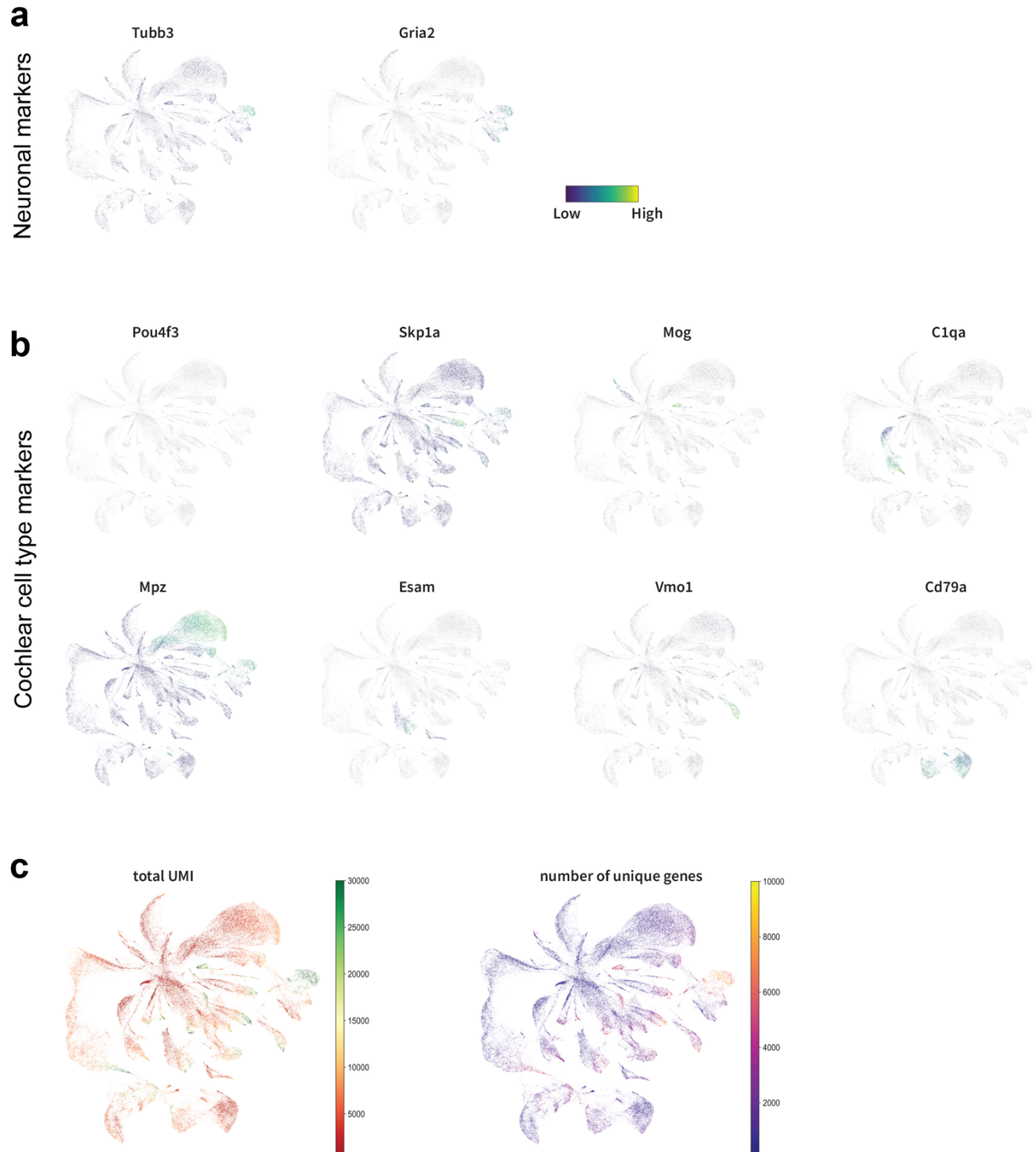
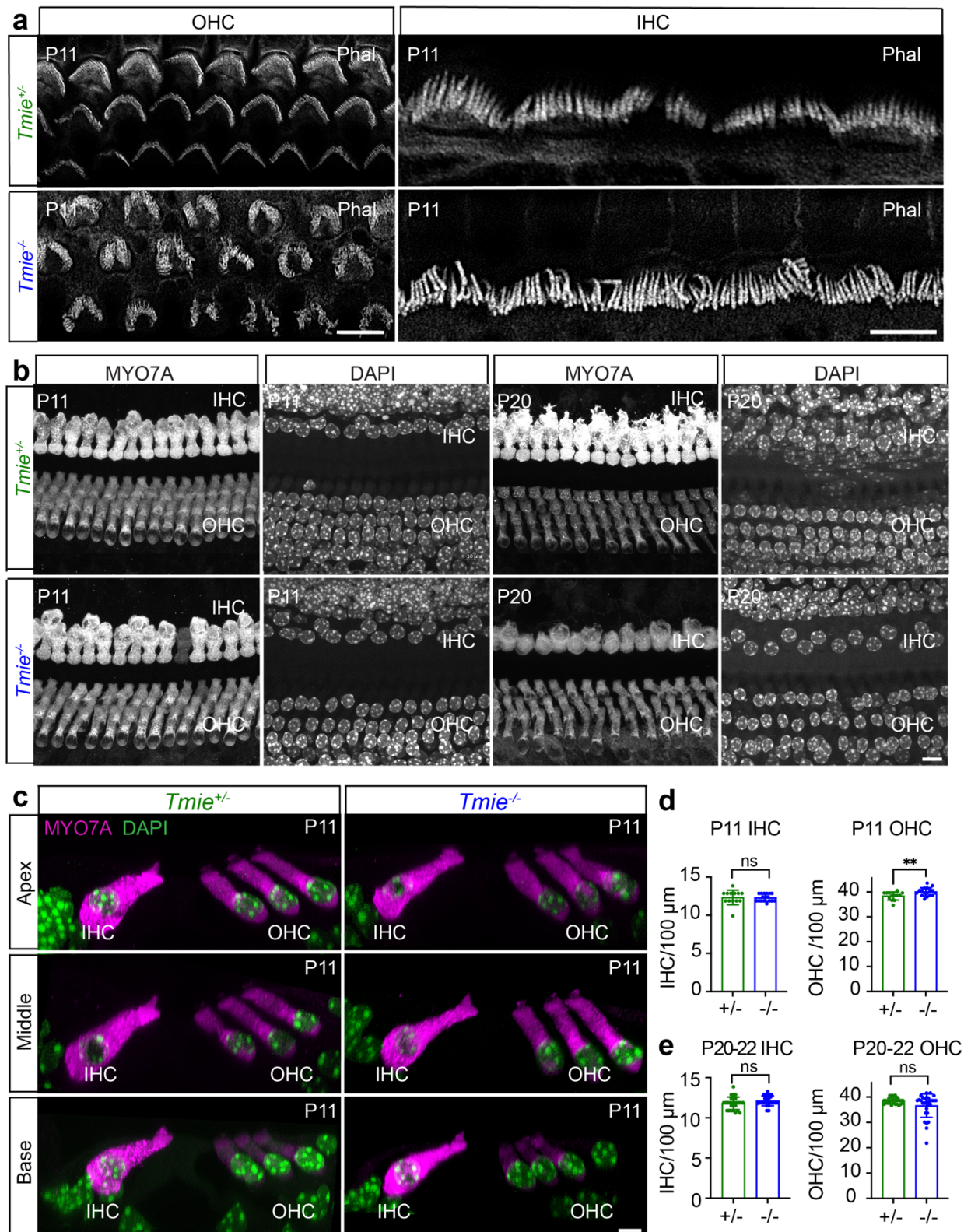




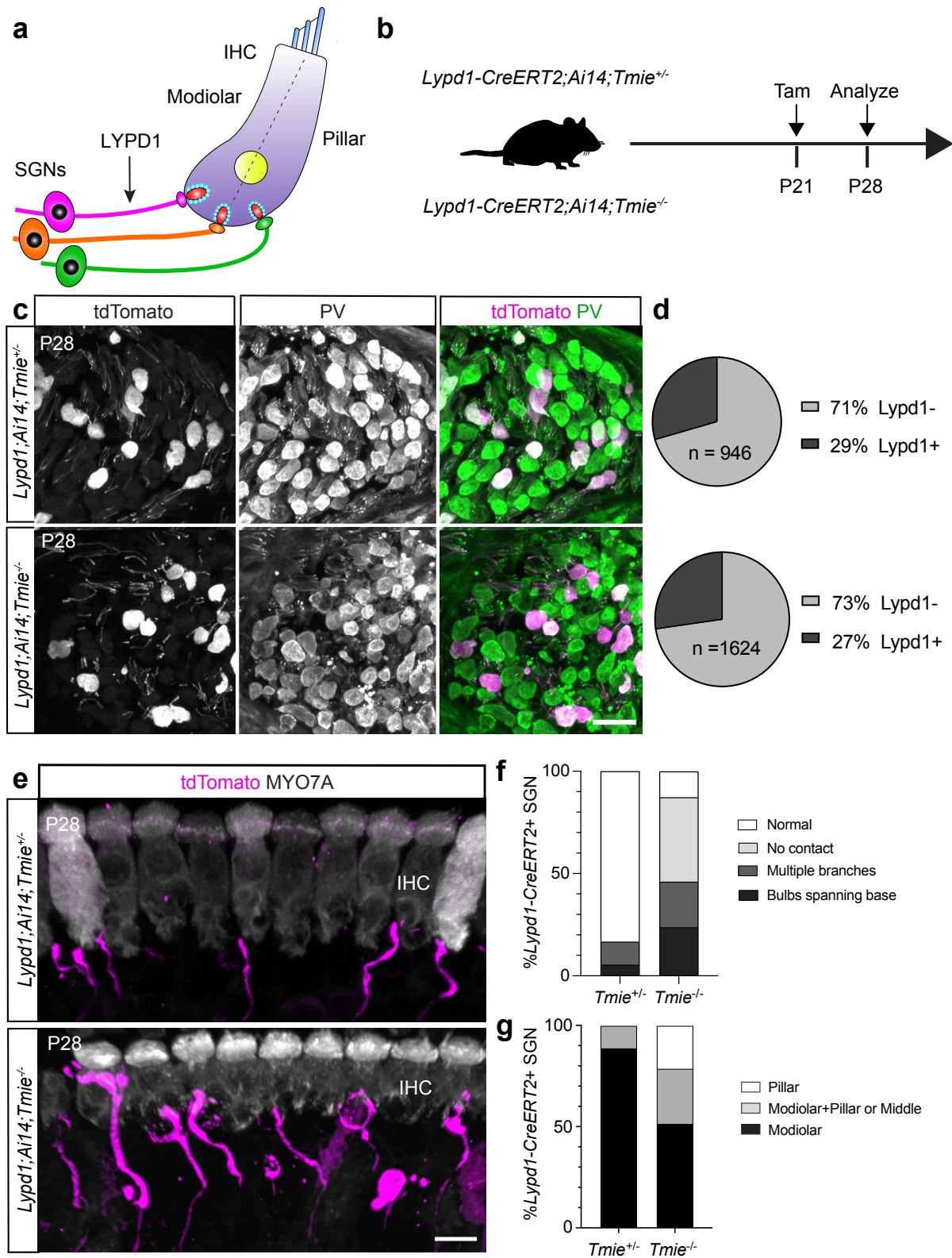
Supplementary Figure 1. Single cell RNA sequencing in the cochlea yields expected cochlear cell types including SGNs. Uniform manifold approximation and manifold (UMAP) plots for all 114,188 cells isolated from P21 controls (*Tmie*^{+/+}) and *Tmie*^{-/-} male mice and analyzed by sc-RNAseq. **a** Feature plots displaying gene expression for *Tubb3* and *Gria2*, which were used for selection of putative neurons for a second CellRanger alignment. Putative

neurons comprised a small percentage of the total cells. **b** Feature plots displaying gene expression of known makers for non-neuronal cochlear cell types (*Pou4f3*- hair cells; *Skp1a*- Deiter/pillar cells; *Mog*- satellite glial cells; *Mpz*- Schwann cells; *Esam*- endothelial cells; *Vmo1*- Reissner's membrane cells; *C1qa*, *Cd79a*- immune cells). **c** Total unique molecular identifiers (UMI, left) and the number of unique genes (right) across all sequenced clusters.



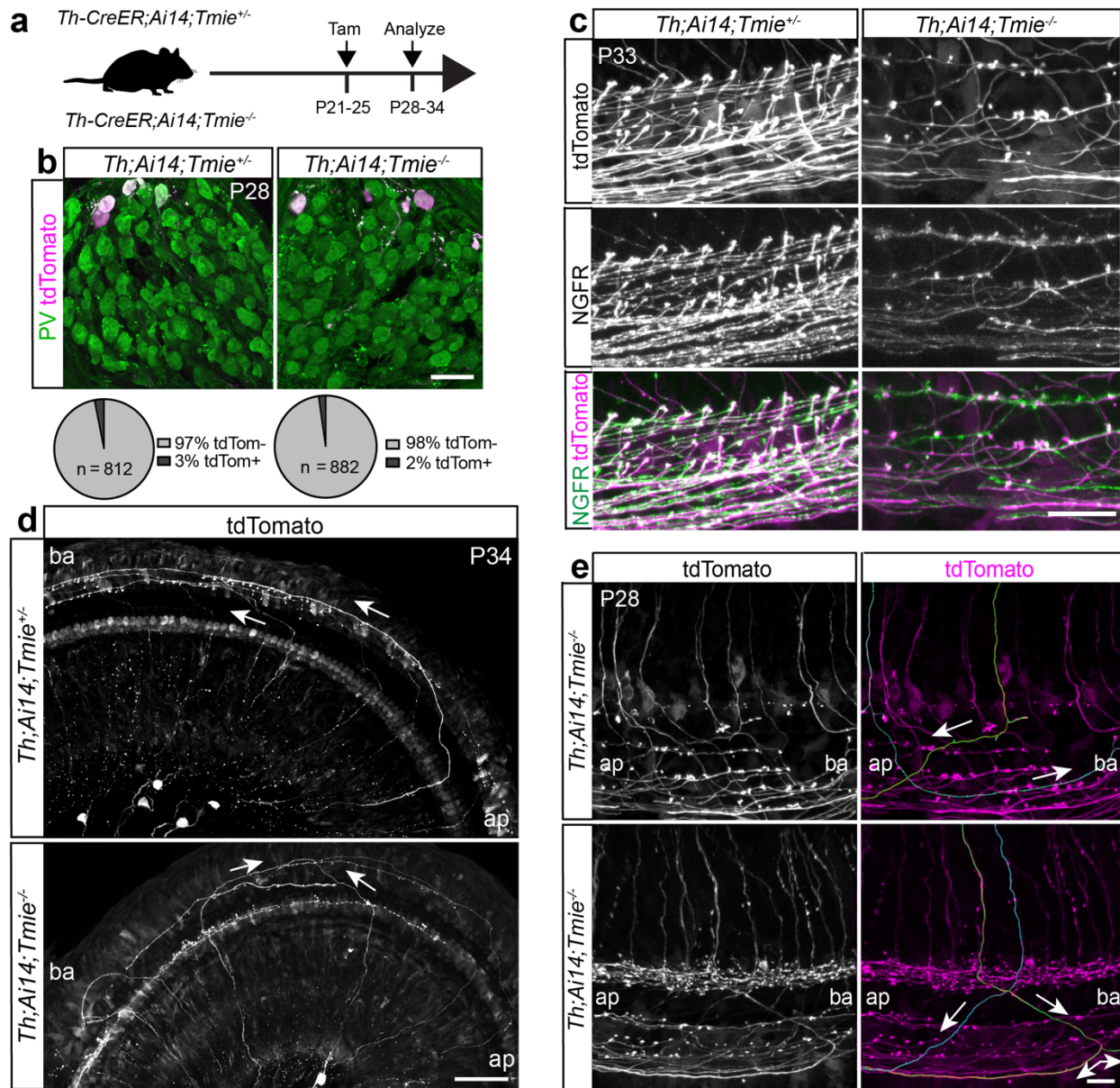
Supplementary Figure 2. Preservation of hair cells in *Tmie*^{-/-} mice. a Representative mid-cochlear whole mounts at P11 in *Tmie*^{+/-} and *Tmie*^{-/-} mice, stained for F-actin (phalloidin, red);

left, outer hair cell (OHC) stereocilia; right, inner hair cell (IHC) stereocilia; scale bar: 10 μm **b** Representative cochlear whole mounts at P11 (left) and P20 (right) in *Tmie*^{+/-} and *Tmie*^{-/-} mice of apex, middle, base regions and stained for MYO7A (magenta) and DAPI (green); scale bar: 5 μm . **c** 3D reconstructed confocal optical sections of cochlear whole mounts in *Tmie*^{+/-} and *Tmie*^{-/-} mice at P11 to reveal cell bodies and organization of IHCs and OHCs; scale bar: 5 μm . **d** Quantification of IHC and OHC counts per 100 μm in mid-cochlea at P11 (top; IHCs: +/-: 12.34 ± 0.26 , $n = 13$ whole mounts/3 mice, -/-: 12.30 ± 0.11 , $n = 17$ whole mounts/4 mice, two-tailed Welch's t test: $p = 0.8923$, $t = 0.13$, $df = 16.78$; OHCs: +/-: 38.39 ± 0.45 , $n = 13$ whole mounts/3 mice, -/-: 40.08 ± 0.40 , $n = 17$ whole mounts/4 mice, two-tailed Welch's t test: $p = 0.0093$, $t = 2.807$, $df = 26.27$) and P20-22 (bottom; IHCs: +/-: 11.80 ± 0.15 , $n = 27$ whole mounts/6 mice, -/-: 12.11 ± 0.12 , $n = 25$ whole mounts/5 mice, two-tailed Welch's t test: $p = 0.1173$, $t = 1.59$, $df = 48.70$; OHCs: +/-: 38.40 ± 0.23 , $n = 27$ whole mounts/6 mice, -/-: 37.11 ± 0.70 , $n = 25$ whole mounts/6 mice, two-tailed Welch's t test: $p = 0.0915$, $t = 1.738$, $df = 32.75$). Values are mean $\pm$ SEM.



Supplementary Figure 3. Loss of innervation specificity of type IC SGNs. **a** Diagram of IHC innervation by type I SGNs. **b** Experimental strategy, Tam: tamoxifen. **c** Representative

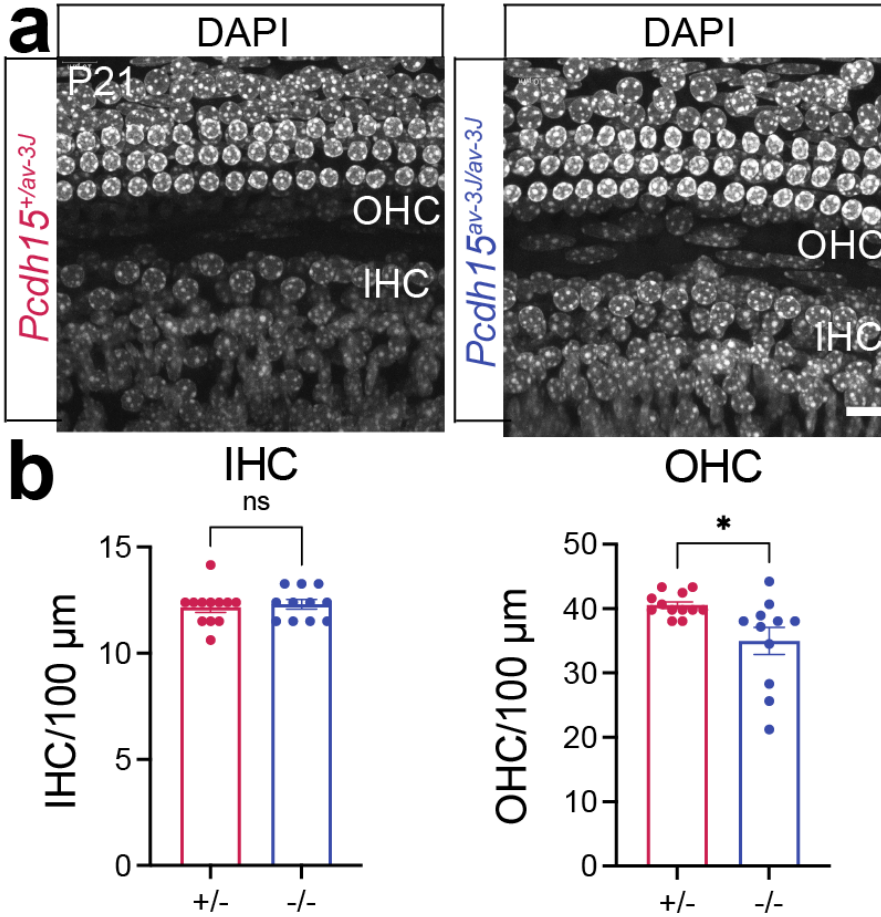
cryosections of mid-cochlear spiral ganglion at P28 from *Lypd1-CreERT2;Ai14;Tmie^{+/-}* (top) and *Lypd1-CreERT2;Ai14;Tmie^{-/-}* (bottom) stained for tdTomato (magenta) and PV (green); scale bar: 20 μ m. **d** Quantification of percentage of labeled tdTomato⁺ cells among PV⁺ SGNs in P28 *Lypd1-CreERT2;Ai14;Tmie^{+/-}* (top, $n = 946$ neurons/ 2 mice) and *Lypd1-CreERT2;Ai14;Tmie^{-/-}* (bottom, $n = 1624$ neurons/ 4 mice); n = number of neurons assessed per genotype. **e** Representative whole mounts of P28 mid-cochlea from *Lypd1-CreERT2;Ai14;Tmie^{+/-}* (top) and *Lypd1-CreERT2;Ai14;Tmie^{-/-}* (bottom) stained for TdTomato (magenta) and MYO7A (white); scale bar: 8 μ m. **f** Quantification of morphology of tdTomato⁺ peripheral projections at mid-cochleae as a percentage of total numbers of neurons analyzed at P28 (+/-: normal: 83%, no contact: 0%, multiple branches: 11%, bulbs spanning base: 6%, $n = 36$ neurons/ 3 mice; -/-: Normal: 13%, no contact: 41%, multiple branches: 22%, bulbs spanning base: 24%, $n = 63$ neurons/ 3 mice). **g** Quantification of basolateral ending location of tdTomato⁺ peripheral projections at mid-cochleae as a percentage of total numbers of neurons analyzed at P28 (+/-: modiolar: 88.89%, Modiolar and pillar or middle: 11.11%, $n = 36$ neurons/ 3 mice; -/-: modiolar: 51.52%, Modiolar and pillar or middle: 27.27%, pillar: 21.21% $n = 33$ neurons/ 3 mice).



Supplementary Figure 4. Aberrant projections in genetically defined Type II SGNs. a

Diagram of experimental strategy. **b** Top: Representative sections from mid-cochlea of P28 *Th-CreER;Ai14;Tmie^{+/-}* and *Th-CreER;Ai14;Tmie^{-/-}* animals injected with tamoxifen at P21 and stained for PV (green) and TdTomato (tdT, magenta); scale bar: 20 μ m. Bottom: Quantification of percentage of tdTomato⁺ cells among total PV⁺ SGNs in P28 *Th-CreER;Ai14;Tmie^{+/-}* (left, $n = 812$ neurons/3 mice) and *Th-CreER;Ai14;Tmie^{-/-}* (right, $n = 882$ neurons/3 mice). **c**

Representative whole mounts from mid-cochlea of P33 *Th-CreER;Ai14;Tmie^{+/-}* and *Th-CreER;Ai14;Tmie^{-/-}* animals stained for TdTomato (magenta) and NGFR (green); scale bar: 20 μ m. **d** Representative whole mounts of apical cochlea at P34 in *Th-CreER;Ai14;Tmie^{+/-}* (top) and *Th-CreER;Ai14;Tmie^{-/-}* (bottom) stained for TdT (magenta), top: arrows indicate SGNs type II turning from apex (ap) toward base (ba); bottom: arrows indicate SGNs type II turning in opposite directions from normal in mutant mice; scale bar: 50 μ m. **e** Left: whole mounts from P28 *Th-CreER;Ai14;Tmie^{-/-}* mid-cochlea showing type II SGNs; right: same images with individual neurons traced digitally (green, blue). Arrows point to projections turning apically (ap) or basally (ba); scale bar: 10 μ m.



Supplementary Figure 5. Hair cell survival in *Pcdh15*^{av3J/av3J} mutant mice. (A)

Representative whole mounts from *Pcdh15*^{+/av-3J} and *Pcdh15*^{av-3J/av-3J} mice at P21 stained for

DAPI; scale bar: 10 μm. (B) Quantification of IHC and OHC survival in *Pcdh15*^{+/av-3J} and

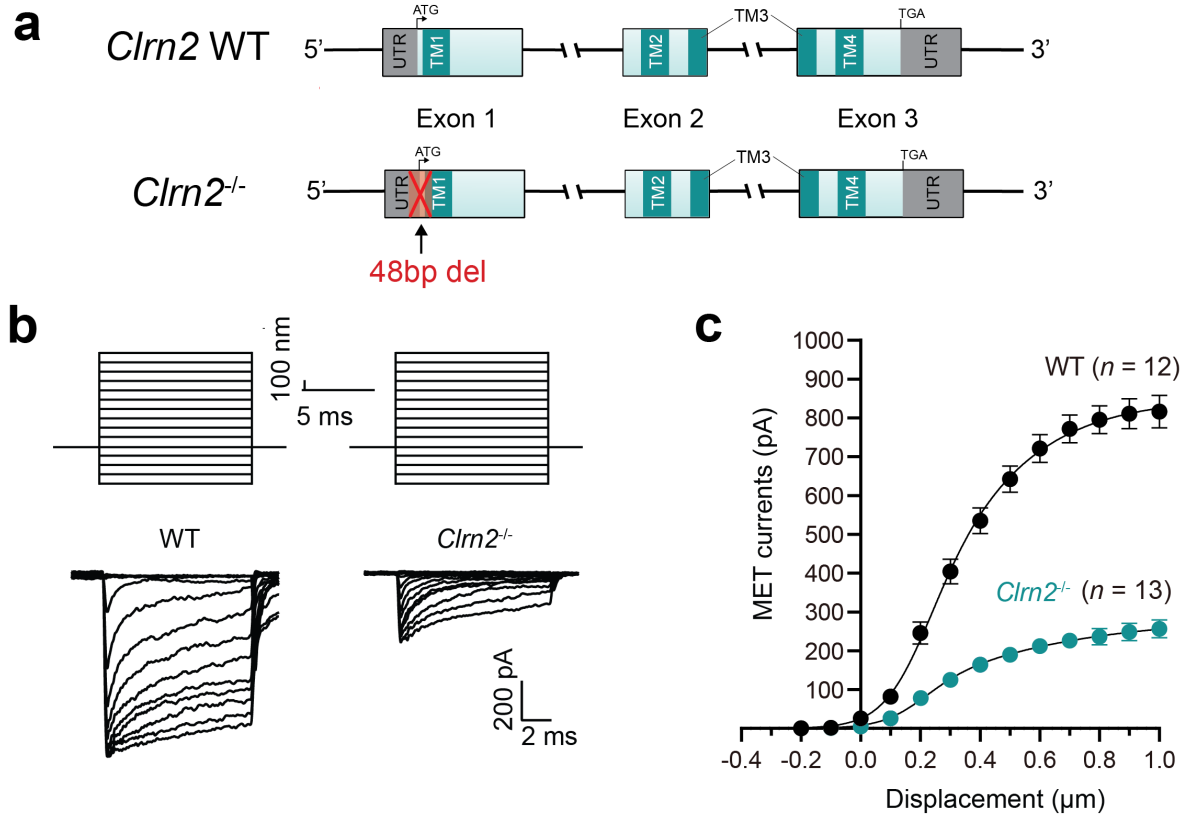
Pcdh15^{av-3J/av-3J} mice at P21 (IHCs/100μm, +/-: 12.17±0.2466, *n*= 12 whole mounts/3 mice; -/-:

12.31±0.2218, *n*= 11 whole mounts/3 mice; two-sided Welch's *t* test: *p* = 0.6755, *t* = 0.42, *df* =

20.93; OHCs/100μm, +/-: 40.56±0.5205, *n*= 12 whole mounts/3 mice; -/-: 35.00±2.106, *n*= 11

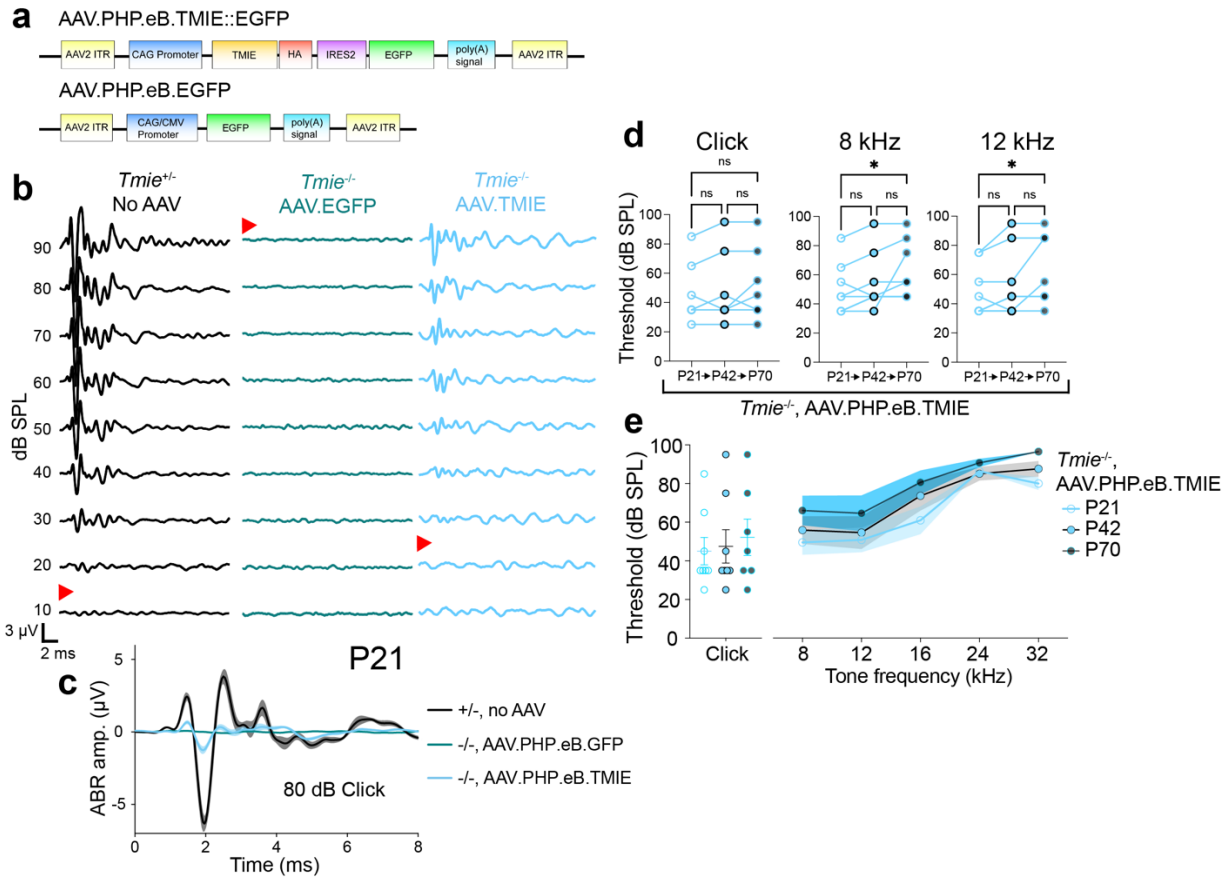
whole mounts/3 mice; two-sided Welch's *t* test: *p* = 0.0295, *t* = 2.56, *df* = 11.22). Values are

mean ± SEM.



