48919	0.871	0.98	1 MS.Trt_vs_MS.NoTrt_B
PGAP1	0.09828	0.2626	0.279	0.35	1 MS.Trt_vs_MS.NoTrt_B
LYST	0.09849	1.18639	0.222	0.3	1 MS.Trt_vs_MS.NoTrt_B
ABCA5	0.09853	0.41072	0.547	0.68	1 MS.Trt_vs_MS.NoTrt_B
VAV3	0.09855	1.07488	0.492	0.43	1 MS.Trt_vs_MS.NoTrt_B
CTD-2192J10	0.09892	1.86799	0.168	0.12	1 MS.Trt_vs_MS.NoTrt_B
INPP5F	0.09894	0.59353	0.248	0.32	1 MS.Trt_vs_MS.NoTrt_B
PLGRKT	0.09897	-0.9491	0.074	0.11	1 MS.Trt_vs_MS.NoTrt_B
PADI4	0.09914	0.49364	0.388	0.49	1 MS.Trt_vs_MS.NoTrt_B
NFASC	0.09919	0.76865	0.479	0.59	1 MS.Trt_vs_MS.NoTrt_B
PAK1	0.09974	-0.8122	0.12	0.17	1 MS.Trt_vs_MS.NoTrt_B
TMEM97	0.09976	-0.4377	0.185	0.25	1 MS.Trt_vs_MS.NoTrt_B
CD96	0.09982	0.63478	0.514	0.6	1 MS.Trt_vs_MS.NoTrt_B
TTF1	0.10011	-0.3066	0.359	0.42	1 MS.Trt_vs_MS.NoTrt_B
TMEM30A	0.1002	0.31473	0.153	0.21	1 MS.Trt_vs_MS.NoTrt_B
TTC8	0.10028	-0.2587	0.56	0.69	1 MS.Trt_vs_MS.NoTrt_B
CCDC62	0.10028	0.32851	0.349	0.45	1 MS.Trt_vs_MS.NoTrt_B
POLR2H	0.10029	0.41053	0.401	0.48	1 MS.Trt_vs_MS.NoTrt_B
PLD2	0.10045	-0.6756	0.065	0.1	1 MS.Trt_vs_MS.NoTrt_B
GIN51	0.10049	0.3095	0.436	0.57	1 MS.Trt_vs_MS.NoTrt_B
ETFBKMT	0.10054	0.27035	0.54	0.64	1 MS.Trt_vs_MS.NoTrt_B
LGALS3BP	0.10058	-0.3	0.418	0.54	1 MS.Trt_vs_MS.NoTrt_B
ZNF69	0.10077	-0.618	0.368	0.43	1 MS.Trt_vs_MS.NoTrt_B
NFS1	0.10092	-0.9751	0.776	0.87	1 MS.Trt_vs_MS.NoTrt_B
VIL1	0.10103	0.36873	0.122	0.17	1 MS.Trt_vs_MS.NoTrt_B
BANK1	0.10118	1.02634	0.122	0.18	1 MS.Trt_vs_MS.NoTrt_B
CUL4B	0.10146	0.65866	0.078	0.12	1 MS.Trt_vs_MS.NoTrt_B
LAIR1	0.10186	-1.2099	0.773	0.83	1 MS.Trt_vs_MS.NoTrt_B
CENPN	0.10198	0.5316	0.098	0.15	1 MS.Trt_vs_MS.NoTrt_B
TRIP11	0.10219	0.50532	0.431	0.5	1 MS.Trt_vs_MS.NoTrt_B
IGFL2	0.10229	0.37887	0.214	0.28	1 MS.Trt_vs_MS.NoTrt_B
SYNGAP1	0.10251	0.5353	0.102	0.15	1 MS.Trt_vs_MS.NoTrt_B

PATL2	0.10292	0.54555	0.279	0.37	1 MS.Trt_vs_MS.NoTrt_B
F3	0.10317	0.38322	0.392	0.52	1 MS.Trt_vs_MS.NoTrt_B
CCP110	0.10326	-0.7835	0.425	0.48	1 MS.Trt_vs_MS.NoTrt_B
FBXO42	0.1033	0.4197	0.394	0.49	1 MS.Trt_vs_MS.NoTrt_B
ZNF573	0.10334	-0.8322	0.359	0.42	1 MS.Trt_vs_MS.NoTrt_B
TMEM170B	0.10372	0.29849	0.187	0.24	1 MS.Trt_vs_MS.NoTrt_B
OTUD4	0.10379	0.73917	0.556	0.63	1 MS.Trt_vs_MS.NoTrt_B
DNAJC10	0.10411	0.33575	0.88	0.96	1 MS.Trt_vs_MS.NoTrt_B
SNRK	0.10415	0.33877	0.477	0.55	1 MS.Trt_vs_MS.NoTrt_B
CDK19	0.10434	0.84968	0.209	0.28	1 MS.Trt_vs_MS.NoTrt_B
SLC35E4	0.1044	0.27733	0.233	0.3	1 MS.Trt_vs_MS.NoTrt_B
FAM222B	0.10445	0.36429	0.122	0.17	1 MS.Trt_vs_MS.NoTrt_B
NRBF2	0.10451	0.36991	0.07	0.11	1 MS.Trt_vs_MS.NoTrt_B
ZNF664	0.10454	0.65448	0.179	0.24	1 MS.Trt_vs_MS.NoTrt_B
CASC3	0.10476	0.3984	0.423	0.52	1 MS.Trt_vs_MS.NoTrt_B
LAMTOR5	0.10485	0.37895	0.392	0.47	1 MS.Trt_vs_MS.NoTrt_B
AGFG2	0.10491	-0.2644	0.268	0.34	1 MS.Trt_vs_MS.NoTrt_B
ST5	0.10505	-0.2878	0.251	0.34	1 MS.Trt_vs_MS.NoTrt_B
ZBTB43	0.10539	0.5946	0.678	0.62	1 MS.Trt_vs_MS.NoTrt_B
ABCC5	0.10544	-0.5157	0.105	0.15	1 MS.Trt_vs_MS.NoTrt_B
MYH10	0.10545	0.37297	0.074	0.11	1 MS.Trt_vs_MS.NoTrt_B
RAB4B	0.10558	0.36017	0.279	0.35	1 MS.Trt_vs_MS.NoTrt_B
UBB	0.10574	0.29758	0.54	0.69	1 MS.Trt_vs_MS.NoTrt_B
GRWD1	0.10574	-0.497	0.383	0.44	1 MS.Trt_vs_MS.NoTrt_B
USP16	0.10584	0.27487	0.407	0.46	1 MS.Trt_vs_MS.NoTrt_B
CDKL1	0.10586	0.86434	0.586	0.68	1 MS.Trt_vs_MS.NoTrt_B
MRPS18B	0.10589	0.57357	0.584	0.69	1 MS.Trt_vs_MS.NoTrt_B
OCLN	0.10594	0.34046	0.63	0.77	1 MS.Trt_vs_MS.NoTrt_B
KIF11	0.106	0.29879	0.316	0.4	1 MS.Trt_vs_MS.NoTrt_B
BCKDHA	0.10602	-0.3814	0.148	0.2	1 MS.Trt_vs_MS.NoTrt_B
SPATA7	0.10657	-0.3593	0.231	0.3	1 MS.Trt_vs_MS.NoTrt_B
DDX17	0.1066	0.32539	0.749	0.95	1 MS.Trt_vs_MS.NoTrt_B
VWA7	0.10665	0.49351	0.242	0.31	1 MS.Trt_vs_MS.NoTrt_B
TRA2B	0.10693	0.40558	0.431	0.51	1 MS.Trt_vs_MS.NoTrt_B
FAM204A	0.10764	0.39528	0.407	0.47	1 MS.Trt_vs_MS.NoTrt_B
CLYBL	0.10774	0.91943	0.068	0.11	1 MS.Trt_vs_MS.NoTrt_B
FAM124B	0.10795	-0.2881	0.065	0.1	1 MS.Trt_vs_MS.NoTrt_B
LMAN1	0.10797	0.67238	0.124	0.18	1 MS.Trt_vs_MS.NoTrt_B
ENTPD6	0.10811	-0.2985	0.078	0.12	1 MS.Trt_vs_MS.NoTrt_B
WAPL	0.10815	0.26012	0.357	0.45	1 MS.Trt_vs_MS.NoTrt_B

FN3KRP	0.10823	0.32165	0.065	0.1	1 MS.Trt_vs_MS.NoTrt_B
SAMD4B	0.10841	0.56971	0.717	0.85	1 MS.Trt_vs_MS.NoTrt_B
AP4B1	0.10844	0.63993	0.505	0.61	1 MS.Trt_vs_MS.NoTrt_B
POLR2K	0.10847	0.57284	0.092	0.14	1 MS.Trt_vs_MS.NoTrt_B
CCDC148	0.10899	-0.4055	0.159	0.22	1 MS.Trt_vs_MS.NoTrt_B
TLR5	0.10908	1.10163	0.488	0.61	1 MS.Trt_vs_MS.NoTrt_B
RB1CC1	0.10917	0.42523	0.27	0.34	1 MS.Trt_vs_MS.NoTrt_B
NEK9	0.10923	0.28166	0.758	0.87	1 MS.Trt_vs_MS.NoTrt_B
TRAPPC12	0.10963	0.29035	0.46	0.57	1 MS.Trt_vs_MS.NoTrt_B
UBA2	0.10981	0.77789	0.462	0.54	1 MS.Trt_vs_MS.NoTrt_B
LYZ	0.10981	0.60547	0.301	0.38	1 MS.Trt_vs_MS.NoTrt_B
MRLN	0.10998	0.256	0.481	0.63	1 MS.Trt_vs_MS.NoTrt_B
ZNF846	0.11001	0.58354	0.364	0.44	1 MS.Trt_vs_MS.NoTrt_B
NADK	0.11002	0.28141	0.198	0.27	1 MS.Trt_vs_MS.NoTrt_B
LAMP3	0.11052	-0.8738	0.342	0.41	1 MS.Trt_vs_MS.NoTrt_B
PROX2	0.11086	-0.5375	0.07	0.11	1 MS.Trt_vs_MS.NoTrt_B
TTLL4	0.11113	0.3268	0.251	0.32	1 MS.Trt_vs_MS.NoTrt_B
TSN	0.11161	0.70515	0.272	0.35	1 MS.Trt_vs_MS.NoTrt_B
MAPK8	0.11206	0.28177	0.327	0.39	1 MS.Trt_vs_MS.NoTrt_B
PGM3	0.1121	0.89198	0.181	0.25	1 MS.Trt_vs_MS.NoTrt_B
AGBL5	0.11221	-0.305	0.113	0.16	1 MS.Trt_vs_MS.NoTrt_B
FAM208A	0.11249	0.7385	0.651	0.72	1 MS.Trt_vs_MS.NoTrt_B
HEATR1	0.11277	0.41535	0.098	0.14	1 MS.Trt_vs_MS.NoTrt_B
WDR97	0.11284	0.26798	0.351	0.44	1 MS.Trt_vs_MS.NoTrt_B
MRPS27	0.11288	-0.6217	0.477	0.51	1 MS.Trt_vs_MS.NoTrt_B
TRAK2	0.11307	0.63824	0.176	0.24	1 MS.Trt_vs_MS.NoTrt_B
ENOX2	0.11314	0.7222	0.07	0.11	1 MS.Trt_vs_MS.NoTrt_B
LINC00116	0.11323	0.80044	0.124	0.17	1 MS.Trt_vs_MS.NoTrt_B
NEDD4L	0.11325	-0.3084	0.39	0.43	1 MS.Trt_vs_MS.NoTrt_B
EPN2	0.11429	0.38226	0.643	0.81	1 MS.Trt_vs_MS.NoTrt_B
LPAR2	0.11483	-0.6436	0.072	0.11	1 MS.Trt_vs_MS.NoTrt_B
TFAP4	0.11484	0.31275	0.551	0.67	1 MS.Trt_vs_MS.NoTrt_B
RHOC	0.11487	-0.8521	0.083	0.12	1 MS.Trt_vs_MS.NoTrt_B
ZNF107	0.11517	0.5142	0.355	0.42	1 MS.Trt_vs_MS.NoTrt_B
TATDN1	0.11525	-0.3361	0.59	0.63	1 MS.Trt_vs_MS.NoTrt_B
SLX4	0.1156	1.60549	0.355	0.45	1 MS.Trt_vs_MS.NoTrt_B
RMI1	0.11573	0.57384	0.181	0.24	1 MS.Trt_vs_MS.NoTrt_B
KYAT1	0.11587	0.37967	0.105	0.15	1 MS.Trt_vs_MS.NoTrt_B
COL6A3	0.1159	-0.4773	0.364	0.45	1 MS.Trt_vs_MS.NoTrt_B
PFAS	0.11613	0.27362	0.497	0.47	1 MS.Trt_vs_MS.NoTrt_B

RP2	0.11623	0.63862	0.588	0.62	1	MS.Trt_vs_MS.NoTrt_B
NUCB2	0.1165	0.45016	0.891	0.94	1	MS.Trt_vs_MS.NoTrt_B
CD38	0.11675	0.59201	0.246	0.31	1	MS.Trt_vs_MS.NoTrt_B
MRPL35	0.11684	0.43115	0.065	0.1	1	MS.Trt_vs_MS.NoTrt_B
SMPDL3B	0.11685	-0.3486	0.078	0.12	1	MS.Trt_vs_MS.NoTrt_B
RGSL1	0.11709	0.54087	0.174	0.13	1	MS.Trt_vs_MS.NoTrt_B
LZTFL1	0.11723	-0.5623	0.481	0.57	1	MS.Trt_vs_MS.NoTrt_B
MFSD14B	0.11731	0.72239	0.078	0.12	1	MS.Trt_vs_MS.NoTrt_B
SLC25A23	0.11737	0.84565	0.405	0.52	1	MS.Trt_vs_MS.NoTrt_B
BPNT1	0.11761	-0.5727	0.569	0.64	1	MS.Trt_vs_MS.NoTrt_B
URGCP	0.11762	0.49073	0.386	0.49	1	MS.Trt_vs_MS.NoTrt_B
NDST1	0.11773	0.31273	0.318	0.25	1	MS.Trt_vs_MS.NoTrt_B
SSFA2	0.11783	0.78499	0.078	0.12	1	MS.Trt_vs_MS.NoTrt_B
AVPR1A	0.11812	0.38363	0.144	0.1	1	MS.Trt_vs_MS.NoTrt_B
MED12	0.11817	0.64433	0.144	0.2	1	MS.Trt_vs_MS.NoTrt_B
OSER1	0.11833	0.33159	0.155	0.21	1	MS.Trt_vs_MS.NoTrt_B
NISCH	0.11833	0.30706	0.355	0.42	1	MS.Trt_vs_MS.NoTrt_B
SMC3	0.11855	0.28669	0.194	0.25	1	MS.Trt_vs_MS.NoTrt_B
SS18L1	0.11861	0.28097	0.322	0.41	1	MS.Trt_vs_MS.NoTrt_B
EBLN2	0.11871	-0.2845	0.085	0.12	1	MS.Trt_vs_MS.NoTrt_B
GOLGA7	0.11873	0.58653	0.218	0.28	1	MS.Trt_vs_MS.NoTrt_B
OTOA	0.11947	0.30885	0.264	0.33	1	MS.Trt_vs_MS.NoTrt_B
CUL1	0.12024	0.5008	0.137	0.19	1	MS.Trt_vs_MS.NoTrt_B
ZNHIT3	0.12062	-0.299	0.773	0.84	1	MS.Trt_vs_MS.NoTrt_B
IGSF1	0.12066	0.42974	0.366	0.31	1	MS.Trt_vs_MS.NoTrt_B
RP11-166B2	0.12103	0.39207	0.377	0.48	1	MS.Trt_vs_MS.NoTrt_B
GTPBP4	0.12139	-0.725	0.379	0.44	1	MS.Trt_vs_MS.NoTrt_B
PTGIR	0.12157	0.34671	0.54	0.62	1	MS.Trt_vs_MS.NoTrt_B
ARHGAP35	0.12178	-0.5046	0.146	0.19	1	MS.Trt_vs_MS.NoTrt_B
AGGF1	0.12179	0.38547	0.078	0.12	1	MS.Trt_vs_MS.NoTrt_B
ZNF341	0.12181	0.67143	0.312	0.41	1	MS.Trt_vs_MS.NoTrt_B
FARP1	0.12219	0.37394	0.878	0.95	1	MS.Trt_vs_MS.NoTrt_B
ZNF485	0.12275	0.2978	0.12	0.17	1	MS.Trt_vs_MS.NoTrt_B
EIF4E	0.12306	0.35422	0.928	1	1	MS.Trt_vs_MS.NoTrt_B
MCF2L	0.12319	-0.3896	0.211	0.28	1	MS.Trt_vs_MS.NoTrt_B
TMEM236	0.12351	0.47669	0.702	0.71	1	MS.Trt_vs_MS.NoTrt_B
AIDA	0.12363	0.7484	0.089	0.13	1	MS.Trt_vs_MS.NoTrt_B
CC2D1B	0.12379	0.36901	0.523	0.6	1	MS.Trt_vs_MS.NoTrt_B
FER	0.12396	0.27733	0.359	0.46	1	MS.Trt_vs_MS.NoTrt_B
AMDHD1	0.12397	-0.4174	0.126	0.17	1	MS.Trt_vs_MS.NoTrt_B

RREB1	0.12413	0.66587	0.593	0.74	1 MS.Trt_vs_MS.NoTrt_B
PPME1	0.1242	-0.886	0.098	0.14	1 MS.Trt_vs_MS.NoTrt_B
FPGS	0.12427	-0.4248	0.159	0.21	1 MS.Trt_vs_MS.NoTrt_B
HIST1H2BG	0.12466	0.38556	0.403	0.47	1 MS.Trt_vs_MS.NoTrt_B
PRPS2	0.12515	-0.277	0.081	0.12	1 MS.Trt_vs_MS.NoTrt_B
LINC00961	0.12521	0.30313	0.305	0.25	1 MS.Trt_vs_MS.NoTrt_B
CPNE2	0.12526	0.63389	0.305	0.37	1 MS.Trt_vs_MS.NoTrt_B
KLF2	0.12536	0.47839	0.207	0.27	1 MS.Trt_vs_MS.NoTrt_B
OPA3	0.12543	-0.2621	0.902	0.97	1 MS.Trt_vs_MS.NoTrt_B
PKD2	0.12608	-0.6705	0.131	0.18	1 MS.Trt_vs_MS.NoTrt_B
LTB4R	0.1261	-0.8323	0.255	0.31	1 MS.Trt_vs_MS.NoTrt_B
ATP13A1	0.12632	0.52235	0.244	0.3	1 MS.Trt_vs_MS.NoTrt_B
UBXN11	0.1265	0.45621	0.15	0.2	1 MS.Trt_vs_MS.NoTrt_B
SEMA4C	0.12667	1.05053	0.643	0.76	1 MS.Trt_vs_MS.NoTrt_B
ADAM32	0.1267	0.47468	0.673	0.82	1 MS.Trt_vs_MS.NoTrt_B
CHORDC1	0.12698	0.29174	0.344	0.42	1 MS.Trt_vs_MS.NoTrt_B
SPPL2B	0.12705	-0.6088	0.312	0.37	1 MS.Trt_vs_MS.NoTrt_B
IER3IP1	0.12706	0.92614	0.102	0.15	1 MS.Trt_vs_MS.NoTrt_B
MGAT4A	0.12727	0.73298	0.34	0.41	1 MS.Trt_vs_MS.NoTrt_B
AIPL1	0.12756	0.26532	0.375	0.32	1 MS.Trt_vs_MS.NoTrt_B
ADAM15	0.12771	-0.9327	0.285	0.34	1 MS.Trt_vs_MS.NoTrt_B
SLC38A2	0.12871	0.31671	0.161	0.21	1 MS.Trt_vs_MS.NoTrt_B
GTF2H4	0.12893	-1.2783	0.068	0.1	1 MS.Trt_vs_MS.NoTrt_B
C11orf24	0.12905	0.82228	0.174	0.23	1 MS.Trt_vs_MS.NoTrt_B
EFCAB3	0.12931	0.35318	0.451	0.61	1 MS.Trt_vs_MS.NoTrt_B
SLC39A4	0.12984	0.71946	0.301	0.37	1 MS.Trt_vs_MS.NoTrt_B
ZMYM3	0.12986	0.48798	0.307	0.4	1 MS.Trt_vs_MS.NoTrt_B
UMAD1	0.13015	0.63275	0.115	0.16	1 MS.Trt_vs_MS.NoTrt_B
VARS2	0.1303	-0.8979	0.39	0.45	1 MS.Trt_vs_MS.NoTrt_B
SPAG9	0.13048	0.35065	0.747	0.87	1 MS.Trt_vs_MS.NoTrt_B
MT-ATP8	0.13074	0.65811	0.614	0.84	1 MS.Trt_vs_MS.NoTrt_B
DYNLL2	0.13089	0.98575	0.1	0.14	1 MS.Trt_vs_MS.NoTrt_B
PFDN4	0.13149	1.10696	0.078	0.12	1 MS.Trt_vs_MS.NoTrt_B
SATB1	0.13155	0.50882	0.176	0.12	1 MS.Trt_vs_MS.NoTrt_B
MAF	0.13159	0.86447	0.224	0.29	1 MS.Trt_vs_MS.NoTrt_B
TRNT1	0.13267	-0.2562	0.233	0.28	1 MS.Trt_vs_MS.NoTrt_B
PON2	0.13312	0.42095	0.329	0.41	1 MS.Trt_vs_MS.NoTrt_B
ZNF140	0.13315	-0.546	0.124	0.17	1 MS.Trt_vs_MS.NoTrt_B
KIAA0408	0.1339	0.74748	0.277	0.22	1 MS.Trt_vs_MS.NoTrt_B
DHX9	0.13405	0.34473	0.187	0.24	1 MS.Trt_vs_MS.NoTrt_B