Supplementary Figure 6. *Clnr2*^{-/-} mice generation and MET phenotype confirmation.

a Schematic of mouse *Clnr2* WT allele (top), which produces a 232-amino acid protein from 3 exons that contains 4 transmembrane domains (TM); UTR- untranslated region. The *Clnr2*^{-/-} allele (bottom) was generated using CRISPR/Cas9 technology to delete a 48 bp region of the WT allele spanning portions of the 5' UTR and exon 1, including the start codon. This deletion is predicted to create a null protein due to start codon loss and TM1 mutation. **b** Representative recordings of MET currents in OHCs from *Clnr2* WT and *Clnr2*^{-/-} at P6 (bottom). Currents were recorded in response to a set of 10-ms hair bundle deflections ranging from -200 nm to 1,000 nm (top). **c** Current/displacement (I/X) plots for group MET current recordings as seen in **b** (*Clnr2* WT: *n* = 12, *Clnr2*^{-/-}: *n* = 13). Values are mean ± SEM.



Supplementary Figure 7. AAV mediated gene therapy restores hearing function.

a Diagram of AAV vectors expressing TMIE (top) and control (bottom). AAVs were injected at P1

b Representative individual auditory brainstem response (ABR) traces at P21 for broadband

click stimuli. Red arrowheads indicate thresholds. **c** Grand averages of ABR waveforms in

response to 80 dB click stimulation at P21. Lines represent averages, shaded areas are $\pm$ SEM

(*Tmie*^{+/-}, no AAV: $n = 11$; *Tmie*^{-/-}, AAV.EGFP: $n = 11$; *Tmie*^{-/-}, AAV.TMIE: $n = 15$). **d** ABR

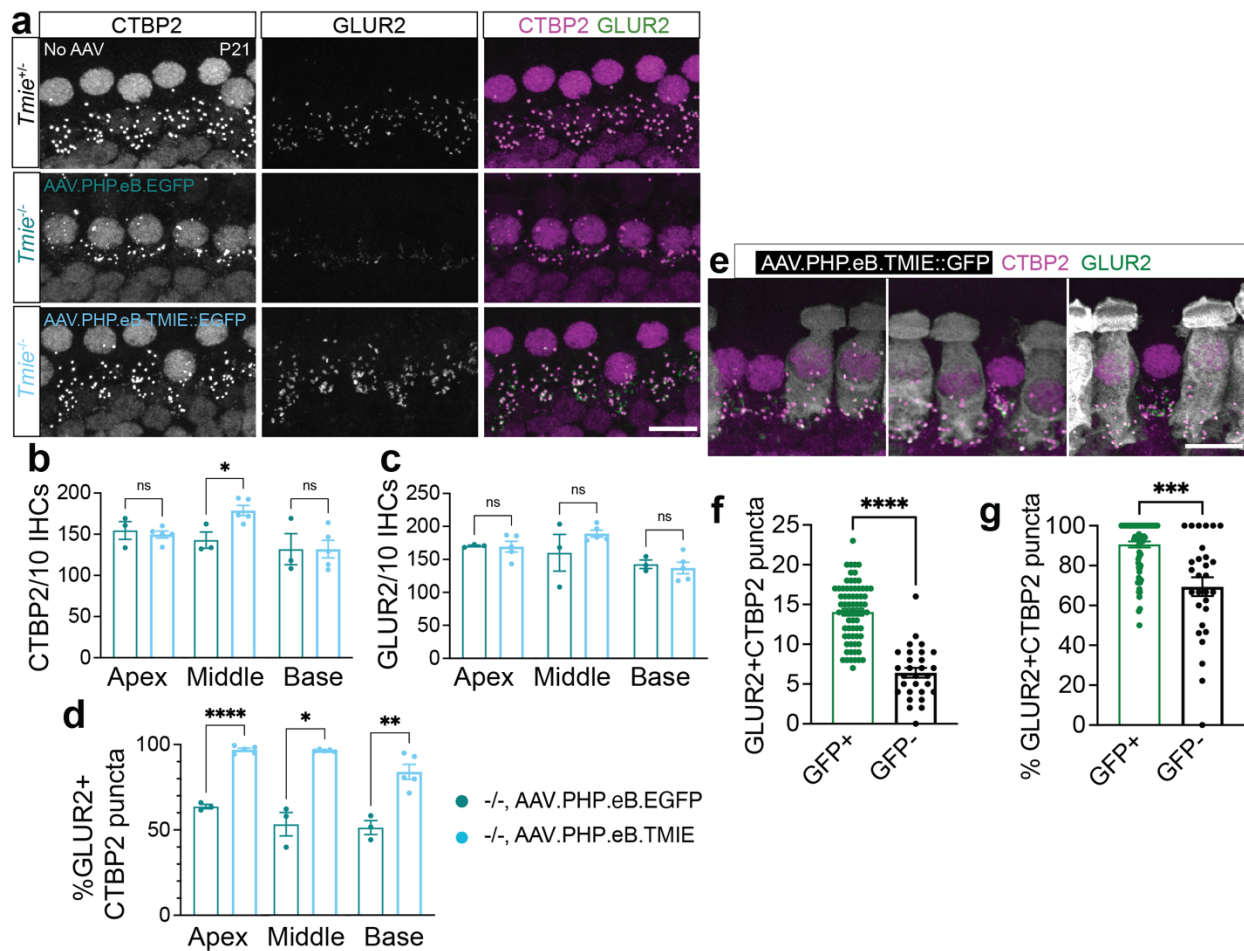
thresholds at P21, P42, and P70 for click, 8 kHz, and 12 kHz for *Tmie*^{-/-} mice injected with

AAV.TMIE ($n = 8$) (mixed effects models with Tukey's multiple comparisons tests; click: $p =$

0.2007, $F_{0.52,3.44} = 2.11$; 8 kHz: $p = 0.0288$, $F_{1.40,9.09} = 6.01$; 12 kHz: $p = 0.0293$, $F_{1.51,9.85} =$

5.639). **e** ABR thresholds (mean $\pm$ SEM) for click and pure tone frequency stimulation in *Tmie*^{-/-}

mice injected with AAV.PHP.eB.TMIE ($n=8$) at P21, P42, and P70.



Supplementary Figure 8. AAV mediated gene therapy restores function of both hair cells and SGNs. **a** Whole mounts of apical cochleae at P21 in *Tmie*^{+/+} mice (top row) and *Tmie*^{-/-} mice injected with AAV.PHP.eB.EGFP (middle row) or AAV.PHP.eB.TMIE::EGFP (bottom row) at P1 stained for CTBP2 (magenta) and GLUR2 (green); scale bar, 10 μ m. **b** CTBP2 puncta/10 IHCs in *Tmie*^{-/-} mice injected with AAV.PHP.eB.EGFP ($n = 3$) or AAV.PHP.eB.TMIE::EGFP ($n = 5$) (apex: two-sided Welch's t test: $p = 0.6943$, $t = 0.43$, $df = 2.64$; middle: two-sided Welch's t test: $p = 0.0418$, $t = 3.09$, $df = 3.61$; base: two-sided Welch's t test: $p = 0.994$, $t = 0.002$, $df = 3.28$). **c** GLUR2 puncta/10 IHCs in *Tmie*^{-/-} mice injected with AAV.PHP.eB.EGFP or AAV.PHP.eB.TMIE::EGFP (apex: two-sided Welch's t test: $p = 0.8987$, $t = 0.13$, $df = 4.18$; middle: two-sided Welch's t test: $p = 0.4054$, $t = 1.02$, $df = 2.13$; base: two-sided Welch's t test: $p = 0.994$, $t = 0.002$, $df = 3.28$). **d** % GLUR2+ CTBP2 puncta in *Tmie*^{-/-} mice injected with AAV.PHP.eB.EGFP or AAV.PHP.eB.TMIE::EGFP (apex: two-sided Welch's t test: $p = 0.0001$, $t = 4.56$, $df = 2.64$; middle: two-sided Welch's t test: $p = 0.018$, $t = 3.09$, $df = 3.61$; base: two-sided Welch's t test: $p = 0.004$, $t = 3.09$, $df = 3.61$). **e** Whole mounts of apical cochleae at P21 in *Tmie*^{-/-} mice injected with AAV.PHP.eB.TMIE::GFP (top row) or AAV.PHP.eB.EGFP (bottom row) at P1 stained for CTBP2 (magenta) and GLUR2 (green); scale bar, 10 μ m. **f** GLUR2+CTBP2 puncta in *Tmie*^{-/-} mice injected with AAV.PHP.eB.EGFP or AAV.PHP.eB.TMIE::EGFP (GFP⁺: $n = 10$, GFP⁻: $n = 10$) (two-sided Welch's t test: $p = 0.0001$, $t = 4.56$, $df = 2.64$). **g** % GLUR2+CTBP2 puncta in *Tmie*^{-/-} mice injected with AAV.PHP.eB.EGFP or AAV.PHP.eB.TMIE::EGFP (GFP⁺: $n = 10$, GFP⁻: $n = 10$) (two-sided Welch's t test: $p = 0.0001$, $t = 4.56$, $df = 2.64$).

= 0.6260, $t = 0.51$, $df = 5.99$). **d** % CTBP2 puncta colocalized with GLUR2 in *Tmie*^{-/-} mice injected with AAV.PHP.eB.EGFP or AAV.PHP.eB.TMIE::EGFP (apex: two-sided Welch's t test: $p = 3.021 \times 10^{-5}$, $t = 21.03$, $df = 4.27$; middle: two-sided Welch's t test: $p = 0.0242$, $t = 6.28$, $df = 2.00$; base: $p = 0.0020$, $t = 5.44$, $df = 5.58$). For all synaptic quantifications at P21: $n = 3$ for *Tmie*^{-/-} mice injected with AAV.PHP.eB.EGFP and $n = 5$ for *Tmie*^{-/-} mice injected with AAV.PHP.eB.TMIE::EGFP. **e** Representative whole mounts from apical and middle cochlear IHC regions of P21 *Tmie*^{-/-} mice injected with AAV.PHP.eB.TMIE::EGFP stained for EGFP(white), CTBP2 (magenta) and GLUR2 (green); scale bar, 10 μ m. **f** CTBP2 puncta colocalized with GLUR2 per IHC in AAV.PHP.eB.TMIE::EGFP positive cells and negative cells (GFP+: 14.04 ± 0.43 , $n = 71$ cells/5 mice; GFP-: 6.41 ± 0.61 , $n = 29$ cells/5 mice, two-sided Welch's t test: $p = 2.066 \times 10^{-14}$, $t = 10.11$, $df = 58.08$). **g** % CTBP2 puncta colocalized with GLUR2 per IHC in AAV.PHP.eB.TMIE::EGFP positive cells and negative cells (GFP+: 90.60 ± 1.52 , $n = 71$ cells/5 mice; GFP-: 69.41 ± 4.70 , $n = 29$ cells/5 mice, two-sided Welch's t test: $p = 0.001$, $t = 4.28$, $df = 34.03$). Values are mean $\pm$ SEM.

Supplementary Table 1. Differentially expressed genes (two sided t tests) in type I SGNs of Tmie^{-/-} mice.

intercept	estimate	term	p-value	gene	HET_proportion	KO_proportion	q-value
0.6764871	-2.0151044	condition[T.KO]	2.794E-149	Cox8b	0.64821124	0.2250384	8.702E-145
-1.2885637	1.74803571	condition[T.KO]	7.0132E-97	Marcksl1	0.23168654	0.8172043	2.1844E-92
-1.8974929	2.1377104	condition[T.KO]	6.3847E-94	Nppc	0.13373083	0.69662058	1.9886E-89
-0.3443927	-2.1728751	condition[T.KO]	1.2052E-72	Ttn	0.33390119	0.07680492	3.7536E-68
-0.6241233	1.21235337	condition[T.KO]	2.0791E-68	Btg2	0.34923339	0.78033794	6.475E-64
-2.0386527	1.90372071	condition[T.KO]	8.1152E-66	Tmem132e	0.11243612	0.66436252	2.5273E-61
-1.3588815	1.48324108	condition[T.KO]	2.0861E-65	Atf3	0.18143101	0.55683564	6.4966E-61
-0.6827876	1.19988332	condition[T.KO]	8.4533E-65	Id1	0.34412266	0.81490015	2.6324E-60
-1.33437	1.4546877	condition[T.KO]	6.7953E-64	Nectin1	0.2274276	0.75499232	2.1161E-59
-2.2807021	2.0524979	condition[T.KO]	4.0814E-63	Cyp1b1	0.07921635	0.55376344	1.2709E-58
-1.0523542	1.31530036	condition[T.KO]	1.2525E-62	Ppp1r27	0.25383305	0.65975422	3.8999E-58
-1.3875121	1.46161885	condition[T.KO]	3.6895E-62	Bcl2l11	0.20783646	0.66897081	1.1488E-57
-0.1069909	-1.4183316	condition[T.KO]	4.9996E-61	Kcnd2	0.39608177	0.15745008	1.5567E-56
-1.3998093	1.44748697	condition[T.KO]	2.2166E-60	Gadd45b	0.20783646	0.62826421	6.9015E-56
-1.0545818	1.2789726	condition[T.KO]	5.2806E-59	Mir6236	0.28279387	0.70737327	1.6441E-54
-1.259807	1.36438112	condition[T.KO]	7.2985E-59	Rn7sk	0.2197615	0.56451613	2.2722E-54
-0.4969357	1.08458171	condition[T.KO]	2.8579E-58	Socs3	0.35093697	0.80875576	8.8971E-54
-1.4497795	1.4473428	condition[T.KO]	3.0212E-58	Klf4	0.16439523	0.5952381	9.4054E-54
-0.9601013	1.22208255	condition[T.KO]	5.0488E-57	Calb1	0.23168654	0.60829493	1.5717E-52
-0.6575354	1.11809951	condition[T.KO]	7.8152E-57	Tmod1	0.36541738	0.8202765	2.4328E-52
-0.6217702	1.10430059	condition[T.KO]	1.61E-56	Cpne6	0.33219761	0.79569892	5.0116E-52
-2.4884942	2.10316079	condition[T.KO]	1.0685E-55	Gpr88	0.07495741	0.50691244	3.3258E-51
-1.6206148	1.50010139	condition[T.KO]	2.2848E-55	Rps18-ps6	0.15587734	0.57680492	7.1118E-51
-0.1532216	0.97137267	condition[T.KO]	5.0127E-55	Basp1	0.46422487	0.82488479	1.5602E-50
-2.0275752	1.71983659	condition[T.KO]	1.0782E-53	Irf1	0.11158433	0.48924731	3.3559E-49
-1.8841155	1.61905745	condition[T.KO]	4.7602E-53	Cebpd	0.10902896	0.48847926	1.4815E-48
-1.6170556	1.45712794	condition[T.KO]	3.028E-52	Hopx	0.14054514	0.55222734	9.4237E-48
-0.3542506	0.98539742	condition[T.KO]	1.5743E-51	Mxra7	0.4770017	0.83256528	4.8993E-47
-0.7225132	1.07737777	condition[T.KO]	9.5079E-51	Nfkb1a	0.35860307	0.79953917	2.9589E-46
-1.542251	1.39660935	condition[T.KO]	1.5086E-50	Cit	0.16013629	0.57373272	4.6945E-46

-0.6347026	1.04842444	condition[T.KO]	1.9022E-50	Cdkn1a	0.36712095	0.79569892	5.9193E-46
-0.1084011	0.90981388	condition[T.KO]	3.6011E-49	Cmss1	0.56218058	0.86866359	1.1206E-44
-1.3715287	1.28608036	condition[T.KO]	3.7162E-48	Brinp2	0.21635434	0.66052227	1.1563E-43
-1.808463	1.48911842	condition[T.KO]	2.9677E-47	Pip5kl1	0.14906303	0.55606759	9.234E-43
-0.983903	1.12390583	condition[T.KO]	2.98E-47	Ndst3	0.24787053	0.70583717	9.272E-43
-0.2607388	0.92218348	condition[T.KO]	3.9062E-47	Camk1d	0.51107325	0.84946237	1.2153E-42
-2.0096382	1.59822496	condition[T.KO]	9.7893E-47	Rnaset2a	0.12521295	0.56221198	3.0456E-42
-1.7604716	1.45389899	condition[T.KO]	1.1963E-46	Inpp4b	0.11839864	0.49615975	3.7219E-42
-0.5593541	-1.5041466	condition[T.KO]	1.409E-46	Pygm	0.33730835	0.1374808	4.3833E-42
-1.0686638	1.14481006	condition[T.KO]	1.7464E-46	Gprc5c	0.29131175	0.74116743	5.4328E-42
-2.713909	2.11046859	condition[T.KO]	3.5274E-46	Myo1h	0.060477	0.40168971	1.0973E-41
-0.5370234	0.97588703	condition[T.KO]	5.6415E-46	Cdh4	0.38841567	0.81490015	1.7549E-41
-2.1605843	1.67998385	condition[T.KO]	6.8055E-46	BC023719	0.10221465	0.4984639	2.1169E-41
-0.9807028	1.10490538	condition[T.KO]	1.0265E-45	Fbln2	0.28279387	0.7311828	3.1929E-41
-0.4646605	0.95263909	condition[T.KO]	1.7451E-45	Arcp1b	0.41567291	0.84869432	5.4279E-41
-1.8236829	1.46959032	condition[T.KO]	1.9713E-45	Shisa6	0.13287905	0.48847926	6.1314E-41
-0.2941237	0.91157534	condition[T.KO]	2.5733E-45	Lars2	0.51022147	0.8655914	8.0033E-41
-0.7173685	1.01442875	condition[T.KO]	5.3677E-45	Klf6	0.34156729	0.74270353	1.6694E-40
-2.5098389	1.90682225	condition[T.KO]	1.314E-44	Hbegf	0.07751278	0.4546851	4.0864E-40
-0.4810834	-1.3685421	condition[T.KO]	1.3644E-44	Lhfp	0.44207836	0.14746544	4.2431E-40
-0.086619	0.86201655	condition[T.KO]	1.5694E-44	Vim	0.52470187	0.86175115	4.8805E-40
-1.7110045	1.3949614	condition[T.KO]	1.9142E-44	Nr4a1	0.14565588	0.50768049	5.9527E-40
-1.2259492	1.17015498	condition[T.KO]	8.3702E-44	Bgn	0.2350937	0.67434716	2.6028E-39
-1.1798966	1.14945717	condition[T.KO]	1.4887E-43	Jph4	0.23850085	0.66129032	4.629E-39
0.07368989	0.82388105	condition[T.KO]	1.7553E-43	Sostdc1	0.52470187	0.84946237	5.4579E-39
-0.936271	-2.7195433	condition[T.KO]	1.909E-43	Gm15543	0.26064736	0.02918587	5.9357E-39
-0.9079757	1.05261758	condition[T.KO]	2.6222E-43	Sdc4	0.29982964	0.7250384	8.153E-39
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-0.6385283	0.96679989	condition[T.KO]	1.1518E-42	Lap3	0.38926746	0.80184332	3.581E-38
-0.1584932	0.84344814	condition[T.KO]	2.7338E-41	Junb	0.44889267	0.83026114	8.499E-37
-1.3777108	1.19455978	condition[T.KO]	3.7957E-41	Casp3	0.22572402	0.62442396	1.18E-36
-0.7160333	0.97012318	condition[T.KO]	4.1145E-41	Sox2	0.36541738	0.76420891	1.2791E-36

-1.9725838	1.47592831	condition[T.KO]	8.8336E-41	Cyp4f14	0.10988075	0.45238095	2.746E-36
-0.7509074	0.97105375	condition[T.KO]	2.2898E-40	Tmem176b	0.33475298	0.77572965	7.118E-36
-0.7638194	0.97450248	condition[T.KO]	2.3649E-40	Palmd	0.33986371	0.73732719	7.351E-36
-0.8635627	0.99582578	condition[T.KO]	9.8811E-40	Nfe2l2	0.33560477	0.76036866	3.0713E-35
-0.4771545	0.89222781	condition[T.KO]	1.4167E-39	Slc1a3	0.40715503	0.79800307	4.4033E-35
-1.6121303	1.27231094	condition[T.KO]	1.507E-39	Mir703	0.18313458	0.61827957	4.684E-35
-0.6958722	0.94359224	condition[T.KO]	2.5968E-39	Gpr37l1	0.37308348	0.79032258	8.0709E-35
-0.5680437	0.90859722	condition[T.KO]	4.141E-39	Creb5	0.40204429	0.78648233	1.287E-34
-1.1922844	1.09491815	condition[T.KO]	4.4318E-39	Zfp36l1	0.20868825	0.58064516	1.3773E-34
-1.3180288	1.14146642	condition[T.KO]	4.5969E-39	Crtac1	0.21465077	0.57450077	1.4286E-34
-2.9239914	2.11175438	condition[T.KO]	1.8188E-38	Mpp3	0.0528109	0.41013825	5.652E-34
-0.8169231	0.96639966	condition[T.KO]	1.9195E-38	Anxa2	0.33816014	0.74577573	5.9648E-34
-2.4596249	1.72913161	condition[T.KO]	5.4091E-38	Il31ra	0.08177172	0.38632873	1.6808E-33
-0.705518	-1.3784458	condition[T.KO]	7.6123E-38	Mafa	0.31686542	0.12672811	2.3654E-33
-1.2569734	1.09864476	condition[T.KO]	1.1566E-37	Fgfbp3	0.23083475	0.62442396	3.5938E-33
-1.8068609	1.33321867	condition[T.KO]	1.3614E-37	Espn	0.11754685	0.34639017	4.23E-33
-1.1480636	1.05623489	condition[T.KO]	2.1725E-37	Rilpl1	0.27001704	0.66743472	6.7498E-33
-2.0966291	1.47666094	condition[T.KO]	5.8169E-37	Atp5g2	0.11669506	0.44470046	1.8072E-32
-0.5222617	0.87117344	condition[T.KO]	7.9804E-37	Zfp704	0.43100511	0.83026114	2.4793E-32
0.57469226	-0.780795	condition[T.KO]	1.4083E-36	Rasgrp2	0.64480409	0.54301075	4.3753E-32
-0.7606159	0.92735971	condition[T.KO]	1.4848E-36	Slc2a13	0.3330494	0.75115207	4.6126E-32
-0.5972793	0.88444446	condition[T.KO]	1.8937E-36	Pea15a	0.40715503	0.80568356	5.8827E-32
-1.2430189	1.0714594	condition[T.KO]	4.053E-36	Hmcn1	0.17206133	0.42857143	1.259E-31
-0.6453309	0.8919207	condition[T.KO]	4.2735E-36	Bloc1s1	0.39608177	0.76267281	1.3275E-31
-0.5068635	0.85828067	condition[T.KO]	4.9705E-36	Kcnj10	0.40800681	0.8156682	1.5439E-31
-0.4870616	0.85295128	condition[T.KO]	5.8915E-36	Itm2a	0.4318569	0.79646697	1.83E-31
-0.5805072	0.87403351	condition[T.KO]	6.4244E-36	Zfp36	0.32964225	0.74116743	1.9954E-31
-2.1618192	1.49319043	condition[T.KO]	7.0464E-36	Defb42	0.10391823	0.42857143	2.1885E-31
-0.3878881	0.82769722	condition[T.KO]	1.2561E-35	F3	0.42759796	0.7734255	3.9013E-31
-0.757776	0.91480153	condition[T.KO]	1.2822E-35	Tspan15	0.36030664	0.77572965	3.9822E-31
-1.8523843	1.31742354	condition[T.KO]	2.0882E-35	Anxa4	0.13117547	0.49231951	6.4851E-31
-1.137931	1.02411177	condition[T.KO]	2.4501E-35	Gjb1	0.26746167	0.66973886	7.6087E-31

-0.7168756	0.90032367	condition[T.KO]	2.5635E-35	Myo10	0.36712095	0.76267281	7.9606E-31
-0.1880301	0.78380692	condition[T.KO]	3.495E-35	Scd1	0.49488927	0.83947773	1.0853E-30
-2.4281487	1.63638965	condition[T.KO]	8.4145E-35	Agpat4	0.08006814	0.4109063	2.6129E-30
-0.4068464	0.82135483	condition[T.KO]	9.5305E-35	Dkk3	0.44463373	0.81950845	2.9593E-30
-1.3960399	1.10507868	condition[T.KO]	1.3377E-34	Tmem37	0.21039182	0.60368664	4.1535E-30
-0.6732163	0.87981244	condition[T.KO]	1.4492E-34	Kcnip2	0.34923339	0.71966206	4.4996E-30
-0.6143162	0.86451273	condition[T.KO]	1.738E-34	Ttyh1	0.39352641	0.80491551	5.3961E-30
-0.2947145	0.7945104	condition[T.KO]	2.2484E-34	Slc66a2	0.51703578	0.84178187	6.9807E-30
-0.3691352	0.80689388	condition[T.KO]	3.5319E-34	Rgs17	0.47274276	0.81490015	1.0965E-29
-0.8919333	0.92940592	condition[T.KO]	6.1686E-34	Nrp1	0.28875639	0.66359447	1.915E-29
-0.2179619	0.77290914	condition[T.KO]	9.5729E-34	Lmna	0.52385009	0.83640553	2.9718E-29
-0.593557	0.84997991	condition[T.KO]	1.0268E-33	Klf2	0.31005111	0.66513057	3.1876E-29
-2.7955789	1.87497517	condition[T.KO]	1.103E-33	Serpinb1a	0.04429302	0.24731183	3.424E-29
-1.2570667	1.03920371	condition[T.KO]	1.3224E-33	Mmgt2	0.24105622	0.6328725	4.1047E-29
-1.8754957	1.2945665	condition[T.KO]	1.5322E-33	Scx	0.12606474	0.4500768	4.7561E-29
-1.2153531	1.02247339	condition[T.KO]	1.9146E-33	Igsf8	0.24787053	0.66205837	5.9426E-29
-0.5317797	0.83180886	condition[T.KO]	2.1897E-33	Hip1	0.42163543	0.78187404	6.7963E-29
-1.2260073	1.02510777	condition[T.KO]	2.2258E-33	Gamt	0.24616695	0.65514593	6.9084E-29
-1.1419252	0.99206159	condition[T.KO]	4.9547E-33	Cnih2	0.25979557	0.63133641	1.5377E-28
-0.0849797	0.74094264	condition[T.KO]	5.97E-33	Serpine2	0.51873935	0.85407066	1.8528E-28
-0.4446518	0.80650139	condition[T.KO]	7.3822E-33	Nid1	0.43441227	0.80875576	2.291E-28
-1.4562309	1.09913117	condition[T.KO]	8.7729E-33	Spock1	0.19165247	0.50614439	2.7225E-28
-2.1894806	1.44353394	condition[T.KO]	1.0452E-32	A830018L16F	0.09028961	0.40168971	3.2436E-28
-1.1718417	-3.113356	condition[T.KO]	1.9967E-32	Kcnip3	0.24531516	0.01459293	6.1961E-28
-0.078072	0.73307973	condition[T.KO]	2.3285E-32	Fosb	0.45655877	0.81259601	7.2254E-28
-1.1135847	0.97213319	condition[T.KO]	2.7084E-32	Crip2	0.2649063	0.66282642	8.4039E-28
-1.6903254	1.18609787	condition[T.KO]	2.8482E-32	Hgf	0.15076661	0.46313364	8.8373E-28
-0.7765349	0.87390725	condition[T.KO]	4.0301E-32	Fdft1	0.35689949	0.74500768	1.2504E-27
-0.3243355	0.77108592	condition[T.KO]	6.3801E-32	Cdk8	0.48722317	0.84178187	1.9795E-27
-0.7588986	0.86625778	condition[T.KO]	6.9209E-32	Antxr1	0.35093697	0.7265745	2.1472E-27
-0.8579635	0.891534	condition[T.KO]	7.4923E-32	Litaf	0.33986371	0.7281106	2.3244E-27
-0.9072592	0.9030301	condition[T.KO]	1.0236E-31	Col4a1	0.30919932	0.70583717	3.1757E-27

-1.0308412	-1.4901129	condition[T.KO]	1.4467E-31	Fam184b	0.28620102	0.09139785	4.4879E-27
-2.3872617	1.53033916	condition[T.KO]	2.3635E-31	Rab20	0.08603066	0.39938556	7.3318E-27
-0.396996	0.77717331	condition[T.KO]	2.8481E-31	Klf13	0.47444634	0.82334869	8.8348E-27
-0.8466701	0.88032063	condition[T.KO]	2.9123E-31	Fdps	0.33986371	0.71812596	9.0337E-27
-0.377215	0.77286252	condition[T.KO]	3.0811E-31	Sema3b	0.45741056	0.83179724	9.5569E-27
-0.0240792	0.71096555	condition[T.KO]	3.5716E-31	Fxyd3	0.48126065	0.82411674	1.1078E-26
-2.0477878	1.33353139	condition[T.KO]	3.9495E-31	Kitl	0.10477002	0.43394777	1.225E-26
-3.0470714	2.00478899	condition[T.KO]	5.0783E-31	Itga8	0.04173765	0.28110599	1.575E-26
-1.3639072	1.03311802	condition[T.KO]	7.7306E-31	H1f4	0.20698467	0.546851	2.3976E-26
-0.4201964	0.77455243	condition[T.KO]	1.0684E-30	Stmn4	0.44974446	0.75115207	3.3134E-26
0.14206153	0.68155697	condition[T.KO]	1.1114E-30	Egr1	0.50170358	0.83102919	3.4467E-26
-1.5034318	1.08086795	condition[T.KO]	1.2785E-30	Dusp18	0.19761499	0.55760369	3.9648E-26
-0.8169105	0.86260145	condition[T.KO]	1.5016E-30	Grcc10	0.35264055	0.62288786	4.6565E-26
-0.0343654	0.7041861	condition[T.KO]	1.8562E-30	Sh3bp5	0.53577513	0.85637481	5.7559E-26
-1.4693974	1.06174671	condition[T.KO]	2.9518E-30	Lrrtm4	0.14821124	0.48540707	9.1528E-26
-0.7993278	0.8524987	condition[T.KO]	3.7771E-30	Acaa2	0.3713799	0.75192012	1.1712E-25
-0.4578789	0.77447969	condition[T.KO]	4.2191E-30	Mras	0.45826235	0.79800307	1.3082E-25
-1.2749337	0.98933885	condition[T.KO]	4.9454E-30	Ubb-ps	0.24446337	0.58371736	1.5333E-25
-1.5809528	1.09834575	condition[T.KO]	6.6752E-30	Kcnmb4	0.18568995	0.56221198	2.0696E-25
-0.5636359	0.79302707	condition[T.KO]	7.8985E-30	Tnfrsf12a	0.39948893	0.73502304	2.4488E-25
-3.6850863	2.60525243	condition[T.KO]	8.0563E-30	St8sia2	0.02129472	0.31643625	2.4976E-25
-2.1278255	1.34555186	condition[T.KO]	9.6767E-30	Gpr37	0.11073254	0.41167435	2.9999E-25
-0.1528775	0.71363778	condition[T.KO]	1.0963E-29	Gng11	0.49403748	0.8172043	3.3987E-25
-1.6903254	1.1360439	condition[T.KO]	1.5366E-29	Clec2d	0.15843271	0.51228879	4.7634E-25
-0.9879259	0.89297111	condition[T.KO]	1.7395E-29	Csrp1	0.30153322	0.67665131	5.3921E-25
-1.7383099	1.15522516	condition[T.KO]	1.7462E-29	Plat	0.15332198	0.51305684	5.4126E-25
-0.8168347	0.84603162	condition[T.KO]	2.1987E-29	2610035D17f	0.33986371	0.70122888	6.8152E-25
-0.375114	0.7483191	condition[T.KO]	2.4917E-29	Tcerg1l	0.46081772	0.80798771	7.7231E-25
-1.2360295	0.96466112	condition[T.KO]	2.6823E-29	Ccn1	0.18057922	0.4969278	8.3135E-25
-0.476921	0.76684372	condition[T.KO]	3.1931E-29	Cyp2j6	0.43611584	0.81490015	9.8964E-25
-0.6981126	0.81481668	condition[T.KO]	3.2666E-29	Them5	0.35519591	0.68894009	1.0124E-24
0.47719203	0.6254463	condition[T.KO]	3.6028E-29	Cd63	0.62350937	0.87403994	1.1166E-24

-0.3693771	0.74507906	condition[T.KO]	3.6635E-29	Gadd45g	0.43356048	0.76190476	1.1353E-24
-0.8971148	0.86001573	condition[T.KO]	6.2977E-29	Tm7sf3	0.33390119	0.73579109	1.9516E-24
-1.3471166	0.99530246	condition[T.KO]	6.3695E-29	Rdh5	0.22146508	0.57296467	1.9738E-24
-0.7501813	0.82260972	condition[T.KO]	6.8358E-29	Rrbp1	0.36797274	0.75115207	2.1182E-24
-1.4477415	1.02899404	condition[T.KO]	7.9165E-29	Nipal1	0.19931857	0.52764977	2.453E-24
0.59798903	0.60908904	condition[T.KO]	9.6899E-29	Fos	0.58091993	0.859447	3.0024E-24
0.29697207	0.64007952	condition[T.KO]	9.8339E-29	Ybx1	0.6516184	0.88325653	3.0469E-24
-0.3129679	0.7287476	condition[T.KO]	1.063E-28	Egr2	0.44633731	0.80721966	3.2934E-24
-0.2366013	0.71530787	condition[T.KO]	1.0754E-28	H2bc4	0.49318569	0.82258065	3.3317E-24
-1.6348593	1.09683172	condition[T.KO]	1.1799E-28	Mfsd2a	0.17035775	0.49308756	3.6555E-24
-0.1081716	0.69364999	condition[T.KO]	1.2259E-28	Phlda3	0.55110733	0.85176651	3.798E-24
-1.6446524	1.09849945	condition[T.KO]	1.5525E-28	Rspo1	0.16950596	0.50614439	4.8095E-24
-1.7574601	1.14424729	condition[T.KO]	1.6956E-28	Gpr146	0.16183986	0.50614439	5.2525E-24
-0.9249705	0.8607838	condition[T.KO]	1.7385E-28	Cdr2	0.31005111	0.66820276	5.3852E-24
-0.8112003	0.83109026	condition[T.KO]	1.8934E-28	Crym	0.31516184	0.61674347	5.8651E-24
-1.8661769	1.18782483	condition[T.KO]	2.6408E-28	Gxylt2	0.1286201	0.43394777	8.18E-24
-0.9200807	0.85600691	condition[T.KO]	2.96E-28	Hadh	0.32367973	0.70583717	9.1683E-24
0.15579614	-0.7537155	condition[T.KO]	3.3827E-28	Sema3d	0.56303237	0.4562212	1.0477E-23
-0.412057	0.74018192	condition[T.KO]	3.5941E-28	Ier2	0.39097104	0.75499232	1.1132E-23
-0.2183696	0.70471292	condition[T.KO]	4.2071E-28	Lamb1	0.4923339	0.83026114	1.303E-23
-0.9205238	0.85375739	condition[T.KO]	4.2436E-28	Abat	0.31942078	0.70814132	1.3142E-23
0.09927117	0.65718791	condition[T.KO]	4.2539E-28	Pappa	0.58773424	0.86175115	1.3174E-23
-1.8214402	1.1614707	condition[T.KO]	5.5553E-28	Gm17359	0.13713799	0.41781874	1.7204E-23
-1.3020467	0.96391305	condition[T.KO]	5.8106E-28	Tmem176a	0.20954003	0.57450077	1.7994E-23
-0.0539907	0.6764431	condition[T.KO]	6.5351E-28	C1ql3	0.56218058	0.83333333	2.0237E-23
-0.3062747	0.71733127	condition[T.KO]	6.5529E-28	Ptprd	0.42333901	0.77265745	2.0291E-23
-1.2213991	0.93719133	condition[T.KO]	6.569E-28	mt-Co2	0.25809199	0.63210445	2.034E-23
-0.9165111	0.84944206	condition[T.KO]	6.9634E-28	Phgdh	0.3109029	0.70583717	2.1561E-23
-1.047065	0.88455405	condition[T.KO]	7.3517E-28	Fxyd1	0.26575809	0.60675883	2.2762E-23
-0.8495198	0.83184858	condition[T.KO]	7.4528E-28	Car14	0.33049404	0.71505376	2.3075E-23
-0.5610654	0.76526738	condition[T.KO]	7.9447E-28	Cavin3	0.4088586	0.77726575	2.4597E-23
-1.2046557	0.9298151	condition[T.KO]	8.8759E-28	Metrn	0.25553663	0.62211982	2.7479E-23

-1.8118051	1.15171272	condition[T.KO]	1.046E-27	ler3	0.1132879	0.40015361	3.2381E-23
-0.7759131	0.81127081	condition[T.KO]	1.1095E-27	Igsf11	0.34241908	0.72734255	3.4348E-23
-0.3899588	0.72948379	condition[T.KO]	1.1131E-27	Tiparp	0.45570698	0.78264209	3.4456E-23
-1.8379778	1.16168019	condition[T.KO]	1.2233E-27	Kcnd1	0.14224872	0.47695853	3.7867E-23
-0.5684213	0.76396025	condition[T.KO]	1.2731E-27	Farp1	0.41311755	0.75652842	3.9408E-23
-0.5034461	0.75063529	condition[T.KO]	1.2749E-27	Metrl	0.43441227	0.77803379	3.9461E-23
-1.2428441	0.93750969	condition[T.KO]	1.5859E-27	Slc2a1	0.24190801	0.62672811	4.9088E-23
-2.2320166	1.35001176	condition[T.KO]	1.6016E-27	Map3k14	0.10051107	0.40015361	4.957E-23
-1.9460634	1.20764078	condition[T.KO]	1.621E-27	Ccdc162	0.1286201	0.42089094	5.0169E-23
-0.8922463	0.83635743	condition[T.KO]	1.9527E-27	Cacna2d1	0.3109029	0.66973886	6.0433E-23
-2.1826146	1.31941219	condition[T.KO]	2.4885E-27	Acot1	0.10477002	0.41705069	7.7013E-23
0.34011544	0.61884042	condition[T.KO]	2.5665E-27	Mal	0.59625213	0.86175115	7.9427E-23
-2.7667756	1.67172419	condition[T.KO]	2.824E-27	Gstp1	0.05962521	0.30721966	8.739E-23
-0.3502008	0.71615572	condition[T.KO]	3.1601E-27	Plpp3	0.45144804	0.81797235	9.7788E-23
-1.3503417	-1.7168602	condition[T.KO]	4.2951E-27	Lrrc14b	0.2197615	0.05376344	1.3291E-22
-0.4899926	0.73994588	condition[T.KO]	4.8663E-27	St6gal1	0.4241908	0.79339478	1.5058E-22
-1.5759003	1.04343757	condition[T.KO]	4.9264E-27	Taco1	0.1890971	0.50691244	1.5243E-22
-2.3389477	1.39421739	condition[T.KO]	6.1281E-27	H4c4	0.08688245	0.37327189	1.8961E-22
-1.9830132	1.21098989	condition[T.KO]	6.9753E-27	Nes	0.13373083	0.43087558	2.1582E-22
-0.7889796	0.80252113	condition[T.KO]	7E-27	Mtarc2	0.35519591	0.72887865	2.1657E-22
-1.367679	0.96647238	condition[T.KO]	7.3236E-27	Dlgap2	0.18313458	0.4546851	2.2658E-22
-1.3652137	0.96508862	condition[T.KO]	7.8757E-27	Hspb8	0.19591141	0.50537634	2.4365E-22
-0.4639527	0.73176203	condition[T.KO]	8.1655E-27	Col9a3	0.42248722	0.75422427	2.5261E-22
-0.8442591	0.81485148	condition[T.KO]	8.1871E-27	Serpinh1	0.32453152	0.7250384	2.5327E-22
-1.219706	0.91766265	condition[T.KO]	8.8684E-27	Cox7a1	0.23764906	0.56451613	2.7434E-22
-0.5909127	0.75600018	condition[T.KO]	1.0066E-26	Pabpn1	0.4241908	0.79339478	3.1138E-22
-2.3579653	1.39768658	condition[T.KO]	1.1765E-26	D330041H03	0.09028961	0.38940092	3.6391E-22
-0.4110022	0.7195348	condition[T.KO]	1.181E-26	Jam2	0.44548552	0.81259601	3.6531E-22
-3.1952414	1.98392238	condition[T.KO]	1.1977E-26	Rnps1-ps	0.03918228	0.30721966	3.7044E-22
-1.9153582	1.17471899	condition[T.KO]	1.2351E-26	Gm43362	0.13884157	0.48003072	3.8199E-22
-1.58309	1.03850252	condition[T.KO]	1.2365E-26	Dleu2	0.15587734	0.46927803	3.8242E-22
-0.9834431	0.84767497	condition[T.KO]	1.2381E-26	Prdx4	0.31345826	0.69662058	3.8292E-22

0.48366088	0.59441017	condition[T.KO]	1.7314E-26	Jun	0.65417376	0.87557604	5.3545E-22
-2.4966288	1.47217564	condition[T.KO]	2.0028E-26	Kcna6	0.07069847	0.28110599	6.1936E-22
0.01280692	0.64726341	condition[T.KO]	2.4434E-26	Id2	0.55706985	0.85714286	7.5561E-22
-0.282745	0.69207361	condition[T.KO]	2.629E-26	Stat3	0.51192504	0.8202765	8.1298E-22
0.51116537	0.58960028	condition[T.KO]	2.6702E-26	Id3	0.63032368	0.87941628	8.2566E-22
-0.3267068	0.69893996	condition[T.KO]	2.9557E-26	Cdc14a	0.46678024	0.79646697	9.1393E-22
-0.5387959	-0.9436798	condition[T.KO]	3.9264E-26	Dusp27	0.43611584	0.23425499	1.214E-21
-0.6410258	0.75795659	condition[T.KO]	3.9866E-26	Cyp51	0.4011925	0.75883257	1.2326E-21
-0.5336603	0.73565741	condition[T.KO]	4.0626E-26	Clec18a	0.41141397	0.7749616	1.2561E-21
0.0119339	0.64398594	condition[T.KO]	4.5351E-26	Uba52	0.59369676	0.78878648	1.4021E-21
-3.2369795	1.99806759	condition[T.KO]	4.6591E-26	Gm10263	0.03662692	0.30568356	1.4404E-21
0.14941748	-0.7196587	condition[T.KO]	4.838E-26	Kash5	0.58517888	0.42626728	1.4957E-21
-1.1074502	0.87184383	condition[T.KO]	5.0326E-26	Diaph3	0.26149915	0.65284178	1.5558E-21
-0.1088635	0.66006264	condition[T.KO]	5.6193E-26	Lrrc55	0.54599659	0.84178187	1.7371E-21
-0.0622337	0.65267125	condition[T.KO]	6.201E-26	Hmgcr	0.54088586	0.84715822	1.9168E-21
-1.2386347	0.90878404	condition[T.KO]	6.3102E-26	Fads2	0.24872232	0.60829493	1.9505E-21
-1.6501141	1.04986138	condition[T.KO]	6.449E-26	Foxd3	0.16098807	0.48847926	1.9934E-21
-1.303295	0.92789654	condition[T.KO]	7.181E-26	Fam3c	0.22827939	0.60829493	2.2196E-21
-0.2631695	0.68224869	condition[T.KO]	8.0696E-26	Col14a1	0.47018739	0.81105991	2.4942E-21
-1.1278668	0.87399529	condition[T.KO]	8.3135E-26	Bet1l	0.27512777	0.6328725	2.5695E-21
0.04453402	0.63622387	condition[T.KO]	8.3462E-26	Fermt2	0.59710392	0.87096774	2.5795E-21
-1.1898727	0.89186487	condition[T.KO]	8.5135E-26	Triobp	0.26235094	0.61674347	2.6311E-21
-0.2134683	0.67312448	condition[T.KO]	9.6419E-26	Rims3	0.51277683	0.79569892	2.9797E-21
-1.0340719	0.84618829	condition[T.KO]	1.0573E-25	Per1	0.28875639	0.66513057	3.2673E-21
-0.5735422	0.73754071	condition[T.KO]	1.0859E-25	Paqr6	0.41056218	0.77956989	3.3556E-21
-0.1173258	0.65754329	condition[T.KO]	1.0944E-25	Phactr1	0.53151618	0.83333333	3.3817E-21
-2.0377149	1.20707187	condition[T.KO]	1.4053E-25	Slc15a5	0.120954	0.39708141	4.3425E-21
-0.9419465	0.819322	condition[T.KO]	1.5472E-25	Chrm3	0.26660988	0.5875576	4.7807E-21
-1.0549041	-1.242896	condition[T.KO]	1.6387E-25	Gm19461	0.28109029	0.10215054	5.0633E-21
-1.3464325	0.93368929	condition[T.KO]	1.9888E-25	Igf2bp2	0.22231687	0.56451613	6.1448E-21
-2.4183774	1.39948317	condition[T.KO]	2.0036E-25	Hspa1b	0.07921635	0.36175115	6.1904E-21
-1.0901885	0.85537413	condition[T.KO]	2.4799E-25	Nck2	0.27938671	0.62903226	7.6617E-21

-0.3611126	0.69204826	condition[T.KO]	2.5723E-25	Bhlhe40	0.47359455	0.78264209	7.947E-21
-1.4591819	0.96894992	condition[T.KO]	2.5896E-25	Rab34	0.20357751	0.56067588	8.0001E-21
-1.1008044	0.85740288	condition[T.KO]	2.8117E-25	Lactb	0.28449744	0.6374808	8.6861E-21
-0.4562956	0.7087233	condition[T.KO]	2.8195E-25	C78859	0.45315162	0.75883257	8.7098E-21
-0.8193922	0.78505376	condition[T.KO]	2.861E-25	Tmem145	0.33645656	0.67511521	8.8376E-21
-0.2683518	0.67442689	condition[T.KO]	3.5118E-25	Eci1	0.51192504	0.80721966	1.0848E-20
-0.1860653	0.6611293	condition[T.KO]	3.605E-25	Pdlim7	0.52896082	0.8172043	1.1135E-20
-1.1143058	0.8592786	condition[T.KO]	3.6359E-25	Gsta4	0.25042589	0.62058372	1.123E-20
-2.8844986	1.68815157	condition[T.KO]	3.7968E-25	Npl	0.05195911	0.30568356	1.1727E-20
-0.9102497	0.80432877	condition[T.KO]	4.2256E-25	Lama4	0.31942078	0.69892473	1.3051E-20
-1.1380121	0.864821	condition[T.KO]	4.2409E-25	Dhrs4	0.27938671	0.6390169	1.3098E-20
-0.7830085	0.77391893	condition[T.KO]	4.2482E-25	Pttg1p	0.36115843	0.7281106	1.312E-20
0.14862566	0.61339662	condition[T.KO]	4.7586E-25	Atp1a1	0.60902896	0.87403994	1.4695E-20
-3.8209152	2.53867786	condition[T.KO]	4.8545E-25	Hrk	0.02129472	0.24423963	1.4991E-20
-2.1684361	1.25614837	condition[T.KO]	5.3218E-25	Ddit4	0.10647359	0.40322581	1.6434E-20
-1.297051	0.9085802	condition[T.KO]	6.6333E-25	Csrp2	0.22657581	0.55145929	2.0483E-20
-1.5695776	0.99958275	condition[T.KO]	6.7799E-25	Fcgrt	0.1890971	0.51996928	2.0935E-20
0.0522826	0.62342177	condition[T.KO]	6.9519E-25	Cyfp1	0.58773424	0.86482335	2.1465E-20
-0.3025851	0.67558208	condition[T.KO]	7.4687E-25	Snhg18	0.45741056	0.79800307	2.306E-20
-0.3101335	0.67643725	condition[T.KO]	7.9932E-25	Gtf2ird1	0.49063032	0.81950845	2.4679E-20
-0.683942	0.74609477	condition[T.KO]	1.0186E-24	Creb3l2	0.39352641	0.74961598	3.1448E-20
-0.3517462	0.6817389	condition[T.KO]	1.0709E-24	Srgn	0.44122658	0.75192012	3.3061E-20
-0.6591238	0.73989171	condition[T.KO]	1.1725E-24	Fjx1	0.38926746	0.71274962	3.6197E-20
0.35411627	0.58520702	condition[T.KO]	1.2221E-24	Gldn	0.61243612	0.87864823	3.7728E-20
-0.0318259	0.63131174	condition[T.KO]	1.261E-24	mt-Atp6	0.57325383	0.86635945	3.8928E-20
-3.002245	1.75591881	condition[T.KO]	1.3108E-24	Maff	0.04684838	0.27956989	4.0464E-20
-0.2470249	0.66216191	condition[T.KO]	1.5337E-24	Cntn2	0.52129472	0.82258065	4.7343E-20
-1.3393133	0.91411539	condition[T.KO]	1.7337E-24	Zfp703	0.23594549	0.55913978	5.3514E-20
-0.8914082	0.78938646	condition[T.KO]	1.8364E-24	Prelid3a	0.33390119	0.68202765	5.6684E-20
0.57847115	0.56163533	condition[T.KO]	1.9075E-24	Fxyd6	0.62010221	0.86789555	5.8874E-20
-2.8907353	1.66775073	condition[T.KO]	2.1223E-24	Arid5a	0.05366269	0.29416283	6.5504E-20
-0.096255	0.63710114	condition[T.KO]	2.22E-24	Sparc	0.49403748	0.80952381	6.8516E-20

-1.3722036	0.92242792	condition[T.KO]	2.2526E-24	Dhh	0.21635434	0.54301075	6.952E-20
-1.9494977	1.13924224	condition[T.KO]	2.295E-24	A230103L15F	0.13202726	0.42165899	7.0826E-20
-1.4668143	0.95238278	condition[T.KO]	2.5753E-24	Btbd11	0.20613288	0.51843318	7.9475E-20
-0.2446888	0.65821824	condition[T.KO]	2.7758E-24	Gnai2	0.52555366	0.84715822	8.5659E-20
-1.2931756	-1.4207242	condition[T.KO]	3.0587E-24	Lsmem1	0.22827939	0.07450077	9.4385E-20
-0.5717839	0.71527536	condition[T.KO]	3.3037E-24	Gm44645	0.41226576	0.74654378	1.0194E-19
-1.2038026	0.86803245	condition[T.KO]	3.3074E-24	Gadd45a	0.25638842	0.53686636	1.0205E-19
-0.302511	0.66629729	condition[T.KO]	3.4329E-24	Nrsn2	0.46337308	0.78264209	1.0592E-19
-0.2347077	0.65493864	condition[T.KO]	3.6784E-24	Selenos	0.52981261	0.82872504	1.1349E-19
-1.4418744	0.94039356	condition[T.KO]	3.9751E-24	Dcn	0.13713799	0.47695853	1.2264E-19
-0.3244281	0.66877568	condition[T.KO]	4.1496E-24	Dpf3	0.47955707	0.78955453	1.2802E-19
-0.2156273	0.65017935	condition[T.KO]	4.9372E-24	Msmo1	0.50596252	0.8187404	1.5232E-19
-0.791973	0.75837983	condition[T.KO]	5.5368E-24	Rgcc	0.31175468	0.62749616	1.7081E-19
-1.6766564	1.0197891	condition[T.KO]	5.8559E-24	Stat2	0.17120954	0.48003072	1.8065E-19
-1.6455644	1.00789683	condition[T.KO]	6.0751E-24	Atp1b2	0.15502555	0.48847926	1.8741E-19
-0.4785689	0.69344928	condition[T.KO]	6.1372E-24	Timp2	0.4318569	0.78264209	1.8931E-19
-2.1994372	1.24453975	condition[T.KO]	6.2964E-24	Vwa5a	0.10391823	0.34562212	1.9422E-19
-0.673869	0.73153205	condition[T.KO]	6.5322E-24	Erg28	0.40800681	0.76113671	2.0149E-19
-2.7044397	1.52420272	condition[T.KO]	8.1758E-24	Nme2	0.06473595	0.30184332	2.5217E-19
-1.2708697	0.88057263	condition[T.KO]	8.2352E-24	Cd151	0.2427598	0.59293395	2.54E-19
-1.4703908	0.94359035	condition[T.KO]	8.3399E-24	Stard5	0.20357751	0.52073733	2.5722E-19
-0.2166561	0.64677772	condition[T.KO]	8.8922E-24	Sncg	0.46678024	0.75883257	2.7424E-19
-1.5209058	0.95860002	condition[T.KO]	1.0622E-23	Cx3cl1	0.18739353	0.51152074	3.276E-19
-0.3078309	0.65776263	condition[T.KO]	1.5748E-23	Gjc3	0.46252129	0.79339478	4.8566E-19
-1.2265945	0.86114135	condition[T.KO]	1.8326E-23	Hacd2	0.25553663	0.60983103	5.6515E-19
-1.301224	0.88261558	condition[T.KO]	1.9729E-23	Flywch2	0.24020443	0.55913978	6.0839E-19
-2.527085	1.4050557	condition[T.KO]	2.0358E-23	Smad6	0.07495741	0.3218126	6.2777E-19
-1.5245115	0.95396093	condition[T.KO]	2.0761E-23	Vwc2	0.17632027	0.48617512	6.4016E-19
-0.2193245	-0.7657576	condition[T.KO]	2.1051E-23	Phf24	0.52129472	0.3609831	6.4907E-19
-2.063238	1.16646687	condition[T.KO]	2.214E-23	Fkbp5	0.11499148	0.34024578	6.8263E-19
-2.178653	1.22002479	condition[T.KO]	2.2976E-23	Tst	0.10562181	0.39477727	7.084E-19
-1.6847892	1.010044	condition[T.KO]	2.3398E-23	Hmox1	0.16780239	0.47235023	7.2138E-19

-1.0597428	0.81315528	condition[T.KO]	2.3591E-23	Ldlr	0.26831346	0.60291859	7.273E-19
-1.2343012	0.86006001	condition[T.KO]	2.772E-23	Wls	0.2350937	0.56835637	8.5457E-19
-1.1850339	0.84586237	condition[T.KO]	2.8135E-23	Itpr3	0.25638842	0.62596006	8.6735E-19
-0.8085325	0.75055696	condition[T.KO]	2.8728E-23	Ddit3	0.35349233	0.6797235	8.856E-19
-1.6414692	0.99205917	condition[T.KO]	2.9258E-23	Rassf1	0.18228279	0.48079877	9.019E-19
-1.6510619	0.99554513	condition[T.KO]	2.9269E-23	Sbno2	0.17206133	0.47235023	9.0222E-19
-0.4166515	0.67162947	condition[T.KO]	3.2345E-23	Mgst1	0.44037479	0.7718894	9.9699E-19
-0.6797697	0.72097386	condition[T.KO]	3.6899E-23	Idi1	0.37734242	0.71351767	1.1373E-18
-1.1232377	0.82663536	condition[T.KO]	3.6967E-23	ENSMUSG000	0.27683135	0.61904762	1.1394E-18
-0.4419076	0.67491394	condition[T.KO]	3.8765E-23	Ptprn	0.45059625	0.78955453	1.1948E-18
-2.1220078	1.18707663	condition[T.KO]	4.0003E-23	Nectin4	0.11158433	0.36328725	1.2329E-18
-0.5603098	0.69586081	condition[T.KO]	4.4578E-23	Cldn19	0.4011925	0.75422427	1.3738E-18
-2.0523579	1.15273133	condition[T.KO]	5.0543E-23	9330188P03F	0.11669506	0.37711214	1.5576E-18
-1.7217443	1.01628607	condition[T.KO]	5.2445E-23	Mpst	0.16524702	0.48003072	1.6162E-18
-0.8948397	0.76554566	condition[T.KO]	5.6759E-23	Fam76a	0.33049404	0.68817204	1.7491E-18
-1.5915164	0.96642945	condition[T.KO]	6.8687E-23	Ccnd2	0.16439523	0.42319508	2.1166E-18
-1.5170883	0.94048052	condition[T.KO]	7.1668E-23	Arhgef10	0.19846678	0.52918587	2.2084E-18
-1.0369724	0.79843568	condition[T.KO]	7.4916E-23	Ebp	0.30153322	0.65668203	2.3084E-18
-1.6620683	0.99074595	condition[T.KO]	7.5559E-23	Fabp7	0.14821124	0.40092166	2.3281E-18
-2.0034121	1.12653515	condition[T.KO]	7.7728E-23	Bambi	0.12265758	0.37788018	2.3949E-18
-1.4144063	0.90616956	condition[T.KO]	7.7838E-23	Polr3d	0.21379898	0.52688172	2.3982E-18
-0.7082766	0.72160437	condition[T.KO]	7.9438E-23	Smox	0.36456559	0.74116743	2.4474E-18
-0.613605	0.70227946	condition[T.KO]	8.0081E-23	Ccnl1	0.40289608	0.7688172	2.4671E-18
-0.5525639	0.6900505	condition[T.KO]	8.5107E-23	Gna11	0.44122658	0.7764977	2.6219E-18
0.25416619	0.57229024	condition[T.KO]	8.5825E-23	Col1a2	0.59284497	0.86482335	2.6439E-18
-0.7571339	0.73142783	condition[T.KO]	8.6221E-23	Kdm6b	0.37393526	0.70276498	2.656E-18
-0.9143106	0.76704321	condition[T.KO]	8.6675E-23	Banp	0.32367973	0.6843318	2.6699E-18
-1.2515713	0.85534019	condition[T.KO]	9.1938E-23	Hspb2	0.23679727	0.58218126	2.832E-18
-1.846792	1.0589182	condition[T.KO]	9.6452E-23	A930009A15I	0.13713799	0.37864823	2.9709E-18
-1.0031472	0.78787189	condition[T.KO]	9.7281E-23	Rin2	0.30238501	0.64362519	2.9963E-18
-2.0237594	1.13285555	condition[T.KO]	9.8989E-23	Sertad1	0.12265758	0.39708141	3.0489E-18
-0.4552391	0.67103126	condition[T.KO]	1.0102E-22	Vps36	0.4548552	0.78648233	3.1113E-18