CEP19	0.13406	1.20579	0.492	0.58	1 MS.Trt_vs_MS.NoTrt_B
AICDA	0.13415	0.25758	0.453	0.54	1 MS.Trt_vs_MS.NoTrt_B
UBL3	0.13419	0.41806	0.179	0.24	1 MS.Trt_vs_MS.NoTrt_B
KIAA1191	0.13431	0.29585	0.512	0.63	1 MS.Trt_vs_MS.NoTrt_B
ZNF480	0.13489	1.42768	0.549	0.72	1 MS.Trt_vs_MS.NoTrt_B
LLGL2	0.13492	0.27858	0.386	0.34	1 MS.Trt_vs_MS.NoTrt_B
C1orf174	0.13508	0.40832	0.455	0.55	1 MS.Trt_vs_MS.NoTrt_B
HNRNPUL2	0.13521	0.49239	0.072	0.11	1 MS.Trt_vs_MS.NoTrt_B
ACSL4	0.13536	-0.3455	0.105	0.15	1 MS.Trt_vs_MS.NoTrt_B
KCNMB3	0.13546	1.09598	0.301	0.38	1 MS.Trt_vs_MS.NoTrt_B
ACAP3	0.13568	-0.7058	0.087	0.12	1 MS.Trt_vs_MS.NoTrt_B
CROCC	0.13579	0.60107	0.397	0.47	1 MS.Trt_vs_MS.NoTrt_B
ZSCAN22	0.13588	-1.1466	0.325	0.41	1 MS.Trt_vs_MS.NoTrt_B
L3HYPDH	0.13618	1.15399	0.144	0.2	1 MS.Trt_vs_MS.NoTrt_B
CD302	0.13619	0.80819	0.235	0.29	1 MS.Trt_vs_MS.NoTrt_B
OARD1	0.13623	0.66128	0.172	0.23	1 MS.Trt_vs_MS.NoTrt_B
RP11-644F5	0.13745	0.47719	0.551	0.64	1 MS.Trt_vs_MS.NoTrt_B
ZBTB11	0.13782	1.00552	0.42	0.51	1 MS.Trt_vs_MS.NoTrt_B
C1S	0.13866	0.31302	0.481	0.6	1 MS.Trt_vs_MS.NoTrt_B
PLAG1	0.13879	1.02791	0.312	0.25	1 MS.Trt_vs_MS.NoTrt_B
PRKCB	0.13891	0.64276	0.259	0.32	1 MS.Trt_vs_MS.NoTrt_B
AFAP1	0.13929	0.86358	0.279	0.35	1 MS.Trt_vs_MS.NoTrt_B
KLHL26	0.13968	1.07798	0.434	0.57	1 MS.Trt_vs_MS.NoTrt_B
SPDYE6	0.14004	0.73234	0.094	0.14	1 MS.Trt_vs_MS.NoTrt_B
TPRA1	0.1405	0.86775	0.118	0.16	1 MS.Trt_vs_MS.NoTrt_B
CEP70	0.14102	1.26345	0.126	0.17	1 MS.Trt_vs_MS.NoTrt_B
LINS1	0.14111	0.75979	0.449	0.55	1 MS.Trt_vs_MS.NoTrt_B
VDAC2	0.14133	0.45291	0.248	0.31	1 MS.Trt_vs_MS.NoTrt_B
ATXN7L3B	0.14138	0.30391	0.126	0.17	1 MS.Trt_vs_MS.NoTrt_B
TMED4	0.1415	0.38532	0.861	0.9	1 MS.Trt_vs_MS.NoTrt_B
URI1	0.14165	1.16272	0.174	0.13	1 MS.Trt_vs_MS.NoTrt_B
OSBPL10	0.14247	0.65449	0.292	0.35	1 MS.Trt_vs_MS.NoTrt_B
TPX2	0.14274	-0.3649	0.148	0.2	1 MS.Trt_vs_MS.NoTrt_B
DUS4L	0.14291	-0.3899	0.07	0.1	1 MS.Trt_vs_MS.NoTrt_B
OCEL1	0.14297	-0.483	0.41	0.49	1 MS.Trt_vs_MS.NoTrt_B
ARHGEF40	0.14305	0.78573	0.107	0.15	1 MS.Trt_vs_MS.NoTrt_B
DENND4B	0.14357	0.30863	0.179	0.24	1 MS.Trt_vs_MS.NoTrt_B
PEX19	0.1438	0.25341	0.105	0.15	1 MS.Trt_vs_MS.NoTrt_B
IL7R	0.1439	0.36376	0.791	0.83	1 MS.Trt_vs_MS.NoTrt_B
TPH1	0.14403	0.90898	0.353	0.44	1 MS.Trt_vs_MS.NoTrt_B

OXNAD1	0.14404	0.7056	0.211	0.28	1 MS.Trt_vs_MS.NoTrt_B
BRE	0.14439	-0.2831	0.135	0.18	1 MS.Trt_vs_MS.NoTrt_B
ADAMTS17	0.14442	1.25627	0.115	0.16	1 MS.Trt_vs_MS.NoTrt_B
CLOCK	0.14449	0.25232	0.115	0.16	1 MS.Trt_vs_MS.NoTrt_B
GTF2F2	0.14465	0.53324	0.148	0.2	1 MS.Trt_vs_MS.NoTrt_B
FASTKD5	0.14495	0.94306	0.113	0.08	1 MS.Trt_vs_MS.NoTrt_B
SMAD5	0.14503	0.4154	0.366	0.47	1 MS.Trt_vs_MS.NoTrt_B
CPT2	0.14537	0.47782	0.634	0.75	1 MS.Trt_vs_MS.NoTrt_B
SGTA	0.14539	-0.3003	0.403	0.47	1 MS.Trt_vs_MS.NoTrt_B
RP11-603J24	0.14556	0.39041	0.144	0.2	1 MS.Trt_vs_MS.NoTrt_B
IRGQ	0.14564	0.3044	0.928	0.99	1 MS.Trt_vs_MS.NoTrt_B
VPS9D1	0.14577	1.05824	0.187	0.24	1 MS.Trt_vs_MS.NoTrt_B
ANKDD1A	0.14607	0.7517	0.431	0.52	1 MS.Trt_vs_MS.NoTrt_B
RAB21	0.14623	0.67484	0.917	0.97	1 MS.Trt_vs_MS.NoTrt_B
UBE2D4	0.14652	0.30153	0.599	0.53	1 MS.Trt_vs_MS.NoTrt_B
IFRD1	0.14666	-0.3325	0.264	0.33	1 MS.Trt_vs_MS.NoTrt_B
ZNF426	0.14705	0.80846	0.83	0.9	1 MS.Trt_vs_MS.NoTrt_B
HERPUD1	0.14753	0.44818	0.625	0.69	1 MS.Trt_vs_MS.NoTrt_B
GADD45GIP	0.14856	0.40121	0.102	0.15	1 MS.Trt_vs_MS.NoTrt_B
JUNB	0.1486	0.59276	0.288	0.38	1 MS.Trt_vs_MS.NoTrt_B
LIG3	0.14881	-0.747	0.281	0.33	1 MS.Trt_vs_MS.NoTrt_B
SERF1B	0.14891	0.41086	0.307	0.39	1 MS.Trt_vs_MS.NoTrt_B
COIL	0.14893	1.53847	0.083	0.12	1 MS.Trt_vs_MS.NoTrt_B
CEP128	0.149	0.62085	0.172	0.23	1 MS.Trt_vs_MS.NoTrt_B
STYXL1	0.14938	-0.3348	0.2	0.25	1 MS.Trt_vs_MS.NoTrt_B
AAED1	0.14989	0.87015	0.691	0.78	1 MS.Trt_vs_MS.NoTrt_B
TCTN2	0.15033	0.56793	0.617	0.76	1 MS.Trt_vs_MS.NoTrt_B
MOSPD1	0.15036	0.76144	0.137	0.18	1 MS.Trt_vs_MS.NoTrt_B
SLC2A1	0.15101	-0.6086	0.07	0.1	1 MS.Trt_vs_MS.NoTrt_B
ANKRD39	0.15105	0.26459	0.159	0.21	1 MS.Trt_vs_MS.NoTrt_B
TCP11L1	0.1511	0.68035	0.159	0.2	1 MS.Trt_vs_MS.NoTrt_B
EML2	0.15125	-0.5702	0.575	0.67	1 MS.Trt_vs_MS.NoTrt_B
TOX4	0.15127	0.319	0.641	0.71	1 MS.Trt_vs_MS.NoTrt_B
FARSB	0.15146	0.47303	0.521	0.57	1 MS.Trt_vs_MS.NoTrt_B
TIPIN	0.15205	0.25082	0.484	0.59	1 MS.Trt_vs_MS.NoTrt_B
MESDC2	0.15235	0.53897	0.436	0.5	1 MS.Trt_vs_MS.NoTrt_B
PLCE1	0.15276	0.5838	0.797	0.88	1 MS.Trt_vs_MS.NoTrt_B
RLF	0.15297	0.27225	0.122	0.16	1 MS.Trt_vs_MS.NoTrt_B
MT1X	0.15325	0.6398	0.096	0.14	1 MS.Trt_vs_MS.NoTrt_B
ITGA6	0.15329	0.34633	0.161	0.21	1 MS.Trt_vs_MS.NoTrt_B



DNAAF5	0.15371	2.54238	0.166	0.12	1	MS.Trt_vs_MS.NoTrt_B
SMC1A	0.1539	0.44877	0.176	0.23	1	MS.Trt_vs_MS.NoTrt_B
ATPAF2	0.15429	0.33639	0.357	0.45	1	MS.Trt_vs_MS.NoTrt_B
GEMIN7	0.1543	0.55861	0.172	0.22	1	MS.Trt_vs_MS.NoTrt_B
MRPS5	0.15458	0.33362	0.699	0.88	1	MS.Trt_vs_MS.NoTrt_B
CDRT4	0.15496	-0.3521	0.083	0.12	1	MS.Trt_vs_MS.NoTrt_B
PHF6	0.15521	1.16196	0.573	0.59	1	MS.Trt_vs_MS.NoTrt_B
HOPX	0.15533	0.47809	0.691	0.85	1	MS.Trt_vs_MS.NoTrt_B
SKIV2L2	0.15547	0.27344	0.723	0.85	1	MS.Trt_vs_MS.NoTrt_B
GPM6B	0.15551	0.42904	0.107	0.15	1	MS.Trt_vs_MS.NoTrt_B
PECR	0.15589	0.42542	0.641	0.71	1	MS.Trt_vs_MS.NoTrt_B
MAPK8IP3	0.15616	0.44358	0.118	0.16	1	MS.Trt_vs_MS.NoTrt_B
WDR43	0.15626	0.39713	0.357	0.43	1	MS.Trt_vs_MS.NoTrt_B
DCAF11	0.15629	-0.863	0.632	0.78	1	MS.Trt_vs_MS.NoTrt_B
OAZ3	0.15641	0.85814	0.307	0.38	1	MS.Trt_vs_MS.NoTrt_B
FAM168A	0.15645	0.57866	0.078	0.11	1	MS.Trt_vs_MS.NoTrt_B
PSMG4	0.15705	0.32882	0.691	0.77	1	MS.Trt_vs_MS.NoTrt_B
PDIA6	0.15711	0.46151	0.17	0.23	1	MS.Trt_vs_MS.NoTrt_B
PPP1R3E	0.1573	-0.5081	0.181	0.23	1	MS.Trt_vs_MS.NoTrt_B
BBS1	0.1577	-0.309	0.501	0.58	1	MS.Trt_vs_MS.NoTrt_B
CCDC174	0.15784	1.34597	0.153	0.11	1	MS.Trt_vs_MS.NoTrt_B
MBNL2	0.15842	0.28832	0.137	0.18	1	MS.Trt_vs_MS.NoTrt_B
KLHL8	0.15861	0.35917	0.51	0.58	1	MS.Trt_vs_MS.NoTrt_B
SLC4A8	0.15882	0.96572	0.784	0.9	1	MS.Trt_vs_MS.NoTrt_B
TMEM135	0.15907	0.46454	0.621	0.74	1	MS.Trt_vs_MS.NoTrt_B
HOMEZ	0.15941	0.82105	0.192	0.24	1	MS.Trt_vs_MS.NoTrt_B
FXN	0.15975	0.39536	0.146	0.2	1	MS.Trt_vs_MS.NoTrt_B
KLF7	0.15989	-1.0611	0.124	0.16	1	MS.Trt_vs_MS.NoTrt_B
SET	0.15998	0.47838	0.854	0.98	1	MS.Trt_vs_MS.NoTrt_B
RSL1D1	0.16017	0.57642	0.73	0.86	1	MS.Trt_vs_MS.NoTrt_B
UBR3	0.16026	1.30885	0.096	0.14	1	MS.Trt_vs_MS.NoTrt_B
TMEM185B	0.16071	-0.9974	0.272	0.33	1	MS.Trt_vs_MS.NoTrt_B
RIPK1	0.1611	-0.6175	0.12	0.16	1	MS.Trt_vs_MS.NoTrt_B
YARS2	0.16136	0.79128	0.283	0.36	1	MS.Trt_vs_MS.NoTrt_B
SFT2D1	0.16168	0.49754	0.309	0.35	1	MS.Trt_vs_MS.NoTrt_B
TMEM168	0.16176	0.76949	0.412	0.48	1	MS.Trt_vs_MS.NoTrt_B
NPTXR	0.16224	0.48785	0.272	0.35	1	MS.Trt_vs_MS.NoTrt_B
KCTD19	0.16241	0.25499	0.571	0.69	1	MS.Trt_vs_MS.NoTrt_B
ZNF84	0.16266	1.00652	0.209	0.26	1	MS.Trt_vs_MS.NoTrt_B
SMIM8	0.16354	0.73757	0.466	0.52	1	MS.Trt_vs_MS.NoTrt_B

PIR	0.1636	0.3388	0.366	0.47	1 MS.Trt_vs_MS.NoTrt_B
KLHDC10	0.16363	1.14099	0.314	0.4	1 MS.Trt_vs_MS.NoTrt_B
USP1	0.16387	0.2714	0.115	0.16	1 MS.Trt_vs_MS.NoTrt_B
DSC2	0.16432	-1.2221	0.22	0.27	1 MS.Trt_vs_MS.NoTrt_B
ZNF684	0.16442	0.83668	0.573	0.69	1 MS.Trt_vs_MS.NoTrt_B
SYK	0.16449	0.49002	0.288	0.35	1 MS.Trt_vs_MS.NoTrt_B
CES2	0.16496	-0.6757	0.224	0.27	1 MS.Trt_vs_MS.NoTrt_B
PARP10	0.16506	0.29453	0.092	0.13	1 MS.Trt_vs_MS.NoTrt_B
RBBP7	0.16562	0.30119	0.632	0.69	1 MS.Trt_vs_MS.NoTrt_B
MZF1	0.16592	0.62298	0.083	0.12	1 MS.Trt_vs_MS.NoTrt_B
ZKSCAN4	0.16615	-0.381	0.349	0.42	1 MS.Trt_vs_MS.NoTrt_B
YLPM1	0.16619	0.57828	0.473	0.54	1 MS.Trt_vs_MS.NoTrt_B
RHBG	0.16707	0.55662	0.634	0.75	1 MS.Trt_vs_MS.NoTrt_B
ALG5	0.16744	0.58012	0.434	0.37	1 MS.Trt_vs_MS.NoTrt_B
CRLF2	0.16756	0.45375	0.216	0.28	1 MS.Trt_vs_MS.NoTrt_B
MBTPS2	0.16787	0.36101	0.224	0.28	1 MS.Trt_vs_MS.NoTrt_B
MFSD8	0.16802	-0.4457	0.29	0.34	1 MS.Trt_vs_MS.NoTrt_B
FZR1	0.16831	-0.8253	0.072	0.1	1 MS.Trt_vs_MS.NoTrt_B
TRA2A	0.16897	0.55877	0.688	0.81	1 MS.Trt_vs_MS.NoTrt_B
WRAP73	0.16907	0.25544	0.261	0.31	1 MS.Trt_vs_MS.NoTrt_B
HIGD1A	0.16932	0.72185	0.115	0.16	1 MS.Trt_vs_MS.NoTrt_B
LRRC69	0.17	-0.3227	0.466	0.51	1 MS.Trt_vs_MS.NoTrt_B
GTPBP2	0.1702	0.51846	0.462	0.52	1 MS.Trt_vs_MS.NoTrt_B
TTC28	0.17073	-0.5456	0.292	0.35	1 MS.Trt_vs_MS.NoTrt_B
NFIC	0.17081	1.45994	0.275	0.34	1 MS.Trt_vs_MS.NoTrt_B
NBAS	0.17128	0.83975	0.153	0.2	1 MS.Trt_vs_MS.NoTrt_B
FOXRED1	0.17131	-0.2538	0.434	0.51	1 MS.Trt_vs_MS.NoTrt_B
ADORA2A	0.17136	-0.2569	0.089	0.12	1 MS.Trt_vs_MS.NoTrt_B
IVNS1ABP	0.17155	0.35459	0.251	0.3	1 MS.Trt_vs_MS.NoTrt_B
GPR1	0.1717	0.25325	0.205	0.16	1 MS.Trt_vs_MS.NoTrt_B
SNAPC5	0.17221	0.44615	0.501	0.57	1 MS.Trt_vs_MS.NoTrt_B
C8orf76	0.17227	-0.4357	0.503	0.58	1 MS.Trt_vs_MS.NoTrt_B
ERMN	0.17231	1.19154	0.131	0.17	1 MS.Trt_vs_MS.NoTrt_B
FAM200A	0.17282	0.42586	0.174	0.22	1 MS.Trt_vs_MS.NoTrt_B
COPG1	0.17335	-0.4084	0.109	0.15	1 MS.Trt_vs_MS.NoTrt_B
KIF22	0.17378	0.28678	0.172	0.22	1 MS.Trt_vs_MS.NoTrt_B
C16orf72	0.17379	0.5716	0.706	0.82	1 MS.Trt_vs_MS.NoTrt_B
OGFR	0.17403	0.33384	0.137	0.18	1 MS.Trt_vs_MS.NoTrt_B
TIMM17A	0.17418	0.44184	0.8	0.9	1 MS.Trt_vs_MS.NoTrt_B
GSN	0.17448	-0.8155	0.453	0.56	1 MS.Trt_vs_MS.NoTrt_B

9-Mar	0.17468	0.29129	0.455	0.55	1	MS.Trt_vs_MS.NoTrt_B
FAM173B	0.17482	0.52792	0.126	0.17	1	MS.Trt_vs_MS.NoTrt_B
CSPP1	0.17485	1.03044	0.32	0.4	1	MS.Trt_vs_MS.NoTrt_B
ZHX1	0.17498	-0.2988	0.492	0.57	1	MS.Trt_vs_MS.NoTrt_B
SCPEP1	0.1755	-0.2631	0.645	0.74	1	MS.Trt_vs_MS.NoTrt_B
AKAP11	0.17609	0.50447	0.161	0.21	1	MS.Trt_vs_MS.NoTrt_B
AGK	0.17719	0.47475	0.176	0.23	1	MS.Trt_vs_MS.NoTrt_B
ZC3H15	0.17747	0.48875	0.187	0.24	1	MS.Trt_vs_MS.NoTrt_B
RAPGEF2	0.17753	0.56587	0.316	0.38	1	MS.Trt_vs_MS.NoTrt_B
DNPEP	0.17769	-0.2793	0.403	0.47	1	MS.Trt_vs_MS.NoTrt_B
C2	0.17835	0.33223	0.556	0.68	1	MS.Trt_vs_MS.NoTrt_B
CCDC138	0.17877	0.93931	0.111	0.15	1	MS.Trt_vs_MS.NoTrt_B
CCDC85C	0.17908	0.79937	0.316	0.37	1	MS.Trt_vs_MS.NoTrt_B
ALG12	0.17911	0.51148	0.087	0.12	1	MS.Trt_vs_MS.NoTrt_B
LEPR	0.17934	0.49723	0.24	0.3	1	MS.Trt_vs_MS.NoTrt_B
ZC3H13	0.17936	0.45904	0.227	0.29	1	MS.Trt_vs_MS.NoTrt_B
RAP1GDS1	0.17946	0.47627	0.336	0.42	1	MS.Trt_vs_MS.NoTrt_B
EVI5L	0.1801	-0.4658	0.207	0.27	1	MS.Trt_vs_MS.NoTrt_B
ANKRD46	0.18078	0.56825	0.137	0.18	1	MS.Trt_vs_MS.NoTrt_B
STAT5A	0.18123	-0.5639	0.107	0.14	1	MS.Trt_vs_MS.NoTrt_B
CHRM3	0.18123	0.4758	0.148	0.2	1	MS.Trt_vs_MS.NoTrt_B
FAM159A	0.18128	1.12779	0.468	0.56	1	MS.Trt_vs_MS.NoTrt_B
SMG7	0.18162	0.42629	0.159	0.21	1	MS.Trt_vs_MS.NoTrt_B
DNAJC22	0.18215	0.25005	0.377	0.32	1	MS.Trt_vs_MS.NoTrt_B
DCAF10	0.18282	0.48629	0.68	0.79	1	MS.Trt_vs_MS.NoTrt_B
ADCK1	0.18342	0.30575	0.176	0.22	1	MS.Trt_vs_MS.NoTrt_B
PPM1F	0.18347	0.86965	0.695	0.81	1	MS.Trt_vs_MS.NoTrt_B
COASY	0.18379	-0.9954	0.362	0.41	1	MS.Trt_vs_MS.NoTrt_B
VEZT	0.18425	0.35457	0.593	0.7	1	MS.Trt_vs_MS.NoTrt_B
LRP1	0.18429	-0.3928	0.166	0.21	1	MS.Trt_vs_MS.NoTrt_B
PDZK1	0.18451	-0.5509	0.214	0.26	1	MS.Trt_vs_MS.NoTrt_B
EFR3A	0.18455	-0.3962	0.096	0.13	1	MS.Trt_vs_MS.NoTrt_B
ZNF763	0.18464	-0.6848	0.109	0.15	1	MS.Trt_vs_MS.NoTrt_B
FAM111B	0.18558	0.30339	0.414	0.55	1	MS.Trt_vs_MS.NoTrt_B
NCAPG2	0.18625	1.434	0.2	0.16	1	MS.Trt_vs_MS.NoTrt_B
PIK3CG	0.18645	0.65177	0.183	0.23	1	MS.Trt_vs_MS.NoTrt_B
GSDMA	0.18652	0.47631	0.497	0.58	1	MS.Trt_vs_MS.NoTrt_B
GATAD2A	0.18654	0.3568	0.577	0.63	1	MS.Trt_vs_MS.NoTrt_B
WIZ	0.18684	-0.3675	0.22	0.27	1	MS.Trt_vs_MS.NoTrt_B
GTF2H1	0.18728	0.26998	0.277	0.34	1	MS.Trt_vs_MS.NoTrt_B