-1.1883499	0.83648753	condition[T.KO]	1.0242E-22	Nfkbiz	0.22827939	0.57142857	3.1545E-18
-0.4655343	0.67256995	condition[T.KO]	1.0569E-22	Cdh1	0.43611584	0.78341014	3.2549E-18
-0.6614358	0.70992729	condition[T.KO]	1.0608E-22	Cd200	0.39011925	0.73271889	3.2667E-18
-1.8081706	1.04212645	condition[T.KO]	1.121E-22	Irf9	0.15417376	0.43471582	3.4522E-18
-0.5659318	0.69042206	condition[T.KO]	1.1748E-22	Tgfb3	0.4241908	0.75345622	3.6176E-18
-1.230661	0.84729242	condition[T.KO]	1.1793E-22	Ptpn1	0.25468484	0.59600614	3.6313E-18
-0.0300972	0.6035477	condition[T.KO]	1.3726E-22	Chd3	0.58688245	0.85560676	4.2266E-18
-0.2423039	0.63273512	condition[T.KO]	1.6338E-22	Tjp2	0.50255537	0.82411674	5.0306E-18
-1.4189638	0.89943701	condition[T.KO]	2.0013E-22	Dok6	0.20357751	0.49308756	6.1619E-18
-0.6109918	0.69524683	condition[T.KO]	2.0745E-22	Npnt	0.40034072	0.72580645	6.3871E-18
-0.1275905	0.61429458	condition[T.KO]	2.0971E-22	Tmem50a	0.56899489	0.84485407	6.4565E-18
-0.8568245	0.74669196	condition[T.KO]	2.2297E-22	Ppfibp1	0.3330494	0.67741935	6.8646E-18
-0.4830016	0.67058594	condition[T.KO]	2.2859E-22	Tbc1d8	0.44207836	0.76190476	7.0373E-18
-0.8889353	0.75381263	condition[T.KO]	2.3111E-22	Rarb	0.31856899	0.65745008	7.1146E-18
-1.5046384	0.92566403	condition[T.KO]	2.3631E-22	Notch1	0.19591141	0.52073733	7.2746E-18
-0.3396915	0.64570674	condition[T.KO]	2.3967E-22	Ptprm	0.47359455	0.79339478	7.3776E-18
-1.3615087	0.87947041	condition[T.KO]	2.5578E-22	Ptprn2	0.21805792	0.51305684	7.8733E-18
-1.0082069	0.78168538	condition[T.KO]	2.5786E-22	Dnajb12	0.30238501	0.65514593	7.9371E-18
-0.0571973	0.60313242	condition[T.KO]	2.6688E-22	Ctnnal1	0.56558773	0.85560676	8.2144E-18
-0.9255645	0.76052503	condition[T.KO]	2.9717E-22	Rab12	0.32197615	0.67895545	9.1465E-18
-0.0946509	0.60742309	condition[T.KO]	3.0387E-22	Ahi1	0.55451448	0.84024578	9.3525E-18
-1.4304398	0.89920946	condition[T.KO]	3.1103E-22	Cdh11	0.19335605	0.50998464	9.5726E-18
-0.8719092	0.74692797	condition[T.KO]	3.443E-22	Olfm2	0.34582624	0.67357911	1.0596E-17
-1.3301876	0.86739422	condition[T.KO]	3.4712E-22	Arvcf	0.24105622	0.57373272	1.0683E-17
-1.4734188	0.91146202	condition[T.KO]	3.6884E-22	Setd4	0.20698467	0.53072197	1.1351E-17
-2.0495398	1.12978126	condition[T.KO]	3.7452E-22	Rhoc	0.11499148	0.37634409	1.1525E-17
-2.0344562	1.12313315	condition[T.KO]	3.7616E-22	Tle3	0.12606474	0.4124424	1.1575E-17
-1.8255435	1.03682341	condition[T.KO]	3.7659E-22	Etv5	0.13884157	0.37173579	1.1588E-17
-1.3607459	0.87541933	condition[T.KO]	3.9889E-22	Nsg2	0.21890971	0.54454685	1.2274E-17
-0.6746233	0.70297614	condition[T.KO]	4.2066E-22	Ptpre	0.39097104	0.72580645	1.2943E-17
-1.4381933	0.89889441	condition[T.KO]	4.26E-22	Hyi	0.2120954	0.51152074	1.3107E-17
-0.9204384	0.75626366	condition[T.KO]	4.4557E-22	Mgat4b	0.3253833	0.68356375	1.3709E-17

-1.355055	0.87254327	condition[T.KO]	4.5587E-22	Lpcat2	0.22146508	0.55299539	1.4025E-17
-1.8718081	1.05243872	condition[T.KO]	4.8956E-22	Flrt1	0.13969336	0.40552995	1.5061E-17
-1.3213301	0.86145516	condition[T.KO]	5.1126E-22	Uck2	0.22913118	0.53072197	1.5728E-17
-1.2710979	0.84641535	condition[T.KO]	5.3283E-22	Ddx23	0.23764906	0.56682028	1.6391E-17
-2.3205905	1.25312326	condition[T.KO]	5.358E-22	Pros1	0.08858603	0.33026114	1.6482E-17
-0.7340212	0.71299351	condition[T.KO]	5.7354E-22	Gng12	0.36541738	0.73502304	1.7643E-17
-1.5807861	0.94311025	condition[T.KO]	5.7701E-22	Leprot	0.18228279	0.51536098	1.7749E-17
0.06849572	0.58208122	condition[T.KO]	6.1101E-22	Heatr5a	0.59625213	0.84715822	1.8794E-17
-2.705585	1.46457255	condition[T.KO]	6.1797E-22	Pcp4l1	0.05366269	0.18740399	1.9008E-17
-0.7135553	-0.9098309	condition[T.KO]	6.3432E-22	Sdk2	0.3637138	0.19815668	1.951E-17
-2.3586307	1.26732299	condition[T.KO]	8.083E-22	Sspo	0.08432709	0.34562212	2.486E-17
-0.8514516	0.73563129	condition[T.KO]	8.4308E-22	Fgf18	0.32879046	0.65207373	2.5929E-17
-1.2816955	0.84461502	condition[T.KO]	9.4726E-22	Nr2f2	0.22913118	0.5437788	2.9132E-17
-1.5170821	0.91615991	condition[T.KO]	1.0585E-21	Sox2ot	0.18313458	0.48463902	3.2551E-17
-2.7667756	1.49365517	condition[T.KO]	1.1204E-21	Mmd2	0.060477	0.29032258	3.4454E-17
-1.7482477	0.99602124	condition[T.KO]	1.1688E-21	Mknk1	0.16013629	0.44623656	3.5942E-17
-1.0247439	0.77395732	condition[T.KO]	1.1823E-21	Thap3	0.29982964	0.65130568	3.6354E-17
0.37857896	0.54458783	condition[T.KO]	1.2052E-21	Spacdr	0.6439523	0.88248848	3.7058E-17
-0.9192025	0.7484036	condition[T.KO]	1.2088E-21	Psme2	0.32964225	0.66743472	3.7168E-17
-1.7497029	0.99573183	condition[T.KO]	1.2705E-21	Sema4d	0.15076661	0.42473118	3.9064E-17
-1.2715422	0.83914825	condition[T.KO]	1.2795E-21	Nkap	0.24531516	0.57142857	3.934E-17
-0.4970887	0.66138891	condition[T.KO]	1.2975E-21	Gm1043	0.43100511	0.73195084	3.989E-17
-2.4953703	1.3322132	condition[T.KO]	1.4112E-21	Syne4	0.07921635	0.29953917	4.3386E-17
-2.0254373	1.10246238	condition[T.KO]	1.7371E-21	Cables1	0.12691652	0.39093702	5.3404E-17
-1.7647191	0.99804928	condition[T.KO]	1.7624E-21	Mideas	0.15843271	0.42857143	5.418E-17
-3.1701103	1.76417306	condition[T.KO]	1.799E-21	Plekhf1	0.04173765	0.25652842	5.5303E-17
-0.1151773	0.59896357	condition[T.KO]	1.864E-21	Hmgn1	0.5528109	0.85637481	5.7301E-17
-1.7574601	0.99477952	condition[T.KO]	1.8647E-21	Tbc1d10a	0.16269165	0.45852535	5.732E-17
-0.3103367	0.62680948	condition[T.KO]	2.1187E-21	Atp2b3	0.48381601	0.78571429	6.5126E-17
-0.7584147	0.70856127	condition[T.KO]	2.1346E-21	Vcl	0.35860307	0.69815668	6.561E-17
-0.0214756	0.58555587	condition[T.KO]	2.1809E-21	Art3	0.53747871	0.84792627	6.7033E-17
-0.8808372	0.73509215	condition[T.KO]	2.1836E-21	mt-Co3	0.34412266	0.70046083	6.7112E-17

-1.7410213	0.98642055	condition[T.KO]	2.3424E-21	Lpcat3	0.16269165	0.453149	7.1992E-17
-0.094034	0.59463844	condition[T.KO]	2.3469E-21	Igfbp2	0.48296422	0.80798771	7.2129E-17
-0.7899319	0.71427003	condition[T.KO]	2.4346E-21	Mmp24	0.37393526	0.69431644	7.4819E-17
-0.5084787	0.65898296	condition[T.KO]	2.4782E-21	Cemip2	0.44889267	0.77956989	7.6156E-17
-2.6071133	1.38686173	condition[T.KO]	2.4807E-21	ENSMUSG000	0.07069847	0.33256528	7.6232E-17
-1.5594622	0.92183592	condition[T.KO]	2.5996E-21	ENSMUSG000	0.18398637	0.48079877	7.9884E-17
-0.6185379	0.67839689	condition[T.KO]	2.8475E-21	Fasn	0.41311755	0.74500768	8.7497E-17
-3.4523786	1.98466255	condition[T.KO]	2.9521E-21	Slc44a5	0.02555366	0.21121352	9.0708E-17
-0.7919862	0.71315082	condition[T.KO]	3.0028E-21	Rtn4rl1	0.36626917	0.69738863	9.2264E-17
-1.0332713	0.7683371	condition[T.KO]	3.1396E-21	Wwtr1	0.28279387	0.61904762	9.6464E-17
-0.7226151	0.69817317	condition[T.KO]	3.2008E-21	Abca1	0.36712095	0.70737327	9.8341E-17
-1.4729728	0.89105247	condition[T.KO]	3.4673E-21	Gm26532	0.16524702	0.44086022	1.0652E-16
-1.0124596	0.76238675	condition[T.KO]	3.4901E-21	Ddx18	0.30408859	0.62980031	1.0722E-16
-0.9962738	0.75842471	condition[T.KO]	3.5051E-21	Slc7a5	0.29812606	0.62980031	1.0768E-16
-0.8664448	0.72776606	condition[T.KO]	3.7391E-21	Cyb561d2	0.3407155	0.67127496	1.1486E-16
-0.6954029	0.69145156	condition[T.KO]	3.777E-21	Eif2ak3	0.38586031	0.71966206	1.1602E-16
-1.5160104	0.90375122	condition[T.KO]	3.9044E-21	Wipi1	0.18994889	0.51305684	1.1994E-16
-3.4700261	1.99264506	condition[T.KO]	4.2558E-21	Lrrtm2	0.0306644	0.23425499	1.3072E-16
0.33466936	0.54139067	condition[T.KO]	4.3501E-21	Itih5	0.59284497	0.8671275	1.3362E-16
-1.4061341	0.8676524	condition[T.KO]	4.6318E-21	Angpt2	0.20613288	0.50460829	1.4226E-16
-1.0859134	0.77800229	condition[T.KO]	4.8598E-21	Pisd	0.28279387	0.63056836	1.4926E-16
-1.5562337	0.91465756	condition[T.KO]	4.9674E-21	Cmtm5	0.18483816	0.48387097	1.5256E-16
-2.5555481	1.34800528	condition[T.KO]	5.0563E-21	Ctxn1	0.07069847	0.31950845	1.5529E-16
-0.1463047	0.59692186	condition[T.KO]	5.0579E-21	Tppp3	0.53407155	0.79032258	1.5533E-16
0.2805422	0.54583132	condition[T.KO]	5.1119E-21	Timp3	0.60051107	0.87019969	1.5699E-16
-0.485593	0.64948445	condition[T.KO]	5.4544E-21	Flnb	0.45826235	0.78341014	1.675E-16
-3.1470588	1.72559377	condition[T.KO]	5.9853E-21	H2ac18	0.04173765	0.24654378	1.838E-16
-1.6154692	0.93261507	condition[T.KO]	6.0705E-21	Galk1	0.17887564	0.48694316	1.8641E-16
-0.7849288	0.70634757	condition[T.KO]	6.1109E-21	H1f2	0.33816014	0.65130568	1.8764E-16
-0.786262	0.70571474	condition[T.KO]	6.904E-21	Ppp1r10	0.35775128	0.71121352	2.1199E-16
-1.186852	0.80124195	condition[T.KO]	7.0635E-21	Ifnar2	0.26149915	0.58371736	2.1688E-16
-1.3281614	0.84040479	condition[T.KO]	7.3008E-21	Pvt1	0.22402044	0.49539171	2.2415E-16

-0.2727047	0.61279559	condition[T.KO]	7.3698E-21	Ctnna1	0.4846678	0.82488479	2.2627E-16
-0.3097614	0.61833703	condition[T.KO]	7.5152E-21	Dnajc3	0.51277683	0.81336406	2.3073E-16
-0.217109	0.6043473	condition[T.KO]	7.6049E-21	Ahnak	0.49488927	0.80645161	2.3347E-16
-2.7075112	1.4286586	condition[T.KO]	7.9696E-21	Gm9856	0.06388416	0.30184332	2.4466E-16
-1.3569183	0.84764073	condition[T.KO]	8.3376E-21	Ifitm2	0.18739353	0.51689708	2.5595E-16
-1.0972452	0.77514867	condition[T.KO]	9.7845E-21	Smpdl3a	0.27342419	0.61597542	3.0036E-16
-0.7606453	0.69728493	condition[T.KO]	1.0401E-20	Sox4	0.36541738	0.68894009	3.1928E-16
-0.6942748	0.68373481	condition[T.KO]	1.0521E-20	Pitpnb	0.39522998	0.7281106	3.2296E-16
-0.8569185	0.71721566	condition[T.KO]	1.1265E-20	Ankra2	0.34412266	0.66820276	3.4577E-16
-1.2414239	0.81205229	condition[T.KO]	1.1316E-20	Dusp26	0.25042589	0.53686636	3.4731E-16
-1.7837997	0.98557152	condition[T.KO]	1.201E-20	Cd3eap	0.15502555	0.44086022	3.6862E-16
-1.320504	0.83374611	condition[T.KO]	1.2076E-20	Ddx21	0.22998296	0.53379416	3.7061E-16
-0.2094619	0.60008179	condition[T.KO]	1.232E-20	Gpr137c	0.51022147	0.81105991	3.7809E-16
-0.5923899	0.66280495	condition[T.KO]	1.2661E-20	Plaat3	0.4088586	0.74731183	3.8857E-16
-0.9297981	0.73241717	condition[T.KO]	1.3059E-20	Slc25a23	0.32282794	0.64746544	4.0074E-16
-1.6732827	0.94492497	condition[T.KO]	1.3179E-20	Plin3	0.17291312	0.47235023	4.0444E-16
0.4276845	0.5258263	condition[T.KO]	1.4028E-20	Mt2	0.58858603	0.85176651	4.3047E-16
-2.4267225	1.26532221	condition[T.KO]	1.4307E-20	ENSMUSG000	0.08688245	0.32949309	4.3901E-16
-0.9285126	0.73134847	condition[T.KO]	1.4408E-20	Cdc42ep2	0.32367973	0.61136713	4.4211E-16
-0.8617936	0.71637778	condition[T.KO]	1.4429E-20	Lncppara	0.33475298	0.66820276	4.4273E-16
-1.1238689	0.77858852	condition[T.KO]	1.4667E-20	Mtus2	0.27512777	0.57603687	4.5001E-16
-0.6843009	0.67901263	condition[T.KO]	1.5287E-20	B4galt5	0.39267462	0.70967742	4.6901E-16
-3.530178	2.017273	condition[T.KO]	1.6618E-20	Rps2-ps10	0.02981261	0.24347158	5.0983E-16
-0.6792988	0.6774089	condition[T.KO]	1.6633E-20	Kdelr1	0.39948893	0.74270353	5.1027E-16
-0.584317	0.6591463	condition[T.KO]	1.711E-20	6330403K07F	0.3560477	0.69354839	5.2491E-16
-1.5094227	0.88756412	condition[T.KO]	1.7494E-20	Cd82	0.20017036	0.50537634	5.3668E-16
-1.0402266	0.7557634	condition[T.KO]	1.8448E-20	Megf10	0.28194208	0.62672811	5.6592E-16
-0.5834923	0.65825928	condition[T.KO]	1.8952E-20	Utp11	0.41567291	0.75576037	5.8134E-16
-1.0893346	0.7669296	condition[T.KO]	2.0779E-20	Abhd4	0.28534923	0.62211982	6.3737E-16
-1.5917917	0.91210476	condition[T.KO]	2.2086E-20	Trib1	0.18398637	0.43855607	6.7746E-16
-0.7378476	0.6869218	condition[T.KO]	2.2223E-20	Med19	0.37223169	0.68509985	6.8162E-16
-1.2394938	0.80509063	condition[T.KO]	2.3782E-20	Prss23	0.24616695	0.53456221	7.2941E-16

0.18262726	0.54672294	condition[T.KO]	2.4171E-20	Plxdc2	0.61499148	0.86866359	7.4132E-16
-2.2992882	1.19522211	condition[T.KO]	2.4428E-20	Neto2	0.09369676	0.3141321	7.4919E-16
-0.5602733	0.65206725	condition[T.KO]	2.4875E-20	Mxd4	0.43100511	0.76113671	7.6288E-16
-1.3992383	0.85024161	condition[T.KO]	2.5083E-20	Bcl10	0.2197615	0.53072197	7.6921E-16
-2.761264	1.44360175	condition[T.KO]	2.5141E-20	Lrrc75a	0.05962521	0.29262673	7.7096E-16
-1.2108439	0.79675597	condition[T.KO]	2.5425E-20	Sec24d	0.25553663	0.55913978	7.7964E-16
-0.1225661	0.58311507	condition[T.KO]	2.5986E-20	Bcas1	0.52470187	0.8218126	7.9683E-16
-1.5170199	0.88596088	condition[T.KO]	2.672E-20	Pik3ip1	0.19505963	0.51536098	8.1931E-16
-1.5509302	0.89680342	condition[T.KO]	2.6856E-20	2310033P09F	0.18824532	0.49615975	8.2346E-16
-0.2750705	0.60450152	condition[T.KO]	2.6978E-20	Tmtc1	0.49914821	0.80568356	8.2718E-16
-1.2255785	0.80000477	condition[T.KO]	2.7635E-20	Fam122a	0.2572402	0.56758833	8.473E-16
-1.2117479	0.7959265	condition[T.KO]	2.8785E-20	Elovl1	0.25212947	0.58064516	8.8253E-16
-0.3481733	0.61514297	condition[T.KO]	2.9285E-20	Zfp608	0.46252129	0.78955453	8.9782E-16
-0.6535972	0.66813258	condition[T.KO]	2.9796E-20	Prdm16	0.39182283	0.73732719	9.1345E-16
-2.2972452	1.19126428	condition[T.KO]	3.091E-20	Antkmt	0.09710392	0.33794163	9.4758E-16
-1.3995597	0.84841524	condition[T.KO]	3.0931E-20	Slc17a5	0.21720613	0.52073733	9.4819E-16
0.06350957	0.55854147	condition[T.KO]	3.1204E-20	Hivep3	0.60477002	0.85099846	9.5653E-16
-1.8658688	1.00605875	condition[T.KO]	3.2103E-20	Emp2	0.13373083	0.40706605	9.8406E-16
-0.2858105	0.60441473	condition[T.KO]	3.4699E-20	Rida	0.49574106	0.74731183	1.0636E-15
-1.4100494	0.85020429	condition[T.KO]	3.5787E-20	Cachd1	0.20698467	0.50614439	1.0969E-15
-0.7678162	0.68909861	condition[T.KO]	3.7406E-20	Cdc40	0.36541738	0.71428571	1.1465E-15
-1.6997132	0.94336241	condition[T.KO]	3.8455E-20	Ubash3b	0.15843271	0.39170507	1.1786E-15
-2.123196	1.10884861	condition[T.KO]	3.9534E-20	Tmem159	0.11243612	0.37096774	1.2116E-15
0.57839554	0.5066166	condition[T.KO]	4.2976E-20	Cd9	0.62265758	0.87173579	1.3171E-15
-1.0233535	0.74466281	condition[T.KO]	4.3525E-20	Rnpc3	0.30238501	0.61290323	1.3339E-15
-1.7700855	0.96683316	condition[T.KO]	4.4855E-20	Fbxo10	0.1592845	0.43778802	1.3746E-15
-1.6553283	0.92480993	condition[T.KO]	5.2906E-20	Psmc3ip	0.16269165	0.44777266	1.6213E-15
-2.0686148	1.08179302	condition[T.KO]	5.3816E-20	Gm12166	0.11925043	0.33947773	1.6491E-15
-0.2777179	0.5999879	condition[T.KO]	5.5817E-20	Eci2	0.51448041	0.82411674	1.7103E-15
-0.4122054	0.62069358	condition[T.KO]	5.7632E-20	Arpp21	0.42759796	0.71735791	1.7659E-15
-2.0992811	1.09396008	condition[T.KO]	5.8013E-20	Hells	0.10477002	0.35023041	1.7775E-15
-0.8836852	0.70951961	condition[T.KO]	6.4095E-20	Hsd17b11	0.32793867	0.67050691	1.9638E-15

-1.4168062	0.84672825	condition[T.KO]	6.4711E-20	Ldha	0.19591141	0.5	1.9826E-15
-1.5284716	0.88067094	condition[T.KO]	6.7691E-20	Tmed1	0.1967632	0.51843318	2.0738E-15
0.1376184	0.54516094	condition[T.KO]	6.8709E-20	B230219D22I	0.61073254	0.8625192	2.105E-15
-0.2545428	0.59504349	condition[T.KO]	6.9969E-20	Gas2l3	0.48892675	0.78648233	2.1435E-15
0.03931405	0.5560055	condition[T.KO]	7.313E-20	Brinp3	0.51873935	0.78955453	2.2403E-15
-3.8060353	2.24411302	condition[T.KO]	7.3885E-20	Tfcp2l1	0.01873935	0.21198157	2.2633E-15
-0.7896935	0.68796887	condition[T.KO]	7.7967E-20	Dbp	0.36797274	0.67511521	2.3883E-15
-0.4898007	0.63141053	condition[T.KO]	7.8854E-20	Slitrk3	0.44122658	0.75576037	2.4154E-15
-1.4630018	0.85859892	condition[T.KO]	8.0733E-20	Ctdspl	0.2044293	0.50768049	2.4729E-15
-1.8050971	0.9724918	condition[T.KO]	8.7809E-20	Creld2	0.15332198	0.44162826	2.6895E-15
-0.6765101	0.66448272	condition[T.KO]	8.7881E-20	Dtd1	0.38926746	0.71658986	2.6916E-15
-1.617136	0.90659939	condition[T.KO]	9.0323E-20	Lix1l	0.17376491	0.47158218	2.7663E-15
-0.7381662	0.67623269	condition[T.KO]	9.1898E-20	Islr2	0.32879046	0.57296467	2.8145E-15
-1.2663793	0.80025274	condition[T.KO]	9.4804E-20	S100a16	0.2350937	0.54608295	2.9034E-15
-1.1247272	0.76278864	condition[T.KO]	9.7799E-20	Zfp1	0.28279387	0.61136713	2.995E-15
-1.0265965	0.7386737	condition[T.KO]	9.8788E-20	Igfbp5	0.24190801	0.51612903	3.0252E-15
-1.759103	0.95386898	condition[T.KO]	1.0577E-19	Plxnd1	0.15758092	0.4562212	3.2389E-15
-0.1923132	0.58334127	condition[T.KO]	1.0651E-19	Aif1l	0.50170358	0.81490015	3.2613E-15
-0.9791841	0.72635433	condition[T.KO]	1.1434E-19	Wasf2	0.3032368	0.64439324	3.5011E-15
-2.1987221	1.12923009	condition[T.KO]	1.1507E-19	Eva1c	0.10221465	0.3218126	3.5234E-15
-0.888437	0.70508886	condition[T.KO]	1.2746E-19	Thap2	0.32879046	0.67511521	3.9024E-15
-0.1466498	0.5753838	condition[T.KO]	1.3753E-19	9330162G02I	0.48977853	0.7749616	4.2107E-15
-0.5276221	0.63380818	condition[T.KO]	1.3959E-19	Galnt2	0.44548552	0.7718894	4.2736E-15
-1.3705917	0.82584576	condition[T.KO]	1.4214E-19	Zfp862-ps	0.22487223	0.52380952	4.3515E-15
-1.3530266	0.82016097	condition[T.KO]	1.5235E-19	Sde2	0.22827939	0.53993856	4.664E-15
-0.7586096	0.67642579	condition[T.KO]	1.5277E-19	Col15a1	0.34923339	0.68663594	4.6767E-15
-2.0626246	1.06660934	condition[T.KO]	1.5797E-19	Tgfb3	0.11839864	0.38402458	4.8358E-15
-1.9748267	1.02985644	condition[T.KO]	1.7247E-19	S100a2	0.12776831	0.38018433	5.2796E-15
-2.1524156	1.10376932	condition[T.KO]	1.7275E-19	Pth1r	0.10221465	0.33486943	5.2879E-15
-1.6807978	0.92111262	condition[T.KO]	1.7798E-19	Sdc3	0.17035775	0.4516129	5.4477E-15
0.04078967	0.55005249	condition[T.KO]	1.8017E-19	Arid5b	0.59199319	0.85176651	5.5147E-15
-0.589096	0.64276119	condition[T.KO]	1.8187E-19	Ddost	0.42759796	0.75576037	5.5664E-15

-0.8057093	0.68451522	condition[T.KO]	1.8574E-19	Bphl	0.36456559	0.68663594	5.6847E-15
-0.6255909	0.64895159	condition[T.KO]	1.9381E-19	Cdk4	0.41737649	0.73425499	5.9317E-15
-1.9724956	1.02753172	condition[T.KO]	1.9484E-19	Fzd1	0.12947189	0.38709677	5.9628E-15
-1.6330092	0.90290636	condition[T.KO]	2.193E-19	Klhl11	0.17972743	0.44316436	6.7113E-15
-1.5385572	0.87227353	condition[T.KO]	2.2157E-19	Tbx2	0.18568995	0.48310292	6.7806E-15
-0.1239896	0.56896275	condition[T.KO]	2.2913E-19	Nedd9	0.52640545	0.83256528	7.0116E-15
-2.4555679	1.24239956	condition[T.KO]	2.3073E-19	Gal3st3	0.08432709	0.31950845	7.0605E-15
-0.5246888	0.6294353	condition[T.KO]	2.3704E-19	Cnn3	0.43696763	0.76344086	7.2531E-15
-2.7201409	1.38432777	condition[T.KO]	2.465E-19	Nptx2	0.06303237	0.2764977	7.5425E-15
-2.0669922	1.0630659	condition[T.KO]	2.4803E-19	Ripk1	0.120954	0.36175115	7.5889E-15
-1.8410683	0.9737469	condition[T.KO]	2.6531E-19	Wwc1	0.14480409	0.37711214	8.1176E-15
-0.00072	0.55246851	condition[T.KO]	2.655E-19	Gcsh	0.5758092	0.80030722	8.1228E-15
-0.5678219	0.63610486	condition[T.KO]	2.6711E-19	H2-D1	0.39097104	0.72119816	8.172E-15
-1.4734188	0.85010813	condition[T.KO]	2.7264E-19	Tmem237	0.20783646	0.51536098	8.3408E-15
-0.8965276	0.70061113	condition[T.KO]	2.7683E-19	Apex1	0.3330494	0.65207373	8.4688E-15
-0.418955	0.61035383	condition[T.KO]	2.9001E-19	Oat	0.45655877	0.7764977	8.8716E-15
-0.2388503	0.58300981	condition[T.KO]	2.9348E-19	Ech1	0.52385009	0.83026114	8.9776E-15
-0.6843631	0.65659797	condition[T.KO]	3.0322E-19	Npepl1	0.39948893	0.70814132	9.2753E-15
-0.8798007	0.69615914	condition[T.KO]	3.0678E-19	Bnip2	0.32879046	0.66973886	9.3836E-15
-3.0335711	1.57544542	condition[T.KO]	3.1301E-19	Pirt	0.04599659	0.2281106	9.5739E-15
-0.3434113	0.59770386	condition[T.KO]	3.2536E-19	Ccdc186	0.4846678	0.78648233	9.9514E-15
-1.010022	0.72468569	condition[T.KO]	3.3109E-19	Trim24	0.30068143	0.62596006	1.0126E-14
-0.3810758	-0.7193593	condition[T.KO]	3.3263E-19	Nol4	0.42504259	0.25806452	1.0173E-14
-0.57037	0.63441603	condition[T.KO]	3.5634E-19	Cuedc1	0.42759796	0.75576037	1.0898E-14
-1.4999623	0.85533362	condition[T.KO]	3.6622E-19	Gpkow	0.20613288	0.50076805	1.12E-14
0.05140479	0.54416774	condition[T.KO]	3.6978E-19	Ano3	0.5758092	0.84639017	1.1308E-14
-0.4912326	0.62023752	condition[T.KO]	3.824E-19	Hdgfl3	0.4471891	0.76190476	1.1694E-14
-1.3700264	0.81644502	condition[T.KO]	3.8243E-19	Slc9a3	0.21550256	0.50537634	1.1694E-14
-0.5980577	0.63854493	condition[T.KO]	3.9746E-19	Rph3a	0.34241908	0.59831029	1.2154E-14
0.02355557	0.5467804	condition[T.KO]	4.0758E-19	Dcc	0.3867121	0.71274962	1.2463E-14
-1.3562709	0.81162576	condition[T.KO]	4.2134E-19	Gm5914	0.22998296	0.52304147	1.2883E-14
-1.207658	0.77126444	condition[T.KO]	4.2161E-19	Myo1e	0.25298126	0.546851	1.2891E-14

-1.8343318	0.96551079	condition[T.KO]	4.4766E-19	Erf	0.14565588	0.41935484	1.3687E-14
-1.51573	0.85806425	condition[T.KO]	4.544E-19	ENSMUSG000	0.20187394	0.50230415	1.3892E-14
-1.5031488	0.85413777	condition[T.KO]	4.5694E-19	Pard6g	0.20102215	0.49769585	1.397E-14
-2.4852702	1.24756807	condition[T.KO]	4.6811E-19	Gm10046-1	0.08177172	0.30952381	1.431E-14
-0.0361755	0.55247195	condition[T.KO]	5.1071E-19	Tmem134	0.57666099	0.84946237	1.5612E-14
-0.8542028	0.68623334	condition[T.KO]	5.34E-19	Zfp30	0.34327087	0.64823349	1.6324E-14
0.36289719	0.50950999	condition[T.KO]	5.6061E-19	Mapt	0.65247019	0.87480799	1.7137E-14
-1.2267161	0.77355816	condition[T.KO]	5.6865E-19	Wdsub1	0.26149915	0.55453149	1.7382E-14
-0.0466852	0.55302642	condition[T.KO]	5.7075E-19	Lamc1	0.55451448	0.85637481	1.7445E-14
-1.2255364	0.77320251	condition[T.KO]	5.7158E-19	Slc39a1	0.24446337	0.54147465	1.747E-14
-1.0195437	0.72217327	condition[T.KO]	5.8007E-19	Zfp821	0.29982964	0.61597542	1.7729E-14
-1.529778	0.85935991	condition[T.KO]	6.18E-19	Mettl1	0.19505963	0.47158218	1.8888E-14
-0.549723	-0.7643238	condition[T.KO]	6.2225E-19	Kcnj3	0.39778535	0.26267281	1.9017E-14
-0.6214341	0.63890601	condition[T.KO]	6.6335E-19	Dgkz	0.42333901	0.71735791	2.0273E-14
-0.1601874	0.56655771	condition[T.KO]	6.6614E-19	Pgrmc1	0.5451448	0.84562212	2.0357E-14
-3.1295486	1.62662032	condition[T.KO]	6.9481E-19	Adamts9	0.03747871	0.20583717	2.1233E-14
-0.4578928	0.61032566	condition[T.KO]	6.9716E-19	Tmem86a	0.46763203	0.77419355	2.1304E-14
0.26171048	0.51731789	condition[T.KO]	7.4134E-19	S100a1	0.60477002	0.85637481	2.2653E-14
-1.5548858	0.86522593	condition[T.KO]	7.5188E-19	Rcn1	0.18739353	0.48694316	2.2974E-14
-0.8513845	0.6827004	condition[T.KO]	7.6821E-19	Me2	0.33645656	0.64516129	2.3473E-14
-2.0796741	1.05360593	condition[T.KO]	8.4072E-19	Pnck	0.11073254	0.35099846	2.5687E-14
-1.4785197	0.83989759	condition[T.KO]	9.0862E-19	Rell1	0.19505963	0.47772657	2.7761E-14
-0.4843323	0.61272593	condition[T.KO]	9.0952E-19	Negr1	0.40374787	0.67357911	2.7788E-14
-0.3090219	0.58500721	condition[T.KO]	9.4659E-19	Faf2	0.50425894	0.80798771	2.8919E-14
-1.3266713	0.79572431	condition[T.KO]	9.5107E-19	Prkx	0.22998296	0.52534562	2.9055E-14
-1.2583547	0.77719573	condition[T.KO]	9.545E-19	2610307P16F	0.23339012	0.48540707	2.9159E-14
-0.549784	0.62274781	condition[T.KO]	1.0483E-18	Dnm2	0.43867121	0.74577573	3.2024E-14
-1.1370311	0.7451117	condition[T.KO]	1.0637E-18	Csad	0.27342419	0.58832565	3.2493E-14
-1.2376581	0.77070411	condition[T.KO]	1.0684E-18	Mfap3	0.2572402	0.56989247	3.2635E-14
-0.8701018	0.68336691	condition[T.KO]	1.1476E-18	Syap1	0.34241908	0.64592934	3.5054E-14
-0.7880513	0.66633158	condition[T.KO]	1.1689E-18	Col4a2	0.34497445	0.64976959	3.5704E-14
-1.3131239	0.78981195	condition[T.KO]	1.2018E-18	Plod1	0.23424191	0.55145929	3.6707E-14

-0.2430831	0.57382976	condition[T.KO]	1.2029E-18	Taok3	0.52981261	0.80568356	3.6739E-14
-0.2091228	0.5689821	condition[T.KO]	1.2259E-18	Snw1	0.52981261	0.81490015	3.7439E-14
-0.1302417	0.55834908	condition[T.KO]	1.2442E-18	Zmiz1	0.55110733	0.83870968	3.7998E-14
-0.9459363	0.6989874	condition[T.KO]	1.256E-18	Ppp1r15a	0.30749574	0.59907834	3.8357E-14
-1.2940477	0.78421329	condition[T.KO]	1.2566E-18	Erbb3	0.22827939	0.55453149	3.8375E-14
-1.106814	0.73610772	condition[T.KO]	1.2753E-18	P2rx7	0.27768313	0.58371736	3.8944E-14
0.10614593	0.52986312	condition[T.KO]	1.2937E-18	Rapgef6	0.60647359	0.8609831	3.9505E-14
-1.379345	0.80745733	condition[T.KO]	1.3044E-18	Wbp1l	0.23083475	0.52995392	3.9829E-14
-0.2087714	0.56811291	condition[T.KO]	1.3795E-18	Pak2	0.53833049	0.82488479	4.2121E-14
-0.4882193	0.60969174	condition[T.KO]	1.4948E-18	Astn1	0.43781942	0.74731183	4.5641E-14
-1.8929956	-2.5921855	condition[T.KO]	1.5297E-18	Cntnap3	0.12776831	0.01305684	4.6704E-14
-1.853396	0.95874581	condition[T.KO]	1.5312E-18	Mvd	0.14735945	0.4078341	4.6749E-14
-0.4511319	0.60342327	condition[T.KO]	1.5383E-18	Phlda1	0.44207836	0.68740399	4.6964E-14
-1.7415437	0.91895073	condition[T.KO]	1.5566E-18	Tubb2b	0.15417376	0.38709677	4.752E-14
-1.6695861	0.89451941	condition[T.KO]	1.5796E-18	Trp53bp2	0.17291312	0.4500768	4.8223E-14
-0.6380177	0.63520787	condition[T.KO]	1.5934E-18	Parl	0.40289608	0.74347158	4.8641E-14
-1.6236076	0.87889727	condition[T.KO]	1.6721E-18	Rnf215	0.18398637	0.47619048	5.1041E-14
-0.8526411	0.67603542	condition[T.KO]	1.7972E-18	Ppfibp2	0.32197615	0.61981567	5.486E-14
-1.0036449	0.7087499	condition[T.KO]	1.8257E-18	Sntg1	0.24361158	0.51689708	5.5729E-14
-2.6446455	1.31116513	condition[T.KO]	1.8396E-18	Gas7	0.06558773	0.26190476	5.6151E-14
-2.6320534	1.30405918	condition[T.KO]	1.8757E-18	Lix1	0.07069847	0.27572965	5.7249E-14
-1.1515579	0.74312606	condition[T.KO]	1.991E-18	Gm15270	0.26831346	0.54761905	6.0767E-14
-0.2484801	0.57067186	condition[T.KO]	2.0996E-18	Pkig	0.52385009	0.82411674	6.408E-14
-0.2252681	0.56741681	condition[T.KO]	2.1078E-18	Dhrs7	0.54173765	0.81259601	6.4328E-14
-0.7860304	0.66115926	condition[T.KO]	2.1159E-18	Yeats2	0.36286201	0.67895545	6.4573E-14
-0.7196682	0.64798042	condition[T.KO]	2.1798E-18	Mrtfb	0.36882453	0.70890937	6.6522E-14
-1.2602298	0.76994923	condition[T.KO]	2.2084E-18	Emid1	0.22316865	0.50076805	6.7392E-14
-0.3227166	0.58095315	condition[T.KO]	2.218E-18	Ap2a2	0.49659284	0.78571429	6.7683E-14
-0.4135649	0.59449118	condition[T.KO]	2.3012E-18	Nop56	0.48296422	0.77112135	7.0219E-14
-0.9616014	0.69731915	condition[T.KO]	2.3079E-18	Zcchc14	0.31942078	0.6390169	7.0421E-14
-2.2339306	1.10615539	condition[T.KO]	2.3987E-18	Soga1	0.10051107	0.33794163	7.319E-14
-0.5201607	0.61136133	condition[T.KO]	2.435E-18	Kif26b	0.41993186	0.74500768	7.4293E-14

-1.041083	0.71470821	condition[T.KO]	2.4788E-18	Pdcd11	0.29386712	0.61136713	7.5628E-14
0.83229502	0.46511242	condition[T.KO]	2.5105E-18	Igfbp6	0.60051107	0.85483871	7.6591E-14
0.10188545	0.52592997	condition[T.KO]	2.5295E-18	Dag1	0.60136286	0.86866359	7.7171E-14
-1.0429633	0.71477569	condition[T.KO]	2.586E-18	Cyp39a1	0.27683135	0.61827957	7.8892E-14
-1.0320542	0.71223609	condition[T.KO]	2.5913E-18	Cers2	0.29727428	0.62672811	7.905E-14
-1.6978211	0.89853673	condition[T.KO]	2.6119E-18	Pbxip1	0.16865417	0.43701997	7.9675E-14
-1.1669095	0.74418951	condition[T.KO]	2.7025E-18	As3mt	0.25979557	0.5437788	8.2436E-14
-2.7353112	1.35398768	condition[T.KO]	2.9355E-18	9130019P16F	0.0528109	0.21044547	8.9543E-14
0.00033131	0.53613997	condition[T.KO]	3.0575E-18	Plpp1	0.58006814	0.85023041	9.326E-14
-0.2647256	0.57003441	condition[T.KO]	3.1703E-18	Mxi1	0.51873935	0.82334869	9.6696E-14
-2.4603616	1.20578364	condition[T.KO]	3.6564E-18	Gm7324	0.07921635	0.30184332	1.1152E-13
0.03630565	0.53066784	condition[T.KO]	3.7205E-18	Fyn	0.59028961	0.8671275	1.1347E-13
-0.3668337	0.58365636	condition[T.KO]	3.7874E-18	Pou3f2	0.439523	0.7749616	1.1551E-13
-2.6157192	1.2844772	condition[T.KO]	3.8097E-18	4921511C10F	0.07155026	0.25806452	1.1618E-13
-3.7533216	2.09318308	condition[T.KO]	3.9781E-18	Hmga1b	0.02385009	0.20122888	1.2132E-13
-1.1819964	0.74414606	condition[T.KO]	4.1092E-18	Por	0.2572402	0.57066052	1.2531E-13
0.13337845	0.51931209	condition[T.KO]	4.1322E-18	Nlgn1	0.54940375	0.8202765	1.2601E-13
-2.0286667	1.01313702	condition[T.KO]	4.2945E-18	Ccnd1	0.11754685	0.31259601	1.3095E-13
-1.5507749	0.84614839	condition[T.KO]	4.3122E-18	Mri1	0.19335605	0.48079877	1.3149E-13
-1.9203655	0.97132097	condition[T.KO]	4.3886E-18	Padi2	0.12436116	0.32411674	1.3381E-13
0.30506718	0.50175073	condition[T.KO]	4.476E-18	Kcnip1	0.61413969	0.85483871	1.3647E-13
-0.3224758	0.57558422	condition[T.KO]	4.6434E-18	Mageh1	0.50255537	0.79953917	1.4157E-13
-0.4226767	0.59070254	condition[T.KO]	4.6628E-18	Mettl9	0.48722317	0.78801843	1.4216E-13
-1.437865	0.81173606	condition[T.KO]	4.6715E-18	Magef1	0.21124361	0.48233487	1.4242E-13
-1.082826	0.71821095	condition[T.KO]	5.0474E-18	Pla2g12a	0.29131175	0.5952381	1.5388E-13
0.13536105	0.51772374	condition[T.KO]	5.0917E-18	Tacc1	0.61839864	0.87173579	1.5522E-13
-2.2875506	1.11987105	condition[T.KO]	5.1374E-18	Tlcd1	0.09795571	0.33102919	1.5661E-13
-1.4393926	0.81121702	condition[T.KO]	5.1447E-18	GltP	0.21124361	0.51612903	1.5682E-13
-1.5300687	0.83790579	condition[T.KO]	5.2015E-18	Gpx8	0.18739353	0.47926267	1.5855E-13
-1.2184566	0.7505838	condition[T.KO]	5.5463E-18	Gypc	0.24787053	0.55913978	1.6906E-13
-1.3752024	0.79189503	condition[T.KO]	5.7823E-18	Epb41l4a	0.20868825	0.47465438	1.7624E-13
-0.976886	0.69273185	condition[T.KO]	5.8539E-18	Gpx4-ps2	0.31175468	0.59907834	1.7842E-13

0.01710726	0.52976628	condition[T.KO]	5.8894E-18	Jam3	0.57666099	0.8655914	1.795E-13
-0.9262927	0.68029847	condition[T.KO]	6.9164E-18	Hdac1	0.32793867	0.63517665	2.1079E-13
-1.0169497	0.69993584	condition[T.KO]	7.1546E-18	2810004N23I	0.30919932	0.59600614	2.1804E-13
-1.5311618	0.83472825	condition[T.KO]	7.3145E-18	Ginm1	0.19335605	0.49923195	2.2291E-13
-0.7515757	0.64417805	condition[T.KO]	7.4953E-18	Tns3	0.36626917	0.70660522	2.2841E-13
-0.9691545	0.68852944	condition[T.KO]	7.8183E-18	Napepld	0.30664395	0.61136713	2.3825E-13
-0.9598314	0.6864841	condition[T.KO]	7.8248E-18	Stard9	0.30919932	0.62288786	2.3844E-13
-2.4644381	1.19661955	condition[T.KO]	7.8997E-18	Adprhl1	0.08006814	0.29800307	2.4071E-13
-0.3945526	0.58230732	condition[T.KO]	8.0459E-18	Rhoq	0.47103918	0.7703533	2.4516E-13
-0.9691722	0.68810554	condition[T.KO]	8.2146E-18	Tmem219	0.31601363	0.62749616	2.5029E-13
-0.0185719	0.53131135	condition[T.KO]	8.619E-18	Ssr2	0.58858603	0.84485407	2.626E-13
-0.3427589	0.57382534	condition[T.KO]	8.876E-18	Kalrn	0.47785349	0.76728111	2.7043E-13
-0.1838994	0.55168334	condition[T.KO]	8.8793E-18	Pals2	0.53492334	0.82795699	2.7052E-13
-0.9820181	0.69002616	condition[T.KO]	9.1155E-18	Ndst1	0.32197615	0.6390169	2.777E-13
0.0959589	0.51775894	condition[T.KO]	9.512E-18	Mindy3	0.59795571	0.82795699	2.8977E-13
-0.6624144	0.62541099	condition[T.KO]	9.7696E-18	Ryk	0.40204429	0.73348694	2.9761E-13
-2.0288009	1.0028846	condition[T.KO]	9.9323E-18	Nhsl2	0.11243612	0.32334869	3.0256E-13
0.11329857	0.5154778	condition[T.KO]	1.0134E-17	Sat1	0.5988075	0.8609831	3.0869E-13
-1.6899029	0.88099286	condition[T.KO]	1.0326E-17	Dusp5	0.16269165	0.39554531	3.1454E-13
-0.4282674	0.5855699	condition[T.KO]	1.0412E-17	Ttc39c	0.46592845	0.75729647	3.1715E-13
-0.561942	0.60698906	condition[T.KO]	1.0826E-17	Slc6a6	0.41482112	0.73579109	3.2974E-13
0.44166383	0.48390358	condition[T.KO]	1.1228E-17	Plcb1	0.64991482	0.859447	3.4196E-13
-0.7709253	0.64422044	condition[T.KO]	1.1765E-17	Aldh2	0.35093697	0.68049155	3.5832E-13
0.13259948	0.51237036	condition[T.KO]	1.1893E-17	Anp32b	0.60136286	0.8609831	3.6219E-13
-1.54863	0.83491206	condition[T.KO]	1.1953E-17	Arfgap3	0.19165247	0.47542243	3.6402E-13
-1.6401562	0.86304664	condition[T.KO]	1.2286E-17	Ccdc13	0.17802385	0.44623656	3.7413E-13
-0.1876567	0.549721	condition[T.KO]	1.254E-17	Nav1	0.52470187	0.80645161	3.8188E-13
-1.0589031	0.70409411	condition[T.KO]	1.3163E-17	Lzts2	0.29131175	0.60983103	4.0083E-13
-0.3517151	0.57215303	condition[T.KO]	1.3309E-17	Lman1	0.49318569	0.80184332	4.0525E-13
-0.9919216	0.68881278	condition[T.KO]	1.3449E-17	Crip1	0.24787053	0.53686636	4.095E-13
0.00065504	0.52599708	condition[T.KO]	1.3499E-17	Pmm1	0.55792164	0.81643625	4.1102E-13
-0.9128507	0.67162605	condition[T.KO]	1.3657E-17	Wwc2	0.33049404	0.6390169	4.1581E-13

-0.479697	0.59142967	condition[T.KO]	1.4025E-17	Acadm	0.45400341	0.75806452	4.2701E-13
-1.2308765	0.74501412	condition[T.KO]	1.4085E-17	Phldb1	0.25212947	0.56221198	4.2882E-13
-0.6884001	0.62709358	condition[T.KO]	1.4294E-17	Rnh1	0.38756388	0.69815668	4.3517E-13
-0.5241506	0.59845289	condition[T.KO]	1.4404E-17	Cry2	0.42844974	0.75268817	4.3851E-13
-0.70444	0.62974081	condition[T.KO]	1.4847E-17	Ppp1r14c	0.36882453	0.69508449	4.5197E-13
-0.7821267	0.64444431	condition[T.KO]	1.4896E-17	Thoc3	0.36201022	0.64976959	4.5345E-13
-0.9728966	0.68374124	condition[T.KO]	1.4899E-17	Tulp3	0.31260647	0.60675883	4.5353E-13
-2.2083105	1.07041353	condition[T.KO]	1.5503E-17	Ikzf4	0.10477002	0.31490015	4.719E-13
-0.6238333	0.61482422	condition[T.KO]	1.5562E-17	Brd3	0.41908007	0.72196621	4.7367E-13
-2.1091761	1.02915862	condition[T.KO]	1.5612E-17	Mafk	0.11499148	0.33947773	4.7517E-13
-0.3100391	0.56465763	condition[T.KO]	1.6197E-17	Kcnmb2	0.41141397	0.65514593	4.9297E-13
-0.6914575	0.6265354	condition[T.KO]	1.6417E-17	Cd164l2	0.30749574	0.53609831	4.9965E-13
-2.3491561	1.13124364	condition[T.KO]	1.7E-17	Slitrk2	0.08858603	0.30184332	5.1738E-13
-0.5471262	0.60097651	condition[T.KO]	1.701E-17	Ccdc59	0.43867121	0.7235023	5.1765E-13
-1.0052196	0.68956824	condition[T.KO]	1.7243E-17	Txndc12	0.30238501	0.62826421	5.2474E-13
-0.8609739	0.65855967	condition[T.KO]	1.7943E-17	Gata2	0.32367973	0.64669739	5.4601E-13
-0.3916483	0.57579003	condition[T.KO]	1.8144E-17	Nrg2	0.45826235	0.75652842	5.5211E-13
-0.5041346	0.59329138	condition[T.KO]	1.8386E-17	Asrgl1	0.44463373	0.75576037	5.5945E-13
-0.9683584	0.68082262	condition[T.KO]	1.8581E-17	Lima1	0.3032368	0.60829493	5.6537E-13
-0.6462879	0.61723295	condition[T.KO]	1.8927E-17	Pdcl3	0.40545145	0.70660522	5.7589E-13
-1.1131402	0.71337929	condition[T.KO]	1.9064E-17	Mtr	0.28620102	0.57526882	5.8003E-13
-0.7658996	0.63918227	condition[T.KO]	1.927E-17	Gatm	0.32879046	0.67281106	5.863E-13
-0.9306443	0.6721596	condition[T.KO]	1.9852E-17	Ing1	0.33390119	0.64208909	6.0397E-13
-0.7248891	0.63117224	condition[T.KO]	1.9862E-17	Rab31	0.37223169	0.67127496	6.0427E-13
-1.1821029	0.72960325	condition[T.KO]	1.9879E-17	Afap1l2	0.25042589	0.54761905	6.0477E-13
0.69977029	0.46045296	condition[T.KO]	2.2075E-17	S100a6	0.63287905	0.86943164	6.7155E-13
-0.936164	0.67231006	condition[T.KO]	2.2327E-17	Dock1	0.31942078	0.63133641	6.792E-13
-1.0467401	0.69641956	condition[T.KO]	2.2729E-17	Polr2d	0.29471891	0.59293395	6.914E-13
-0.5127613	0.59279341	condition[T.KO]	2.3499E-17	Phax	0.44293015	0.74039939	7.148E-13
-1.8961254	0.94200176	condition[T.KO]	2.4637E-17	Sult1a1	0.13798978	0.38940092	7.4938E-13
0.29427668	0.49160219	condition[T.KO]	2.4922E-17	Zfp536	0.63969336	0.87557604	7.5802E-13
-4.3774759	2.71410388	condition[T.KO]	2.5889E-17	Vgf	0.01277683	0.11290323	7.8742E-13

-1.2567896	-1.0320542	condition[T.KO]	2.6202E-17	Obscn	0.20187394	0.0952381	7.9691E-13
-1.3536353	0.77109696	condition[T.KO]	2.6282E-17	Cwc25	0.22913118	0.51305684	7.9932E-13
-0.8835504	0.65958773	condition[T.KO]	2.7303E-17	Vamp8	0.30664395	0.65284178	8.3033E-13
-0.6620566	0.61632798	condition[T.KO]	3.0024E-17	Actn4	0.39267462	0.7235023	9.1307E-13
-1.0746082	0.70024924	condition[T.KO]	3.0065E-17	Samd4	0.27512777	0.55222734	9.1429E-13
-1.0401419	0.69146765	condition[T.KO]	3.339E-17	Ctdsp2	0.30153322	0.62365591	1.0153E-12
-1.3797856	0.77579765	condition[T.KO]	3.3418E-17	Mpv17l2	0.2197615	0.51843318	1.0162E-12
-0.8932243	-0.84042	condition[T.KO]	3.4148E-17	Afap1l1	0.29386712	0.18740399	1.0383E-12
-0.7516861	0.63119537	condition[T.KO]	3.6438E-17	Tmem229a	0.36797274	0.69047619	1.1079E-12
-0.0104476	0.52022339	condition[T.KO]	3.7324E-17	Mpzl1	0.54003407	0.85099846	1.1348E-12
0.44956088	0.47529227	condition[T.KO]	3.8959E-17	Cacna1d	0.64565588	0.86866359	1.1845E-12
-0.5656582	0.59717503	condition[T.KO]	4.0903E-17	Bzw2	0.42930153	0.7281106	1.2436E-12
-0.7815915	0.63565388	condition[T.KO]	4.2208E-17	Mmut	0.35434412	0.66820276	1.2832E-12
-1.396421	0.77774419	condition[T.KO]	4.3288E-17	Depdc7	0.21720613	0.52380952	1.316E-12
-0.421922	0.57334424	condition[T.KO]	4.5806E-17	Insig1	0.44889267	0.74039939	1.3925E-12
-1.3612475	0.76756719	condition[T.KO]	4.6018E-17	Mreg	0.22487223	0.48463902	1.3989E-12
-0.2038064	0.5421984	condition[T.KO]	4.7703E-17	Arhgap39	0.5229983	0.8218126	1.4501E-12
-0.0892717	0.52762444	condition[T.KO]	4.871E-17	Plppr4	0.55110733	0.81950845	1.4807E-12
-0.4840469	0.58246392	condition[T.KO]	4.9013E-17	Dusp11	0.44804089	0.76036866	1.4898E-12
-2.3268596	1.10571292	condition[T.KO]	5.0831E-17	Ube2s	0.08773424	0.30337942	1.545E-12
-1.9412103	0.94957614	condition[T.KO]	5.1084E-17	Stard13	0.13373083	0.37711214	1.5526E-12
-0.7941958	0.63625332	condition[T.KO]	5.2402E-17	Tcim	0.32282794	0.62980031	1.5927E-12
-0.143551	0.53377929	condition[T.KO]	5.246E-17	Sar1b	0.5528109	0.83486943	1.5944E-12
-0.6769628	0.61435837	condition[T.KO]	5.3044E-17	Shb	0.38926746	0.69201229	1.6121E-12
-1.705441	0.86771111	condition[T.KO]	5.3799E-17	Nfkbil1	0.16524702	0.44086022	1.6349E-12
-0.2487594	0.54723867	condition[T.KO]	5.4215E-17	Drp2	0.48381601	0.78341014	1.6475E-12
-0.9430993	0.66588161	condition[T.KO]	5.4975E-17	P4ha1	0.31771721	0.640553	1.6706E-12
-1.4597941	0.79279365	condition[T.KO]	5.5963E-17	Slc41a1	0.2044293	0.49462366	1.7006E-12
0.0705142	0.50823704	condition[T.KO]	5.7434E-17	Mical3	0.61413969	0.86943164	1.7452E-12
-0.125201	0.5306176	condition[T.KO]	5.9231E-17	Ralbp1	0.54855196	0.8172043	1.7997E-12
-0.9243376	0.66116576	condition[T.KO]	6.0082E-17	Pdgfc	0.30068143	0.60061444	1.8255E-12
-1.3945814	0.77363453	condition[T.KO]	6.1759E-17	Usp46	0.21635434	0.49385561	1.8764E-12

-1.8515822	0.91470139	condition[T.KO]	6.4613E-17	Gm44562	0.14054514	0.38248848	1.9631E-12
-0.5750951	0.59448975	condition[T.KO]	6.9826E-17	Srek1ip1	0.42248722	0.73348694	2.1214E-12
-0.713917	-0.761936	condition[T.KO]	7.0889E-17	Gm30382	0.20187394	0.12980031	2.1536E-12
-0.0246706	0.51710156	condition[T.KO]	7.3375E-17	Itga6	0.56388416	0.85099846	2.2291E-12
-1.9778596	0.95846479	condition[T.KO]	7.4259E-17	9430041J12R	0.1286201	0.36021505	2.2558E-12
-0.2626066	0.54676252	condition[T.KO]	7.444E-17	Erlec1	0.52896082	0.80414747	2.2613E-12
-0.1997807	0.53833854	condition[T.KO]	7.5221E-17	Hmgcs2	0.47785349	0.79646697	2.2849E-12
-0.3067837	0.55252438	condition[T.KO]	7.7754E-17	Fam133b	0.48892675	0.77803379	2.3618E-12
-1.044975	-0.8954828	condition[T.KO]	7.8571E-17	Cfap161	0.26405451	0.140553	2.3865E-12
-0.2854256	0.54939981	condition[T.KO]	7.9424E-17	Cmip	0.48892675	0.78725038	2.4124E-12
-1.4727328	0.79278944	condition[T.KO]	7.9625E-17	Ephb6	0.20613288	0.48079877	2.4184E-12
-1.4237982	0.77883765	condition[T.KO]	8.14E-17	Ypel2	0.21465077	0.47235023	2.4722E-12
-0.750399	0.62362223	condition[T.KO]	8.75E-17	Sox10	0.3560477	0.6781874	2.6574E-12
-1.8764331	0.91944936	condition[T.KO]	8.985E-17	Dennd2a	0.14310051	0.37634409	2.7287E-12
-0.6920588	0.61266979	condition[T.KO]	9.0411E-17	Slc39a6	0.39097104	0.70737327	2.7456E-12
-1.0336758	0.68098074	condition[T.KO]	9.0438E-17	Nudcd2	0.30068143	0.61751152	2.7463E-12
-1.9488871	-1.8332149	condition[T.KO]	9.3666E-17	Fgf21	0.08688245	0.02304147	2.8443E-12
-1.5020858	0.79933387	condition[T.KO]	9.4962E-17	Dab2ip	0.19761499	0.47465438	2.8835E-12
-0.6182103	0.59920269	condition[T.KO]	9.6179E-17	Epb41l2	0.40289608	0.71658986	2.9204E-12
-0.326093	0.55345354	condition[T.KO]	9.8486E-17	Cnpy2	0.50340716	0.80568356	2.9903E-12
-0.6093011	0.59721705	condition[T.KO]	1.0182E-16	Manbal	0.41482112	0.7296467	3.0916E-12
-0.3874001	0.56193278	condition[T.KO]	1.0327E-16	Fa2h	0.4693356	0.7734255	3.1354E-12
-0.1289199	0.52664052	condition[T.KO]	1.0934E-16	Map4k4	0.55025554	0.84101382	3.3195E-12
-1.294338	0.74129146	condition[T.KO]	1.1006E-16	Pdk2	0.23850085	0.52841782	3.3412E-12
-1.6848828	0.85296431	condition[T.KO]	1.1074E-16	Plod3	0.16865417	0.44623656	3.3619E-12
-0.472513	0.57417975	condition[T.KO]	1.1204E-16	Snx29	0.43696763	0.74347158	3.4013E-12
-1.3848155	0.76489902	condition[T.KO]	1.1214E-16	Ppp2cb	0.21635434	0.5	3.4042E-12
-0.9955667	0.6704948	condition[T.KO]	1.1468E-16	Clybl	0.29642249	0.58678955	3.481E-12
-0.1245765	0.52575633	condition[T.KO]	1.1474E-16	Arhgap19	0.51618399	0.80568356	3.4827E-12
0.23421711	0.48697008	condition[T.KO]	1.1513E-16	Kazn	0.63202726	0.86021505	3.4944E-12
-0.914901	0.65336847	condition[T.KO]	1.1651E-16	Dcp1a	0.32708688	0.63210445	3.5363E-12
-2.2785635	1.07239297	condition[T.KO]	1.203E-16	Ralgds	0.09454855	0.32488479	3.6513E-12

-1.2858777	0.73810619	condition[T.KO]	1.2199E-16	Dera	0.22402044	0.52380952	3.7025E-12
-1.8413941	0.90350743	condition[T.KO]	1.2272E-16	Tnr	0.1286201	0.36328725	3.7245E-12
-0.40278	0.56279594	condition[T.KO]	1.2395E-16	Knop1	0.47103918	0.75268817	3.7616E-12
-1.0089533	0.67201466	condition[T.KO]	1.3341E-16	Lman2l	0.31345826	0.6344086	4.0486E-12
-0.0064216	0.51073779	condition[T.KO]	1.3431E-16	Kmt2a	0.59199319	0.85099846	4.0757E-12
-1.7837104	0.88289195	condition[T.KO]	1.3434E-16	0610040J01R	0.14991482	0.37403994	4.0765E-12
-0.7820851	0.62520859	condition[T.KO]	1.4623E-16	Prmt2	0.37052811	0.66743472	4.4371E-12
-0.7474397	0.61783867	condition[T.KO]	1.6247E-16	Sfxn1	0.36712095	0.67511521	4.9298E-12
-0.1799938	0.53010569	condition[T.KO]	1.6284E-16	Ppp2r2d	0.53662692	0.80798771	4.9408E-12
-0.5727881	0.58710682	condition[T.KO]	1.6632E-16	Zfp326	0.42248722	0.73271889	5.0463E-12
-0.2840652	0.54341998	condition[T.KO]	1.7142E-16	Brd1	0.50596252	0.79416283	5.2008E-12
-0.5183	0.57800242	condition[T.KO]	1.7173E-16	Agfg2	0.44378194	0.74500768	5.2102E-12
-2.2519703	1.05570716	condition[T.KO]	1.76E-16	Hspa2	0.09965928	0.3187404	5.3394E-12
-0.6739462	0.60382889	condition[T.KO]	1.7766E-16	Taf7	0.39182283	0.67665131	5.3897E-12
-0.8852292	0.64358021	condition[T.KO]	1.7823E-16	Flot2	0.34497445	0.64439324	5.4068E-12
-1.0437283	0.67682624	condition[T.KO]	1.8087E-16	Arhgef40	0.29216354	0.59447005	5.4868E-12
-0.6441267	0.59820372	condition[T.KO]	1.8695E-16	Sqle	0.40374787	0.70967742	5.6709E-12
-0.8009002	0.6264484	condition[T.KO]	1.9171E-16	Cyb5r3	0.3483816	0.67281106	5.8153E-12
-1.2821184	0.73264202	condition[T.KO]	1.9194E-16	Flna	0.2274276	0.54070661	5.822E-12
-0.7938572	0.6249819	condition[T.KO]	1.9457E-16	Stk40	0.35860307	0.65207373	5.9016E-12
-1.2966514	0.73543393	condition[T.KO]	2.0993E-16	Gpsm1	0.24616695	0.52611367	6.3673E-12
0.30154012	0.47663046	condition[T.KO]	2.1303E-16	Rpl15	0.64480409	0.85714286	6.4611E-12
-0.9496897	0.65515926	condition[T.KO]	2.1324E-16	2410002F23F	0.31771721	0.61213518	6.467E-12
-0.5647441	0.58363073	condition[T.KO]	2.1678E-16	Ski	0.43611584	0.74039939	6.5744E-12
-1.0746521	0.6819235	condition[T.KO]	2.1895E-16	Impdh2	0.28534923	0.57450077	6.6399E-12
-1.816682	0.88811974	condition[T.KO]	2.1951E-16	Hspa1a	0.13458262	0.3640553	6.6567E-12
-0.6981376	0.60621304	condition[T.KO]	2.2297E-16	Smad4	0.38074957	0.69585253	6.7613E-12
-0.8312064	0.63092457	condition[T.KO]	2.2382E-16	Hmgn2	0.3330494	0.60675883	6.787E-12
-0.9423333	0.6530277	condition[T.KO]	2.2799E-16	Rnf169	0.31771721	0.62211982	6.913E-12
-1.277139	0.72926296	condition[T.KO]	2.3741E-16	5430405H02F	0.23594549	0.52150538	7.1984E-12
0.04555102	0.50094332	condition[T.KO]	2.3834E-16	Sez6	0.5911414	0.84485407	7.2263E-12
-1.1646319	0.70161617	condition[T.KO]	2.432E-16	Fbxl2	0.2649063	0.56605223	7.3736E-12