PPM1A	0.18753	-0.5111	0.111	0.15	1 MS.Trt_vs_MS.NoTrt_B
LYRM9	0.18785	-0.8987	0.176	0.22	1 MS.Trt_vs_MS.NoTrt_B
FAM120A	0.18808	0.90119	0.129	0.09	1 MS.Trt_vs_MS.NoTrt_B
GDPGP1	0.18811	0.36266	0.841	0.94	1 MS.Trt_vs_MS.NoTrt_B
RASEF	0.18863	0.27756	0.745	0.96	1 MS.Trt_vs_MS.NoTrt_B
MRPL32	0.18877	0.85831	0.098	0.14	1 MS.Trt_vs_MS.NoTrt_B
MAP3K4	0.18917	-0.4062	0.122	0.16	1 MS.Trt_vs_MS.NoTrt_B
NT5DC1	0.1892	0.53243	0.146	0.19	1 MS.Trt_vs_MS.NoTrt_B
PUS7	0.18968	-0.6191	0.244	0.3	1 MS.Trt_vs_MS.NoTrt_B
B4GALT1	0.18994	0.25758	0.566	0.63	1 MS.Trt_vs_MS.NoTrt_B
GLS	0.18996	0.68331	0.556	0.64	1 MS.Trt_vs_MS.NoTrt_B
HID1	0.19002	1.10896	0.1	0.14	1 MS.Trt_vs_MS.NoTrt_B
STRN	0.19031	0.86715	0.126	0.17	1 MS.Trt_vs_MS.NoTrt_B
IDH1	0.19045	-0.5483	0.146	0.19	1 MS.Trt_vs_MS.NoTrt_B
IRAK2	0.19048	1.00391	0.242	0.3	1 MS.Trt_vs_MS.NoTrt_B
MEGF9	0.19054	0.50076	0.392	0.44	1 MS.Trt_vs_MS.NoTrt_B
RPS6KB1	0.19057	0.51865	0.758	0.82	1 MS.Trt_vs_MS.NoTrt_B
SLC25A40	0.19072	-0.4674	0.222	0.29	1 MS.Trt_vs_MS.NoTrt_B
MRPL13	0.19105	0.7866	0.102	0.14	1 MS.Trt_vs_MS.NoTrt_B
GALNT2	0.19113	0.25231	0.137	0.18	1 MS.Trt_vs_MS.NoTrt_B
SLC37A3	0.19143	-0.4646	0.854	0.91	1 MS.Trt_vs_MS.NoTrt_B
HMG20A	0.19157	0.84361	0.222	0.28	1 MS.Trt_vs_MS.NoTrt_B
ATAD3C	0.19231	0.30668	0.741	0.69	1 MS.Trt_vs_MS.NoTrt_B
ZCRB1	0.19299	0.43405	0.142	0.18	1 MS.Trt_vs_MS.NoTrt_B
GTF2I	0.19328	0.51903	0.8	0.88	1 MS.Trt_vs_MS.NoTrt_B
SWAP70	0.19329	-0.3043	0.399	0.48	1 MS.Trt_vs_MS.NoTrt_B
MLXIP	0.19386	0.32001	0.854	0.91	1 MS.Trt_vs_MS.NoTrt_B
ZC3H6	0.19419	0.52378	0.695	0.83	1 MS.Trt_vs_MS.NoTrt_B
ZSCAN21	0.19452	1.3538	0.187	0.15	1 MS.Trt_vs_MS.NoTrt_B
PLCD4	0.19482	-0.4569	0.19	0.24	1 MS.Trt_vs_MS.NoTrt_B
C2orf42	0.19483	0.61797	0.072	0.1	1 MS.Trt_vs_MS.NoTrt_B
RAD23A	0.19529	0.28215	0.682	0.71	1 MS.Trt_vs_MS.NoTrt_B
HPCAL1	0.19555	0.6947	0.305	0.36	1 MS.Trt_vs_MS.NoTrt_B
PRKAR1A	0.19566	0.27212	0.207	0.26	1 MS.Trt_vs_MS.NoTrt_B
SCAMP1	0.19574	0.85281	0.399	0.44	1 MS.Trt_vs_MS.NoTrt_B
ZNF92	0.19646	-0.6485	0.107	0.14	1 MS.Trt_vs_MS.NoTrt_B
NPC2	0.19676	0.5171	0.098	0.14	1 MS.Trt_vs_MS.NoTrt_B
RP11-9J18.1	0.19702	0.27117	0.17	0.22	1 MS.Trt_vs_MS.NoTrt_B
TTPAL	0.19727	0.63349	0.691	0.8	1 MS.Trt_vs_MS.NoTrt_B
CEP295	0.19733	0.75267	0.484	0.56	1 MS.Trt_vs_MS.NoTrt_B

SLCO2B1	0.19791	0.48774	0.246	0.31	1	MS.Trt_vs_MS.NoTrt_B
ATP1A3	0.19853	-0.4477	0.255	0.31	1	MS.Trt_vs_MS.NoTrt_B
FEM1A	0.19854	0.3516	0.867	0.92	1	MS.Trt_vs_MS.NoTrt_B
OR11A1	0.19856	0.54012	0.183	0.24	1	MS.Trt_vs_MS.NoTrt_B
TADA2B	0.19861	1.64964	0.24	0.3	1	MS.Trt_vs_MS.NoTrt_B
ZNF280C	0.19941	-0.4749	0.181	0.22	1	MS.Trt_vs_MS.NoTrt_B
NEDD4	0.19966	0.41148	0.871	0.97	1	MS.Trt_vs_MS.NoTrt_B
ZFP37	0.19975	0.54511	0.298	0.36	1	MS.Trt_vs_MS.NoTrt_B
MIER2	0.20013	-0.8812	0.39	0.45	1	MS.Trt_vs_MS.NoTrt_B
PPP2R2A	0.2003	0.98451	0.107	0.14	1	MS.Trt_vs_MS.NoTrt_B
ZNF264	0.20036	0.28586	0.854	0.91	1	MS.Trt_vs_MS.NoTrt_B
C2CD2	0.20081	0.84243	0.159	0.21	1	MS.Trt_vs_MS.NoTrt_B
VPS18	0.20097	-0.8137	0.174	0.21	1	MS.Trt_vs_MS.NoTrt_B
AGAP6	0.20168	1.54113	0.089	0.12	1	MS.Trt_vs_MS.NoTrt_B
RNF168	0.20175	0.49508	0.475	0.57	1	MS.Trt_vs_MS.NoTrt_B
EIF5A	0.20225	1.11836	0.61	0.67	1	MS.Trt_vs_MS.NoTrt_B
LIPT2	0.2024	-0.7268	0.092	0.12	1	MS.Trt_vs_MS.NoTrt_B
CREBL2	0.20261	0.61942	0.072	0.1	1	MS.Trt_vs_MS.NoTrt_B
UQCRC1	0.2033	0.47066	0.214	0.27	1	MS.Trt_vs_MS.NoTrt_B
TBC1D23	0.20355	0.39412	0.092	0.12	1	MS.Trt_vs_MS.NoTrt_B
CPNE8	0.2036	1.35965	0.109	0.08	1	MS.Trt_vs_MS.NoTrt_B
MYO6	0.20361	1.64721	0.373	0.45	1	MS.Trt_vs_MS.NoTrt_B
DENND2D	0.2037	0.49618	0.322	0.28	1	MS.Trt_vs_MS.NoTrt_B
MAN1C1	0.20412	0.84842	0.83	0.85	1	MS.Trt_vs_MS.NoTrt_B
RBM7	0.20415	1.05648	0.601	0.67	1	MS.Trt_vs_MS.NoTrt_B
TRIM34	0.20422	-0.2653	0.246	0.3	1	MS.Trt_vs_MS.NoTrt_B
STAG2	0.20428	0.47612	0.671	0.73	1	MS.Trt_vs_MS.NoTrt_B
CLDN11	0.20473	0.49123	0.512	0.47	1	MS.Trt_vs_MS.NoTrt_B
SFXN2	0.20486	0.38443	0.871	0.9	1	MS.Trt_vs_MS.NoTrt_B
GLUD1	0.20493	0.5377	0.124	0.16	1	MS.Trt_vs_MS.NoTrt_B
LINC00959	0.20531	-0.941	0.083	0.11	1	MS.Trt_vs_MS.NoTrt_B
SPATS2L	0.20541	-0.2991	0.856	0.92	1	MS.Trt_vs_MS.NoTrt_B
USO1	0.20572	0.50707	0.102	0.14	1	MS.Trt_vs_MS.NoTrt_B
PRKRA	0.2059	0.63964	0.196	0.24	1	MS.Trt_vs_MS.NoTrt_B
UPK1B	0.2061	0.39634	0.412	0.37	1	MS.Trt_vs_MS.NoTrt_B
CAMKMT	0.20623	0.63175	0.231	0.28	1	MS.Trt_vs_MS.NoTrt_B
TRABD2A	0.20624	0.25758	0.741	0.79	1	MS.Trt_vs_MS.NoTrt_B
LSR	0.20651	-0.6796	0.133	0.17	1	MS.Trt_vs_MS.NoTrt_B
ZNF37A	0.20695	0.40093	0.749	0.85	1	MS.Trt_vs_MS.NoTrt_B
NANP	0.20697	-0.7252	0.244	0.3	1	MS.Trt_vs_MS.NoTrt_B

ITGA2B	0.20762	0.31365	0.312	0.27	1 MS.Trt_vs_MS.NoTrt_B
NOP16	0.20764	0.27463	0.15	0.2	1 MS.Trt_vs_MS.NoTrt_B
UEVLD	0.20766	-0.274	0.828	0.9	1 MS.Trt_vs_MS.NoTrt_B
INCA1	0.20786	0.27999	0.157	0.21	1 MS.Trt_vs_MS.NoTrt_B
METTTL25	0.20843	0.72804	0.124	0.16	1 MS.Trt_vs_MS.NoTrt_B
ZNF12	0.20898	-0.9904	0.237	0.28	1 MS.Trt_vs_MS.NoTrt_B
ZNF407	0.20934	1.02852	0.076	0.11	1 MS.Trt_vs_MS.NoTrt_B
TAF8	0.21012	-0.283	0.882	0.96	1 MS.Trt_vs_MS.NoTrt_B
TMEM127	0.21052	0.2524	0.571	0.63	1 MS.Trt_vs_MS.NoTrt_B
ACACB	0.21055	0.61003	0.828	0.94	1 MS.Trt_vs_MS.NoTrt_B
LPCAT3	0.21066	-0.9599	0.392	0.41	1 MS.Trt_vs_MS.NoTrt_B
NIT1	0.21069	-0.6789	0.471	0.56	1 MS.Trt_vs_MS.NoTrt_B
DOK6	0.21136	-0.3543	0.146	0.19	1 MS.Trt_vs_MS.NoTrt_B
PHTF1	0.21155	0.39036	0.397	0.45	1 MS.Trt_vs_MS.NoTrt_B
HIST1H2AG	0.21169	0.52814	0.279	0.34	1 MS.Trt_vs_MS.NoTrt_B
BCR	0.21183	0.48223	0.216	0.27	1 MS.Trt_vs_MS.NoTrt_B
ZP3	0.21197	0.41229	0.512	0.61	1 MS.Trt_vs_MS.NoTrt_B
ASPH	0.21233	-0.3052	0.351	0.44	1 MS.Trt_vs_MS.NoTrt_B
MAML1	0.21247	-0.2576	0.098	0.13	1 MS.Trt_vs_MS.NoTrt_B
TRIM39	0.21272	-0.3255	0.089	0.12	1 MS.Trt_vs_MS.NoTrt_B
RNF144B	0.2128	0.4858	0.248	0.31	1 MS.Trt_vs_MS.NoTrt_B
DGKZ	0.21311	0.38788	0.407	0.46	1 MS.Trt_vs_MS.NoTrt_B
WDR77	0.21326	0.35672	0.092	0.12	1 MS.Trt_vs_MS.NoTrt_B
GMPR	0.21335	0.67024	0.322	0.41	1 MS.Trt_vs_MS.NoTrt_B
MFSD4A	0.21343	1.05951	0.423	0.48	1 MS.Trt_vs_MS.NoTrt_B
BET1L	0.21349	0.31184	0.157	0.2	1 MS.Trt_vs_MS.NoTrt_B
MTHFR	0.2135	0.34969	0.699	0.84	1 MS.Trt_vs_MS.NoTrt_B
ZNF845	0.21462	0.45968	0.514	0.6	1 MS.Trt_vs_MS.NoTrt_B
RBMS3	0.21498	0.53	0.562	0.67	1 MS.Trt_vs_MS.NoTrt_B
BEST1	0.21503	0.33259	0.708	0.8	1 MS.Trt_vs_MS.NoTrt_B
TEFM	0.21528	0.58204	0.595	0.7	1 MS.Trt_vs_MS.NoTrt_B
SYTL2	0.21549	0.48411	0.736	0.8	1 MS.Trt_vs_MS.NoTrt_B
HNRNPM	0.21567	0.3753	0.242	0.3	1 MS.Trt_vs_MS.NoTrt_B
ACOT4	0.21601	-1.428	0.092	0.12	1 MS.Trt_vs_MS.NoTrt_B
DNAJA4	0.21624	1.6615	0.076	0.11	1 MS.Trt_vs_MS.NoTrt_B
VPS50	0.21658	0.30511	0.473	0.54	1 MS.Trt_vs_MS.NoTrt_B
ZDHHC14	0.21689	0.43669	0.27	0.32	1 MS.Trt_vs_MS.NoTrt_B
KLHL11	0.21694	-0.2832	0.405	0.46	1 MS.Trt_vs_MS.NoTrt_B
ENDOV	0.21712	0.48768	0.484	0.54	1 MS.Trt_vs_MS.NoTrt_B
PTPRC	0.21723	0.48757	0.876	0.98	1 MS.Trt_vs_MS.NoTrt_B

AMFR	0.21742	-0.841	0.503	0.42	1 MS.Trt_vs_MS.NoTrt_B
CD160	0.21761	0.64058	0.214	0.27	1 MS.Trt_vs_MS.NoTrt_B
TSEN34	0.21798	0.28424	0.094	0.12	1 MS.Trt_vs_MS.NoTrt_B
ABCC4	0.21916	0.76431	0.58	0.75	1 MS.Trt_vs_MS.NoTrt_B
DDX47	0.21949	0.6712	0.41	0.47	1 MS.Trt_vs_MS.NoTrt_B
APC	0.21979	0.41569	0.416	0.46	1 MS.Trt_vs_MS.NoTrt_B
EMC7	0.22	0.38523	0.148	0.19	1 MS.Trt_vs_MS.NoTrt_B
PCGF6	0.22019	0.35837	0.59	0.75	1 MS.Trt_vs_MS.NoTrt_B
UNKL	0.22046	0.42019	0.353	0.4	1 MS.Trt_vs_MS.NoTrt_B
PPIL3	0.22062	0.27031	0.643	0.78	1 MS.Trt_vs_MS.NoTrt_B
LAYN	0.22066	0.99569	0.166	0.21	1 MS.Trt_vs_MS.NoTrt_B
KIAA1468	0.22149	0.52404	0.227	0.27	1 MS.Trt_vs_MS.NoTrt_B
RBMS1	0.22165	0.58624	0.505	0.61	1 MS.Trt_vs_MS.NoTrt_B
MACF1	0.2218	0.74319	0.789	0.84	1 MS.Trt_vs_MS.NoTrt_B
FYN	0.22187	0.44077	0.451	0.54	1 MS.Trt_vs_MS.NoTrt_B
PRR23C	0.22279	0.29413	0.338	0.42	1 MS.Trt_vs_MS.NoTrt_B
SLK	0.22322	0.49495	0.115	0.15	1 MS.Trt_vs_MS.NoTrt_B
UNC13C	0.22335	0.30926	0.479	0.62	1 MS.Trt_vs_MS.NoTrt_B
USP6NL	0.22461	0.67643	0.667	0.82	1 MS.Trt_vs_MS.NoTrt_B
CKS1B	0.22476	0.86709	0.15	0.19	1 MS.Trt_vs_MS.NoTrt_B
PI16	0.22509	-0.3714	0.133	0.17	1 MS.Trt_vs_MS.NoTrt_B
DNAJC3	0.22524	0.91838	0.42	0.5	1 MS.Trt_vs_MS.NoTrt_B
PRKRIP1	0.22532	0.75889	0.074	0.1	1 MS.Trt_vs_MS.NoTrt_B
TTC3	0.22564	0.49126	0.645	0.73	1 MS.Trt_vs_MS.NoTrt_B
SPN	0.22601	-0.3327	0.932	0.98	1 MS.Trt_vs_MS.NoTrt_B
ZNF518A	0.22604	0.27592	0.092	0.12	1 MS.Trt_vs_MS.NoTrt_B
PPP1R1C	0.22614	0.26579	0.203	0.25	1 MS.Trt_vs_MS.NoTrt_B
SLC25A30	0.22628	0.28992	0.51	0.57	1 MS.Trt_vs_MS.NoTrt_B
SIRT1	0.22665	1.01052	0.074	0.1	1 MS.Trt_vs_MS.NoTrt_B
RABEP1	0.22715	0.57883	0.148	0.2	1 MS.Trt_vs_MS.NoTrt_B
LPAR6	0.22717	0.62051	0.338	0.38	1 MS.Trt_vs_MS.NoTrt_B
MIGA1	0.22719	0.62338	0.377	0.45	1 MS.Trt_vs_MS.NoTrt_B
POLR2B	0.22741	0.44738	0.438	0.48	1 MS.Trt_vs_MS.NoTrt_B
C16orf45	0.22754	0.50955	0.146	0.18	1 MS.Trt_vs_MS.NoTrt_B
TNFSF13B	0.2276	0.46621	0.449	0.52	1 MS.Trt_vs_MS.NoTrt_B
TBC1D3I	0.22871	-0.3156	0.157	0.2	1 MS.Trt_vs_MS.NoTrt_B
MTFR1	0.22953	0.37363	0.111	0.15	1 MS.Trt_vs_MS.NoTrt_B
MCMBP	0.22974	1.22233	0.355	0.41	1 MS.Trt_vs_MS.NoTrt_B
ADAMTS16	0.23002	0.34757	0.222	0.29	1 MS.Trt_vs_MS.NoTrt_B
ZNF316	0.23019	1.08545	0.427	0.38	1 MS.Trt_vs_MS.NoTrt_B

CHST3	0.23021	-0.4167	0.118	0.16	1 MS.Trt_vs_MS.NoTrt_B
DHX37	0.23064	-0.4431	0.349	0.41	1 MS.Trt_vs_MS.NoTrt_B
SKP2	0.23133	0.34541	0.41	0.47	1 MS.Trt_vs_MS.NoTrt_B
MORC3	0.23186	0.63747	0.403	0.44	1 MS.Trt_vs_MS.NoTrt_B
FLOT1	0.23228	0.66515	0.12	0.09	1 MS.Trt_vs_MS.NoTrt_B
IBA57	0.23284	1.12879	0.647	0.73	1 MS.Trt_vs_MS.NoTrt_B
TMEM104	0.23373	0.35431	0.107	0.14	1 MS.Trt_vs_MS.NoTrt_B
TNS2	0.23382	0.25392	0.257	0.31	1 MS.Trt_vs_MS.NoTrt_B
SAP130	0.23392	0.66508	0.118	0.16	1 MS.Trt_vs_MS.NoTrt_B
TMEM11	0.23403	-0.2957	0.085	0.11	1 MS.Trt_vs_MS.NoTrt_B
RNF13	0.23444	0.79226	0.131	0.17	1 MS.Trt_vs_MS.NoTrt_B
AP3M1	0.23525	-0.3562	0.407	0.44	1 MS.Trt_vs_MS.NoTrt_B
TRIM61	0.23534	-0.6524	0.174	0.21	1 MS.Trt_vs_MS.NoTrt_B
AGO4	0.23631	-0.5483	0.24	0.28	1 MS.Trt_vs_MS.NoTrt_B
TLE2	0.23638	0.76969	0.375	0.44	1 MS.Trt_vs_MS.NoTrt_B
ERBB3	0.23705	-0.4448	0.654	0.68	1 MS.Trt_vs_MS.NoTrt_B
UGT1A1	0.2373	0.39819	0.473	0.57	1 MS.Trt_vs_MS.NoTrt_B
DNAH2	0.23764	0.33372	0.51	0.63	1 MS.Trt_vs_MS.NoTrt_B
DEDD	0.23799	0.32035	0.135	0.17	1 MS.Trt_vs_MS.NoTrt_B
APOBR	0.238	1.3632	0.083	0.11	1 MS.Trt_vs_MS.NoTrt_B
C11orf54	0.23828	0.3656	0.732	0.76	1 MS.Trt_vs_MS.NoTrt_B
KIAA1210	0.23907	-0.3061	0.198	0.23	1 MS.Trt_vs_MS.NoTrt_B
KIF20B	0.23916	0.55811	0.111	0.15	1 MS.Trt_vs_MS.NoTrt_B
IFITM1	0.23919	0.28173	0.54	0.63	1 MS.Trt_vs_MS.NoTrt_B
AHI1	0.24012	0.38957	0.27	0.32	1 MS.Trt_vs_MS.NoTrt_B
RP11-111M1	0.24042	0.27456	0.778	0.88	1 MS.Trt_vs_MS.NoTrt_B
GPR108	0.24047	0.55429	0.157	0.2	1 MS.Trt_vs_MS.NoTrt_B
RAB43	0.24085	0.40069	0.157	0.2	1 MS.Trt_vs_MS.NoTrt_B
TMEM185A	0.24262	0.86757	0.386	0.46	1 MS.Trt_vs_MS.NoTrt_B
GFOD1	0.24319	-0.3365	0.497	0.53	1 MS.Trt_vs_MS.NoTrt_B
NECAP2	0.24446	0.30739	0.399	0.47	1 MS.Trt_vs_MS.NoTrt_B
MSMO1	0.24479	0.47024	0.442	0.52	1 MS.Trt_vs_MS.NoTrt_B
SLC31A2	0.24488	-0.4812	0.085	0.11	1 MS.Trt_vs_MS.NoTrt_B
SERPINB9	0.2453	0.61293	0.693	0.8	1 MS.Trt_vs_MS.NoTrt_B
RWDD2A	0.24587	-0.5969	0.349	0.41	1 MS.Trt_vs_MS.NoTrt_B
TMA7	0.2459	0.76557	0.527	0.73	1 MS.Trt_vs_MS.NoTrt_B
ZNF532	0.24623	-0.2787	0.874	0.96	1 MS.Trt_vs_MS.NoTrt_B
CD163	0.24732	0.36148	0.562	0.74	1 MS.Trt_vs_MS.NoTrt_B
TMEM216	0.24734	0.45916	0.288	0.34	1 MS.Trt_vs_MS.NoTrt_B
CD24	0.24735	0.26504	0.253	0.3	1 MS.Trt_vs_MS.NoTrt_B