-1.8239039	0.88916324	condition[T.KO]	2.4653E-16	Ston2	0.1439523	0.39324117	7.4742E-12
-2.8335122	1.33391476	condition[T.KO]	2.5167E-16	Cd300a	0.05536627	0.23809524	7.6298E-12
-1.234789	0.71766178	condition[T.KO]	2.6473E-16	Ncald	0.24190801	0.5015361	8.0256E-12
-0.7730131	0.61840351	condition[T.KO]	2.6484E-16	Cdh20	0.31431005	0.59831029	8.0285E-12
-1.2415324	0.71894868	condition[T.KO]	2.7481E-16	Tfeb	0.25298126	0.55453149	8.3306E-12
-0.442839	0.56241186	condition[T.KO]	2.7977E-16	Arid4a	0.45741056	0.75883257	8.4807E-12
-1.0027105	0.66384191	condition[T.KO]	2.8095E-16	Nop14	0.3032368	0.59600614	8.5162E-12
-0.0208951	0.50696429	condition[T.KO]	2.8549E-16	Prxl2a	0.59028961	0.84715822	8.6535E-12
0.10570956	0.49333291	condition[T.KO]	2.8596E-16	Spire1	0.59369676	0.8640553	8.6676E-12
-2.9529252	1.39944665	condition[T.KO]	3.0044E-16	ENSMUSG000	0.05110733	0.23886329	9.1061E-12
-1.4119957	0.76173298	condition[T.KO]	3.092E-16	Sft2d3	0.22061329	0.49308756	9.3713E-12
-1.2664916	0.72357972	condition[T.KO]	3.2103E-16	Tmx1	0.24701874	0.5437788	9.7294E-12
-0.7783391	0.61760749	condition[T.KO]	3.258E-16	Tor1a	0.36286201	0.67665131	9.8738E-12
-0.5598849	0.57948577	condition[T.KO]	3.2705E-16	Rbm28	0.42504259	0.72887865	9.9113E-12
-1.3682358	0.74914569	condition[T.KO]	3.3737E-16	Gm49599	0.22316865	0.51152074	1.0224E-11
-0.886251	0.63807623	condition[T.KO]	3.3885E-16	Fads1	0.3330494	0.65207373	1.0268E-11
-0.0936265	0.51404088	condition[T.KO]	3.423E-16	Rab33a	0.54088586	0.75960061	1.0372E-11
-1.5487054	0.79882898	condition[T.KO]	3.472E-16	Lmnbl	0.1746167	0.43625192	1.052E-11
-1.1119831	0.68567891	condition[T.KO]	3.589E-16	Xpa	0.27938671	0.58064516	1.0875E-11
-1.7718295	0.86729419	condition[T.KO]	3.6055E-16	Sapcd1	0.14821124	0.39631336	1.0924E-11
-2.4531797	1.13403767	condition[T.KO]	3.6238E-16	Rnaset2b	0.08603066	0.29646697	1.0979E-11
-0.7162076	0.60496517	condition[T.KO]	3.7814E-16	Slc25a27	0.38160136	0.70046083	1.1456E-11
-0.4049537	0.55439088	condition[T.KO]	3.7857E-16	Ogn	0.41311755	0.73732719	1.1469E-11
-1.0189224	0.66433439	condition[T.KO]	3.8804E-16	Rnf25	0.30494037	0.60675883	1.1756E-11
-1.026125	0.66565849	condition[T.KO]	3.9774E-16	Spty2d1	0.31005111	0.58602151	1.2049E-11
-1.6350423	0.82291	condition[T.KO]	4.0045E-16	Cyp20a1	0.18057922	0.4500768	1.2131E-11
-3.5838825	1.82981572	condition[T.KO]	4.082E-16	Lrtm2	0.02725724	0.1827957	1.2365E-11
-1.5820964	0.80681958	condition[T.KO]	4.0838E-16	Frat2	0.18483816	0.42396313	1.237E-11
-2.0248363	0.9541606	condition[T.KO]	4.0843E-16	Serhl	0.12180579	0.35637481	1.2371E-11
-0.7584323	0.61149782	condition[T.KO]	4.3115E-16	Capg	0.3637138	0.66052227	1.3059E-11
-0.0880124	0.51160238	condition[T.KO]	4.3585E-16	Golm2	0.56218058	0.83717358	1.3201E-11
-1.6036155	0.8122192	condition[T.KO]	4.4619E-16	Mgat5b	0.18143101	0.42319508	1.3514E-11

-0.6385649	0.58978862	condition[T.KO]	4.5777E-16	Csnk2a2	0.40374787	0.72196621	1.3864E-11
-0.8583685	0.62980409	condition[T.KO]	4.6252E-16	Cyth3	0.3253833	0.60983103	1.4007E-11
0.23321463	0.47744099	condition[T.KO]	4.6815E-16	Itgb8	0.57069847	0.85637481	1.4178E-11
-0.4488282	0.55916934	condition[T.KO]	4.7101E-16	Lrp1	0.4548552	0.77803379	1.4264E-11
0.08330596	0.49209508	condition[T.KO]	4.72E-16	Cfap36	0.58432709	0.82718894	1.4293E-11
0.17519691	0.48276956	condition[T.KO]	4.7971E-16	Itgb1	0.6286201	0.87403994	1.4526E-11
-0.613607	0.58509407	condition[T.KO]	4.8497E-16	Dnrtip1	0.40971039	0.70814132	1.4685E-11
-1.3929232	0.75185183	condition[T.KO]	4.8713E-16	Nsmce1	0.21805792	0.51075269	1.475E-11
-0.712028	0.60182385	condition[T.KO]	5.0042E-16	Pibf1	0.36882453	0.69047619	1.5152E-11
-1.5595336	0.79761944	condition[T.KO]	5.1511E-16	Cep78	0.1890971	0.45084485	1.5596E-11
-1.9182505	0.91238051	condition[T.KO]	5.2458E-16	Rpl9-ps6	0.13713799	0.37711214	1.5882E-11
-1.8000197	0.87191378	condition[T.KO]	5.3152E-16	Hsd17b14	0.15332198	0.37327189	1.6092E-11
-1.4631208	0.76979555	condition[T.KO]	5.3896E-16	Mmp16	0.19591141	0.44393241	1.6316E-11
-1.7827848	0.86593224	condition[T.KO]	5.4547E-16	Myl9	0.14991482	0.39477727	1.6513E-11
-0.6487392	0.58998853	condition[T.KO]	5.4948E-16	Ddr1	0.4011925	0.71582181	1.6634E-11
-2.4047882	1.10552209	condition[T.KO]	5.536E-16	Acvr2b	0.08688245	0.29185868	1.6758E-11
-0.6630064	0.59216208	condition[T.KO]	5.6766E-16	Ptdss1	0.40289608	0.7235023	1.7183E-11
-0.7510171	0.60757484	condition[T.KO]	5.799E-16	ENSMUSG000	0.36030664	0.64900154	1.7553E-11
-1.373154	0.74480325	condition[T.KO]	5.7993E-16	Cnnm4	0.22316865	0.50384025	1.7553E-11
-1.7397585	0.85112522	condition[T.KO]	5.8741E-16	P3h3	0.15843271	0.41781874	1.7779E-11
-0.3459792	0.54244543	condition[T.KO]	5.9104E-16	Ctcf	0.48722317	0.7749616	1.7888E-11
-0.4798251	0.56204358	condition[T.KO]	5.9133E-16	Mlec	0.45059625	0.76113671	1.7897E-11
-1.9041376	0.9059141	condition[T.KO]	5.923E-16	H4c8	0.12691652	0.34946237	1.7925E-11
-1.3592222	0.74083746	condition[T.KO]	5.9828E-16	Cluap1	0.22913118	0.51075269	1.8106E-11
-1.0663507	0.67051187	condition[T.KO]	6.0341E-16	Adcy2	0.27172061	0.53533026	1.826E-11
-0.6001269	0.58084661	condition[T.KO]	6.1678E-16	Hdac4	0.41226576	0.71966206	1.8664E-11
-0.9277692	0.64099478	condition[T.KO]	6.1816E-16	Ninj1	0.33049404	0.61674347	1.8705E-11
-0.078541	0.50774458	condition[T.KO]	6.3291E-16	Rala	0.56643952	0.84024578	1.9151E-11
-0.7718156	0.61062153	condition[T.KO]	6.3305E-16	Hepacam	0.34412266	0.66666667	1.9155E-11
-0.3613657	0.54399474	condition[T.KO]	6.392E-16	Acbd3	0.47018739	0.75038402	1.934E-11
-0.1937149	0.52149207	condition[T.KO]	6.4907E-16	Acsl3	0.54855196	0.80030722	1.9638E-11
-1.3243542	0.73048642	condition[T.KO]	6.829E-16	St6galnac4	0.24446337	0.51382488	2.0661E-11

-0.9534089	0.64523793	condition[T.KO]	6.8877E-16	Cabin1	0.30919932	0.60983103	2.0838E-11
-0.8591771	0.62621989	condition[T.KO]	7.0312E-16	Rsu1	0.34156729	0.66205837	2.1272E-11
-1.9937328	0.93560214	condition[T.KO]	7.0438E-16	Scarb1	0.12606474	0.3609831	2.1309E-11
-0.936224	0.64149337	condition[T.KO]	7.0626E-16	Cep95	0.33049404	0.62749616	2.1365E-11
-1.874488	0.89315916	condition[T.KO]	7.2426E-16	Nrbf2	0.14139693	0.37403994	2.1909E-11
-0.3993983	0.54833314	condition[T.KO]	7.3457E-16	Mcee	0.47614991	0.77265745	2.222E-11
-0.118257	-0.5801513	condition[T.KO]	7.4918E-16	A530058N18	0.52896082	0.45852535	2.2661E-11
-1.700762	0.83572346	condition[T.KO]	7.6269E-16	Shisa2	0.16269165	0.406298	2.3069E-11
-2.7343625	1.26050097	condition[T.KO]	7.6597E-16	Cmtm8	0.060477	0.23886329	2.3167E-11
-1.7454616	0.84943205	condition[T.KO]	7.8959E-16	Mertk	0.15076661	0.36482335	2.3881E-11
-1.0471677	0.66374162	condition[T.KO]	7.9163E-16	Ccdc34	0.28705281	0.57757296	2.3942E-11
-0.3832595	0.54537068	condition[T.KO]	7.9631E-16	Myl12a	0.48381601	0.76113671	2.4083E-11
-2.7013573	1.24258039	condition[T.KO]	7.9851E-16	5330439K02F	0.06218058	0.25883257	2.4148E-11
-0.3494635	0.54029005	condition[T.KO]	8.2753E-16	Egln1	0.48296422	0.79877112	2.5025E-11
-1.6651508	0.82361412	condition[T.KO]	8.3822E-16	Rest	0.17376491	0.42780338	2.5348E-11
-1.3961667	0.74685662	condition[T.KO]	8.4866E-16	Nsdhl	0.21720613	0.48387097	2.5663E-11
-0.7368945	0.60158159	condition[T.KO]	8.6176E-16	Lrp4	0.34241908	0.64592934	2.6058E-11
-0.5349521	0.56741226	condition[T.KO]	8.7517E-16	Ormdl3	0.42504259	0.73732719	2.6462E-11
-0.4700026	0.55729205	condition[T.KO]	8.8404E-16	Trrap	0.45911414	0.77803379	2.673E-11
-1.3939312	0.74583309	condition[T.KO]	8.8403E-16	Cdon	0.21379898	0.49923195	2.673E-11
-0.737953	0.60153345	condition[T.KO]	8.857E-16	Pcnx	0.37223169	0.6781874	2.6778E-11
-0.3151421	0.53444729	condition[T.KO]	9.5289E-16	Hnrnph3	0.51448041	0.79723502	2.8809E-11
-2.406365	1.09731651	condition[T.KO]	9.9294E-16	Dnajc25	0.08688245	0.28955453	3.0019E-11
0.15738433	0.47927698	condition[T.KO]	1.0051E-15	Rbm3	0.61413969	0.84331797	3.0385E-11
-0.4454022	0.55254762	condition[T.KO]	1.0072E-15	Cdk15	0.40204429	0.6374808	3.0448E-11
-0.2880614	0.53030931	condition[T.KO]	1.0138E-15	Igsf9b	0.50340716	0.77956989	3.0647E-11
-0.8292405	0.61704167	condition[T.KO]	1.0317E-15	Odf2	0.34582624	0.66666667	3.1186E-11
-0.3123792	0.53330447	condition[T.KO]	1.0509E-15	Cacng7	0.50170358	0.77880184	3.1766E-11
-0.5242379	0.56408756	condition[T.KO]	1.0679E-15	Ak3	0.43867121	0.75268817	3.2278E-11
-2.411797	1.09861586	condition[T.KO]	1.0683E-15	Plekhg1	0.07751278	0.2718894	3.229E-11
-1.2658805	0.71125941	condition[T.KO]	1.0705E-15	Hsd17b7	0.24616695	0.53456221	3.2356E-11
-2.3419024	1.06785534	condition[T.KO]	1.0748E-15	Pnpla3	0.09199319	0.29493088	3.2483E-11

-1.7247565	0.83882026	condition[T.KO]	1.1089E-15	Thsd1	0.15672913	0.4047619	3.3512E-11
-1.4316396	0.75338913	condition[T.KO]	1.1157E-15	Atg14	0.2197615	0.47849462	3.3717E-11
-1.4220897	0.75078239	condition[T.KO]	1.1206E-15	Zfyve21	0.21465077	0.49615975	3.3865E-11
-1.9457278	0.91237588	condition[T.KO]	1.121E-15	Nfil3	0.13543441	0.32872504	3.3876E-11
-3.8369017	2.01719882	condition[T.KO]	1.1597E-15	Htr3a	0.02044293	0.18356375	3.5044E-11
0.28400937	0.46652313	condition[T.KO]	1.1629E-15	Tmbim6	0.66013629	0.88172043	3.514E-11
-2.8321876	1.30553787	condition[T.KO]	1.1642E-15	ENSMUSG000	0.05792164	0.24270353	3.5178E-11
0.03583313	0.49042877	condition[T.KO]	1.1867E-15	Fibp	0.60051107	0.84715822	3.5855E-11
-3.5664008	1.78716248	condition[T.KO]	1.2844E-15	Grin3a	0.02725724	0.15668203	3.8807E-11
-0.4122218	0.54567727	condition[T.KO]	1.291E-15	Tead1	0.45741056	0.75960061	3.9005E-11
0.1979623	0.47354297	condition[T.KO]	1.3055E-15	Slc3a2	0.63884157	0.87173579	3.9442E-11
-0.8609746	0.62087354	condition[T.KO]	1.3226E-15	Zcchc9	0.33986371	0.63978495	3.9958E-11
-0.8976682	0.62797283	condition[T.KO]	1.3303E-15	Crtc3	0.3330494	0.62980031	4.0189E-11
-0.3329671	0.53410262	condition[T.KO]	1.357E-15	Cyb5a	0.49063032	0.78955453	4.0995E-11
-0.2275227	0.51990901	condition[T.KO]	1.3981E-15	Hs2st1	0.51448041	0.8202765	4.2235E-11
0.09588307	0.483012	condition[T.KO]	1.3984E-15	Selenop	0.57666099	0.84254992	4.224E-11
0.59188585	0.44090985	condition[T.KO]	1.4517E-15	Ndrgr1	0.62350937	0.86789555	4.3851E-11
-1.0985856	0.66881412	condition[T.KO]	1.5095E-15	Prorsd1	0.28194208	0.56221198	4.5594E-11
-1.7206027	-1.2996887	condition[T.KO]	1.6029E-15	Col24a1	0.14735945	0.05299539	4.8414E-11
0.33349543	0.45997485	condition[T.KO]	1.6131E-15	Glg1	0.64054514	0.87480799	4.872E-11
0.01705133	0.49004552	condition[T.KO]	1.6433E-15	Mirg	0.5834753	0.8156682	4.963E-11
-0.4360753	0.54715848	condition[T.KO]	1.6523E-15	Smc5	0.45911414	0.7703533	4.99E-11
-0.3144587	0.52985457	condition[T.KO]	1.6885E-15	Rfc1	0.49914821	0.7749616	5.0993E-11
-1.0626964	0.65977359	condition[T.KO]	1.7039E-15	2310039H08f	0.29045997	0.5875576	5.1455E-11
-0.9307169	0.63223265	condition[T.KO]	1.7087E-15	Lgalsl	0.32112436	0.60445469	5.1601E-11
0.46279893	0.44904164	condition[T.KO]	1.7457E-15	Gpm6b	0.64054514	0.87403994	5.2715E-11
-0.4306839	0.54568672	condition[T.KO]	1.797E-15	Eif1a	0.46678024	0.72119816	5.4264E-11
-0.9209571	0.62981312	condition[T.KO]	1.7976E-15	Sh3gl1	0.33560477	0.63210445	5.428E-11
-0.4934241	0.55480556	condition[T.KO]	1.8486E-15	Rhobtb3	0.45059625	0.74193548	5.5817E-11
1.24735846	0.40447564	condition[T.KO]	1.8585E-15	Rn18s-rs5	0.70528109	0.88556068	5.6114E-11
-1.010691	0.64758518	condition[T.KO]	1.9105E-15	Snrnp40	0.31516184	0.61597542	5.7683E-11
-1.5878095	0.79100088	condition[T.KO]	1.9196E-15	Naga	0.18483816	0.45238095	5.7956E-11

-2.4297628	1.09742972	condition[T.KO]	1.9346E-15	Gm10175	0.08262351	0.27726575	5.8406E-11
0.15121124	0.475177	condition[T.KO]	1.939E-15	Sec14l1	0.62947189	0.85714286	5.8536E-11
-1.4178397	0.74371151	condition[T.KO]	1.9443E-15	2700097009I	0.21890971	0.49615975	5.8694E-11
-1.7599294	0.8430909	condition[T.KO]	1.9599E-15	Frmd6	0.15587734	0.38402458	5.9164E-11
-1.7854133	0.85121776	condition[T.KO]	1.9652E-15	ENSMUSG000	0.16013629	0.39324117	5.9321E-11
-3.6515389	1.8439138	condition[T.KO]	1.9853E-15	Gm20687	0.02640545	0.17204301	5.9925E-11
-2.9855333	1.38214485	condition[T.KO]	2.0074E-15	Pcdhac2	0.04940375	0.22580645	6.0592E-11
-0.3318975	0.5307058	condition[T.KO]	2.0444E-15	Ubn1	0.49659284	0.77726575	6.1705E-11
0.23543539	0.46686533	condition[T.KO]	2.0552E-15	Pik3r1	0.6362862	0.8625192	6.2031E-11
-1.9471649	0.90473842	condition[T.KO]	2.1009E-15	Cyp2j9	0.13117547	0.3671275	6.3409E-11
-0.6673374	0.58167711	condition[T.KO]	2.1069E-15	Rnf185	0.39778535	0.69508449	6.3587E-11
-0.5956611	0.56944402	condition[T.KO]	2.191E-15	Ppfia1	0.41822828	0.72427035	6.6121E-11
-0.4869368	0.55235643	condition[T.KO]	2.2073E-15	Ube2i	0.45570698	0.76267281	6.6612E-11
-2.0223213	0.93063023	condition[T.KO]	2.2534E-15	Gm43874	0.12265758	0.33717358	6.8002E-11
-1.0769623	0.66013579	condition[T.KO]	2.2596E-15	Ubxn8	0.2879046	0.57910906	6.8185E-11
-0.5927891	0.56825396	condition[T.KO]	2.386E-15	Mms19	0.41822828	0.73195084	7.1997E-11
-1.2122726	-0.9176983	condition[T.KO]	2.4108E-15	Sphk1	0.25468484	0.13210445	7.2743E-11
-0.039821	0.49316984	condition[T.KO]	2.4862E-15	Atraid	0.5911414	0.84485407	7.5017E-11
-1.2761971	0.70505107	condition[T.KO]	2.5008E-15	Idh2	0.24531516	0.52764977	7.5453E-11
-1.3810254	0.73134352	condition[T.KO]	2.5067E-15	Cox16	0.21720613	0.4546851	7.563E-11
-0.6274464	0.57340159	condition[T.KO]	2.5346E-15	Snhg12	0.39863714	0.68970814	7.6468E-11
-0.292607	0.52366477	condition[T.KO]	2.5523E-15	Dusp16	0.49318569	0.78955453	7.7001E-11
-3.1245267	1.46138128	condition[T.KO]	2.5563E-15	Rspo2	0.03918228	0.20737327	7.7118E-11
-1.4330949	0.74477905	condition[T.KO]	2.5572E-15	Slc35a2	0.21890971	0.50230415	7.7143E-11
-0.2728871	0.52104011	condition[T.KO]	2.5624E-15	Robo2	0.42759796	0.72427035	7.7298E-11
-1.9363806	0.89838149	condition[T.KO]	2.5641E-15	ENSMUSG000	0.13373083	0.37634409	7.7346E-11
-1.3894259	0.7329731	condition[T.KO]	2.6372E-15	Arl13b	0.22061329	0.48617512	7.9549E-11
-2.7044397	1.22316106	condition[T.KO]	2.6737E-15	Fam181b	0.06558773	0.25192012	8.0646E-11
-0.1879205	0.50989538	condition[T.KO]	2.6869E-15	Tpm3	0.53321976	0.82411674	8.1042E-11
-0.0586509	0.49464094	condition[T.KO]	2.704E-15	Fbxo22	0.56473595	0.79262673	8.1555E-11
-0.2479706	0.51733375	condition[T.KO]	2.7243E-15	Papss1	0.51959114	0.81797235	8.2164E-11
-0.0881335	0.49757436	condition[T.KO]	2.8554E-15	Pdia6	0.57751278	0.85176651	8.6116E-11

-0.850421	0.61180806	condition[T.KO]	2.8686E-15	Tbcc	0.34412266	0.62365591	8.6512E-11
-1.7185738	0.82548618	condition[T.KO]	2.8709E-15	Leng1	0.16609881	0.41935484	8.6579E-11
-1.3515507	0.72215112	condition[T.KO]	2.9231E-15	Vgll4	0.22402044	0.49078341	8.815E-11
-0.6115092	0.5695495	condition[T.KO]	2.927E-15	Tecpr1	0.4165247	0.71812596	8.8263E-11
-1.1675896	0.67773618	condition[T.KO]	2.9448E-15	Gm44560	0.25127768	0.52534562	8.8798E-11
-2.0035233	0.92018461	condition[T.KO]	2.9605E-15	Arid3b	0.12776831	0.34331797	8.9267E-11
0.2982239	0.45871088	condition[T.KO]	2.9694E-15	Chd4	0.64735945	0.87403994	8.9532E-11
0.30896127	0.4577253	condition[T.KO]	2.9968E-15	Ctsl	0.66098807	0.87711214	9.0358E-11
-0.73761	0.59073783	condition[T.KO]	3.0058E-15	Lurap1l	0.36967632	0.64669739	9.0624E-11
-0.9381724	0.62832834	condition[T.KO]	3.0456E-15	Gramd4	0.3253833	0.62519201	9.1822E-11
-3.1198696	1.45463339	condition[T.KO]	3.0711E-15	Tex33	0.04344123	0.19738863	9.2587E-11
0.40367306	0.44975625	condition[T.KO]	3.0716E-15	Klf9	0.66524702	0.87788018	9.26E-11
0.46481481	0.44501345	condition[T.KO]	3.0749E-15	Rps10	0.67035775	0.87634409	9.2695E-11
-1.9839281	0.91257858	condition[T.KO]	3.0998E-15	Gm49338	0.1286201	0.37173579	9.3445E-11
-2.769041	1.25366221	condition[T.KO]	3.1399E-15	Efna1	0.06132879	0.23809524	9.465E-11
-0.9900995	0.63840534	condition[T.KO]	3.1947E-15	Cep164	0.30408859	0.60215054	9.6297E-11
-0.4090925	0.53780095	condition[T.KO]	3.2267E-15	Cebpz	0.46166951	0.73579109	9.726E-11
-0.8904346	0.61801738	condition[T.KO]	3.3609E-15	Slc36a2	0.3109029	0.61520737	1.013E-10
-0.1922243	0.5086727	condition[T.KO]	3.368E-15	Syf2	0.53833049	0.82258065	1.0151E-10
-0.2013474	0.50970217	condition[T.KO]	3.4101E-15	Slc10a7	0.51192504	0.78571429	1.0278E-10
-1.8966355	0.88068655	condition[T.KO]	3.5071E-15	Plscr2	0.13032368	0.3655914	1.057E-10
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0.05810244	-0.5343158	condition[T.KO]	3.5827E-15	Sertm1	0.57155026	0.51689708	1.0797E-10
-1.3004655	0.70719531	condition[T.KO]	3.5963E-15	Hmgxb4	0.23850085	0.50768049	1.0837E-10
-0.8392457	0.60762303	condition[T.KO]	3.5997E-15	Colgalt1	0.35178876	0.66205837	1.0847E-10
-2.0994608	0.95232643	condition[T.KO]	3.7077E-15	Sgtb	0.11499148	0.32642089	1.1172E-10
-0.3668327	0.53056594	condition[T.KO]	3.7826E-15	Rab11fip2	0.4770017	0.7688172	1.1398E-10
-1.6774174	0.80940595	condition[T.KO]	3.8422E-15	Necap2	0.17291312	0.42780338	1.1577E-10
-1.496914	0.75743162	condition[T.KO]	3.8623E-15	Btg3	0.19591141	0.45545315	1.1637E-10
-1.7562633	0.83326522	condition[T.KO]	3.9799E-15	B930095G15I	0.15843271	0.4047619	1.1991E-10
-0.5645079	0.55894339	condition[T.KO]	4.1913E-15	Slc50a1	0.43100511	0.72887865	1.2628E-10
0.08951273	0.4755153	condition[T.KO]	4.2653E-15	Erp29	0.61584327	0.8671275	1.285E-10

-0.6089503	0.56581857	condition[T.KO]	4.3034E-15	Sc5d	0.40630324	0.72427035	1.2965E-10
-1.156815	0.67070763	condition[T.KO]	4.6391E-15	Elmod1	0.25212947	0.48233487	1.3975E-10
-0.5750737	0.55968269	condition[T.KO]	4.6733E-15	Slc35b1	0.43356048	0.74961598	1.4078E-10
-0.5747039	0.55953773	condition[T.KO]	4.7207E-15	Sf3b3	0.42930153	0.7296467	1.422E-10
-0.6679479	0.57451519	condition[T.KO]	4.849E-15	Micu2	0.39522998	0.68894009	1.4606E-10
-0.5826835	0.5605077	condition[T.KO]	4.8867E-15	Fntb	0.41737649	0.73041475	1.4719E-10
-1.1010989	0.6578068	condition[T.KO]	4.8892E-15	Ahnak2	0.22657581	0.43394777	1.4726E-10
-0.4051482	0.53377855	condition[T.KO]	4.9243E-15	Sema6a	0.45655877	0.68817204	1.4831E-10
-1.5691966	0.77473076	condition[T.KO]	4.9595E-15	Pcdh10	0.18398637	0.43778802	1.4937E-10
-1.0341684	0.64329105	condition[T.KO]	4.9786E-15	Secisbp2	0.29471891	0.58525346	1.4994E-10
0.51354965	0.43798757	condition[T.KO]	5.0587E-15	Cnp	0.62947189	0.86789555	1.5235E-10
-1.7463628	0.82719099	condition[T.KO]	5.0686E-15	Col16a1	0.15758092	0.41013825	1.5264E-10
0.51232226	0.43798162	condition[T.KO]	5.1288E-15	Tpm1	0.66609881	0.87711214	1.5445E-10
-0.3406443	0.52440687	condition[T.KO]	5.1965E-15	Kdm5b	0.49914821	0.78494624	1.5648E-10
-1.0050849	0.63681432	condition[T.KO]	5.2004E-15	Midn	0.30579216	0.59754224	1.566E-10
-0.2726064	0.51538179	condition[T.KO]	5.2091E-15	Slk	0.50681431	0.80107527	1.5685E-10
0.14700452	0.46839672	condition[T.KO]	5.2223E-15	Srgap1	0.60817717	0.85637481	1.5724E-10
-1.6861592	0.80824234	condition[T.KO]	5.2733E-15	Numb1	0.17376491	0.42857143	1.5878E-10
-1.3043693	0.7040769	condition[T.KO]	5.2898E-15	Sh2d3c	0.23339012	0.4984639	1.5927E-10
-0.7525897	0.58827332	condition[T.KO]	5.3275E-15	Pomgnt1	0.38160136	0.69892473	1.6039E-10
-0.0520975	0.48855191	condition[T.KO]	5.4888E-15	Pnn	0.57836457	0.84485407	1.6524E-10
-0.5941353	0.5612391	condition[T.KO]	5.5499E-15	Gnl3	0.41993186	0.70046083	1.6708E-10
-0.280862	0.51586162	condition[T.KO]	5.6088E-15	Lsm12	0.49829642	0.74961598	1.6885E-10
-1.491283	0.75165756	condition[T.KO]	5.6266E-15	Gm49513	0.19761499	0.45391705	1.6938E-10
-2.4091357	1.07149924	condition[T.KO]	5.6438E-15	Csmd3	0.07410562	0.21351767	1.6989E-10
-3.0659104	1.40897147	condition[T.KO]	5.6472E-15	Gap43	0.04258944	0.17357911	1.6998E-10
-1.2992508	0.70203069	condition[T.KO]	5.7012E-15	Gpr137b	0.24361158	0.52611367	1.7161E-10
-1.483251	0.74927327	condition[T.KO]	5.7314E-15	8430429K09F	0.20272572	0.47081413	1.7251E-10
-1.5048724	0.75484537	condition[T.KO]	5.8885E-15	Ptpn5	0.18228279	0.38018433	1.7723E-10
-1.7220125	0.81761875	condition[T.KO]	5.9848E-15	Fscn1	0.16098807	0.38556068	1.8013E-10
-1.4999623	0.7531728	condition[T.KO]	6.0635E-15	Fam53a	0.20613288	0.47081413	1.8249E-10
-0.8192313	0.59910229	condition[T.KO]	6.0773E-15	Cmtm4	0.35264055	0.66359447	1.829E-10