DGCR8	0.24776	-0.7752	0.081	0.11	1 MS.Trt_vs_MS.NoTrt_B
TP53	0.24782	0.54775	0.741	0.84	1 MS.Trt_vs_MS.NoTrt_B
AXIN1	0.24828	0.52645	0.074	0.1	1 MS.Trt_vs_MS.NoTrt_B
KMT5B	0.2491	-0.4867	0.205	0.24	1 MS.Trt_vs_MS.NoTrt_B
MALT1	0.24963	0.34794	0.078	0.11	1 MS.Trt_vs_MS.NoTrt_B
CD69	0.24979	0.28913	0.148	0.18	1 MS.Trt_vs_MS.NoTrt_B
ENPP3	0.24983	0.43467	0.098	0.13	1 MS.Trt_vs_MS.NoTrt_B
BIN3	0.24984	0.57821	0.301	0.37	1 MS.Trt_vs_MS.NoTrt_B
SCLY	0.24994	0.4005	0.885	0.96	1 MS.Trt_vs_MS.NoTrt_B
LCOR	0.2501	0.35693	0.322	0.37	1 MS.Trt_vs_MS.NoTrt_B
CLIP2	0.25038	0.45981	0.255	0.32	1 MS.Trt_vs_MS.NoTrt_B
WNK3	0.25157	0.85963	0.222	0.27	1 MS.Trt_vs_MS.NoTrt_B
TELO2	0.2516	0.33164	0.078	0.11	1 MS.Trt_vs_MS.NoTrt_B
CRNKL1	0.25167	-0.3255	0.081	0.11	1 MS.Trt_vs_MS.NoTrt_B
PGD	0.25172	-0.2996	0.1	0.13	1 MS.Trt_vs_MS.NoTrt_B
CDC73	0.25235	0.73703	0.473	0.54	1 MS.Trt_vs_MS.NoTrt_B
CREBZF	0.25337	0.63803	0.153	0.19	1 MS.Trt_vs_MS.NoTrt_B
NOG	0.25398	2.1113	0.216	0.19	1 MS.Trt_vs_MS.NoTrt_B
ELF4	0.25484	0.54624	0.111	0.15	1 MS.Trt_vs_MS.NoTrt_B
ARFGAP1	0.25495	-0.2678	0.092	0.12	1 MS.Trt_vs_MS.NoTrt_B
MFSD9	0.25575	-1.0135	0.418	0.47	1 MS.Trt_vs_MS.NoTrt_B
HSPG2	0.25584	-0.7849	0.307	0.26	1 MS.Trt_vs_MS.NoTrt_B
F5	0.25645	0.49404	0.192	0.24	1 MS.Trt_vs_MS.NoTrt_B
OVCA2	0.25677	0.61636	0.092	0.12	1 MS.Trt_vs_MS.NoTrt_B
PARP2	0.25683	-0.2602	0.292	0.34	1 MS.Trt_vs_MS.NoTrt_B
HTN3	0.25761	0.35096	0.486	0.58	1 MS.Trt_vs_MS.NoTrt_B
6-Mar	0.25786	0.75458	0.732	0.85	1 MS.Trt_vs_MS.NoTrt_B
CD47	0.25824	0.56556	0.854	0.91	1 MS.Trt_vs_MS.NoTrt_B
ZSWIM7	0.25827	0.32227	0.682	0.76	1 MS.Trt_vs_MS.NoTrt_B
CAMK1	0.25882	0.37011	0.475	0.56	1 MS.Trt_vs_MS.NoTrt_B
SEC62	0.25981	0.50728	0.379	0.44	1 MS.Trt_vs_MS.NoTrt_B
CTD-2006C1	0.26062	-0.3571	0.22	0.26	1 MS.Trt_vs_MS.NoTrt_B
CCDC90B	0.26104	0.35204	0.865	0.97	1 MS.Trt_vs_MS.NoTrt_B
LCAT	0.26134	0.30177	0.157	0.2	1 MS.Trt_vs_MS.NoTrt_B
TMEM259	0.26203	0.56309	0.081	0.11	1 MS.Trt_vs_MS.NoTrt_B
RP1L1	0.26246	0.25358	0.597	0.52	1 MS.Trt_vs_MS.NoTrt_B
IFT74	0.2626	0.47001	0.314	0.36	1 MS.Trt_vs_MS.NoTrt_B
CALD1	0.26361	-0.9368	0.139	0.18	1 MS.Trt_vs_MS.NoTrt_B
U2AF2	0.26467	0.25065	0.133	0.17	1 MS.Trt_vs_MS.NoTrt_B
RAB5A	0.26524	0.86196	0.109	0.14	1 MS.Trt_vs_MS.NoTrt_B

CHD7	0.26545	2.36033	0.397	0.51	1 MS.Trt_vs_MS.NoTrt_B
SDHB	0.26572	0.73301	0.12	0.16	1 MS.Trt_vs_MS.NoTrt_B
PRDX2	0.26623	0.36098	0.216	0.26	1 MS.Trt_vs_MS.NoTrt_B
CPNE3	0.26651	0.36043	0.196	0.23	1 MS.Trt_vs_MS.NoTrt_B
TBPL1	0.26661	0.74238	0.179	0.22	1 MS.Trt_vs_MS.NoTrt_B
NBPF3	0.26677	0.85191	0.377	0.44	1 MS.Trt_vs_MS.NoTrt_B
RPUSD3	0.26757	0.31585	0.695	0.77	1 MS.Trt_vs_MS.NoTrt_B
C9orf85	0.26781	0.28013	0.797	0.84	1 MS.Trt_vs_MS.NoTrt_B
ARF3	0.26782	0.27448	0.126	0.16	1 MS.Trt_vs_MS.NoTrt_B
TRAF3IP1	0.26817	0.40123	0.292	0.35	1 MS.Trt_vs_MS.NoTrt_B
MRPS30	0.26817	0.66528	0.259	0.32	1 MS.Trt_vs_MS.NoTrt_B
AFMID	0.26935	0.28971	0.869	0.9	1 MS.Trt_vs_MS.NoTrt_B
SMN2	0.26955	0.73239	0.804	0.7	1 MS.Trt_vs_MS.NoTrt_B
TAF6	0.26962	-0.4378	0.473	0.54	1 MS.Trt_vs_MS.NoTrt_B
NDRG4	0.26988	0.34998	0.105	0.14	1 MS.Trt_vs_MS.NoTrt_B
MEGF8	0.27013	0.54587	0.318	0.38	1 MS.Trt_vs_MS.NoTrt_B
ZNF133	0.27027	-1.1438	0.344	0.41	1 MS.Trt_vs_MS.NoTrt_B
SLF2	0.27031	0.308	0.434	0.49	1 MS.Trt_vs_MS.NoTrt_B
FAM69A	0.27129	0.97751	0.094	0.12	1 MS.Trt_vs_MS.NoTrt_B
CHM	0.27133	0.53178	0.41	0.44	1 MS.Trt_vs_MS.NoTrt_B
H6PD	0.27234	0.86174	0.684	0.83	1 MS.Trt_vs_MS.NoTrt_B
ZMYM1	0.27386	0.54037	0.453	0.51	1 MS.Trt_vs_MS.NoTrt_B
SRRD	0.27398	0.48769	0.322	0.4	1 MS.Trt_vs_MS.NoTrt_B
UBR5	0.27403	0.35991	0.697	0.81	1 MS.Trt_vs_MS.NoTrt_B
FGFR4	0.2742	0.25535	0.312	0.36	1 MS.Trt_vs_MS.NoTrt_B
CFAP36	0.27506	0.45454	0.322	0.38	1 MS.Trt_vs_MS.NoTrt_B
LARP7	0.27563	0.8535	0.185	0.23	1 MS.Trt_vs_MS.NoTrt_B
GPAA1	0.27602	0.45538	0.131	0.17	1 MS.Trt_vs_MS.NoTrt_B
UTP14C	0.27617	0.35557	0.133	0.17	1 MS.Trt_vs_MS.NoTrt_B
NLK	0.27631	1.02182	0.231	0.27	1 MS.Trt_vs_MS.NoTrt_B
SETD4	0.27637	0.6775	0.423	0.48	1 MS.Trt_vs_MS.NoTrt_B
PALLD	0.27695	-0.5339	0.257	0.3	1 MS.Trt_vs_MS.NoTrt_B
BLOC1S5	0.27704	0.34236	0.523	0.63	1 MS.Trt_vs_MS.NoTrt_B
FAM134A	0.27707	0.71425	0.386	0.44	1 MS.Trt_vs_MS.NoTrt_B
MT-ATP6	0.27715	0.28695	0.797	0.93	1 MS.Trt_vs_MS.NoTrt_B
APOL1	0.27716	0.29023	0.588	0.65	1 MS.Trt_vs_MS.NoTrt_B
HOOK2	0.27721	0.43745	0.911	0.96	1 MS.Trt_vs_MS.NoTrt_B
CHP1	0.27724	0.72516	0.675	0.77	1 MS.Trt_vs_MS.NoTrt_B
PITPNB	0.27764	0.6346	0.166	0.21	1 MS.Trt_vs_MS.NoTrt_B
IFI44L	0.27851	-0.5344	0.133	0.16	1 MS.Trt_vs_MS.NoTrt_B

SLC9A6	0.27865	0.44696	0.294	0.34	1 MS.Trt_vs_MS.NoTrt_B
MEMO1	0.27904	0.53761	0.27	0.3	1 MS.Trt_vs_MS.NoTrt_B
GNB1L	0.27914	0.4471	0.15	0.18	1 MS.Trt_vs_MS.NoTrt_B
GOLPH3	0.27928	0.30008	0.124	0.16	1 MS.Trt_vs_MS.NoTrt_B
FLNB	0.27933	-0.5031	0.41	0.47	1 MS.Trt_vs_MS.NoTrt_B
PIPOX	0.27948	0.31879	0.451	0.52	1 MS.Trt_vs_MS.NoTrt_B
SIM1	0.28034	0.67073	0.148	0.18	1 MS.Trt_vs_MS.NoTrt_B
LRP8	0.28038	0.41559	0.381	0.47	1 MS.Trt_vs_MS.NoTrt_B
FIGNL1	0.28042	-0.8171	0.105	0.14	1 MS.Trt_vs_MS.NoTrt_B
DUSP7	0.2806	0.25438	0.087	0.11	1 MS.Trt_vs_MS.NoTrt_B
ZNF625	0.28087	-0.3046	0.216	0.25	1 MS.Trt_vs_MS.NoTrt_B
CD3EAP	0.28094	0.50793	0.784	0.71	1 MS.Trt_vs_MS.NoTrt_B
PSMG1	0.28129	0.52078	0.113	0.15	1 MS.Trt_vs_MS.NoTrt_B
NOP2	0.28231	0.63386	0.331	0.38	1 MS.Trt_vs_MS.NoTrt_B
KLHL9	0.28299	0.92786	0.277	0.34	1 MS.Trt_vs_MS.NoTrt_B
AGPAT1	0.28361	-0.2648	0.083	0.11	1 MS.Trt_vs_MS.NoTrt_B
SLC39A11	0.28369	0.65938	0.209	0.25	1 MS.Trt_vs_MS.NoTrt_B
CYC1	0.28429	0.49935	0.113	0.15	1 MS.Trt_vs_MS.NoTrt_B
TCEB3	0.28606	0.68448	0.076	0.1	1 MS.Trt_vs_MS.NoTrt_B
TMSB15B	0.28631	-0.4326	0.22	0.27	1 MS.Trt_vs_MS.NoTrt_B
EXOSC6	0.28736	0.4349	0.815	0.88	1 MS.Trt_vs_MS.NoTrt_B
NSUN5	0.28807	1.33203	0.279	0.35	1 MS.Trt_vs_MS.NoTrt_B
CTRL	0.28811	0.49693	0.096	0.12	1 MS.Trt_vs_MS.NoTrt_B
PSMD1	0.29048	0.32001	0.15	0.18	1 MS.Trt_vs_MS.NoTrt_B
GGT1	0.29061	-0.7112	0.083	0.11	1 MS.Trt_vs_MS.NoTrt_B
FUK	0.29145	-0.3411	0.434	0.49	1 MS.Trt_vs_MS.NoTrt_B
ZNF302	0.29166	0.76205	0.418	0.35	1 MS.Trt_vs_MS.NoTrt_B
PIGW	0.29222	-0.5453	0.41	0.38	1 MS.Trt_vs_MS.NoTrt_B
ZNF708	0.29224	0.72607	0.68	0.75	1 MS.Trt_vs_MS.NoTrt_B
HAVCR2	0.29382	0.5387	0.429	0.52	1 MS.Trt_vs_MS.NoTrt_B
PIAS3	0.29429	0.29687	0.111	0.14	1 MS.Trt_vs_MS.NoTrt_B
NEK7	0.29503	0.62233	0.087	0.11	1 MS.Trt_vs_MS.NoTrt_B
RUNDC1	0.29506	0.38903	0.625	0.69	1 MS.Trt_vs_MS.NoTrt_B
LSM1	0.29538	0.27319	0.092	0.12	1 MS.Trt_vs_MS.NoTrt_B
PER2	0.29552	0.62231	0.401	0.47	1 MS.Trt_vs_MS.NoTrt_B
ADAMTSL3	0.29574	0.29543	0.863	0.98	1 MS.Trt_vs_MS.NoTrt_B
PSD	0.29605	0.32846	0.078	0.11	1 MS.Trt_vs_MS.NoTrt_B
KCTD9	0.29615	-0.4792	0.146	0.18	1 MS.Trt_vs_MS.NoTrt_B
TSPYL1	0.29623	0.64028	0.471	0.56	1 MS.Trt_vs_MS.NoTrt_B
FAM107B	0.29773	0.57986	0.272	0.32	1 MS.Trt_vs_MS.NoTrt_B

VAMP4	0.29795	0.93474	0.139	0.17	1	MS.Trt_vs_MS.NoTrt_B
HIST2H4B	0.29969	0.7075	0.118	0.15	1	MS.Trt_vs_MS.NoTrt_B
TFEB	0.29998	-0.7781	0.388	0.43	1	MS.Trt_vs_MS.NoTrt_B
GPX2	0.3018	-0.6988	0.168	0.2	1	MS.Trt_vs_MS.NoTrt_B
CAAP1	0.3035	0.93013	0.081	0.11	1	MS.Trt_vs_MS.NoTrt_B
RP11-500M8	0.30416	1.11045	0.102	0.14	1	MS.Trt_vs_MS.NoTrt_B
COX15	0.30506	0.30254	0.464	0.51	1	MS.Trt_vs_MS.NoTrt_B
MYH7B	0.30591	-0.3385	0.678	0.78	1	MS.Trt_vs_MS.NoTrt_B
FUT3	0.3072	0.28679	0.174	0.22	1	MS.Trt_vs_MS.NoTrt_B
POP5	0.3075	0.5361	0.551	0.62	1	MS.Trt_vs_MS.NoTrt_B
CTCF	0.30763	0.29619	0.098	0.12	1	MS.Trt_vs_MS.NoTrt_B
ITPRIPL2	0.30891	0.29058	0.492	0.55	1	MS.Trt_vs_MS.NoTrt_B
NCOR2	0.30908	0.33323	0.264	0.31	1	MS.Trt_vs_MS.NoTrt_B
BUB1B	0.31018	-0.3473	0.298	0.34	1	MS.Trt_vs_MS.NoTrt_B
TMEM229B	0.31032	0.91285	0.155	0.19	1	MS.Trt_vs_MS.NoTrt_B
CYP17A1	0.3105	0.35141	0.207	0.18	1	MS.Trt_vs_MS.NoTrt_B
INSIG2	0.31083	0.27888	0.078	0.1	1	MS.Trt_vs_MS.NoTrt_B
ZNF718	0.31215	0.37649	0.198	0.24	1	MS.Trt_vs_MS.NoTrt_B
ARFIP2	0.31307	-0.5896	0.373	0.42	1	MS.Trt_vs_MS.NoTrt_B
PAXBP1	0.31395	0.81603	0.137	0.17	1	MS.Trt_vs_MS.NoTrt_B
ANKRD36B	0.31405	0.44194	0.577	0.64	1	MS.Trt_vs_MS.NoTrt_B
SNX3	0.31467	0.9487	0.109	0.14	1	MS.Trt_vs_MS.NoTrt_B
PRIM1	0.31508	0.28496	0.12	0.15	1	MS.Trt_vs_MS.NoTrt_B
PKN2	0.31518	0.42774	0.275	0.32	1	MS.Trt_vs_MS.NoTrt_B
ZNF726	0.31584	0.56754	0.739	0.84	1	MS.Trt_vs_MS.NoTrt_B
NIPSNAP1	0.31617	-0.2845	0.316	0.35	1	MS.Trt_vs_MS.NoTrt_B
SPP2	0.31678	0.31446	0.569	0.68	1	MS.Trt_vs_MS.NoTrt_B
THEM4	0.31693	0.43641	0.717	0.81	1	MS.Trt_vs_MS.NoTrt_B
RPP21	0.31731	0.50993	0.124	0.16	1	MS.Trt_vs_MS.NoTrt_B
NCOA7	0.31754	0.32455	0.636	0.74	1	MS.Trt_vs_MS.NoTrt_B
PRMT8	0.31785	0.81354	0.17	0.21	1	MS.Trt_vs_MS.NoTrt_B
CXCR4	0.31789	0.83418	0.142	0.11	1	MS.Trt_vs_MS.NoTrt_B
ATP7A	0.31838	0.76443	0.314	0.28	1	MS.Trt_vs_MS.NoTrt_B
NUDT14	0.32024	0.76988	0.379	0.48	1	MS.Trt_vs_MS.NoTrt_B
PKD1	0.32025	1.45174	0.333	0.38	1	MS.Trt_vs_MS.NoTrt_B
FN1	0.32121	0.89676	0.309	0.36	1	MS.Trt_vs_MS.NoTrt_B
ZNF385D	0.32134	0.26646	0.242	0.29	1	MS.Trt_vs_MS.NoTrt_B
MSL2	0.3222	0.51934	0.109	0.14	1	MS.Trt_vs_MS.NoTrt_B
SGPP2	0.32277	0.67585	0.253	0.28	1	MS.Trt_vs_MS.NoTrt_B
DOCK6	0.32356	0.37642	0.451	0.55	1	MS.Trt_vs_MS.NoTrt_B

COQ10A	0.32361	0.87358	0.401	0.47	1 MS.Trt_vs_MS.NoTrt_B
TLE3	0.32391	0.88676	0.153	0.19	1 MS.Trt_vs_MS.NoTrt_B
CCDC93	0.32472	-0.5883	0.1	0.12	1 MS.Trt_vs_MS.NoTrt_B
ZNF439	0.32542	0.69996	0.549	0.58	1 MS.Trt_vs_MS.NoTrt_B
NPIPB6	0.32543	-0.3166	0.166	0.2	1 MS.Trt_vs_MS.NoTrt_B
MLF1	0.32712	0.82396	0.253	0.29	1 MS.Trt_vs_MS.NoTrt_B
ZNF780B	0.32811	0.65351	0.532	0.6	1 MS.Trt_vs_MS.NoTrt_B
STK25	0.32838	0.40658	0.601	0.71	1 MS.Trt_vs_MS.NoTrt_B
STAU1	0.32971	0.36595	0.325	0.36	1 MS.Trt_vs_MS.NoTrt_B
ESF1	0.32972	0.49206	0.094	0.12	1 MS.Trt_vs_MS.NoTrt_B
SLC39A9	0.33043	-0.2883	0.124	0.15	1 MS.Trt_vs_MS.NoTrt_B
CADM1	0.33057	1.29772	0.2	0.17	1 MS.Trt_vs_MS.NoTrt_B
ATP5L2	0.33183	0.32185	0.255	0.23	1 MS.Trt_vs_MS.NoTrt_B
DICER1	0.33193	1.29329	0.131	0.16	1 MS.Trt_vs_MS.NoTrt_B
SPATA31A7	0.33353	0.28241	0.425	0.45	1 MS.Trt_vs_MS.NoTrt_B
PHPT1	0.33427	0.41165	0.109	0.14	1 MS.Trt_vs_MS.NoTrt_B
ITPR3	0.33459	0.55938	0.118	0.15	1 MS.Trt_vs_MS.NoTrt_B
TOP2B	0.33483	0.38616	0.198	0.23	1 MS.Trt_vs_MS.NoTrt_B
TONSL	0.33624	0.45531	0.54	0.62	1 MS.Trt_vs_MS.NoTrt_B
SMUG1	0.33624	0.65606	0.582	0.7	1 MS.Trt_vs_MS.NoTrt_B
SF3A2	0.33625	0.59421	0.296	0.34	1 MS.Trt_vs_MS.NoTrt_B
MIER1	0.3364	1.03841	0.597	0.75	1 MS.Trt_vs_MS.NoTrt_B
FRK	0.33663	0.29573	0.946	1	1 MS.Trt_vs_MS.NoTrt_B
TM9SF3	0.33796	0.9687	0.107	0.14	1 MS.Trt_vs_MS.NoTrt_B
TOR1B	0.33835	1.23549	0.144	0.11	1 MS.Trt_vs_MS.NoTrt_B
NOTCH2NL	0.33861	0.65237	0.146	0.18	1 MS.Trt_vs_MS.NoTrt_B
HSPE1	0.33929	0.96845	0.242	0.29	1 MS.Trt_vs_MS.NoTrt_B
ZNF688	0.33957	0.93685	0.479	0.42	1 MS.Trt_vs_MS.NoTrt_B
NBPF10	0.33971	0.95003	0.2	0.17	1 MS.Trt_vs_MS.NoTrt_B
ALDH1B1	0.34039	0.77745	0.495	0.59	1 MS.Trt_vs_MS.NoTrt_B
COMMD8	0.34059	0.54068	0.083	0.11	1 MS.Trt_vs_MS.NoTrt_B
DCAF1	0.34061	0.46319	0.17	0.21	1 MS.Trt_vs_MS.NoTrt_B
AKR1B1	0.34062	0.38085	0.669	0.75	1 MS.Trt_vs_MS.NoTrt_B
GTF2H2	0.34124	-0.2621	0.817	0.89	1 MS.Trt_vs_MS.NoTrt_B
OSGEPL1	0.34131	0.67227	0.257	0.31	1 MS.Trt_vs_MS.NoTrt_B
TTC38	0.34169	-1.2052	0.359	0.42	1 MS.Trt_vs_MS.NoTrt_B
FAM21C	0.34182	0.51184	0.183	0.22	1 MS.Trt_vs_MS.NoTrt_B
TMPRSS3	0.34194	0.83798	0.292	0.33	1 MS.Trt_vs_MS.NoTrt_B
SCYL3	0.34196	0.57276	0.575	0.64	1 MS.Trt_vs_MS.NoTrt_B
KIAA1683	0.34227	0.33743	0.497	0.61	1 MS.Trt_vs_MS.NoTrt_B

SLFN11	0.34341	-0.4405	0.207	0.24	1 MS.Trt_vs_MS.NoTrt_B
KPTN	0.34444	-0.3823	0.174	0.22	1 MS.Trt_vs_MS.NoTrt_B
CCNG2	0.34517	0.77685	0.246	0.29	1 MS.Trt_vs_MS.NoTrt_B
ELP4	0.34541	0.58761	0.438	0.5	1 MS.Trt_vs_MS.NoTrt_B
NUP35	0.34569	-0.3641	0.427	0.5	1 MS.Trt_vs_MS.NoTrt_B
NDUFV3	0.34656	0.42908	0.904	0.97	1 MS.Trt_vs_MS.NoTrt_B
CCT5	0.34694	0.3681	0.155	0.19	1 MS.Trt_vs_MS.NoTrt_B
ZC3H10	0.34697	0.35425	0.416	0.48	1 MS.Trt_vs_MS.NoTrt_B
PDPN	0.34725	0.28879	0.436	0.42	1 MS.Trt_vs_MS.NoTrt_B
TBCD	0.34769	0.32565	0.159	0.19	1 MS.Trt_vs_MS.NoTrt_B
MAGEH1	0.3478	0.29385	0.089	0.11	1 MS.Trt_vs_MS.NoTrt_B
ARMC6	0.34808	0.31231	0.24	0.28	1 MS.Trt_vs_MS.NoTrt_B
SBNO1	0.3484	0.3208	0.558	0.6	1 MS.Trt_vs_MS.NoTrt_B
TBP	0.34938	0.43366	0.312	0.35	1 MS.Trt_vs_MS.NoTrt_B
ACP1	0.34967	0.70596	0.285	0.35	1 MS.Trt_vs_MS.NoTrt_B
MBD6	0.35042	0.33825	0.153	0.18	1 MS.Trt_vs_MS.NoTrt_B
QTRT2	0.35105	-0.4091	0.658	0.79	1 MS.Trt_vs_MS.NoTrt_B
RDH11	0.35108	0.34518	0.442	0.48	1 MS.Trt_vs_MS.NoTrt_B
KMT2D	0.35145	0.41732	0.741	0.83	1 MS.Trt_vs_MS.NoTrt_B
NR3C1	0.35211	0.25893	0.168	0.2	1 MS.Trt_vs_MS.NoTrt_B
COX10	0.35265	0.72428	0.094	0.12	1 MS.Trt_vs_MS.NoTrt_B
GTF2E1	0.35288	0.35835	0.192	0.22	1 MS.Trt_vs_MS.NoTrt_B
PEX7	0.35339	-0.7819	0.12	0.15	1 MS.Trt_vs_MS.NoTrt_B
DNAH17	0.35367	0.28756	0.246	0.28	1 MS.Trt_vs_MS.NoTrt_B
KCNE4	0.3546	0.33756	0.734	0.87	1 MS.Trt_vs_MS.NoTrt_B
TRIM46	0.35463	-0.3652	0.375	0.44	1 MS.Trt_vs_MS.NoTrt_B
CREM	0.3562	0.86119	0.157	0.13	1 MS.Trt_vs_MS.NoTrt_B
C19orf54	0.3563	0.34953	0.394	0.46	1 MS.Trt_vs_MS.NoTrt_B
PTPN23	0.35631	1.10486	0.102	0.08	1 MS.Trt_vs_MS.NoTrt_B
INF2	0.35672	0.77289	0.179	0.22	1 MS.Trt_vs_MS.NoTrt_B
ITSN1	0.35762	0.73627	0.767	0.85	1 MS.Trt_vs_MS.NoTrt_B
SLC4A7	0.35829	0.38545	0.264	0.3	1 MS.Trt_vs_MS.NoTrt_B
C3orf49	0.35889	0.69849	0.259	0.3	1 MS.Trt_vs_MS.NoTrt_B
SNAPC3	0.35897	0.4648	0.495	0.55	1 MS.Trt_vs_MS.NoTrt_B
CCDC144A	0.35944	0.86804	0.749	0.84	1 MS.Trt_vs_MS.NoTrt_B
GARNL3	0.35952	0.75174	0.131	0.16	1 MS.Trt_vs_MS.NoTrt_B
FANCA	0.35974	-0.327	0.253	0.28	1 MS.Trt_vs_MS.NoTrt_B
MYL6B	0.35981	0.62817	0.458	0.51	1 MS.Trt_vs_MS.NoTrt_B
GAPVD1	0.36032	0.45028	0.73	0.88	1 MS.Trt_vs_MS.NoTrt_B
SGCB	0.36044	0.27599	0.216	0.24	1 MS.Trt_vs_MS.NoTrt_B

TNK2	0.3608	0.58563	0.085	0.11	1	MS.Trt_vs_MS.NoTrt_B
DENND5A	0.36109	1.8391	0.203	0.17	1	MS.Trt_vs_MS.NoTrt_B
OR7A5	0.3621	0.2981	0.359	0.42	1	MS.Trt_vs_MS.NoTrt_B
FAM117B	0.36252	0.76217	0.331	0.37	1	MS.Trt_vs_MS.NoTrt_B
XRCC3	0.36329	0.86494	0.342	0.38	1	MS.Trt_vs_MS.NoTrt_B
MANBA	0.36344	0.31326	0.124	0.15	1	MS.Trt_vs_MS.NoTrt_B
APPL1	0.36363	1.18085	0.355	0.41	1	MS.Trt_vs_MS.NoTrt_B
ZNF124	0.36577	0.76756	0.51	0.63	1	MS.Trt_vs_MS.NoTrt_B
FMO3	0.36591	0.43882	0.505	0.51	1	MS.Trt_vs_MS.NoTrt_B
ABCA8	0.36624	0.29625	0.353	0.32	1	MS.Trt_vs_MS.NoTrt_B
CYP7B1	0.36657	0.33107	0.359	0.42	1	MS.Trt_vs_MS.NoTrt_B
CAT	0.367	0.27974	0.109	0.14	1	MS.Trt_vs_MS.NoTrt_B
FAM19A2	0.36754	0.80554	0.185	0.22	1	MS.Trt_vs_MS.NoTrt_B
DNAH7	0.36803	0.31086	0.558	0.61	1	MS.Trt_vs_MS.NoTrt_B
HLA-DRB3	0.36832	0.92003	0.109	0.14	1	MS.Trt_vs_MS.NoTrt_B
MBD1	0.36866	0.71776	0.168	0.14	1	MS.Trt_vs_MS.NoTrt_B
SNCAIP	0.36869	0.25778	0.331	0.4	1	MS.Trt_vs_MS.NoTrt_B
KIAA0825	0.3687	0.29079	0.222	0.27	1	MS.Trt_vs_MS.NoTrt_B
MRPL14	0.36922	0.55672	0.085	0.11	1	MS.Trt_vs_MS.NoTrt_B
COG6	0.36929	0.42954	0.096	0.12	1	MS.Trt_vs_MS.NoTrt_B
PFKFB2	0.36938	0.52501	0.157	0.2	1	MS.Trt_vs_MS.NoTrt_B
TMEM256-P	0.36942	0.46867	0.481	0.62	1	MS.Trt_vs_MS.NoTrt_B
TRADD	0.37174	0.25695	0.168	0.2	1	MS.Trt_vs_MS.NoTrt_B
ZNF138	0.37177	1.27876	0.081	0.1	1	MS.Trt_vs_MS.NoTrt_B
FSIP2	0.3731	0.32092	0.645	0.76	1	MS.Trt_vs_MS.NoTrt_B
UBE2A	0.37401	0.636	0.288	0.32	1	MS.Trt_vs_MS.NoTrt_B
RBM45	0.37436	0.80521	0.081	0.1	1	MS.Trt_vs_MS.NoTrt_B
ZRSR2	0.37453	0.46978	0.63	0.76	1	MS.Trt_vs_MS.NoTrt_B
CYB561D1	0.37495	-0.2594	0.325	0.37	1	MS.Trt_vs_MS.NoTrt_B
PTAFR	0.37564	0.26566	0.523	0.61	1	MS.Trt_vs_MS.NoTrt_B
TIMM8B	0.37571	0.52452	0.089	0.11	1	MS.Trt_vs_MS.NoTrt_B
ECI2	0.37608	0.2696	0.519	0.58	1	MS.Trt_vs_MS.NoTrt_B
ZMAT3	0.37614	0.76589	0.499	0.6	1	MS.Trt_vs_MS.NoTrt_B
GPR161	0.37714	-0.2936	0.368	0.42	1	MS.Trt_vs_MS.NoTrt_B
TBC1D24	0.37838	0.96245	0.599	0.68	1	MS.Trt_vs_MS.NoTrt_B
SLC1A4	0.37847	0.49539	0.495	0.61	1	MS.Trt_vs_MS.NoTrt_B
MFSD11	0.3795	-0.316	0.377	0.42	1	MS.Trt_vs_MS.NoTrt_B
EXT2	0.3799	-0.2945	0.111	0.14	1	MS.Trt_vs_MS.NoTrt_B
TBL3	0.37999	0.32593	0.233	0.27	1	MS.Trt_vs_MS.NoTrt_B
ITGB8	0.38012	0.69905	0.636	0.71	1	MS.Trt_vs_MS.NoTrt_B

DBNDD1	0.38019	-0.5857	0.122	0.15	1 MS.Trt_vs_MS.NoTrt_B
PRKD3	0.38051	0.60996	0.294	0.32	1 MS.Trt_vs_MS.NoTrt_B
PPIL4	0.38123	0.95487	0.185	0.22	1 MS.Trt_vs_MS.NoTrt_B
SGF29	0.38129	0.34789	0.224	0.26	1 MS.Trt_vs_MS.NoTrt_B
BAIAP2L1	0.38162	0.54066	0.405	0.46	1 MS.Trt_vs_MS.NoTrt_B
ZMYM5	0.38171	0.3401	0.179	0.21	1 MS.Trt_vs_MS.NoTrt_B
DHRS7B	0.38206	0.43393	0.416	0.47	1 MS.Trt_vs_MS.NoTrt_B
SYNC	0.38228	0.85986	0.12	0.15	1 MS.Trt_vs_MS.NoTrt_B
BRAF	0.38254	0.79457	0.107	0.14	1 MS.Trt_vs_MS.NoTrt_B
LINC00094	0.38373	1.15596	0.399	0.46	1 MS.Trt_vs_MS.NoTrt_B
FAIM	0.38424	1.06078	0.32	0.37	1 MS.Trt_vs_MS.NoTrt_B
MRPS10	0.38488	0.28349	0.407	0.43	1 MS.Trt_vs_MS.NoTrt_B
CAGE1	0.38521	0.47411	0.253	0.3	1 MS.Trt_vs_MS.NoTrt_B
TCF20	0.38674	0.32057	0.109	0.14	1 MS.Trt_vs_MS.NoTrt_B
ZNF347	0.38737	-0.3312	0.817	0.9	1 MS.Trt_vs_MS.NoTrt_B
KIAA0513	0.3877	-1.0127	0.521	0.56	1 MS.Trt_vs_MS.NoTrt_B
ZFHX3	0.38881	0.26597	0.1	0.12	1 MS.Trt_vs_MS.NoTrt_B
ASPSCR1	0.38888	-0.6892	0.558	0.61	1 MS.Trt_vs_MS.NoTrt_B
USP9Y	0.38945	-0.6349	0.222	0.25	1 MS.Trt_vs_MS.NoTrt_B
JUN	0.39026	0.82168	0.142	0.12	1 MS.Trt_vs_MS.NoTrt_B
DYRK1A	0.39032	0.36355	0.601	0.68	1 MS.Trt_vs_MS.NoTrt_B
PITPNC1	0.39099	0.49146	0.17	0.2	1 MS.Trt_vs_MS.NoTrt_B
PAEP	0.39121	1.10711	0.349	0.34	1 MS.Trt_vs_MS.NoTrt_B
SULT1B1	0.39134	0.3002	0.852	0.96	1 MS.Trt_vs_MS.NoTrt_B
PDCL3	0.39257	0.33222	0.092	0.11	1 MS.Trt_vs_MS.NoTrt_B
PRKCE	0.39259	0.40296	0.094	0.12	1 MS.Trt_vs_MS.NoTrt_B
NR4A2	0.39315	1.38497	0.089	0.11	1 MS.Trt_vs_MS.NoTrt_B
ZNF559	0.39346	0.43711	0.584	0.69	1 MS.Trt_vs_MS.NoTrt_B
PPP1R15B	0.39512	-0.6616	0.261	0.28	1 MS.Trt_vs_MS.NoTrt_B
ZNF451	0.39592	0.39611	0.673	0.71	1 MS.Trt_vs_MS.NoTrt_B
SESN1	0.39718	0.33102	0.15	0.18	1 MS.Trt_vs_MS.NoTrt_B
ZNF574	0.39776	0.66629	0.292	0.27	1 MS.Trt_vs_MS.NoTrt_B
PNPLA1	0.39838	0.25184	0.248	0.23	1 MS.Trt_vs_MS.NoTrt_B
MTMR4	0.39899	0.48561	0.196	0.23	1 MS.Trt_vs_MS.NoTrt_B
FAM217B	0.39928	0.5932	0.288	0.35	1 MS.Trt_vs_MS.NoTrt_B
CTNND1	0.39992	0.47135	0.246	0.3	1 MS.Trt_vs_MS.NoTrt_B
STIL	0.40073	1.10427	0.503	0.55	1 MS.Trt_vs_MS.NoTrt_B
ABCD3	0.40116	-0.4278	0.102	0.12	1 MS.Trt_vs_MS.NoTrt_B
THEMIS	0.40123	0.63694	0.183	0.16	1 MS.Trt_vs_MS.NoTrt_B
CAPZA1	0.40401	0.81123	0.813	0.9	1 MS.Trt_vs_MS.NoTrt_B



ITGA4	0.40454	0.97094	0.192	0.17	1 MS.Trt_vs_MS.NoTrt_B
SERINC5	0.40465	0.50888	0.852	0.89	1 MS.Trt_vs_MS.NoTrt_B
ASTN2	0.40507	0.39442	0.834	0.95	1 MS.Trt_vs_MS.NoTrt_B
PTGES3L	0.40525	0.32169	0.743	0.82	1 MS.Trt_vs_MS.NoTrt_B
EHBP1	0.4054	1.13273	0.34	0.38	1 MS.Trt_vs_MS.NoTrt_B
PLEKHG5	0.40771	0.76021	0.115	0.14	1 MS.Trt_vs_MS.NoTrt_B
RNF157	0.40778	0.93811	0.501	0.56	1 MS.Trt_vs_MS.NoTrt_B
WDR31	0.40802	0.34123	0.717	0.81	1 MS.Trt_vs_MS.NoTrt_B
PCYT1A	0.40812	-0.256	0.438	0.5	1 MS.Trt_vs_MS.NoTrt_B
GNLY	0.40833	0.53801	0.166	0.2	1 MS.Trt_vs_MS.NoTrt_B
FCGR2A	0.40864	0.70155	0.137	0.16	1 MS.Trt_vs_MS.NoTrt_B
CDNF	0.40923	1.51182	0.118	0.14	1 MS.Trt_vs_MS.NoTrt_B
FKTN	0.4096	0.80533	0.118	0.14	1 MS.Trt_vs_MS.NoTrt_B
ZIK1	0.40961	-0.6287	0.253	0.28	1 MS.Trt_vs_MS.NoTrt_B
LECT2	0.41	0.30143	0.094	0.12	1 MS.Trt_vs_MS.NoTrt_B
GCNT2	0.41176	0.31899	0.575	0.67	1 MS.Trt_vs_MS.NoTrt_B
LRRC8D	0.41227	0.75915	0.113	0.14	1 MS.Trt_vs_MS.NoTrt_B
RP11-849H4	0.41296	0.48146	0.479	0.51	1 MS.Trt_vs_MS.NoTrt_B
TMEM64	0.41309	0.33961	0.281	0.32	1 MS.Trt_vs_MS.NoTrt_B
ACRC	0.41323	-0.7665	0.336	0.37	1 MS.Trt_vs_MS.NoTrt_B
HOMER3	0.4134	-0.4	0.237	0.28	1 MS.Trt_vs_MS.NoTrt_B
PRDM5	0.41361	0.33229	0.556	0.67	1 MS.Trt_vs_MS.NoTrt_B
CARS2	0.41369	0.3315	0.647	0.77	1 MS.Trt_vs_MS.NoTrt_B
AP1G2	0.41391	0.49929	0.612	0.72	1 MS.Trt_vs_MS.NoTrt_B
RIC8B	0.41429	0.79088	0.111	0.09	1 MS.Trt_vs_MS.NoTrt_B
COLGALT1	0.41485	0.45276	0.403	0.47	1 MS.Trt_vs_MS.NoTrt_B
PTOV1	0.41579	0.42344	0.096	0.12	1 MS.Trt_vs_MS.NoTrt_B
FNTB	0.41583	-0.5435	0.118	0.14	1 MS.Trt_vs_MS.NoTrt_B
SLC2A13	0.41743	0.43689	0.27	0.31	1 MS.Trt_vs_MS.NoTrt_B
ZBTB20	0.41754	0.62786	0.678	0.74	1 MS.Trt_vs_MS.NoTrt_B
MRPL44	0.41824	-0.396	0.46	0.49	1 MS.Trt_vs_MS.NoTrt_B
IMP4	0.41829	0.3862	0.172	0.2	1 MS.Trt_vs_MS.NoTrt_B
GTF2H2C	0.41866	-0.2791	0.351	0.38	1 MS.Trt_vs_MS.NoTrt_B
ZMAT2	0.41933	0.27722	0.087	0.11	1 MS.Trt_vs_MS.NoTrt_B
SLC2A6	0.41939	-0.6663	0.19	0.22	1 MS.Trt_vs_MS.NoTrt_B
ZNF157	0.41959	0.28906	0.686	0.72	1 MS.Trt_vs_MS.NoTrt_B
MARK2	0.4196	0.30423	0.083	0.1	1 MS.Trt_vs_MS.NoTrt_B
MTF1	0.42011	0.84319	0.198	0.23	1 MS.Trt_vs_MS.NoTrt_B
ZFP30	0.42064	0.38855	0.771	0.81	1 MS.Trt_vs_MS.NoTrt_B
TMEM44	0.4214	-0.3318	0.447	0.49	1 MS.Trt_vs_MS.NoTrt_B

ERCC6L2	0.42145	0.26967	0.157	0.18	1	MS.Trt_vs_MS.NoTrt_B
ARL8B	0.42234	0.45542	0.318	0.35	1	MS.Trt_vs_MS.NoTrt_B
ZNF836	0.4235	1.24487	0.155	0.18	1	MS.Trt_vs_MS.NoTrt_B
PARK2	0.42376	0.26251	0.527	0.57	1	MS.Trt_vs_MS.NoTrt_B
FBLN5	0.42624	0.37663	0.133	0.16	1	MS.Trt_vs_MS.NoTrt_B
CAMTA2	0.42714	0.46108	0.425	0.45	1	MS.Trt_vs_MS.NoTrt_B
ADSS	0.42777	0.39831	0.139	0.17	1	MS.Trt_vs_MS.NoTrt_B
BLOC1S6	0.42805	0.30495	0.928	1	1	MS.Trt_vs_MS.NoTrt_B
PTDSS2	0.42815	-0.3572	0.092	0.11	1	MS.Trt_vs_MS.NoTrt_B
XYLT1	0.42835	-0.2885	0.096	0.11	1	MS.Trt_vs_MS.NoTrt_B
TMEM191C	0.42842	0.32837	0.617	0.72	1	MS.Trt_vs_MS.NoTrt_B
NPIPB15	0.42896	0.35303	0.214	0.24	1	MS.Trt_vs_MS.NoTrt_B
TMEM5	0.42919	1.31936	0.386	0.45	1	MS.Trt_vs_MS.NoTrt_B
NRP1	0.42976	0.28961	0.322	0.37	1	MS.Trt_vs_MS.NoTrt_B
MT-ND6	0.43055	0.39976	0.68	0.76	1	MS.Trt_vs_MS.NoTrt_B
ARHGEF10	0.43119	0.4023	0.643	0.58	1	MS.Trt_vs_MS.NoTrt_B
CCSAP	0.43122	0.69833	0.098	0.12	1	MS.Trt_vs_MS.NoTrt_B
TMEM39A	0.43145	0.90264	0.087	0.11	1	MS.Trt_vs_MS.NoTrt_B
TFPI	0.43214	0.29355	0.843	0.98	1	MS.Trt_vs_MS.NoTrt_B
BCDIN3D	0.43223	-0.3543	0.275	0.24	1	MS.Trt_vs_MS.NoTrt_B
SMAD1	0.43328	0.4776	0.285	0.27	1	MS.Trt_vs_MS.NoTrt_B
ZNF100	0.43352	0.57638	0.745	0.82	1	MS.Trt_vs_MS.NoTrt_B
CAMKK1	0.43401	0.91468	0.161	0.2	1	MS.Trt_vs_MS.NoTrt_B
IPO7	0.43484	0.96905	0.318	0.36	1	MS.Trt_vs_MS.NoTrt_B
DNAJC24	0.43579	0.30716	0.612	0.68	1	MS.Trt_vs_MS.NoTrt_B
CCDC170	0.43758	0.53862	0.307	0.28	1	MS.Trt_vs_MS.NoTrt_B
SPTLC2	0.43874	-0.5927	0.586	0.6	1	MS.Trt_vs_MS.NoTrt_B
AGXT	0.43935	0.3648	0.527	0.64	1	MS.Trt_vs_MS.NoTrt_B
B3GAT2	0.43966	0.27385	0.15	0.12	1	MS.Trt_vs_MS.NoTrt_B
TMEM45A	0.44073	0.26492	0.95	1	1	MS.Trt_vs_MS.NoTrt_B
STXBP3	0.44106	0.31063	0.542	0.52	1	MS.Trt_vs_MS.NoTrt_B
METTL16	0.44168	0.44189	0.662	0.69	1	MS.Trt_vs_MS.NoTrt_B
STON1	0.44241	0.35632	0.277	0.31	1	MS.Trt_vs_MS.NoTrt_B
CD300LG	0.44282	0.45439	0.359	0.36	1	MS.Trt_vs_MS.NoTrt_B
CACNB3	0.44339	0.6979	0.458	0.56	1	MS.Trt_vs_MS.NoTrt_B
TIMP2	0.44361	0.6663	0.131	0.16	1	MS.Trt_vs_MS.NoTrt_B
GNG7	0.44392	0.41085	0.29	0.35	1	MS.Trt_vs_MS.NoTrt_B
MED6	0.44434	0.36421	0.442	0.48	1	MS.Trt_vs_MS.NoTrt_B
C6orf25	0.44449	0.25191	0.366	0.42	1	MS.Trt_vs_MS.NoTrt_B
MRPL27	0.44536	0.62316	0.142	0.17	1	MS.Trt_vs_MS.NoTrt_B