-1.2148322	0.6812099	condition[T.KO]	6.0975E-15	Eefsec	0.26064736	0.53379416	1.835E-10
-0.3208098	0.52027328	condition[T.KO]	6.2308E-15	Ctsz	0.49659284	0.7764977	1.875E-10
-0.7937874	0.59397754	condition[T.KO]	6.405E-15	Tex261	0.36882453	0.67050691	1.9274E-10
-0.0199693	0.4837045	condition[T.KO]	6.5448E-15	Comt	0.57836457	0.84024578	1.9694E-10
-1.4024413	0.72637433	condition[T.KO]	6.5898E-15	2900026A02F	0.22061329	0.48387097	1.9829E-10
-0.4265438	0.53435968	condition[T.KO]	6.6362E-15	Car11	0.48126065	0.75652842	1.9968E-10
-1.0244431	0.63844977	condition[T.KO]	6.6407E-15	Dhx8	0.30408859	0.58294931	1.998E-10
-0.4436507	0.53676652	condition[T.KO]	6.6788E-15	Taf1d	0.44122658	0.74500768	2.0094E-10
0.87286487	0.41359966	condition[T.KO]	6.7168E-15	Cryab	0.65843271	0.87403994	2.0208E-10
-0.7278174	0.58184676	condition[T.KO]	6.7192E-15	Rnf114	0.38500852	0.67204301	2.0215E-10
-0.8500962	0.60387248	condition[T.KO]	6.743E-15	Ptpn13	0.32708688	0.62596006	2.0286E-10
-0.8861451	0.61060861	condition[T.KO]	6.8073E-15	Rufy1	0.33986371	0.63824885	2.0478E-10
-0.8428962	0.60224002	condition[T.KO]	6.9553E-15	Pithd1	0.34497445	0.6328725	2.0923E-10
-1.2652595	0.69172121	condition[T.KO]	6.9558E-15	Ganc	0.24701874	0.52227343	2.0924E-10
-1.9092567	0.87590151	condition[T.KO]	7.0323E-15	Fkbp7	0.13713799	0.36789555	2.1153E-10
-0.2921208	0.51548812	condition[T.KO]	7.0544E-15	Nsmce2	0.50596252	0.80568356	2.1219E-10
-0.2110008	0.50517273	condition[T.KO]	7.072E-15	Arpc5	0.52981261	0.82258065	2.1271E-10
-1.0939394	0.65254311	condition[T.KO]	7.0942E-15	Cttnbp2nl	0.28705281	0.55990783	2.1337E-10
-0.5465657	0.55155733	condition[T.KO]	7.1705E-15	Zdhhc1	0.439523	0.73502304	2.1566E-10
-1.1522546	0.6652447	condition[T.KO]	7.1892E-15	Itga3	0.26831346	0.52995392	2.1621E-10
-0.2165505	0.5057222	condition[T.KO]	7.1952E-15	Siah3	0.51448041	0.77956989	2.1639E-10
-0.476765	0.54089883	condition[T.KO]	7.2668E-15	Tmem205	0.46592845	0.75729647	2.1853E-10
-0.8533868	0.60363756	condition[T.KO]	7.3901E-15	Ikbip	0.35093697	0.65053763	2.2223E-10
0.02714082	0.47774231	condition[T.KO]	7.4412E-15	Tusc3	0.60391823	0.84562212	2.2376E-10
-0.0946389	0.49094073	condition[T.KO]	7.4906E-15	Stox2	0.56984668	0.8187404	2.2524E-10
-3.3438188	1.58082999	condition[T.KO]	7.5605E-15	Pdlim4	0.03492334	0.1827957	2.2734E-10
-2.1397025	0.95738776	condition[T.KO]	7.5965E-15	Lpar1	0.10732538	0.30030722	2.2841E-10
-2.7044397	1.20458715	condition[T.KO]	7.6275E-15	Gm11808	0.06558773	0.24423963	2.2934E-10
-0.9541119	0.62272411	condition[T.KO]	7.6866E-15	Heatr6	0.32623509	0.60829493	2.311E-10
-1.9895734	0.90237871	condition[T.KO]	7.6924E-15	Rilpl2	0.13117547	0.35714286	2.3127E-10
-0.9284468	0.61762442	condition[T.KO]	7.7111E-15	Afg3l1	0.32367973	0.61136713	2.3183E-10
-0.8055192	0.59427671	condition[T.KO]	7.8214E-15	Zdhhc2	0.35264055	0.65053763	2.3513E-10

-2.048436	0.92304904	condition[T.KO]	7.8788E-15	Per2	0.11754685	0.32411674	2.3685E-10
-1.3571843	0.71280316	condition[T.KO]	7.951E-15	Dhcr7	0.22827939	0.49462366	2.3902E-10
-1.3026463	0.69908081	condition[T.KO]	8.1311E-15	Cxadr	0.22998296	0.50230415	2.4442E-10
-0.3994177	0.52877466	condition[T.KO]	8.1937E-15	Alad	0.47614991	0.73963134	2.4629E-10
-1.4746716	0.74277069	condition[T.KO]	8.3122E-15	Ptprj	0.1890971	0.42012289	2.4985E-10
0.17221682	0.46259144	condition[T.KO]	8.3314E-15	Mtdh	0.63713799	0.86328725	2.5042E-10
-1.0818446	0.64822025	condition[T.KO]	8.4273E-15	Plekhg2	0.27853492	0.57142857	2.5329E-10
0.04291905	0.47511709	condition[T.KO]	8.4923E-15	Rsrc2	0.60732538	0.84869432	2.5524E-10
0.35457325	0.44653779	condition[T.KO]	8.5114E-15	Glul	0.6362862	0.8671275	2.558E-10
-0.2782575	0.51215675	condition[T.KO]	8.5348E-15	Ptn	0.45315162	0.75499232	2.565E-10
-1.1253346	0.65738397	condition[T.KO]	8.6628E-15	Klf3	0.28194208	0.55837174	2.6034E-10
-3.3318027	1.5693993	condition[T.KO]	8.6806E-15	Casq1	0.0306644	0.16205837	2.6086E-10
-2.6157192	1.15864281	condition[T.KO]	8.7711E-15	Pxmp2	0.07240204	0.25883257	2.6357E-10
-1.0418428	0.63932935	condition[T.KO]	8.7899E-15	Scamp2	0.30068143	0.59293395	2.6413E-10
-0.5294853	0.54714139	condition[T.KO]	8.8436E-15	Sox11	0.42163543	0.71121352	2.6573E-10
-0.9391578	0.61836176	condition[T.KO]	8.8989E-15	Pag1	0.31345826	0.59907834	2.6738E-10
-0.8954718	0.60973992	condition[T.KO]	9.0259E-15	Tbc1d20	0.33560477	0.63978495	2.7119E-10
-0.8708431	0.60473073	condition[T.KO]	9.3418E-15	Rhbdd2	0.33475298	0.64592934	2.8068E-10
-1.6375574	0.78682967	condition[T.KO]	9.4355E-15	Gm11478	0.17717206	0.4093702	2.8348E-10
-0.748069	0.58226458	condition[T.KO]	9.4879E-15	Iqgap1	0.35434412	0.66129032	2.8504E-10
-2.171479	0.9661776	condition[T.KO]	9.5749E-15	Smpd2	0.10902896	0.32104455	2.8765E-10
-2.1651583	-2.2269163	condition[T.KO]	9.6049E-15	Bpifa1	0.08688245	0.01536098	2.8854E-10
-4.0897938	2.19047286	condition[T.KO]	9.6132E-15	Gm19951	0.01703578	0.16359447	2.8878E-10
-3.4609245	1.65735682	condition[T.KO]	9.6254E-15	Il1r1	0.02810903	0.1843318	2.8914E-10
-0.683056	0.57095944	condition[T.KO]	9.6562E-15	Acvr1	0.40034072	0.68970814	2.9005E-10
-0.9045696	0.61078146	condition[T.KO]	9.7253E-15	4632427E13F	0.32112436	0.62288786	2.9212E-10
0.01628078	0.47680022	condition[T.KO]	9.7942E-15	Lrpap1	0.59454855	0.85483871	2.9418E-10
-2.3476669	1.03647003	condition[T.KO]	9.8637E-15	Pvr	0.09028961	0.28955453	2.9626E-10
-0.6413275	0.5638149	condition[T.KO]	9.9087E-15	Ccdc174	0.41311755	0.69431644	2.976E-10
-1.0118117	0.63173047	condition[T.KO]	1.011E-14	Stk10	0.30494037	0.57757296	3.0365E-10
0.01310885	0.4768184	condition[T.KO]	1.0208E-14	Prkca	0.52981261	0.82949309	3.0656E-10
-0.1688516	0.49715493	condition[T.KO]	1.0221E-14	Ddx46	0.54088586	0.80184332	3.0695E-10

-0.7327372	0.57889835	condition[T.KO]	1.0247E-14	Twf1	0.37308348	0.67511521	3.0773E-10
-1.1969429	0.67167036	condition[T.KO]	1.029E-14	Slc35e4	0.26831346	0.52688172	3.0899E-10
-0.9469841	0.61844063	condition[T.KO]	1.0366E-14	Sdf2l1	0.31260647	0.5890937	3.1128E-10
-2.1278255	0.9479278	condition[T.KO]	1.0754E-14	Nrarp	0.10902896	0.3141321	3.2292E-10
-1.689488	0.80043775	condition[T.KO]	1.0891E-14	Rasa3	0.16950596	0.41474654	3.27E-10
-0.7256079	0.57709456	condition[T.KO]	1.0917E-14	Grn	0.37649063	0.69585253	3.278E-10
-1.1088353	0.65137678	condition[T.KO]	1.099E-14	Ccdc28b	0.28534923	0.56835637	3.2996E-10
-0.3663494	0.52168297	condition[T.KO]	1.112E-14	Fgfr1	0.48381601	0.79185868	3.3385E-10
-2.5534698	1.12511636	condition[T.KO]	1.1213E-14	Actn2	0.06558773	0.21121352	3.3665E-10
-1.9993231	0.90041532	condition[T.KO]	1.143E-14	Niban2	0.1286201	0.35023041	3.4315E-10
-2.7213457	1.20575231	condition[T.KO]	1.1455E-14	Gm26549	0.06643952	0.24116743	3.4388E-10
-0.9647042	0.62087165	condition[T.KO]	1.1597E-14	Psph	0.31345826	0.61597542	3.4813E-10
-0.6634125	0.5659158	condition[T.KO]	1.1778E-14	Grtp1	0.39182283	0.64976959	3.5355E-10
-1.4523533	0.73271255	condition[T.KO]	1.1987E-14	Elf1	0.19591141	0.4516129	3.5983E-10
-0.4010199	0.52577629	condition[T.KO]	1.208E-14	Frs2	0.4770017	0.77419355	3.6258E-10
0.03496383	0.47320757	condition[T.KO]	1.2188E-14	Mafb	0.55195911	0.79109063	3.6582E-10
-0.7017761	0.57190323	condition[T.KO]	1.2363E-14	Col27a1	0.31686542	0.52841782	3.7107E-10
-0.9487955	0.61708092	condition[T.KO]	1.239E-14	Dlgap4	0.31345826	0.62980031	3.7185E-10
-0.5099943	0.54126663	condition[T.KO]	1.2455E-14	CamI	0.44548552	0.74807988	3.7381E-10
-1.6732827	0.79390184	condition[T.KO]	1.2531E-14	Gcat	0.17120954	0.41628264	3.7606E-10
-1.149069	0.65876705	condition[T.KO]	1.2651E-14	Epn2	0.26660988	0.55683564	3.7965E-10
0.57142826	0.4275078	condition[T.KO]	1.2822E-14	Rpl29	0.68568995	0.87634409	3.8478E-10
-0.8470164	0.59729713	condition[T.KO]	1.2833E-14	Cd320	0.35178876	0.65898618	3.8509E-10
-0.1392562	0.49182774	condition[T.KO]	1.2917E-14	Cbx1	0.53236797	0.79953917	3.8761E-10
-1.0632984	0.639745	condition[T.KO]	1.3272E-14	Mphosph10	0.29386712	0.55606759	3.9823E-10
-1.6927464	0.79884232	condition[T.KO]	1.3431E-14	Nudt13	0.16013629	0.42242704	4.0301E-10
-1.1060453	0.64862272	condition[T.KO]	1.3593E-14	Leo1	0.2879046	0.55069124	4.0784E-10
-0.6549346	0.56317293	condition[T.KO]	1.37E-14	Nup93	0.40204429	0.68202765	4.1106E-10
-0.4351933	0.52941732	condition[T.KO]	1.3894E-14	Vamp2	0.47870528	0.76497696	4.1686E-10
-0.1455477	0.49190841	condition[T.KO]	1.4034E-14	Abhd16a	0.54855196	0.82411674	4.2104E-10
-2.2339306	0.98479743	condition[T.KO]	1.4071E-14	Pipox	0.10051107	0.30875576	4.2212E-10
-0.9218193	0.61042614	condition[T.KO]	1.4311E-14	Kin	0.33390119	0.62211982	4.2931E-10

-2.6213479	1.15224478	condition[T.KO]	1.4795E-14	Flrt3	0.06729131	0.24039939	4.4381E-10
-0.7523828	0.57881111	condition[T.KO]	1.5054E-14	Zc3h18	0.37223169	0.65745008	4.5157E-10
-0.5881813	0.55158443	condition[T.KO]	1.5114E-14	B230334C09F	0.41226576	0.69508449	4.5335E-10
-1.358482	0.70603318	condition[T.KO]	1.5217E-14	Qsox2	0.23253833	0.51075269	4.5644E-10
-0.8250736	0.5915157	condition[T.KO]	1.5471E-14	Dnajc24	0.35008518	0.66052227	4.6404E-10
-1.1079117	0.64734691	condition[T.KO]	1.6038E-14	Tob2	0.27938671	0.5422427	4.8104E-10
-1.29623	-0.9235714	condition[T.KO]	1.6315E-14	Zfp365	0.2274276	0.12749616	4.8931E-10
-2.0763957	0.92285602	condition[T.KO]	1.6479E-14	Chadl	0.11925043	0.34101382	4.9423E-10
-0.3364882	0.51436663	condition[T.KO]	1.6584E-14	Anapc16	0.49063032	0.77112135	4.9734E-10
-0.3236447	0.51264359	condition[T.KO]	1.6632E-14	Cdk12	0.49148211	0.78033794	4.9878E-10
-1.6223109	0.77552646	condition[T.KO]	1.6753E-14	Nim1k	0.1746167	0.41628264	5.024E-10
-1.1272795	0.65097144	condition[T.KO]	1.6967E-14	Vkorc1	0.27597956	0.57066052	5.088E-10
-0.2720907	0.50577287	condition[T.KO]	1.7045E-14	Lama1	0.46166951	0.7734255	5.111E-10
-1.5166647	0.74578266	condition[T.KO]	1.715E-14	Bend5	0.19846678	0.45852535	5.1424E-10
-0.4258569	0.52630445	condition[T.KO]	1.7184E-14	Stx6	0.47955707	0.75652842	5.1524E-10
-1.445835	0.72691341	condition[T.KO]	1.721E-14	Slc25a1	0.21294719	0.47619048	5.1601E-10
-1.3571843	0.70424753	condition[T.KO]	1.7381E-14	Rnf149	0.22657581	0.48387097	5.2112E-10
-0.8384387	0.5924448	condition[T.KO]	1.8181E-14	Upf3a	0.35178876	0.64285714	5.451E-10
-1.0678242	0.63738481	condition[T.KO]	1.8466E-14	Snx15	0.29301533	0.58141321	5.536E-10
-1.7486093	0.81162783	condition[T.KO]	1.87E-14	Lhfpl2	0.15502555	0.39170507	5.6061E-10
-0.7533411	0.57697475	condition[T.KO]	1.8728E-14	Kat6a	0.37989779	0.67588326	5.6142E-10
-0.9382149	0.61101154	condition[T.KO]	1.8734E-14	Clcc1	0.32879046	0.62672811	5.6158E-10
-2.904749	1.29246996	condition[T.KO]	1.8751E-14	Tspan2	0.05110733	0.20583717	5.6209E-10
-2.1078344	0.93242807	condition[T.KO]	1.8866E-14	Zbtb16	0.10732538	0.27726575	5.6552E-10
-0.3871794	0.5201137	condition[T.KO]	1.8925E-14	Cyth2	0.48040886	0.76113671	5.6727E-10
-1.6165844	0.77234621	condition[T.KO]	1.9042E-14	D130043K22f	0.18057922	0.4078341	5.7074E-10
-1.6585703	0.7841328	condition[T.KO]	1.9575E-14	P2ry14	0.17035775	0.39016897	5.8671E-10
-0.6489668	0.55899013	condition[T.KO]	1.9626E-14	Fam204a	0.39182283	0.70199693	5.8822E-10
-0.2545337	0.5023328	condition[T.KO]	1.9817E-14	Npc1	0.51022147	0.8141321	5.9392E-10
-0.5432955	0.54224813	condition[T.KO]	1.9894E-14	Clstn2	0.39097104	0.64746544	5.9621E-10
-0.6074489	0.55217572	condition[T.KO]	1.9958E-14	Cldnd1	0.41226576	0.71966206	5.9809E-10
-0.614762	0.55333496	condition[T.KO]	1.9962E-14	Chfr	0.4011925	0.69738863	5.982E-10

-1.0710359	-0.8131472	condition[T.KO]	2.0579E-14	Ldb3	0.27001704	0.16282642	6.1668E-10
-1.4099879	-0.9820154	condition[T.KO]	2.1127E-14	H2-T22	0.22146508	0.10752688	6.3307E-10
-0.2983182	0.50733013	condition[T.KO]	2.1248E-14	Ldlrad3	0.49829642	0.78648233	6.3667E-10
-0.5700392	0.54572285	condition[T.KO]	2.1365E-14	Arxes1	0.42844974	0.71428571	6.4017E-10
-0.9777652	0.61725129	condition[T.KO]	2.1941E-14	Snx9	0.31175468	0.59754224	6.5739E-10
-0.1430621	0.4880121	condition[T.KO]	2.2144E-14	Jdp2	0.54344123	0.79032258	6.6347E-10
-0.2479637	0.50057612	condition[T.KO]	2.2238E-14	Gal3st1	0.52214651	0.80491551	6.6625E-10
0.06883455	0.46462733	condition[T.KO]	2.404E-14	Taldo1	0.61158433	0.85253456	7.2022E-10
-0.5890814	0.54760306	condition[T.KO]	2.4145E-14	Spen	0.40971039	0.71735791	7.2333E-10
-0.5121901	0.53570346	condition[T.KO]	2.4679E-14	Tbrg1	0.44207836	0.71351767	7.3931E-10
-1.6740339	0.78571839	condition[T.KO]	2.4868E-14	Il34	0.16354344	0.36866359	7.4496E-10
-0.4249	0.5230225	condition[T.KO]	2.4931E-14	Yy1	0.46763203	0.75729647	7.468E-10
-0.6206579	0.55217045	condition[T.KO]	2.5288E-14	Mapk1ip1	0.41396934	0.69508449	7.5748E-10
-0.3377246	0.51082072	condition[T.KO]	2.5954E-14	Map3k4	0.49318569	0.76574501	7.7741E-10
-0.1989572	0.49327334	condition[T.KO]	2.6147E-14	Xbp1	0.54599659	0.80798771	7.8315E-10
-0.5378216	0.53855128	condition[T.KO]	2.764E-14	Anxa7	0.42759796	0.71658986	8.2786E-10
-0.6936987	0.56302886	condition[T.KO]	2.8361E-14	Plekha7	0.379046	0.66436252	8.4943E-10
-0.2113172	0.49395584	condition[T.KO]	2.8894E-14	Bmpr1a	0.52981261	0.81643625	8.6534E-10
-0.2825009	0.50277418	condition[T.KO]	2.8912E-14	Hey2	0.46166951	0.77265745	8.6586E-10
-1.713127	0.79541085	condition[T.KO]	2.8923E-14	Oplah	0.1669506	0.40245776	8.6615E-10
-2.1939453	0.9581759	condition[T.KO]	2.9521E-14	Cald1	0.08262351	0.23809524	8.8402E-10
-1.3048286	0.68563557	condition[T.KO]	2.9631E-14	Trim26	0.2427598	0.52457757	8.873E-10
-0.5671821	0.542382	condition[T.KO]	2.9711E-14	Gm20754	0.38500852	0.6843318	8.8968E-10
-0.1897381	0.49105131	condition[T.KO]	3.0044E-14	Sntb2	0.5153322	0.80875576	8.996E-10
-1.419151	0.71361564	condition[T.KO]	3.0304E-14	Kri1	0.21635434	0.48310292	9.0737E-10
-3.1503741	1.42382372	condition[T.KO]	3.0781E-14	Bbc3	0.04258944	0.1858679	9.2162E-10
-0.4856109	0.52988304	condition[T.KO]	3.0789E-14	Nudt9	0.45741056	0.74807988	9.2183E-10
-0.3772919	0.51458065	condition[T.KO]	3.1162E-14	Magi3	0.46763203	0.74577573	9.3295E-10
0.18577005	0.45155962	condition[T.KO]	3.1209E-14	Manf	0.62776831	0.8655914	9.3435E-10
-0.0170008	0.47096365	condition[T.KO]	3.2985E-14	Tmem25	0.59625213	0.82334869	9.8747E-10
-0.7494526	0.57098784	condition[T.KO]	3.3299E-14	Xrcc5	0.37223169	0.65284178	9.9683E-10
-2.3055931	1.00012791	condition[T.KO]	3.3391E-14	Ednrb	0.08943782	0.25499232	9.9955E-10

-0.7156393	0.56517467	condition[T.KO]	3.3513E-14	Mrps31	0.39267462	0.66820276	1.0032E-09
-0.999926	0.61744529	condition[T.KO]	3.3633E-14	Stam2	0.3032368	0.60829493	1.0067E-09
-0.5624961	0.54048741	condition[T.KO]	3.3953E-14	Rxylt1	0.42333901	0.70660522	1.0163E-09
-1.044529	0.62637467	condition[T.KO]	3.4037E-14	lppk	0.28960818	0.5906298	1.0188E-09
-1.2734614	0.6766184	condition[T.KO]	3.4283E-14	Ptpn21	0.24190801	0.51382488	1.0261E-09
-0.5319886	0.53554552	condition[T.KO]	3.5254E-14	Tmem165	0.44463373	0.73963134	1.0551E-09
-0.9000123	0.5974718	condition[T.KO]	3.5608E-14	P2rx4	0.32453152	0.62749616	1.0657E-09
-0.800034	0.57918104	condition[T.KO]	3.5656E-14	Gtf2f1	0.36030664	0.63056836	1.0671E-09
-1.3079149	0.68429167	condition[T.KO]	3.5831E-14	Bicra	0.23679727	0.49615975	1.0723E-09
-0.5657859	0.5403928	condition[T.KO]	3.6326E-14	Gpatch11	0.43100511	0.6827957	1.0871E-09
-1.7467007	0.80216883	condition[T.KO]	3.7667E-14	Pold2	0.16013629	0.39938556	1.1271E-09
-1.6386202	0.77017512	condition[T.KO]	3.8208E-14	Pradc1	0.18057922	0.42319508	1.1433E-09
-3.9013574	1.96986099	condition[T.KO]	3.8804E-14	Necab1	0.01703578	0.13978495	1.1611E-09
-0.3011228	0.50265267	condition[T.KO]	3.9109E-14	Rmdn1	0.50851789	0.78571429	1.1702E-09
-0.2261336	0.49317767	condition[T.KO]	3.966E-14	Smc3	0.53151618	0.81643625	1.1866E-09
-0.3634655	-0.5883672	condition[T.KO]	4.0672E-14	Fam78a	0.47614991	0.37634409	1.2169E-09
-1.3090232	0.68287599	condition[T.KO]	4.1745E-14	Man1c1	0.23850085	0.48079877	1.2489E-09
-0.7240406	0.5645437	condition[T.KO]	4.1843E-14	Bet1	0.39011925	0.67741935	1.2518E-09
-2.1782807	0.94693547	condition[T.KO]	4.204E-14	C1qtnf12	0.09454855	0.3141321	1.2577E-09
-0.6302996	0.54900966	condition[T.KO]	4.2678E-14	Tpst2	0.40800681	0.70430108	1.2767E-09
-0.866894	0.58948855	condition[T.KO]	4.296E-14	Fam171a1	0.33816014	0.63671275	1.2851E-09
-0.9333151	0.60193951	condition[T.KO]	4.3099E-14	Srr	0.32708688	0.61981567	1.2892E-09
-0.2549348	0.49594176	condition[T.KO]	4.3569E-14	Sh3bgrl	0.50936968	0.80184332	1.3032E-09
-0.423081	0.51786877	condition[T.KO]	4.4294E-14	L1cam	0.46763203	0.74577573	1.3249E-09
-0.4865446	0.52685143	condition[T.KO]	4.4359E-14	Reep3	0.43696763	0.74347158	1.3268E-09
-0.9286374	-0.74553	condition[T.KO]	4.4526E-14	Cd55	0.32112436	0.20737327	1.3317E-09
-0.9236365	0.59974426	condition[T.KO]	4.4645E-14	Irak1bp1	0.32282794	0.59139785	1.3352E-09
-0.7582579	0.56973019	condition[T.KO]	4.4848E-14	Ints3	0.36967632	0.66743472	1.3413E-09
-0.2245079	0.49179189	condition[T.KO]	4.5865E-14	Ccnl2	0.5306644	0.8172043	1.3716E-09
-0.6235877	0.54723385	condition[T.KO]	4.6183E-14	Nup214	0.40374787	0.70967742	1.3811E-09
-1.5473817	0.74238481	condition[T.KO]	4.6432E-14	Klhdc1	0.18824532	0.4500768	1.3885E-09
-2.5966701	1.12038336	condition[T.KO]	4.6865E-14	Csrnp1	0.0681431	0.2281106	1.4014E-09

-0.6997881	0.55943717	condition[T.KO]	4.6883E-14	Dhcr24	0.36286201	0.66052227	1.4019E-09
-2.9924354	1.32189441	condition[T.KO]	4.8052E-14	Sel1l3	0.04770017	0.18740399	1.4368E-09
-1.4840895	0.72484757	condition[T.KO]	4.9054E-14	Gm7818	0.20272572	0.42089094	1.4667E-09
-0.6792423	0.55560867	condition[T.KO]	4.9204E-14	Gna13	0.39437819	0.70583717	1.4712E-09
-2.0860959	0.91050766	condition[T.KO]	4.9792E-14	Plppr5	0.11158433	0.30568356	1.4887E-09
-0.3875787	-0.5911763	condition[T.KO]	5.0453E-14	Gjd2	0.47018739	0.36482335	1.5084E-09
-0.6003213	0.54269232	condition[T.KO]	5.1004E-14	Gna12	0.4088586	0.72887865	1.5248E-09
-0.7890882	0.57372597	condition[T.KO]	5.1812E-14	Gpr89	0.36201022	0.65207373	1.5489E-09
-3.1390072	1.40513409	condition[T.KO]	5.2462E-14	Rab4b	0.04258944	0.19969278	1.5683E-09
-2.5014925	1.07530048	condition[T.KO]	5.2796E-14	Cacna1e	0.07240204	0.20506912	1.5782E-09
-1.2665448	0.67008862	condition[T.KO]	5.3857E-14	Per3	0.24872232	0.50921659	1.6099E-09
-0.0804736	0.47384736	condition[T.KO]	5.4279E-14	Smad1	0.56984668	0.81643625	1.6224E-09
-1.7618634	0.80205171	condition[T.KO]	5.4392E-14	Pknox1	0.15758092	0.37250384	1.6258E-09
-0.2265625	0.49056154	condition[T.KO]	5.4933E-14	Plekha1	0.52214651	0.80337942	1.6419E-09
0.08732628	0.45647928	condition[T.KO]	5.5004E-14	Peds1	0.60221465	0.85483871	1.644E-09
-0.1793824	0.48486076	condition[T.KO]	5.5493E-14	Snx16	0.51703578	0.81029186	1.6585E-09
-1.407727	0.70379096	condition[T.KO]	5.5698E-14	Gm2000	0.22231687	0.45698925	1.6646E-09
-1.4151108	0.70564383	condition[T.KO]	5.5715E-14	Ppwd1	0.21720613	0.47388633	1.6651E-09
-1.2204808	0.65916149	condition[T.KO]	5.5783E-14	Lsg1	0.24787053	0.5422427	1.667E-09
-1.3963658	0.70068713	condition[T.KO]	5.6994E-14	Alkbh1	0.21635434	0.47926267	1.7031E-09
-1.5585516	0.742732	condition[T.KO]	5.8104E-14	Dcbld1	0.18568995	0.42242704	1.7363E-09
0.14266968	0.45074399	condition[T.KO]	5.8664E-14	Ddrgk1	0.63032368	0.86482335	1.7529E-09
-2.1320492	0.92410459	condition[T.KO]	6.1406E-14	Met	0.09454855	0.28955453	1.8348E-09
-0.6172101	0.54355213	condition[T.KO]	6.2112E-14	Mapk14	0.41737649	0.71274962	1.8559E-09
-2.761264	1.19409286	condition[T.KO]	6.307E-14	Disp3	0.06132879	0.22887865	1.8844E-09
-0.1267573	0.47767897	condition[T.KO]	6.3866E-14	Zfp24	0.5451448	0.80568356	1.9081E-09
-0.3348726	0.50286884	condition[T.KO]	6.4118E-14	Mydgf	0.49488927	0.78341014	1.9156E-09
-1.874488	0.83488208	condition[T.KO]	6.4946E-14	E2f5	0.14054514	0.36943164	1.9402E-09
-1.0368493	0.61817311	condition[T.KO]	6.5423E-14	Arhgap22	0.29897785	0.55913978	1.9544E-09
-1.1929352	0.65121351	condition[T.KO]	6.5854E-14	Amdhd2	0.27172061	0.54454685	1.9673E-09
-1.0244849	0.61548851	condition[T.KO]	6.6647E-14	Adam17	0.29982964	0.59754224	1.9909E-09
-1.2885296	0.67282207	condition[T.KO]	6.696E-14	Net1	0.23083475	0.46774194	2.0002E-09