PLCL1	0.4454	0.47962	0.111	0.13	1 MS.Trt_vs_MS.NoTrt_B
MAN2A2	0.4462	0.70403	0.214	0.25	1 MS.Trt_vs_MS.NoTrt_B
FGFR1	0.44621	0.64047	0.71	0.78	1 MS.Trt_vs_MS.NoTrt_B
RAD52	0.44757	0.27029	0.244	0.27	1 MS.Trt_vs_MS.NoTrt_B
XKR8	0.44759	-0.7553	0.122	0.14	1 MS.Trt_vs_MS.NoTrt_B
IFI27	0.44887	0.26685	0.292	0.34	1 MS.Trt_vs_MS.NoTrt_B
ZFAND6	0.44931	0.42402	0.155	0.18	1 MS.Trt_vs_MS.NoTrt_B
RHEB	0.45246	0.6169	0.122	0.15	1 MS.Trt_vs_MS.NoTrt_B
TERF2	0.45254	0.52529	0.782	0.84	1 MS.Trt_vs_MS.NoTrt_B
CREB3L4	0.45255	1.52125	0.331	0.4	1 MS.Trt_vs_MS.NoTrt_B
AP5S1	0.45259	-0.6595	0.747	0.81	1 MS.Trt_vs_MS.NoTrt_B
RP11-437B1	0.45266	0.88779	0.438	0.5	1 MS.Trt_vs_MS.NoTrt_B
CCDC36	0.45357	0.96926	0.251	0.29	1 MS.Trt_vs_MS.NoTrt_B
PARG	0.45485	-0.3801	0.107	0.12	1 MS.Trt_vs_MS.NoTrt_B
MON1B	0.455	0.31881	0.577	0.61	1 MS.Trt_vs_MS.NoTrt_B
TBCEL	0.45615	0.58104	0.092	0.11	1 MS.Trt_vs_MS.NoTrt_B
TNRC6B	0.45826	0.50588	0.891	1	1 MS.Trt_vs_MS.NoTrt_B
ZYG11B	0.4591	-0.2986	0.608	0.62	1 MS.Trt_vs_MS.NoTrt_B
DTD1	0.45929	0.45963	0.253	0.28	1 MS.Trt_vs_MS.NoTrt_B
CDCP1	0.46019	0.50665	0.366	0.38	1 MS.Trt_vs_MS.NoTrt_B
ADAMTS1	0.46064	0.25726	0.401	0.45	1 MS.Trt_vs_MS.NoTrt_B
TMEM38A	0.4607	0.67306	0.455	0.45	1 MS.Trt_vs_MS.NoTrt_B
ST3GAL2	0.46253	0.44007	0.863	0.97	1 MS.Trt_vs_MS.NoTrt_B
CYP4V2	0.46285	0.78709	0.601	0.69	1 MS.Trt_vs_MS.NoTrt_B
ACSL1	0.46302	0.34804	0.185	0.21	1 MS.Trt_vs_MS.NoTrt_B
POLR3D	0.46315	-0.4899	0.298	0.34	1 MS.Trt_vs_MS.NoTrt_B
MAP7D3	0.46393	-0.4053	0.429	0.49	1 MS.Trt_vs_MS.NoTrt_B
SSBP2	0.46439	0.27932	0.773	0.92	1 MS.Trt_vs_MS.NoTrt_B
SYMPK	0.46526	0.35219	0.8	0.89	1 MS.Trt_vs_MS.NoTrt_B
LY75	0.46552	-0.3258	0.477	0.47	1 MS.Trt_vs_MS.NoTrt_B
PNPLA2	0.46569	0.65137	0.133	0.16	1 MS.Trt_vs_MS.NoTrt_B
BTBD2	0.46635	1.0541	0.288	0.34	1 MS.Trt_vs_MS.NoTrt_B
TRIM35	0.46977	-0.3151	0.166	0.18	1 MS.Trt_vs_MS.NoTrt_B
OR6K3	0.47297	0.29709	0.614	0.78	1 MS.Trt_vs_MS.NoTrt_B
BLM	0.4733	0.32488	0.218	0.2	1 MS.Trt_vs_MS.NoTrt_B
RFC2	0.47515	0.52993	0.584	0.65	1 MS.Trt_vs_MS.NoTrt_B
DDX49	0.47544	-0.4568	0.12	0.14	1 MS.Trt_vs_MS.NoTrt_B
BTBD19	0.47643	0.47584	0.627	0.61	1 MS.Trt_vs_MS.NoTrt_B
H3F3B	0.4771	0.29341	0.786	0.96	1 MS.Trt_vs_MS.NoTrt_B
DAZAP2	0.48048	0.37226	0.817	0.92	1 MS.Trt_vs_MS.NoTrt_B

CNOT6	0.48089	1.33651	0.089	0.11	1 MS.Trt_vs_MS.NoTrt_B
TAF1	0.48137	0.57884	0.682	0.8	1 MS.Trt_vs_MS.NoTrt_B
RALGPS2	0.4814	0.92929	0.303	0.32	1 MS.Trt_vs_MS.NoTrt_B
HLTF	0.48256	1.12269	0.399	0.44	1 MS.Trt_vs_MS.NoTrt_B
JCHAIN	0.48297	0.49723	0.1	0.12	1 MS.Trt_vs_MS.NoTrt_B
STK17B	0.48365	0.75335	0.867	0.96	1 MS.Trt_vs_MS.NoTrt_B
TMEM17	0.4848	0.37061	0.416	0.49	1 MS.Trt_vs_MS.NoTrt_B
SEC61A2	0.48516	0.55616	0.085	0.1	1 MS.Trt_vs_MS.NoTrt_B
ZNF547	0.48583	1.41482	0.174	0.21	1 MS.Trt_vs_MS.NoTrt_B
UGCG	0.48646	0.3519	0.15	0.17	1 MS.Trt_vs_MS.NoTrt_B
NFU1	0.48702	-0.291	0.111	0.13	1 MS.Trt_vs_MS.NoTrt_B
TRIOBP	0.48732	0.96256	0.285	0.27	1 MS.Trt_vs_MS.NoTrt_B
NOMO2	0.48932	0.96327	0.153	0.18	1 MS.Trt_vs_MS.NoTrt_B
ARF6	0.48997	0.9823	0.614	0.64	1 MS.Trt_vs_MS.NoTrt_B
VRK1	0.49074	0.41683	0.179	0.2	1 MS.Trt_vs_MS.NoTrt_B
CYB5D1	0.49092	-0.772	0.111	0.13	1 MS.Trt_vs_MS.NoTrt_B
XPO4	0.49153	1.4607	0.102	0.12	1 MS.Trt_vs_MS.NoTrt_B
ZNF248	0.49189	0.63708	0.096	0.11	1 MS.Trt_vs_MS.NoTrt_B
RBMX	0.49408	0.56161	0.664	0.71	1 MS.Trt_vs_MS.NoTrt_B
GSE1	0.49452	0.62296	0.279	0.32	1 MS.Trt_vs_MS.NoTrt_B
TTLL9	0.49561	0.29591	0.27	0.24	1 MS.Trt_vs_MS.NoTrt_B
G6PC3	0.49626	0.46764	0.736	0.77	1 MS.Trt_vs_MS.NoTrt_B
SEPSECS	0.49806	0.27603	0.68	0.8	1 MS.Trt_vs_MS.NoTrt_B
CTD-2369P2	0.49863	0.46762	0.251	0.24	1 MS.Trt_vs_MS.NoTrt_B
SYF2	0.49954	0.62668	0.375	0.42	1 MS.Trt_vs_MS.NoTrt_B
GAS7	0.49999	0.40933	0.505	0.56	1 MS.Trt_vs_MS.NoTrt_B
CFAP54	0.50006	0.28553	0.802	0.96	1 MS.Trt_vs_MS.NoTrt_B
PHLDB2	0.50021	1.44714	0.366	0.41	1 MS.Trt_vs_MS.NoTrt_B
1-Mar	0.50172	1.42505	0.264	0.25	1 MS.Trt_vs_MS.NoTrt_B
FOXM1	0.50204	-0.2558	0.606	0.68	1 MS.Trt_vs_MS.NoTrt_B
CCDC192	0.50206	0.71643	0.096	0.11	1 MS.Trt_vs_MS.NoTrt_B
PLA2G4E	0.50244	0.42441	0.109	0.09	1 MS.Trt_vs_MS.NoTrt_B
ZNF257	0.50251	1.00142	0.451	0.5	1 MS.Trt_vs_MS.NoTrt_B
BAP1	0.5028	0.43084	0.275	0.24	1 MS.Trt_vs_MS.NoTrt_B
PLA2G4B	0.50402	0.77198	0.379	0.43	1 MS.Trt_vs_MS.NoTrt_B
MCM10	0.50402	0.28953	0.314	0.37	1 MS.Trt_vs_MS.NoTrt_B
FANCI	0.50416	-0.6289	0.497	0.51	1 MS.Trt_vs_MS.NoTrt_B
SRPK1	0.50432	0.32248	0.17	0.2	1 MS.Trt_vs_MS.NoTrt_B
CASS4	0.50446	0.51372	0.353	0.39	1 MS.Trt_vs_MS.NoTrt_B
SCN2B	0.5052	-0.7552	0.246	0.27	1 MS.Trt_vs_MS.NoTrt_B

TMC2	0.50608	0.30931	0.481	0.57	1 MS.Trt_vs_MS.NoTrt_B
IFI27L2	0.50623	1.15906	0.129	0.15	1 MS.Trt_vs_MS.NoTrt_B
CCDC40	0.50731	0.25476	0.741	0.75	1 MS.Trt_vs_MS.NoTrt_B
SLC30A5	0.50848	0.62422	0.643	0.71	1 MS.Trt_vs_MS.NoTrt_B
GABBR1	0.50968	0.35276	0.144	0.17	1 MS.Trt_vs_MS.NoTrt_B
ZBTB44	0.51067	0.67178	0.246	0.28	1 MS.Trt_vs_MS.NoTrt_B
MSH5	0.51112	0.36885	0.871	0.93	1 MS.Trt_vs_MS.NoTrt_B
CKAP5	0.51127	0.76418	0.105	0.12	1 MS.Trt_vs_MS.NoTrt_B
GPLD1	0.51141	-0.2594	0.634	0.63	1 MS.Trt_vs_MS.NoTrt_B
SH3RF2	0.51187	-0.8092	0.155	0.14	1 MS.Trt_vs_MS.NoTrt_B
SPTLC3	0.51282	0.51061	0.42	0.51	1 MS.Trt_vs_MS.NoTrt_B
ITIH4	0.51338	-0.8924	0.168	0.19	1 MS.Trt_vs_MS.NoTrt_B
METTL21A	0.51364	0.59876	0.863	0.97	1 MS.Trt_vs_MS.NoTrt_B
ICA1	0.51384	1.00581	0.444	0.54	1 MS.Trt_vs_MS.NoTrt_B
NAA20	0.51547	0.48483	0.135	0.16	1 MS.Trt_vs_MS.NoTrt_B
NDUFA12	0.51674	0.9463	0.22	0.27	1 MS.Trt_vs_MS.NoTrt_B
RP11-1070B	0.51732	0.66289	0.111	0.13	1 MS.Trt_vs_MS.NoTrt_B
TRAPPC3L	0.51826	0.40909	0.464	0.58	1 MS.Trt_vs_MS.NoTrt_B
FBN1	0.51902	0.26278	0.298	0.35	1 MS.Trt_vs_MS.NoTrt_B
TRIM56	0.51988	0.65433	0.889	0.98	1 MS.Trt_vs_MS.NoTrt_B
SENP1	0.52005	0.68827	0.174	0.15	1 MS.Trt_vs_MS.NoTrt_B
TPRKB	0.52117	0.37123	0.397	0.43	1 MS.Trt_vs_MS.NoTrt_B
CCR7	0.52137	0.3959	0.499	0.57	1 MS.Trt_vs_MS.NoTrt_B
HECTD3	0.52139	1.11239	0.118	0.1	1 MS.Trt_vs_MS.NoTrt_B
ST3GAL6	0.52289	0.32225	0.233	0.23	1 MS.Trt_vs_MS.NoTrt_B
TERB1	0.52402	0.27763	0.551	0.6	1 MS.Trt_vs_MS.NoTrt_B
GALNT11	0.52483	0.28542	0.37	0.38	1 MS.Trt_vs_MS.NoTrt_B
UIMC1	0.52486	0.40203	0.725	0.82	1 MS.Trt_vs_MS.NoTrt_B
LARS2	0.52519	-0.7591	0.403	0.42	1 MS.Trt_vs_MS.NoTrt_B
SAMD9	0.52522	0.40631	0.157	0.18	1 MS.Trt_vs_MS.NoTrt_B
ZCCHC10	0.52526	1.0214	0.486	0.56	1 MS.Trt_vs_MS.NoTrt_B
VPS11	0.5259	0.64064	0.712	0.79	1 MS.Trt_vs_MS.NoTrt_B
LONP1	0.52617	0.2888	0.497	0.46	1 MS.Trt_vs_MS.NoTrt_B
PITPNM2	0.52689	0.80644	0.322	0.37	1 MS.Trt_vs_MS.NoTrt_B
FAM135A	0.52696	0.58825	0.351	0.4	1 MS.Trt_vs_MS.NoTrt_B
RBFOX3	0.52702	0.27436	0.715	0.78	1 MS.Trt_vs_MS.NoTrt_B
CRY2	0.52726	0.47487	0.41	0.38	1 MS.Trt_vs_MS.NoTrt_B
DGKD	0.52761	0.44496	0.527	0.57	1 MS.Trt_vs_MS.NoTrt_B
CACNA1F	0.52907	0.27538	0.192	0.22	1 MS.Trt_vs_MS.NoTrt_B
ZNF736	0.52984	-0.5752	0.423	0.47	1 MS.Trt_vs_MS.NoTrt_B

CXorf57	0.53016	1.14679	0.109	0.09	1 MS.Trt_vs_MS.NoTrt_B
TENM1	0.5323	1.59715	0.085	0.1	1 MS.Trt_vs_MS.NoTrt_B
PRKCZ	0.53261	-0.3461	0.187	0.21	1 MS.Trt_vs_MS.NoTrt_B
C1orf50	0.53386	0.26774	0.577	0.64	1 MS.Trt_vs_MS.NoTrt_B
RNF144A	0.53396	0.49514	0.133	0.15	1 MS.Trt_vs_MS.NoTrt_B
U2SURP	0.53442	0.51002	0.292	0.34	1 MS.Trt_vs_MS.NoTrt_B
THRA	0.53701	0.69958	0.087	0.1	1 MS.Trt_vs_MS.NoTrt_B
ADHFE1	0.53714	0.46492	0.12	0.14	1 MS.Trt_vs_MS.NoTrt_B
ST20-MTHFS	0.53819	0.59285	0.085	0.1	1 MS.Trt_vs_MS.NoTrt_B
NUP155	0.53842	0.63662	0.804	0.89	1 MS.Trt_vs_MS.NoTrt_B
OXCT1	0.53949	-0.2987	0.312	0.35	1 MS.Trt_vs_MS.NoTrt_B
HAVCR1	0.54088	0.50681	0.301	0.33	1 MS.Trt_vs_MS.NoTrt_B
SMARCAD1	0.54192	0.66867	0.1	0.12	1 MS.Trt_vs_MS.NoTrt_B
NMUR1	0.54331	0.28689	0.434	0.42	1 MS.Trt_vs_MS.NoTrt_B
SLC16A5	0.54348	0.63923	0.107	0.12	1 MS.Trt_vs_MS.NoTrt_B
BTBD8	0.54374	1.26915	0.288	0.27	1 MS.Trt_vs_MS.NoTrt_B
TIGD5	0.54579	1.0604	0.155	0.17	1 MS.Trt_vs_MS.NoTrt_B
ZNF114	0.54731	0.26858	0.377	0.43	1 MS.Trt_vs_MS.NoTrt_B
ZNF622	0.54743	0.72736	0.102	0.12	1 MS.Trt_vs_MS.NoTrt_B
DHPS	0.54829	0.2822	0.224	0.25	1 MS.Trt_vs_MS.NoTrt_B
DNAJB5	0.54871	-1.3256	0.129	0.15	1 MS.Trt_vs_MS.NoTrt_B
PRR5	0.54924	0.67121	0.436	0.48	1 MS.Trt_vs_MS.NoTrt_B
ANKLE1	0.54969	0.48643	0.157	0.14	1 MS.Trt_vs_MS.NoTrt_B
MELK	0.55011	0.36854	0.423	0.48	1 MS.Trt_vs_MS.NoTrt_B
ITM2C	0.55125	0.51185	0.092	0.11	1 MS.Trt_vs_MS.NoTrt_B
PUM3	0.55329	0.35394	0.137	0.12	1 MS.Trt_vs_MS.NoTrt_B
TWISTNB	0.55411	0.66079	0.087	0.1	1 MS.Trt_vs_MS.NoTrt_B
G2E3	0.55424	0.68448	0.46	0.5	1 MS.Trt_vs_MS.NoTrt_B
RARS	0.55542	0.29649	0.414	0.43	1 MS.Trt_vs_MS.NoTrt_B
CYB5D2	0.5557	0.31271	0.346	0.4	1 MS.Trt_vs_MS.NoTrt_B
DPH3	0.55589	-0.2953	0.174	0.19	1 MS.Trt_vs_MS.NoTrt_B
EYS	0.55735	0.40714	0.634	0.77	1 MS.Trt_vs_MS.NoTrt_B
SLC12A4	0.55749	-0.5575	0.142	0.12	1 MS.Trt_vs_MS.NoTrt_B
ATG3	0.55817	0.25401	0.364	0.36	1 MS.Trt_vs_MS.NoTrt_B
SLC25A42	0.5588	0.88498	0.471	0.52	1 MS.Trt_vs_MS.NoTrt_B
TRAPPC4	0.55898	0.3594	0.837	0.92	1 MS.Trt_vs_MS.NoTrt_B
KCTD6	0.5592	0.37304	0.471	0.52	1 MS.Trt_vs_MS.NoTrt_B
NCDN	0.56249	0.43172	0.17	0.19	1 MS.Trt_vs_MS.NoTrt_B
NRDE2	0.56264	0.45205	0.695	0.72	1 MS.Trt_vs_MS.NoTrt_B
WDR75	0.56328	0.73609	0.255	0.27	1 MS.Trt_vs_MS.NoTrt_B

REEP3	0.56476	1.29932	0.381	0.43	1 MS.Trt_vs_MS.NoTrt_B
C4orf19	0.56512	0.30396	0.654	0.76	1 MS.Trt_vs_MS.NoTrt_B
DVL3	0.56644	1.30105	0.229	0.26	1 MS.Trt_vs_MS.NoTrt_B
PHF19	0.56668	0.33713	0.118	0.14	1 MS.Trt_vs_MS.NoTrt_B
BCOR	0.56734	0.76097	0.087	0.1	1 MS.Trt_vs_MS.NoTrt_B
MAP2K6	0.56785	0.94443	0.285	0.32	1 MS.Trt_vs_MS.NoTrt_B
ITM2A	0.56845	0.5543	0.237	0.22	1 MS.Trt_vs_MS.NoTrt_B
E2F6	0.56974	-0.8679	0.216	0.24	1 MS.Trt_vs_MS.NoTrt_B
STRN3	0.57006	1.03389	0.645	0.71	1 MS.Trt_vs_MS.NoTrt_B
PTRH2	0.5746	0.74765	0.107	0.12	1 MS.Trt_vs_MS.NoTrt_B
OFD1	0.57582	0.2687	0.216	0.24	1 MS.Trt_vs_MS.NoTrt_B
LSM10	0.57773	0.54727	0.111	0.1	1 MS.Trt_vs_MS.NoTrt_B
IFT88	0.57865	0.52646	0.425	0.47	1 MS.Trt_vs_MS.NoTrt_B
BOLL	0.57927	0.43324	0.142	0.13	1 MS.Trt_vs_MS.NoTrt_B
NCOA1	0.57961	0.35206	0.207	0.18	1 MS.Trt_vs_MS.NoTrt_B
ZNF696	0.58076	0.75	0.222	0.25	1 MS.Trt_vs_MS.NoTrt_B
CD226	0.58154	0.42659	0.429	0.45	1 MS.Trt_vs_MS.NoTrt_B
PLEKHA7	0.58172	0.95298	0.118	0.14	1 MS.Trt_vs_MS.NoTrt_B
FRMPD2	0.58341	0.45307	0.098	0.11	1 MS.Trt_vs_MS.NoTrt_B
IL17RC	0.5841	0.67955	0.327	0.3	1 MS.Trt_vs_MS.NoTrt_B
FAF2	0.58625	0.86289	0.098	0.11	1 MS.Trt_vs_MS.NoTrt_B
CRYGS	0.58702	1.21362	0.203	0.23	1 MS.Trt_vs_MS.NoTrt_B
ANO10	0.58723	-0.8153	0.447	0.51	1 MS.Trt_vs_MS.NoTrt_B
PDZD8	0.58783	0.79306	0.246	0.22	1 MS.Trt_vs_MS.NoTrt_B
SPG7	0.58792	0.56594	0.95	0.98	1 MS.Trt_vs_MS.NoTrt_B
SVIL	0.5882	0.32024	0.102	0.12	1 MS.Trt_vs_MS.NoTrt_B
CCDC15	0.58826	-1.2227	0.187	0.21	1 MS.Trt_vs_MS.NoTrt_B
REPS1	0.58892	0.65374	0.547	0.62	1 MS.Trt_vs_MS.NoTrt_B
GPANK1	0.58942	0.34574	0.257	0.25	1 MS.Trt_vs_MS.NoTrt_B
YPEL1	0.58952	0.30288	0.366	0.41	1 MS.Trt_vs_MS.NoTrt_B
FMN1	0.58986	0.53366	0.17	0.2	1 MS.Trt_vs_MS.NoTrt_B
MYH3	0.5899	0.30361	0.584	0.63	1 MS.Trt_vs_MS.NoTrt_B
PIK3R1	0.59033	0.54986	0.259	0.24	1 MS.Trt_vs_MS.NoTrt_B
TNFRSF10D	0.59065	0.45588	0.087	0.1	1 MS.Trt_vs_MS.NoTrt_B
IFIT3	0.59163	0.36329	0.466	0.48	1 MS.Trt_vs_MS.NoTrt_B
SC5D	0.59457	0.60985	0.468	0.51	1 MS.Trt_vs_MS.NoTrt_B
LOXL2	0.59481	0.33463	0.632	0.73	1 MS.Trt_vs_MS.NoTrt_B
CDC42	0.59669	0.51864	0.806	0.95	1 MS.Trt_vs_MS.NoTrt_B
DPY19L4	0.59804	1.3106	0.427	0.45	1 MS.Trt_vs_MS.NoTrt_B
ADRB2	0.59814	1.11585	0.166	0.16	1 MS.Trt_vs_MS.NoTrt_B

SLC13A3	0.59938	0.51067	0.285	0.28	1 MS.Trt_vs_MS.NoTrt_B
ANKRD36	0.59984	0.6261	0.673	0.66	1 MS.Trt_vs_MS.NoTrt_B
ATP6V0B	0.60163	0.38794	0.148	0.17	1 MS.Trt_vs_MS.NoTrt_B
ORC4	0.60213	0.27225	0.904	1	1 MS.Trt_vs_MS.NoTrt_B
E4F1	0.60226	0.5545	0.107	0.09	1 MS.Trt_vs_MS.NoTrt_B
PNP	0.6026	-0.6713	0.244	0.27	1 MS.Trt_vs_MS.NoTrt_B
GTF2H2C.2	0.60264	0.37705	0.248	0.27	1 MS.Trt_vs_MS.NoTrt_B
RPGRIP1L	0.60288	0.4628	0.59	0.7	1 MS.Trt_vs_MS.NoTrt_B
TCEAL8	0.6029	0.66555	0.105	0.12	1 MS.Trt_vs_MS.NoTrt_B
RPS19	0.60413	0.2588	0.913	1	1 MS.Trt_vs_MS.NoTrt_B
SIRPB1	0.60447	1.48362	0.176	0.21	1 MS.Trt_vs_MS.NoTrt_B
FNDC3B	0.60586	0.38153	0.662	0.64	1 MS.Trt_vs_MS.NoTrt_B
KHDRBS1	0.60605	0.62818	0.139	0.16	1 MS.Trt_vs_MS.NoTrt_B
EDEM3	0.61295	0.52147	0.27	0.29	1 MS.Trt_vs_MS.NoTrt_B
HAUS7	0.61299	0.93578	0.094	0.11	1 MS.Trt_vs_MS.NoTrt_B
FAM200B	0.61356	0.46497	0.307	0.34	1 MS.Trt_vs_MS.NoTrt_B
MED14	0.61488	0.78069	0.126	0.11	1 MS.Trt_vs_MS.NoTrt_B
AGBL2	0.61545	1.09508	0.218	0.25	1 MS.Trt_vs_MS.NoTrt_B
LRRC1	0.61586	-0.4053	0.209	0.22	1 MS.Trt_vs_MS.NoTrt_B
C19orf35	0.61588	0.32091	0.255	0.28	1 MS.Trt_vs_MS.NoTrt_B
MTSS1	0.61676	0.89025	0.492	0.56	1 MS.Trt_vs_MS.NoTrt_B
RP4-635E18	0.61819	0.92441	0.259	0.3	1 MS.Trt_vs_MS.NoTrt_B
DPH7	0.61879	0.38967	0.279	0.3	1 MS.Trt_vs_MS.NoTrt_B
FAM168B	0.61913	1.05798	0.089	0.1	1 MS.Trt_vs_MS.NoTrt_B
TOB1	0.61935	0.68771	0.458	0.48	1 MS.Trt_vs_MS.NoTrt_B
FAM160A2	0.62173	0.46584	0.092	0.1	1 MS.Trt_vs_MS.NoTrt_B
CRIM1	0.62218	0.9648	0.115	0.13	1 MS.Trt_vs_MS.NoTrt_B
LMNTD1	0.62257	0.25289	0.329	0.31	1 MS.Trt_vs_MS.NoTrt_B
DSEL	0.62267	0.27623	0.54	0.6	1 MS.Trt_vs_MS.NoTrt_B
CTBS	0.62277	1.09202	0.126	0.14	1 MS.Trt_vs_MS.NoTrt_B
DNAH1	0.62568	0.79659	0.12	0.11	1 MS.Trt_vs_MS.NoTrt_B
NEURL1	0.62635	0.42656	0.203	0.22	1 MS.Trt_vs_MS.NoTrt_B
CNKSR1	0.62734	-1.2978	0.137	0.15	1 MS.Trt_vs_MS.NoTrt_B
ICMT	0.62827	0.98198	0.527	0.55	1 MS.Trt_vs_MS.NoTrt_B
PIGU	0.62892	0.28606	0.092	0.1	1 MS.Trt_vs_MS.NoTrt_B
NBPF14	0.62937	0.62456	0.346	0.33	1 MS.Trt_vs_MS.NoTrt_B
TMEM182	0.62977	0.63043	0.625	0.79	1 MS.Trt_vs_MS.NoTrt_B
LENG8	0.62989	0.73266	0.603	0.75	1 MS.Trt_vs_MS.NoTrt_B
HAUS3	0.63192	0.29756	0.741	0.85	1 MS.Trt_vs_MS.NoTrt_B
UTP6	0.63303	0.41003	0.789	0.88	1 MS.Trt_vs_MS.NoTrt_B



TCERG1	0.63317	0.57357	0.246	0.28	1 MS.Trt_vs_MS.NoTrt_B
PTH2R	0.63427	0.33909	0.144	0.14	1 MS.Trt_vs_MS.NoTrt_B
LIAS	0.63436	-0.4635	0.105	0.09	1 MS.Trt_vs_MS.NoTrt_B
PEX11B	0.63466	0.44493	0.105	0.12	1 MS.Trt_vs_MS.NoTrt_B
PELP1	0.63492	0.44558	0.222	0.24	1 MS.Trt_vs_MS.NoTrt_B
CALHM2	0.63715	0.28091	0.131	0.11	1 MS.Trt_vs_MS.NoTrt_B
USP31	0.63738	0.68105	0.094	0.11	1 MS.Trt_vs_MS.NoTrt_B
RYR3	0.63795	-0.3059	0.388	0.38	1 MS.Trt_vs_MS.NoTrt_B
INTS7	0.63832	1.08711	0.377	0.36	1 MS.Trt_vs_MS.NoTrt_B
SBNO2	0.6427	-0.6219	0.133	0.12	1 MS.Trt_vs_MS.NoTrt_B
RTTN	0.64289	-0.4003	0.192	0.22	1 MS.Trt_vs_MS.NoTrt_B
CC2D2B	0.64325	0.48333	0.094	0.11	1 MS.Trt_vs_MS.NoTrt_B
USP8	0.64336	0.42898	0.963	0.99	1 MS.Trt_vs_MS.NoTrt_B
ZNF236	0.6435	0.59915	0.111	0.12	1 MS.Trt_vs_MS.NoTrt_B
NBPF19	0.64452	0.40461	0.344	0.36	1 MS.Trt_vs_MS.NoTrt_B
FRMD8	0.64508	-0.2531	0.501	0.58	1 MS.Trt_vs_MS.NoTrt_B
FANCC	0.64616	-0.8816	0.214	0.22	1 MS.Trt_vs_MS.NoTrt_B
IL2ORB	0.6468	0.43972	0.194	0.22	1 MS.Trt_vs_MS.NoTrt_B
FAM174B	0.64683	-0.4612	0.109	0.1	1 MS.Trt_vs_MS.NoTrt_B
STXBP5	0.64795	0.77498	0.142	0.16	1 MS.Trt_vs_MS.NoTrt_B
GATM	0.64909	0.28559	0.192	0.18	1 MS.Trt_vs_MS.NoTrt_B
ZNF658	0.64935	1.31162	0.163	0.18	1 MS.Trt_vs_MS.NoTrt_B
SCN7A	0.65026	0.29789	0.438	0.44	1 MS.Trt_vs_MS.NoTrt_B
ZNF584	0.65068	0.48974	0.58	0.65	1 MS.Trt_vs_MS.NoTrt_B
H2AFY	0.65083	0.29128	0.2	0.22	1 MS.Trt_vs_MS.NoTrt_B
FAM110D	0.65087	0.31035	0.39	0.44	1 MS.Trt_vs_MS.NoTrt_B
ZNF610	0.65109	-0.3741	0.312	0.33	1 MS.Trt_vs_MS.NoTrt_B
EFCAB14	0.65296	0.36164	0.22	0.24	1 MS.Trt_vs_MS.NoTrt_B
OSBP2	0.65385	-0.9307	0.32	0.35	1 MS.Trt_vs_MS.NoTrt_B
R3HDM1	0.65423	0.57749	0.763	0.84	1 MS.Trt_vs_MS.NoTrt_B
LBHD1	0.6544	0.91538	0.383	0.39	1 MS.Trt_vs_MS.NoTrt_B
FGF13	0.6544	0.2538	0.817	0.95	1 MS.Trt_vs_MS.NoTrt_B
SH2D2A	0.65559	0.7924	0.155	0.15	1 MS.Trt_vs_MS.NoTrt_B
PPM1L	0.65703	-0.5725	0.187	0.2	1 MS.Trt_vs_MS.NoTrt_B
TTLL7	0.65842	0.32214	0.693	0.77	1 MS.Trt_vs_MS.NoTrt_B
ZNF660	0.65974	0.30909	0.481	0.51	1 MS.Trt_vs_MS.NoTrt_B
IFIT1	0.65994	0.4214	0.192	0.18	1 MS.Trt_vs_MS.NoTrt_B
ZNF678	0.66011	-0.9034	0.124	0.14	1 MS.Trt_vs_MS.NoTrt_B
NIPAL2	0.66025	0.65915	0.257	0.28	1 MS.Trt_vs_MS.NoTrt_B
BRD7	0.6615	1.81169	0.447	0.52	1 MS.Trt_vs_MS.NoTrt_B

OGG1	0.66231	0.47675	0.32	0.34	1 MS.Trt_vs_MS.NoTrt_B
DDX51	0.66255	-0.2947	0.553	0.6	1 MS.Trt_vs_MS.NoTrt_B
MAP3K3	0.66416	0.93422	0.148	0.14	1 MS.Trt_vs_MS.NoTrt_B
ZFYVE21	0.66591	0.7511	0.599	0.66	1 MS.Trt_vs_MS.NoTrt_B
IGF2R	0.66607	0.87844	0.338	0.32	1 MS.Trt_vs_MS.NoTrt_B
CTD-3105H1	0.66694	0.25329	0.222	0.24	1 MS.Trt_vs_MS.NoTrt_B
PABPN1	0.66703	0.91306	0.168	0.16	1 MS.Trt_vs_MS.NoTrt_B
PPT2	0.66996	-0.4116	0.427	0.51	1 MS.Trt_vs_MS.NoTrt_B
UBAP1	0.67193	0.44487	0.111	0.12	1 MS.Trt_vs_MS.NoTrt_B
TCF7L1	0.67196	0.45936	0.556	0.61	1 MS.Trt_vs_MS.NoTrt_B
ADGRG1	0.67208	0.97888	0.58	0.65	1 MS.Trt_vs_MS.NoTrt_B
KLRK1	0.67362	1.66856	0.582	0.62	1 MS.Trt_vs_MS.NoTrt_B
KMT2B	0.67372	0.61924	0.196	0.22	1 MS.Trt_vs_MS.NoTrt_B
RBPMS	0.67637	1.19329	0.092	0.1	1 MS.Trt_vs_MS.NoTrt_B
SDSL	0.67719	0.25201	0.259	0.29	1 MS.Trt_vs_MS.NoTrt_B
VSTM1	0.67853	0.31151	0.231	0.25	1 MS.Trt_vs_MS.NoTrt_B
CSMD2	0.67966	-0.2571	0.261	0.25	1 MS.Trt_vs_MS.NoTrt_B
C5orf24	0.67974	-0.6344	0.303	0.32	1 MS.Trt_vs_MS.NoTrt_B
UTP14A	0.68077	-0.352	0.15	0.16	1 MS.Trt_vs_MS.NoTrt_B
ADAM28	0.68212	0.58883	0.115	0.13	1 MS.Trt_vs_MS.NoTrt_B
FAM216A	0.68302	0.55465	0.449	0.51	1 MS.Trt_vs_MS.NoTrt_B
TP53BP1	0.68332	0.61779	0.222	0.24	1 MS.Trt_vs_MS.NoTrt_B
NPIPA5	0.68413	0.43615	0.107	0.1	1 MS.Trt_vs_MS.NoTrt_B
ABC7-42404	0.68464	-0.3225	0.59	0.63	1 MS.Trt_vs_MS.NoTrt_B
COL15A1	0.68591	0.30149	0.261	0.26	1 MS.Trt_vs_MS.NoTrt_B
TRIM36	0.68625	0.27396	0.316	0.31	1 MS.Trt_vs_MS.NoTrt_B
HDAC5	0.68668	0.35675	0.22	0.24	1 MS.Trt_vs_MS.NoTrt_B
ABCB8	0.69001	-0.7411	0.505	0.5	1 MS.Trt_vs_MS.NoTrt_B
DIRC1	0.69127	0.57553	0.139	0.13	1 MS.Trt_vs_MS.NoTrt_B
ZNF528	0.6914	0.26315	0.471	0.51	1 MS.Trt_vs_MS.NoTrt_B
RBBP6	0.69256	0.79175	0.211	0.23	1 MS.Trt_vs_MS.NoTrt_B
SLC5A5	0.69312	1.38984	0.364	0.36	1 MS.Trt_vs_MS.NoTrt_B
EI24	0.69343	0.51152	0.632	0.72	1 MS.Trt_vs_MS.NoTrt_B
FADS6	0.69347	0.3028	0.492	0.52	1 MS.Trt_vs_MS.NoTrt_B
UBE2S	0.6947	0.41924	0.571	0.66	1 MS.Trt_vs_MS.NoTrt_B
CALB1	0.69488	0.44084	0.1	0.11	1 MS.Trt_vs_MS.NoTrt_B
RNF43	0.69514	1.03536	0.279	0.27	1 MS.Trt_vs_MS.NoTrt_B
MT-CO3	0.69568	0.79005	0.59	0.72	1 MS.Trt_vs_MS.NoTrt_B
OLR1	0.69725	0.2812	0.333	0.37	1 MS.Trt_vs_MS.NoTrt_B
UBTF	0.6973	0.59257	0.209	0.2	1 MS.Trt_vs_MS.NoTrt_B

MTHFS	0.69752	1.2853	0.124	0.11	1 MS.Trt_vs_MS.NoTrt_B
XPOT	0.69804	0.74182	0.381	0.41	1 MS.Trt_vs_MS.NoTrt_B
RFX7	0.70109	0.55014	0.148	0.16	1 MS.Trt_vs_MS.NoTrt_B
ATP2A2	0.70129	0.28758	0.632	0.67	1 MS.Trt_vs_MS.NoTrt_B
ATXN2L	0.70245	0.44807	0.214	0.23	1 MS.Trt_vs_MS.NoTrt_B
TMEM143	0.70671	-0.7096	0.438	0.48	1 MS.Trt_vs_MS.NoTrt_B
GIPC1	0.70682	0.38328	0.407	0.43	1 MS.Trt_vs_MS.NoTrt_B
TUT1	0.70725	-0.4378	0.122	0.11	1 MS.Trt_vs_MS.NoTrt_B
DDI2	0.70764	0.4053	0.708	0.7	1 MS.Trt_vs_MS.NoTrt_B
RIOK2	0.7084	0.84507	0.272	0.27	1 MS.Trt_vs_MS.NoTrt_B
N4BP1	0.71178	0.77758	0.092	0.1	1 MS.Trt_vs_MS.NoTrt_B
TMEM204	0.71281	0.83447	0.139	0.13	1 MS.Trt_vs_MS.NoTrt_B
DNAJC5B	0.71284	0.2528	0.438	0.45	1 MS.Trt_vs_MS.NoTrt_B
MTMR2	0.71331	-0.3428	0.133	0.15	1 MS.Trt_vs_MS.NoTrt_B
ABCC2	0.7139	0.5666	0.444	0.51	1 MS.Trt_vs_MS.NoTrt_B
ANKRD26	0.71422	-0.757	0.105	0.11	1 MS.Trt_vs_MS.NoTrt_B
DNAJC4	0.71584	0.29143	0.105	0.11	1 MS.Trt_vs_MS.NoTrt_B
TIGD6	0.72012	1.17715	0.15	0.14	1 MS.Trt_vs_MS.NoTrt_B
FAM65C	0.72048	0.28988	0.301	0.34	1 MS.Trt_vs_MS.NoTrt_B
STEAP2	0.72516	0.37267	0.601	0.69	1 MS.Trt_vs_MS.NoTrt_B
MAB21L3	0.72615	0.39573	0.275	0.28	1 MS.Trt_vs_MS.NoTrt_B
CCDC82	0.72653	0.949	0.129	0.14	1 MS.Trt_vs_MS.NoTrt_B
HMGCR	0.72661	0.58607	0.573	0.61	1 MS.Trt_vs_MS.NoTrt_B
GRK7	0.72765	0.27962	0.261	0.27	1 MS.Trt_vs_MS.NoTrt_B
ZNF850	0.72862	0.36389	0.834	0.88	1 MS.Trt_vs_MS.NoTrt_B
TNFRSF13C	0.72903	0.95607	0.538	0.58	1 MS.Trt_vs_MS.NoTrt_B
ASB3	0.72969	0.39186	0.821	0.94	1 MS.Trt_vs_MS.NoTrt_B
SLC25A45	0.7299	0.25577	0.939	0.99	1 MS.Trt_vs_MS.NoTrt_B
PDE7B	0.73045	0.3044	0.309	0.34	1 MS.Trt_vs_MS.NoTrt_B
ROBO4	0.73113	0.29687	0.146	0.14	1 MS.Trt_vs_MS.NoTrt_B
ANKRA2	0.73197	1.02461	0.098	0.11	1 MS.Trt_vs_MS.NoTrt_B
ODF2L	0.73407	0.37212	0.865	0.92	1 MS.Trt_vs_MS.NoTrt_B
LSM2	0.73423	0.47833	0.118	0.13	1 MS.Trt_vs_MS.NoTrt_B
SPDYE2B	0.73432	0.96081	0.235	0.27	1 MS.Trt_vs_MS.NoTrt_B
KCTD13	0.73604	0.45205	0.109	0.12	1 MS.Trt_vs_MS.NoTrt_B
ST20	0.73651	0.431	0.159	0.17	1 MS.Trt_vs_MS.NoTrt_B
CASP9	0.73794	0.68668	0.264	0.28	1 MS.Trt_vs_MS.NoTrt_B
CTTNBP2NL	0.74	0.25296	0.336	0.34	1 MS.Trt_vs_MS.NoTrt_B
LLGL1	0.74082	-1.0642	0.209	0.2	1 MS.Trt_vs_MS.NoTrt_B
ZKSCAN1	0.74087	0.31884	0.863	0.92	1 MS.Trt_vs_MS.NoTrt_B

CACNB2	0.7409	0.62669	0.366	0.4	1 MS.Trt_vs_MS.NoTrt_B
TDGF1	0.7414	0.33026	0.464	0.5	1 MS.Trt_vs_MS.NoTrt_B
FAM178B	0.74207	0.28515	0.586	0.6	1 MS.Trt_vs_MS.NoTrt_B
MOSPD2	0.74217	0.51943	0.179	0.19	1 MS.Trt_vs_MS.NoTrt_B
PUS3	0.74227	-0.2717	0.301	0.32	1 MS.Trt_vs_MS.NoTrt_B
MCM4	0.74235	-0.2981	0.508	0.54	1 MS.Trt_vs_MS.NoTrt_B
ZFYVE16	0.74241	1.05478	0.826	0.88	1 MS.Trt_vs_MS.NoTrt_B
RBM44	0.74274	0.46114	0.174	0.2	1 MS.Trt_vs_MS.NoTrt_B
ORC6	0.74542	0.47326	0.911	0.97	1 MS.Trt_vs_MS.NoTrt_B
ABCA2	0.74853	1.17059	0.207	0.23	1 MS.Trt_vs_MS.NoTrt_B
TMEM221	0.75071	0.54064	0.159	0.17	1 MS.Trt_vs_MS.NoTrt_B
NOMO1	0.75076	-0.6236	0.111	0.12	1 MS.Trt_vs_MS.NoTrt_B
CPSF6	0.75366	0.69903	0.39	0.42	1 MS.Trt_vs_MS.NoTrt_B
MED11	0.75766	0.77454	0.599	0.62	1 MS.Trt_vs_MS.NoTrt_B
11-Sep	0.75955	0.71952	0.303	0.32	1 MS.Trt_vs_MS.NoTrt_B
TRAPPC13	0.76091	-0.372	0.148	0.16	1 MS.Trt_vs_MS.NoTrt_B
PIK3R4	0.76176	0.29321	0.111	0.12	1 MS.Trt_vs_MS.NoTrt_B
TBCCD1	0.76234	0.32609	0.279	0.28	1 MS.Trt_vs_MS.NoTrt_B
GIMAP5	0.76246	0.42361	0.407	0.41	1 MS.Trt_vs_MS.NoTrt_B
TMEM120B	0.76332	0.2514	0.889	0.97	1 MS.Trt_vs_MS.NoTrt_B
MRPL37	0.76514	0.51962	0.159	0.17	1 MS.Trt_vs_MS.NoTrt_B
ZDHHC2	0.76516	0.7913	0.144	0.14	1 MS.Trt_vs_MS.NoTrt_B
ZNF14	0.76692	2.74509	0.307	0.34	1 MS.Trt_vs_MS.NoTrt_B
TANC2	0.76765	1.0413	0.183	0.2	1 MS.Trt_vs_MS.NoTrt_B
FRS3	0.76814	1.76625	0.266	0.27	1 MS.Trt_vs_MS.NoTrt_B
ZKSCAN7	0.76851	-0.2521	0.516	0.53	1 MS.Trt_vs_MS.NoTrt_B
PPFIBP2	0.77079	0.47563	0.187	0.18	1 MS.Trt_vs_MS.NoTrt_B
IRAK1	0.77133	0.27661	0.166	0.17	1 MS.Trt_vs_MS.NoTrt_B
HVCN1	0.77223	0.62822	0.386	0.42	1 MS.Trt_vs_MS.NoTrt_B
RASSF3	0.77248	0.85284	0.645	0.81	1 MS.Trt_vs_MS.NoTrt_B
OSBPL6	0.77406	0.25227	0.486	0.55	1 MS.Trt_vs_MS.NoTrt_B
DIEXF	0.77475	-0.3161	0.431	0.41	1 MS.Trt_vs_MS.NoTrt_B
RRP8	0.77498	0.50582	0.458	0.47	1 MS.Trt_vs_MS.NoTrt_B
ZNF578	0.77562	0.36415	0.88	0.94	1 MS.Trt_vs_MS.NoTrt_B
WBP2NL	0.77581	0.75655	0.322	0.34	1 MS.Trt_vs_MS.NoTrt_B
KLHL7	0.77993	0.73149	0.599	0.67	1 MS.Trt_vs_MS.NoTrt_B
ATOX1	0.78006	0.43806	0.146	0.14	1 MS.Trt_vs_MS.NoTrt_B
WSB2	0.78033	0.64498	0.688	0.81	1 MS.Trt_vs_MS.NoTrt_B
ATN1	0.78053	0.38108	0.115	0.12	1 MS.Trt_vs_MS.NoTrt_B
MFSD12	0.78221	1.03298	0.22	0.23	1 MS.Trt_vs_MS.NoTrt_B

DAXX	0.78373	0.51393	0.19	0.2	1 MS.Trt_vs_MS.NoTrt_B
ZNF430	0.78395	0.61117	0.832	0.92	1 MS.Trt_vs_MS.NoTrt_B
GNE	0.78458	0.34138	0.163	0.17	1 MS.Trt_vs_MS.NoTrt_B
LRRC2	0.78466	1.05151	0.632	0.68	1 MS.Trt_vs_MS.NoTrt_B
FAXC	0.78613	0.3126	0.246	0.28	1 MS.Trt_vs_MS.NoTrt_B
DSG2	0.78688	0.26222	0.362	0.38	1 MS.Trt_vs_MS.NoTrt_B
CHID1	0.79009	0.4482	0.231	0.24	1 MS.Trt_vs_MS.NoTrt_B
TACO1	0.79016	0.49091	0.309	0.32	1 MS.Trt_vs_MS.NoTrt_B
GBA2	0.79092	0.453	0.564	0.59	1 MS.Trt_vs_MS.NoTrt_B
DUSP11	0.79171	0.43191	0.523	0.48	1 MS.Trt_vs_MS.NoTrt_B
SESN3	0.79195	1.11228	0.233	0.25	1 MS.Trt_vs_MS.NoTrt_B
ERV3-1	0.79422	-0.4345	0.438	0.45	1 MS.Trt_vs_MS.NoTrt_B
NDFIP2	0.7956	0.60003	0.111	0.12	1 MS.Trt_vs_MS.NoTrt_B
ZNF93	0.79578	0.93801	0.501	0.55	1 MS.Trt_vs_MS.NoTrt_B
SGSM2	0.79717	1.21824	0.187	0.2	1 MS.Trt_vs_MS.NoTrt_B
NUDT7	0.79987	0.44816	0.181	0.17	1 MS.Trt_vs_MS.NoTrt_B
ZNF776	0.80066	0.43068	0.603	0.68	1 MS.Trt_vs_MS.NoTrt_B
RUNX3	0.80154	0.46727	0.12	0.13	1 MS.Trt_vs_MS.NoTrt_B
EIF4G3	0.80182	1.00525	0.179	0.19	1 MS.Trt_vs_MS.NoTrt_B
SULF2	0.80192	0.31648	0.153	0.15	1 MS.Trt_vs_MS.NoTrt_B
LRSAM1	0.80274	0.409	0.115	0.12	1 MS.Trt_vs_MS.NoTrt_B
RP11-544M1	0.80319	-0.4717	0.168	0.18	1 MS.Trt_vs_MS.NoTrt_B
PGGT1B	0.80323	1.11204	0.122	0.13	1 MS.Trt_vs_MS.NoTrt_B
SAMD9L	0.80524	0.90239	0.153	0.16	1 MS.Trt_vs_MS.NoTrt_B
TMIGD2	0.80531	0.92061	0.174	0.19	1 MS.Trt_vs_MS.NoTrt_B
PLCB2	0.80705	0.47363	0.218	0.22	1 MS.Trt_vs_MS.NoTrt_B
BOP1	0.80929	-0.5673	0.185	0.17	1 MS.Trt_vs_MS.NoTrt_B
WDR60	0.80947	0.72257	0.096	0.1	1 MS.Trt_vs_MS.NoTrt_B
THOC1	0.81457	-0.3462	0.187	0.2	1 MS.Trt_vs_MS.NoTrt_B
ID3	0.8146	0.87616	0.166	0.16	1 MS.Trt_vs_MS.NoTrt_B
PTPN9	0.81575	-0.6854	0.231	0.24	1 MS.Trt_vs_MS.NoTrt_B
DHRS3	0.81602	0.65833	0.181	0.18	1 MS.Trt_vs_MS.NoTrt_B
MPV17L2	0.81649	0.74241	0.163	0.18	1 MS.Trt_vs_MS.NoTrt_B
CPEB1	0.8188	-0.5637	0.118	0.12	1 MS.Trt_vs_MS.NoTrt_B
BAZ1B	0.8201	0.40749	0.161	0.17	1 MS.Trt_vs_MS.NoTrt_B
SNF8	0.82076	0.3529	0.734	0.82	1 MS.Trt_vs_MS.NoTrt_B
PACRGL	0.822	-0.4669	0.251	0.27	1 MS.Trt_vs_MS.NoTrt_B
BTBD9	0.8227	0.39179	0.444	0.46	1 MS.Trt_vs_MS.NoTrt_B
ZNF606	0.82306	-0.2697	0.688	0.68	1 MS.Trt_vs_MS.NoTrt_B
GTF3C6	0.82352	0.5623	0.12	0.13	1 MS.Trt_vs_MS.NoTrt_B

EVA1C	0.82565	0.29982	0.102	0.1	1 MS.Trt_vs_MS.NoTrt_B
SRPK3	0.82722	0.50659	0.214	0.21	1 MS.Trt_vs_MS.NoTrt_B
ZNF614	0.82812	0.61337	0.19	0.18	1 MS.Trt_vs_MS.NoTrt_B
AHCTF1	0.83009	1.0825	0.153	0.15	1 MS.Trt_vs_MS.NoTrt_B
PPID	0.83039	0.32355	0.388	0.37	1 MS.Trt_vs_MS.NoTrt_B
PPP2R5A	0.8311	0.9477	0.194	0.2	1 MS.Trt_vs_MS.NoTrt_B
DUSP1	0.83168	0.59833	0.139	0.15	1 MS.Trt_vs_MS.NoTrt_B
TSPYL2	0.83413	0.45799	0.168	0.16	1 MS.Trt_vs_MS.NoTrt_B
BCL9L	0.83428	0.3873	0.107	0.11	1 MS.Trt_vs_MS.NoTrt_B
LIN7B	0.83693	0.44047	0.233	0.25	1 MS.Trt_vs_MS.NoTrt_B
LARP1	0.83711	0.80454	0.153	0.15	1 MS.Trt_vs_MS.NoTrt_B
PTPRH	0.83946	-0.4312	0.115	0.12	1 MS.Trt_vs_MS.NoTrt_B
ADH1B	0.83963	0.30836	0.227	0.25	1 MS.Trt_vs_MS.NoTrt_B
RAP1B	0.83991	0.91245	0.961	0.99	1 MS.Trt_vs_MS.NoTrt_B
CRKL	0.84025	0.68405	0.503	0.57	1 MS.Trt_vs_MS.NoTrt_B
CYB561	0.84046	0.62132	0.235	0.26	1 MS.Trt_vs_MS.NoTrt_B
CTNNB1	0.84206	0.63261	0.503	0.56	1 MS.Trt_vs_MS.NoTrt_B
FSTL4	0.84244	0.37204	0.131	0.13	1 MS.Trt_vs_MS.NoTrt_B
USP39	0.84254	-0.3031	0.416	0.39	1 MS.Trt_vs_MS.NoTrt_B
CXorf36	0.84294	0.40778	0.309	0.34	1 MS.Trt_vs_MS.NoTrt_B
ZNF638	0.84394	1.01878	0.303	0.31	1 MS.Trt_vs_MS.NoTrt_B
CNN3	0.84423	0.81707	0.163	0.17	1 MS.Trt_vs_MS.NoTrt_B
RANBP9	0.84519	0.9214	0.168	0.18	1 MS.Trt_vs_MS.NoTrt_B
TNNI1	0.84558	0.30265	0.366	0.4	1 MS.Trt_vs_MS.NoTrt_B
B3GALNT2	0.84815	0.48134	0.525	0.58	1 MS.Trt_vs_MS.NoTrt_B
RPE	0.84959	0.68458	0.275	0.28	1 MS.Trt_vs_MS.NoTrt_B
ADARB1	0.85155	1.16536	0.176	0.17	1 MS.Trt_vs_MS.NoTrt_B
ZNF669	0.85256	-0.7844	0.466	0.5	1 MS.Trt_vs_MS.NoTrt_B
MED16	0.85341	0.42034	0.185	0.2	1 MS.Trt_vs_MS.NoTrt_B
POGLUT1	0.85362	0.76194	0.248	0.25	1 MS.Trt_vs_MS.NoTrt_B
TMEM106A	0.8543	0.73018	0.599	0.66	1 MS.Trt_vs_MS.NoTrt_B
FAM21A	0.85489	0.43654	0.19	0.2	1 MS.Trt_vs_MS.NoTrt_B
SPIN1	0.85835	0.54523	0.137	0.13	1 MS.Trt_vs_MS.NoTrt_B
FBXL2	0.86067	0.47171	0.538	0.58	1 MS.Trt_vs_MS.NoTrt_B
CKAP2L	0.86117	0.35914	0.373	0.41	1 MS.Trt_vs_MS.NoTrt_B
TAF2	0.86229	1.23459	0.379	0.42	1 MS.Trt_vs_MS.NoTrt_B
BMPR1B	0.86589	1.19035	0.109	0.11	1 MS.Trt_vs_MS.NoTrt_B
LRRD1	0.86637	0.31184	0.449	0.48	1 MS.Trt_vs_MS.NoTrt_B
AGL	0.86702	0.70426	0.111	0.11	1 MS.Trt_vs_MS.NoTrt_B
HDAC7	0.86771	0.62827	0.2	0.21	1 MS.Trt_vs_MS.NoTrt_B

MT-CYB	0.86775	0.52801	0.68	0.76	1 MS.Trt_vs_MS.NoTrt_B
MFN1	0.86847	0.59802	0.383	0.38	1 MS.Trt_vs_MS.NoTrt_B
CDAN1	0.86918	0.61836	0.375	0.41	1 MS.Trt_vs_MS.NoTrt_B
VNN2	0.86941	0.53919	0.15	0.15	1 MS.Trt_vs_MS.NoTrt_B
ADNP	0.87217	1.36039	0.42	0.47	1 MS.Trt_vs_MS.NoTrt_B
ZNF677	0.87233	-0.2859	0.741	0.76	1 MS.Trt_vs_MS.NoTrt_B
SBF1	0.87249	0.54411	0.148	0.15	1 MS.Trt_vs_MS.NoTrt_B
PITPNM1	0.87655	0.55895	0.222	0.23	1 MS.Trt_vs_MS.NoTrt_B
FAM13A	0.87886	0.39811	0.153	0.15	1 MS.Trt_vs_MS.NoTrt_B
FAM76A	0.87916	0.81886	0.728	0.73	1 MS.Trt_vs_MS.NoTrt_B
MORN1	0.87927	0.25778	0.464	0.49	1 MS.Trt_vs_MS.NoTrt_B
MMACHC	0.88046	0.45714	0.789	0.82	1 MS.Trt_vs_MS.NoTrt_B
STT3A	0.8814	0.50927	0.523	0.5	1 MS.Trt_vs_MS.NoTrt_B
INTS2	0.88154	0.58875	0.216	0.22	1 MS.Trt_vs_MS.NoTrt_B
MPP4	0.88192	0.27462	0.447	0.49	1 MS.Trt_vs_MS.NoTrt_B
MCU	0.88204	0.34193	0.196	0.2	1 MS.Trt_vs_MS.NoTrt_B
CD3G	0.88388	0.59626	0.917	1	1 MS.Trt_vs_MS.NoTrt_B
PPIAL4G	0.88544	0.55883	0.558	0.58	1 MS.Trt_vs_MS.NoTrt_B
RPRD1A	0.88553	0.31238	0.144	0.15	1 MS.Trt_vs_MS.NoTrt_B
RAPH1	0.88559	0.34378	0.124	0.14	1 MS.Trt_vs_MS.NoTrt_B
FBXW7	0.88685	0.86925	0.135	0.14	1 MS.Trt_vs_MS.NoTrt_B
ZNF175	0.889	-1.3709	0.176	0.17	1 MS.Trt_vs_MS.NoTrt_B
C3orf18	0.88912	0.25965	0.185	0.18	1 MS.Trt_vs_MS.NoTrt_B
NUDT16L1	0.88992	0.53295	0.098	0.1	1 MS.Trt_vs_MS.NoTrt_B
DCUN1D3	0.89027	-0.3827	0.129	0.12	1 MS.Trt_vs_MS.NoTrt_B
UBA6	0.89094	0.56974	0.468	0.49	1 MS.Trt_vs_MS.NoTrt_B
SGO2	0.89137	0.30994	0.715	0.8	1 MS.Trt_vs_MS.NoTrt_B
TRPM4	0.89307	0.33579	0.721	0.76	1 MS.Trt_vs_MS.NoTrt_B
ANKRD18A	0.89366	0.36791	0.218	0.22	1 MS.Trt_vs_MS.NoTrt_B
RNF31	0.8939	0.29966	0.253	0.25	1 MS.Trt_vs_MS.NoTrt_B
WDR48	0.8969	0.75316	0.129	0.14	1 MS.Trt_vs_MS.NoTrt_B
SPDYE3	0.89733	0.58628	0.542	0.55	1 MS.Trt_vs_MS.NoTrt_B
FAM46C	0.89806	0.62707	0.129	0.12	1 MS.Trt_vs_MS.NoTrt_B
TIMM23	0.89855	0.82651	0.216	0.22	1 MS.Trt_vs_MS.NoTrt_B
ZBTB1	0.89878	0.74841	0.155	0.16	1 MS.Trt_vs_MS.NoTrt_B
RAB42	0.90165	0.35753	0.51	0.57	1 MS.Trt_vs_MS.NoTrt_B
PVR	0.90202	0.76328	0.392	0.4	1 MS.Trt_vs_MS.NoTrt_B
GNB1	0.90234	0.42833	0.259	0.25	1 MS.Trt_vs_MS.NoTrt_B
GFRAL	0.90246	0.33664	0.331	0.34	1 MS.Trt_vs_MS.NoTrt_B
C1orf228	0.90335	0.39606	0.207	0.22	1 MS.Trt_vs_MS.NoTrt_B

KLHDC1	0.90382	0.45599	0.272	0.3	1 MS.Trt_vs_MS.NoTrt_B
AC025335.1	0.90423	0.39597	0.486	0.51	1 MS.Trt_vs_MS.NoTrt_B
ZSCAN25	0.90765	0.3961	0.362	0.36	1 MS.Trt_vs_MS.NoTrt_B
CSF1R	0.90927	0.3109	0.109	0.11	1 MS.Trt_vs_MS.NoTrt_B
ISPD	0.91044	0.32308	0.704	0.78	1 MS.Trt_vs_MS.NoTrt_B
KIF21B	0.91222	1.06707	0.331	0.37	1 MS.Trt_vs_MS.NoTrt_B
ARHGAP44	0.91248	0.72854	0.237	0.24	1 MS.Trt_vs_MS.NoTrt_B
MCM3	0.9135	0.33974	0.133	0.13	1 MS.Trt_vs_MS.NoTrt_B
WTAP	0.91408	0.73242	0.664	0.75	1 MS.Trt_vs_MS.NoTrt_B
ANKRD6	0.9143	-0.5114	0.111	0.11	1 MS.Trt_vs_MS.NoTrt_B
PLCXD1	0.91583	0.4586	0.874	0.91	1 MS.Trt_vs_MS.NoTrt_B
ZNF17	0.91703	0.89923	0.235	0.24	1 MS.Trt_vs_MS.NoTrt_B
ATRNL1	0.91778	0.28232	0.294	0.33	1 MS.Trt_vs_MS.NoTrt_B
TMEM107	0.91975	1.14223	0.416	0.45	1 MS.Trt_vs_MS.NoTrt_B
C6orf203	0.92038	0.78409	0.519	0.54	1 MS.Trt_vs_MS.NoTrt_B
SLF1	0.92146	-0.3803	0.118	0.12	1 MS.Trt_vs_MS.NoTrt_B
DCAF17	0.92186	0.28911	0.307	0.32	1 MS.Trt_vs_MS.NoTrt_B
SLC48A1	0.92558	0.70717	0.54	0.6	1 MS.Trt_vs_MS.NoTrt_B
TCF4	0.92589	0.46594	0.641	0.67	1 MS.Trt_vs_MS.NoTrt_B
BRAT1	0.92678	0.41064	0.266	0.27	1 MS.Trt_vs_MS.NoTrt_B
NFATC1	0.92865	0.44499	0.146	0.15	1 MS.Trt_vs_MS.NoTrt_B
GSTT1	0.92985	1.4096	0.577	0.64	1 MS.Trt_vs_MS.NoTrt_B
SPINT2	0.92987	-0.341	0.425	0.44	1 MS.Trt_vs_MS.NoTrt_B
TERF1	0.93091	0.40088	0.61	0.66	1 MS.Trt_vs_MS.NoTrt_B
CD36	0.93095	0.32579	0.486	0.55	1 MS.Trt_vs_MS.NoTrt_B
ANXA1	0.93147	0.73757	0.131	0.13	1 MS.Trt_vs_MS.NoTrt_B
MAP3K2	0.93298	0.35175	0.166	0.16	1 MS.Trt_vs_MS.NoTrt_B
ZNF212	0.93353	-0.6126	0.342	0.33	1 MS.Trt_vs_MS.NoTrt_B
CD40LG	0.93434	0.66287	0.131	0.14	1 MS.Trt_vs_MS.NoTrt_B
PTCHD4	0.93554	0.25552	0.124	0.12	1 MS.Trt_vs_MS.NoTrt_B
SLC1A5	0.93666	-0.5748	0.115	0.11	1 MS.Trt_vs_MS.NoTrt_B
RPS7	0.9382	-0.4547	0.414	0.41	1 MS.Trt_vs_MS.NoTrt_B
GALC	0.93825	0.31271	0.804	0.89	1 MS.Trt_vs_MS.NoTrt_B
CALM1	0.93865	0.4046	0.734	0.88	1 MS.Trt_vs_MS.NoTrt_B
AAR2	0.93932	0.66296	0.2	0.21	1 MS.Trt_vs_MS.NoTrt_B
BRD9	0.94102	1.46427	0.113	0.11	1 MS.Trt_vs_MS.NoTrt_B
FAM229B	0.94519	0.26169	0.264	0.28	1 MS.Trt_vs_MS.NoTrt_B
POLE2	0.94559	0.39341	0.244	0.25	1 MS.Trt_vs_MS.NoTrt_B
PPP1R16B	0.94596	0.5428	0.19	0.19	1 MS.Trt_vs_MS.NoTrt_B
POLR2M	0.94602	0.63758	0.12	0.12	1 MS.Trt_vs_MS.NoTrt_B



ZNF789	0.9465	0.34846	0.649	0.71	1 MS.Trt_vs_MS.NoTrt_B
C2orf68	0.94721	0.36547	0.767	0.77	1 MS.Trt_vs_MS.NoTrt_B
PPIE	0.94775	0.86755	0.673	0.77	1 MS.Trt_vs_MS.NoTrt_B
GABRP	0.94854	0.39737	0.216	0.22	1 MS.Trt_vs_MS.NoTrt_B
TMTC3	0.94949	0.42762	0.159	0.16	1 MS.Trt_vs_MS.NoTrt_B
PIAS2	0.95167	0.6867	0.678	0.7	1 MS.Trt_vs_MS.NoTrt_B
LANCL1	0.95422	0.96021	0.133	0.14	1 MS.Trt_vs_MS.NoTrt_B
NSUN7	0.95508	1.47136	0.203	0.21	1 MS.Trt_vs_MS.NoTrt_B
DPP3	0.9557	0.30649	0.148	0.15	1 MS.Trt_vs_MS.NoTrt_B
KLHL23	0.95733	0.4942	0.155	0.16	1 MS.Trt_vs_MS.NoTrt_B
MBTD1	0.95852	0.83425	0.342	0.35	1 MS.Trt_vs_MS.NoTrt_B
NDUFAF7	0.95935	-0.6368	0.331	0.33	1 MS.Trt_vs_MS.NoTrt_B
ABCC9	0.96002	0.34578	0.858	0.95	1 MS.Trt_vs_MS.NoTrt_B
SLC13A4	0.9616	-0.2952	0.27	0.28	1 MS.Trt_vs_MS.NoTrt_B
TOR1A	0.9617	0.75603	0.582	0.62	1 MS.Trt_vs_MS.NoTrt_B
ZEB2	0.9632	1.12097	0.508	0.53	1 MS.Trt_vs_MS.NoTrt_B
STT3B	0.96359	0.37159	0.49	0.51	1 MS.Trt_vs_MS.NoTrt_B
PLOD1	0.96402	0.56478	0.532	0.52	1 MS.Trt_vs_MS.NoTrt_B
MKRN2OS	0.96564	0.27087	0.15	0.16	1 MS.Trt_vs_MS.NoTrt_B
TRAPPC2B	0.96946	0.59439	0.259	0.26	1 MS.Trt_vs_MS.NoTrt_B
MAP3K11	0.97281	0.67585	0.599	0.64	1 MS.Trt_vs_MS.NoTrt_B
IRS2	0.97356	0.48797	0.292	0.3	1 MS.Trt_vs_MS.NoTrt_B
ACADM	0.97643	0.50771	0.135	0.14	1 MS.Trt_vs_MS.NoTrt_B
FEZ1	0.97789	0.26077	0.514	0.57	1 MS.Trt_vs_MS.NoTrt_B
THNSL1	0.97878	1.16527	0.098	0.1	1 MS.Trt_vs_MS.NoTrt_B
ZSCAN5A	0.9791	0.55992	0.678	0.7	1 MS.Trt_vs_MS.NoTrt_B
SDCCAG8	0.97935	0.33427	0.678	0.74	1 MS.Trt_vs_MS.NoTrt_B
FAM153C	0.98038	0.38569	0.364	0.39	1 MS.Trt_vs_MS.NoTrt_B
MORF4L2	0.98325	0.58893	0.159	0.16	1 MS.Trt_vs_MS.NoTrt_B
PSD3	0.98382	0.46323	0.259	0.27	1 MS.Trt_vs_MS.NoTrt_B
VDR	0.98447	-0.5908	0.261	0.25	1 MS.Trt_vs_MS.NoTrt_B
IL24	0.98711	0.70315	0.135	0.14	1 MS.Trt_vs_MS.NoTrt_B
MFAP5	0.98758	0.32064	0.281	0.3	1 MS.Trt_vs_MS.NoTrt_B
CCL5	0.98876	0.75721	0.804	0.88	1 MS.Trt_vs_MS.NoTrt_B
SRRM2	0.98892	0.77239	0.619	0.72	1 MS.Trt_vs_MS.NoTrt_B
SFMBT2	0.98921	0.251	0.22	0.23	1 MS.Trt_vs_MS.NoTrt_B
C19orf45	0.98938	0.36038	0.381	0.42	1 MS.Trt_vs_MS.NoTrt_B
CHMP1B	0.99016	0.34829	0.688	0.78	1 MS.Trt_vs_MS.NoTrt_B
MFSD6	0.99101	0.5271	0.109	0.11	1 MS.Trt_vs_MS.NoTrt_B
DISC1	0.99253	0.74828	0.42	0.44	1 MS.Trt_vs_MS.NoTrt_B

JMY	0.99269	0.54546	0.211	0.22	1 MS.Trt_vs_MS.NoTrt_B
SLC46A3	0.99464	1.095	0.1	0.1	1 MS.Trt_vs_MS.NoTrt_B
ILVBL	0.995	-0.7125	0.209	0.21	1 MS.Trt_vs_MS.NoTrt_B
ZNF626	0.99555	0.56033	0.593	0.63	1 MS.Trt_vs_MS.NoTrt_B
CISH	0.99752	0.33186	0.102	0.1	1 MS.Trt_vs_MS.NoTrt_B
ZNF384	0.9987	0.3693	0.124	0.12	1 MS.Trt_vs_MS.NoTrt_B
RTN4	0.99896	0.7052	0.211	0.22	1 MS.Trt_vs_MS.NoTrt_B
ANKRD49	0.99973	1.47207	0.192	0.2	1 MS.Trt_vs_MS.NoTrt_B
MAPK14	1	1.32611	0.107	0.11	1 MS.Trt_vs_MS.NoTrt_B

**Supplementary Table 4. Differentially expressed genes between healthy and MS donors.**

Results of a Wilcoxon rank sum test, performed by Seurat's FindAllMarkers function with default parameter values as described in the text. The comparison column is formatted as "X\_vs\_Y\_T" with X, Y being the two donor groups being compared, and T representing the tissue for whose cells the comparison is performed, B = peripheral blood, F = fat.

**Supplementary Table 5. Donor demographics for MS and healthy donors used for suppression assays.**

	Age	Gender	Ethnicity	Diagnosis & Treatment
HC	21	M	White Non-Hispanic	N/A
	31	F	White Non-Hispanic	N/A
	35	M	White Non-Hispanic	N/A
	22	M	White Non-Hispanic	N/A
	31	F	White Non-Hispanic	N/A
	34	F	Asian	N/A
	28	F	White Non-Hispanic	N/A
	30	F	White Non-Hispanic	N/A
RRMS	55	F	White Non-Hispanic	New Onset; untreated RRMS
	33	F	White Non-Hispanic	New Onset; untreated RRMS
	32	F	Mixed Race, Hispanic	New Onset; untreated RRMS
	44	M	White Non-Hispanic	New Onset; untreated RRMS
	50	M	White Non-Hispanic	New Onset; untreated RRMS
	34	F	White, Hispanic	New Onset; untreated RRMS
	32	M	Black Non-Hispanic	Untreated since 12-2016 (copaxone)
	35	F	White Non-Hispanic	Untreated since 10/2017 (1 dose of rituxan)

**Supplementary Table 5. Donor demographics for MS and healthy donors used for suppression assays.** Age, gender, ethnicity, and disease diagnosis and treatment information for peripheral blood T<sub>regs</sub> from healthy subjects or MS patients used for suppression assays.