-1.0083047	0.61204509	condition[T.KO]	6.8012E-14	Trmt6	0.31005111	0.58064516	2.0315E-09
-0.7784842	0.5692598	condition[T.KO]	6.8335E-14	Wdr43	0.3560477	0.65821813	2.0411E-09
-2.0301139	0.88615487	condition[T.KO]	6.842E-14	Ino80dos	0.11839864	0.34485407	2.0436E-09
-0.4964333	0.52447929	condition[T.KO]	6.852E-14	Ap3d1	0.44974446	0.73579109	2.0465E-09
-0.5124663	0.52677686	condition[T.KO]	6.8791E-14	Gfod2	0.43696763	0.71198157	2.0545E-09
-1.5732253	0.74460146	condition[T.KO]	6.933E-14	Zcchc24	0.18824532	0.42780338	2.0705E-09
-1.7354512	0.79097271	condition[T.KO]	6.9356E-14	Zfp955a	0.16354344	0.39324117	2.0712E-09
-0.8981586	0.59049934	condition[T.KO]	7.0262E-14	Tmod3	0.3330494	0.60138249	2.0982E-09
-1.5385	0.73502481	condition[T.KO]	7.0269E-14	Spaca6	0.19591141	0.44162826	2.0984E-09
-0.7815915	0.56944123	condition[T.KO]	7.0958E-14	Nol11	0.35860307	0.64362519	2.1189E-09
-0.7008718	0.55577093	condition[T.KO]	7.1069E-14	Tmem87a	0.38330494	0.68894009	2.1221E-09
-1.7571743	0.79706247	condition[T.KO]	7.1686E-14	Nr1d1	0.15758092	0.37557604	2.1405E-09
-0.8798764	0.58687702	condition[T.KO]	7.1974E-14	Cblb	0.32793867	0.61059908	2.149E-09
-0.402089	0.51073437	condition[T.KO]	7.2694E-14	Mboat2	0.46252129	0.75652842	2.1704E-09
-0.7290188	0.56020478	condition[T.KO]	7.2993E-14	Hid1	0.379046	0.66589862	2.1793E-09
-1.7054485	0.78122024	condition[T.KO]	7.4278E-14	Ttf1	0.16780239	0.40168971	2.2176E-09
-0.3217128	0.49990042	condition[T.KO]	7.4495E-14	Hsd17b10	0.49744463	0.7703533	2.224E-09
-0.8289016	0.57724041	condition[T.KO]	7.4964E-14	Phka2	0.34752981	0.6328725	2.2379E-09
-0.1354182	0.47734569	condition[T.KO]	7.5114E-14	Cadm4	0.55451448	0.82334869	2.2423E-09
-0.8352197	0.57833307	condition[T.KO]	7.5252E-14	Arfgap1	0.34923339	0.64746544	2.2463E-09
-1.0887209	0.62739072	condition[T.KO]	7.5265E-14	Dbt	0.28364566	0.546851	2.2466E-09
-0.5195791	0.52700649	condition[T.KO]	7.5408E-14	Srebf2	0.44122658	0.73041475	2.2509E-09
-2.818071	1.21918799	condition[T.KO]	7.6104E-14	Tmem232	0.05792164	0.22196621	2.2716E-09
-0.7912885	0.57040417	condition[T.KO]	7.6566E-14	Ctdspl2	0.36201022	0.65591398	2.2853E-09
-1.0238142	0.61390204	condition[T.KO]	7.6863E-14	Tspyl2	0.3032368	0.5906298	2.294E-09
-1.4762462	0.71746677	condition[T.KO]	7.7284E-14	Mrpl23	0.20528109	0.44623656	2.3065E-09
-0.5194233	0.52672507	condition[T.KO]	7.7641E-14	Tmem184b	0.43526405	0.73809524	2.3171E-09
-0.7947774	0.57087875	condition[T.KO]	7.7652E-14	Tbc1d12	0.36286201	0.65284178	2.3174E-09
-0.6230297	0.54228977	condition[T.KO]	7.892E-14	Paxx	0.40715503	0.70890937	2.3551E-09
-3.7533216	1.82266842	condition[T.KO]	8.188E-14	Gm15542	0.02385009	0.16359447	2.4434E-09
-1.6942937	0.77642195	condition[T.KO]	8.383E-14	Mcur1	0.16950596	0.41321045	2.5015E-09
-2.0676083	0.89634758	condition[T.KO]	8.3881E-14	Gm20063	0.11584327	0.30491551	2.5029E-09

-0.5298452	0.52754009	condition[T.KO]	8.4172E-14	Las1l	0.42759796	0.72043011	2.5115E-09
-0.151428	0.47813121	condition[T.KO]	8.5298E-14	Ddx42	0.54429302	0.80107527	2.545E-09
0.2093427	0.44180101	condition[T.KO]	8.6225E-14	Cntfr	0.6439523	0.86328725	2.5726E-09
-2.9544199	1.28866217	condition[T.KO]	8.6498E-14	Pmel	0.0451448	0.16436252	2.5807E-09
-1.4401376	0.70678379	condition[T.KO]	8.7262E-14	Osbpl5	0.21379898	0.44777266	2.6034E-09
-0.3718108	0.50498082	condition[T.KO]	8.8497E-14	Lgi1	0.43611584	0.7296467	2.6401E-09
-0.9253265	0.59331071	condition[T.KO]	8.856E-14	Flot1	0.32197615	0.60291859	2.6419E-09
-0.2292212	0.4868455	condition[T.KO]	8.9592E-14	Arhgdia	0.53492334	0.80568356	2.6726E-09
-0.9500645	0.59778096	condition[T.KO]	9.0651E-14	Tmed5	0.32112436	0.60522273	2.7041E-09
-0.2258138	0.48622532	condition[T.KO]	9.1897E-14	Tmed4	0.52725724	0.80798771	2.7412E-09
-0.8032054	0.57073066	condition[T.KO]	9.2001E-14	Letm2	0.35264055	0.63824885	2.7442E-09
0.23985711	0.43859093	condition[T.KO]	9.2922E-14	Sesn3	0.64054514	0.8671275	2.7716E-09
-1.4281988	0.70260746	condition[T.KO]	9.6399E-14	Parp2	0.21465077	0.46313364	2.8752E-09
-0.3549782	0.5020158	condition[T.KO]	9.6553E-14	Adcy9	0.48977853	0.76728111	2.8797E-09
0.09398211	0.4513511	condition[T.KO]	9.8292E-14	Fmn12	0.5911414	0.85867896	2.9315E-09
-1.1488704	0.63726318	condition[T.KO]	9.8791E-14	Anapc7	0.2725724	0.55299539	2.9462E-09
-0.8901611	0.58564754	condition[T.KO]	9.9004E-14	Mtmr12	0.33475298	0.60291859	2.9525E-09
-1.3551671	0.68407934	condition[T.KO]	1.0087E-13	Gng7	0.22913118	0.48617512	3.0081E-09
-4.0738256	2.09542002	condition[T.KO]	1.0123E-13	Lrrc10b	0.0153322	0.12365591	3.0185E-09
-0.0482956	0.46536914	condition[T.KO]	1.0185E-13	Npc2	0.58006814	0.84792627	3.037E-09
-0.2346915	0.48637808	condition[T.KO]	1.026E-13	Sptssa	0.52385009	0.80337942	3.0594E-09
-0.2628065	0.48973802	condition[T.KO]	1.0338E-13	Srp72	0.5153322	0.78110599	3.0824E-09
-0.144332	0.47569422	condition[T.KO]	1.0419E-13	Stx16	0.55706985	0.82411674	3.1064E-09
-2.0291558	0.87931084	condition[T.KO]	1.0771E-13	Inf2	0.12691652	0.33947773	3.2114E-09
0.00063543	0.45983502	condition[T.KO]	1.0781E-13	Plekhb1	0.56388416	0.84331797	3.2142E-09
-0.5486315	0.5279528	condition[T.KO]	1.097E-13	Zfp612	0.42589438	0.70353303	3.2704E-09
-1.1810063	0.64296238	condition[T.KO]	1.1119E-13	Atxn3	0.2649063	0.54454685	3.3149E-09
-0.5445299	0.52698926	condition[T.KO]	1.1411E-13	Ino80	0.41993186	0.72887865	3.4019E-09
-0.1024901	0.47019064	condition[T.KO]	1.1554E-13	Kmt5a	0.56473595	0.80952381	3.4443E-09
-0.8703359	0.58044323	condition[T.KO]	1.1619E-13	Map3k3	0.3407155	0.60291859	3.4636E-09
-3.2483571	1.45385612	condition[T.KO]	1.1697E-13	Emp1	0.02981261	0.15437788	3.4867E-09
-0.3130971	0.49494859	condition[T.KO]	1.1739E-13	Sh3d19	0.46081772	0.76574501	3.4991E-09

-1.9050014	0.83659535	condition[T.KO]	1.1776E-13	Rpl10a-ps1	0.13543441	0.36021505	3.51E-09
0.2394689	0.4366444	condition[T.KO]	1.2068E-13	Gde1	0.64480409	0.86789555	3.5969E-09
-0.8471758	0.57559839	condition[T.KO]	1.2438E-13	Abhd11	0.35093697	0.60138249	3.7069E-09
-1.766846	0.79259182	condition[T.KO]	1.2623E-13	Dxo	0.16183986	0.38940092	3.7621E-09
-3.5541802	1.65805801	condition[T.KO]	1.2659E-13	Matn2	0.02810903	0.16666667	3.7726E-09
-2.9581431	1.28265077	condition[T.KO]	1.273E-13	Fxyd2	0.04770017	0.18894009	3.7938E-09
-1.3678003	0.68443261	condition[T.KO]	1.2782E-13	Glce	0.22231687	0.46236559	3.8091E-09
-0.3550594	0.49958187	condition[T.KO]	1.2843E-13	Tiprl	0.4923339	0.75576037	3.827E-09
0.82056123	0.39637772	condition[T.KO]	1.2888E-13	Rpl3	0.70187394	0.88556068	3.8403E-09
-0.779999	0.56340836	condition[T.KO]	1.2977E-13	Rnf180	0.34923339	0.63364055	3.8666E-09
-0.5869189	0.5321562	condition[T.KO]	1.3022E-13	Tmem9	0.42759796	0.71351767	3.8801E-09
-0.5337015	0.52417625	condition[T.KO]	1.3066E-13	Nsmce4a	0.439523	0.72119816	3.8929E-09
-1.3663781	0.68372614	condition[T.KO]	1.3192E-13	Bcl9l	0.22487223	0.48156682	3.9305E-09
-2.2670652	0.96284166	condition[T.KO]	1.3555E-13	Pla2g3	0.09625213	0.28878648	4.0383E-09
-0.9394491	0.59166219	condition[T.KO]	1.3644E-13	Phrf1	0.32112436	0.62211982	4.0649E-09
-0.6854885	0.54716438	condition[T.KO]	1.367E-13	Azin2	0.39097104	0.65514593	4.0723E-09
-0.6582364	0.54256615	condition[T.KO]	1.4011E-13	Abhd2	0.39267462	0.66743472	4.1739E-09
-0.6897052	0.54755637	condition[T.KO]	1.4101E-13	Taf3	0.38415673	0.67665131	4.2004E-09
-2.5781926	1.09233689	condition[T.KO]	1.4107E-13	Tmsb15b2	0.07325383	0.22043011	4.2021E-09
-0.8813155	0.58029647	condition[T.KO]	1.4447E-13	Dhx32	0.33219761	0.61367127	4.3032E-09
-0.5976898	0.53272445	condition[T.KO]	1.4646E-13	Tcp11l2	0.4165247	0.69662058	4.3625E-09
-0.7736344	0.56111256	condition[T.KO]	1.4715E-13	Sap30bp	0.36797274	0.65591398	4.383E-09
-1.5403805	0.72646493	condition[T.KO]	1.4869E-13	Grid1	0.17802385	0.38248848	4.4284E-09
-1.6296332	0.75050299	condition[T.KO]	1.5177E-13	Pnpla2	0.17887564	0.42242704	4.5202E-09
-1.3200636	0.67102592	condition[T.KO]	1.5244E-13	Arhgef28	0.23168654	0.49462366	4.5398E-09
-1.0061769	0.60338409	condition[T.KO]	1.5262E-13	Glmp	0.31686542	0.59831029	4.5451E-09
-0.5446403	0.52433152	condition[T.KO]	1.5355E-13	Mbd2	0.41908007	0.71505376	4.5728E-09
-1.3797685	0.68519547	condition[T.KO]	1.5398E-13	Daam2	0.22402044	0.46082949	4.5855E-09
-1.1980484	0.64308353	condition[T.KO]	1.552E-13	Nfrkb	0.2649063	0.54301075	4.6215E-09
-0.6866919	0.54614837	condition[T.KO]	1.5555E-13	Camk2b	0.39437819	0.64900154	4.6319E-09
-0.6564564	0.54130393	condition[T.KO]	1.5568E-13	Ext1	0.38500852	0.67434716	4.6356E-09
-0.4281688	0.5075353	condition[T.KO]	1.5811E-13	Safb2	0.46848382	0.75960061	4.7077E-09

-0.3060171	0.49143799	condition[T.KO]	1.5963E-13	Bicral	0.50596252	0.79723502	4.753E-09
-1.7832385	0.79421933	condition[T.KO]	1.6218E-13	Nwd1	0.14821124	0.37864823	4.8286E-09
-1.750432	0.78435529	condition[T.KO]	1.6273E-13	Ier5	0.15076661	0.35560676	4.8447E-09
-0.4159327	0.50552611	condition[T.KO]	1.6447E-13	Atp1a2	0.40034072	0.66205837	4.8963E-09
-3.1074033	1.36074539	condition[T.KO]	1.663E-13	Ceacam10	0.03918228	0.17357911	4.9507E-09
-1.1673665	0.63562127	condition[T.KO]	1.669E-13	Eif4ebp2	0.26575809	0.52995392	4.9684E-09
-0.1926942	0.47727712	condition[T.KO]	1.6853E-13	Sipa1l2	0.52470187	0.79877112	5.0169E-09
-2.7096461	1.15001567	condition[T.KO]	1.7009E-13	Prrx2	0.06473595	0.22119816	5.063E-09
-0.1887463	0.47666702	condition[T.KO]	1.7164E-13	Gspt1	0.51959114	0.79185868	5.1092E-09
-0.67352	0.54292615	condition[T.KO]	1.7503E-13	Mrto4	0.39182283	0.66513057	5.2098E-09
-0.4688455	0.51221791	condition[T.KO]	1.7592E-13	Pkia	0.43441227	0.73655914	5.2362E-09
-0.6963132	0.54645726	condition[T.KO]	1.7763E-13	Bag3	0.33134583	0.61674347	5.2867E-09
-1.4922011	0.71169104	condition[T.KO]	1.7765E-13	Hes6	0.20187394	0.43778802	5.2873E-09
-3.8283038	1.86032842	condition[T.KO]	1.784E-13	Rasl11a	0.01959114	0.14208909	5.3094E-09
-0.0321363	0.45914466	condition[T.KO]	1.7921E-13	Abcf1	0.56899489	0.81797235	5.3332E-09
-0.3539555	0.49654101	condition[T.KO]	1.7975E-13	Tm9sf4	0.50425894	0.78187404	5.3491E-09
-1.4798624	0.70834725	condition[T.KO]	1.8018E-13	Erich1	0.19505963	0.42857143	5.3618E-09
-1.1858526	0.63868855	condition[T.KO]	1.8192E-13	Pknnox2	0.25553663	0.50537634	5.4133E-09
-0.5115027	0.51786866	condition[T.KO]	1.841E-13	Amd1	0.43100511	0.70967742	5.478E-09
-1.8700839	0.81929	condition[T.KO]	1.8425E-13	Plin2	0.13543441	0.33870968	5.4824E-09
-0.8134083	0.56573285	condition[T.KO]	1.8551E-13	Lin7c	0.36626917	0.640553	5.5196E-09
-1.2796391	0.65940243	condition[T.KO]	1.8582E-13	Lpcat1	0.2427598	0.52457757	5.5288E-09
-0.7365788	0.5526012	condition[T.KO]	1.8657E-13	Ebf3	0.37478705	0.640553	5.5508E-09
0.2147699	0.43540365	condition[T.KO]	1.8735E-13	Golgb1	0.62606474	0.85714286	5.5738E-09
-0.5899127	0.52916468	condition[T.KO]	1.8984E-13	Nsmce3	0.42248722	0.70046083	5.6479E-09
-1.2832748	0.65976069	condition[T.KO]	1.9387E-13	Mboat7	0.24957411	0.51920123	5.7673E-09
-0.3119723	0.49039244	condition[T.KO]	1.9692E-13	Borcs5	0.5	0.7749616	5.8579E-09
-0.9616799	0.59213786	condition[T.KO]	1.9755E-13	Sfi1	0.31431005	0.59139785	5.8765E-09
-0.6758753	0.54210243	condition[T.KO]	1.9892E-13	Socs7	0.39948893	0.69047619	5.917E-09
-1.5545943	0.72659547	condition[T.KO]	2.0035E-13	Lzic	0.19420784	0.43317972	5.9595E-09
-0.8375419	0.5691541	condition[T.KO]	2.0159E-13	Col19a1	0.3253833	0.57680492	5.9959E-09
-2.3894974	1.00506969	condition[T.KO]	2.0195E-13	Tcf7l1	0.0834753	0.26574501	6.0066E-09

-1.4737531	0.70507522	condition[T.KO]	2.0782E-13	Pdgfrl	0.19335605	0.41551459	6.181E-09
0.3935787	0.4201082	condition[T.KO]	2.1061E-13	Hmgcs1	0.63543441	0.87096774	6.2639E-09
-1.1764753	0.63504335	condition[T.KO]	2.1098E-13	Lyar	0.26831346	0.53379416	6.2746E-09
-0.4172217	0.50348296	condition[T.KO]	2.1171E-13	Elf2	0.47103918	0.75422427	6.2961E-09
-1.4913557	0.70934931	condition[T.KO]	2.1191E-13	Aga	0.20613288	0.45698925	6.3019E-09
-1.1037194	0.61944	condition[T.KO]	2.1552E-13	Vamp5	0.26746167	0.54070661	6.409E-09
-0.3011373	0.48822566	condition[T.KO]	2.1642E-13	Rab9	0.50340716	0.75729647	6.4354E-09
-0.4333947	0.50543011	condition[T.KO]	2.1771E-13	1110038B12F	0.45315162	0.72196621	6.4736E-09
-1.2669383	0.65469713	condition[T.KO]	2.183E-13	Pxn	0.24872232	0.51843318	6.4911E-09
-0.5855242	0.52719918	condition[T.KO]	2.1878E-13	Rnf181	0.41482112	0.69585253	6.5051E-09
-1.2302721	0.64638423	condition[T.KO]	2.1972E-13	Vstm5	0.25383305	0.50998464	6.5328E-09
0.46882261	0.41425352	condition[T.KO]	2.2138E-13	Rpl27a	0.67291312	0.86175115	6.5819E-09
-0.2525924	0.48180829	condition[T.KO]	2.2854E-13	Frmd5	0.4548552	0.69815668	6.7945E-09
-0.9423016	0.5868992	condition[T.KO]	2.3059E-13	Prxl2c	0.31601363	0.59447005	6.8553E-09
-0.5549164	0.52213913	condition[T.KO]	2.31E-13	Nbas	0.42248722	0.7265745	6.8673E-09
-0.4229345	0.50345155	condition[T.KO]	2.319E-13	Trerf1	0.45315162	0.73963134	6.8938E-09
-1.1051568	0.61894834	condition[T.KO]	2.3208E-13	Phlpp2	0.2802385	0.56758833	6.8989E-09
-1.195952	0.63809652	condition[T.KO]	2.3482E-13	Faxc	0.25298126	0.53533026	6.9801E-09
-0.4549068	0.5076369	condition[T.KO]	2.3678E-13	Jakmip1	0.45315162	0.73041475	7.0382E-09
0.12455882	0.44161011	condition[T.KO]	2.3717E-13	Srpr	0.61499148	0.85407066	7.0494E-09
-0.9565408	0.58914063	condition[T.KO]	2.4086E-13	Ap3m2	0.31686542	0.57910906	7.159E-09
-1.3994381	0.68476478	condition[T.KO]	2.4122E-13	Hspa13	0.22146508	0.48310292	7.1693E-09
-1.0281878	0.60284649	condition[T.KO]	2.4439E-13	Ppp4r1l-ps-1	0.30749574	0.56682028	7.2633E-09
-1.0650349	0.61017669	condition[T.KO]	2.4501E-13	Bpgm	0.27853492	0.55453149	7.2814E-09
-0.5489506	0.52066462	condition[T.KO]	2.4661E-13	Tmem11	0.43270869	0.69815668	7.3288E-09
-1.032358	0.6035543	condition[T.KO]	2.4714E-13	Rbm7	0.30408859	0.59293395	7.3442E-09
-4.3129373	2.29984708	condition[T.KO]	2.4956E-13	Kcnb1	0.01362862	0.14669739	7.416E-09
-1.8569376	0.81098046	condition[T.KO]	2.4993E-13	Ydjc	0.14565588	0.36328725	7.4266E-09
-1.2521887	0.64984749	condition[T.KO]	2.4999E-13	Trmt10b	0.25127768	0.51382488	7.4281E-09
-2.7647535	1.16928618	condition[T.KO]	2.5006E-13	Kbtbd11	0.05962521	0.22427035	7.4299E-09
-0.5392796	0.51903156	condition[T.KO]	2.5258E-13	Eif4a3	0.43696763	0.70737327	7.5048E-09
-1.3180129	0.66473648	condition[T.KO]	2.54E-13	Mpv17l	0.2274276	0.49078341	7.5465E-09

-2.1703635	0.9166188	condition[T.KO]	2.5436E-13	Gusb	0.10647359	0.31029186	7.5572E-09
-2.0653723	0.87924027	condition[T.KO]	2.547E-13	Cdc42ep1	0.120954	0.32718894	7.5668E-09
0.27307665	0.42802474	condition[T.KO]	2.5854E-13	Pgp	0.6439523	0.84715822	7.6808E-09
-0.2357703	0.47869684	condition[T.KO]	2.6014E-13	Ric3	0.52810903	0.77419355	7.7279E-09
-1.2048755	0.63888864	condition[T.KO]	2.6082E-13	Rrp8	0.25553663	0.50768049	7.748E-09
-1.0171991	0.59995865	condition[T.KO]	2.6202E-13	Cdk7	0.29471891	0.59600614	7.7832E-09
0.49556371	0.41110788	condition[T.KO]	2.6315E-13	Prdx1	0.67035775	0.88172043	7.8167E-09
-1.8496762	0.80800128	condition[T.KO]	2.6341E-13	ENSMUSG000	0.13798978	0.37096774	7.8241E-09
-0.4216874	0.50202578	condition[T.KO]	2.6735E-13	P4hb	0.47018739	0.76344086	7.9407E-09
-0.2027264	0.47445077	condition[T.KO]	2.7157E-13	Arpc4	0.53151618	0.78648233	8.066E-09
-1.0615488	0.60827341	condition[T.KO]	2.7454E-13	N4bp2l1	0.29301533	0.56989247	8.1539E-09
-1.7340239	0.77264609	condition[T.KO]	2.7456E-13	Tspan4	0.15247019	0.37864823	8.154E-09
-0.1441893	0.46768666	condition[T.KO]	2.7499E-13	Atp6v0e	0.54599659	0.82872504	8.1666E-09
-0.4870747	0.51076059	condition[T.KO]	2.7567E-13	Pa2g4	0.45400341	0.73579109	8.1865E-09
-0.4696213	0.50822281	condition[T.KO]	2.7862E-13	Mfsd11	0.45655877	0.74731183	8.274E-09
-0.4167863	0.50082545	condition[T.KO]	2.8419E-13	Gnl2	0.47359455	0.74423963	8.4391E-09
-0.1387381	0.46670931	condition[T.KO]	2.8756E-13	Clint1	0.54684838	0.81259601	8.5387E-09
-0.0310183	0.45519722	condition[T.KO]	2.8786E-13	Il6st	0.57495741	0.83102919	8.5476E-09
-0.0191636	0.45382801	condition[T.KO]	2.9348E-13	Zmat2	0.57751278	0.80568356	8.7141E-09
0.10626398	0.44157861	condition[T.KO]	2.9513E-13	Ddt	0.60477002	0.80491551	8.7627E-09
-0.6660313	0.53681016	condition[T.KO]	2.9555E-13	Ralgps1	0.39182283	0.68049155	8.7748E-09
-1.2450746	0.6462663	condition[T.KO]	2.9857E-13	Atxn7l1	0.24446337	0.49539171	8.8643E-09
-1.3743964	0.67620153	condition[T.KO]	2.987E-13	Snupn	0.22913118	0.47849462	8.8679E-09
-0.5686906	0.52162755	condition[T.KO]	3.0503E-13	Cers4	0.4318569	0.71735791	9.0553E-09
-1.5712483	0.72576078	condition[T.KO]	3.067E-13	Gins4	0.19250426	0.43932412	9.1046E-09
-0.439964	0.50327688	condition[T.KO]	3.069E-13	Tspan31	0.4548552	0.75883257	9.1102E-09
-1.941763	0.83471281	condition[T.KO]	3.1485E-13	B4galt4	0.1362862	0.35176651	9.346E-09
-2.2385131	0.93836139	condition[T.KO]	3.1871E-13	Pim2	0.10051107	0.28648233	9.4603E-09
-0.3427136	0.49011492	condition[T.KO]	3.1908E-13	Yipf1	0.49403748	0.78110599	9.4709E-09
-1.3211555	0.66263835	condition[T.KO]	3.2513E-13	Itprid2	0.23764906	0.49539171	9.6501E-09
0.18522883	0.43346822	condition[T.KO]	3.3492E-13	Aopep	0.63543441	0.86789555	9.9403E-09
-1.5129252	0.7092795	condition[T.KO]	3.3674E-13	AU041133	0.20017036	0.43010753	9.9942E-09

-0.8026739	0.55795105	condition[T.KO]	3.3988E-13	Clasrp	0.3713799	0.65360983	1.0087E-08
-0.9077148	0.57649855	condition[T.KO]	3.4177E-13	Sun1	0.33219761	0.63824885	1.0143E-08
-1.473759	0.6990586	condition[T.KO]	3.4252E-13	Kif1c	0.20528109	0.45238095	1.0165E-08
-1.4547716	0.69416723	condition[T.KO]	3.4578E-13	Nelfe	0.21124361	0.45391705	1.0261E-08
-1.1909976	0.63270385	condition[T.KO]	3.4761E-13	Ripply2	0.26235094	0.49155146	1.0315E-08
-0.2541996	0.47823767	condition[T.KO]	3.5552E-13	Mme	0.48126065	0.77956989	1.0549E-08
-0.6452283	0.53177373	condition[T.KO]	3.5695E-13	Spire2	0.40034072	0.68202765	1.0591E-08
0.09305123	0.44129437	condition[T.KO]	3.5728E-13	Bod1l	0.60306644	0.83333333	1.0601E-08
-0.3934988	0.49557882	condition[T.KO]	3.6237E-13	Adarb2	0.41226576	0.67050691	1.0752E-08
0.22999827	0.42882135	condition[T.KO]	3.7127E-13	Txndc15	0.64650767	0.8625192	1.1015E-08
-0.1026586	0.4605026	condition[T.KO]	3.7779E-13	Ubtd1	0.5681431	0.78341014	1.1208E-08
-1.5755894	0.72420118	condition[T.KO]	3.8107E-13	Gm43889	0.18143101	0.41321045	1.1305E-08
-0.1316334	0.46332731	condition[T.KO]	3.9289E-13	Ctnnbip1	0.55366269	0.80568356	1.1655E-08
-4.2770297	2.24481494	condition[T.KO]	3.9531E-13	Gm19299	0.01277683	0.140553	1.1727E-08
-0.7093134	0.54069497	condition[T.KO]	4.0585E-13	Med27	0.38160136	0.67511521	1.2039E-08
-0.7474697	0.54692209	condition[T.KO]	4.0596E-13	Med4	0.37563884	0.64132104	1.2042E-08
-0.9182224	0.57660355	condition[T.KO]	4.0877E-13	Aldh7a1	0.32964225	0.62211982	1.2125E-08
0.57948137	-0.4288602	condition[T.KO]	4.121E-13	Lgi2	0.68143101	0.74884793	1.2223E-08
-0.5259015	0.51258766	condition[T.KO]	4.1384E-13	Smpd1	0.44804089	0.73041475	1.2274E-08
-0.6354119	0.52879334	condition[T.KO]	4.1689E-13	Glt8d1	0.42078365	0.71428571	1.2365E-08
-1.8831732	0.81193559	condition[T.KO]	4.2095E-13	Usp50	0.14310051	0.35330261	1.2485E-08
0.42220994	0.4127532	condition[T.KO]	4.2349E-13	Sorbs1	0.66269165	0.87941628	1.2559E-08
-0.9498374	0.58206421	condition[T.KO]	4.2473E-13	Cox18	0.31686542	0.58678955	1.2596E-08
-0.5909841	0.52183394	condition[T.KO]	4.2679E-13	Rsbh1	0.41822828	0.71044547	1.2657E-08
-0.269666	0.47842747	condition[T.KO]	4.3187E-13	Peli2	0.49829642	0.78725038	1.2807E-08
-1.429912	0.68512184	condition[T.KO]	4.3943E-13	Atm	0.20868825	0.4546851	1.303E-08
-1.4743862	0.69602976	condition[T.KO]	4.4539E-13	Smyd4	0.20528109	0.44700461	1.3207E-08
-1.0661386	0.60383597	condition[T.KO]	4.547E-13	Lzts3	0.29642249	0.55453149	1.3482E-08
-0.1065087	-0.5133475	condition[T.KO]	4.5608E-13	Tmem132c	0.46337308	0.43932412	1.3523E-08
-0.3494746	0.48781052	condition[T.KO]	4.5815E-13	lfrd1	0.49063032	0.73886329	1.3584E-08
-0.4866605	0.50607919	condition[T.KO]	4.5961E-13	Xpnpep1	0.46166951	0.74193548	1.3626E-08
-0.537381	0.51321891	condition[T.KO]	4.6243E-13	Map4k5	0.43867121	0.73041475	1.371E-08

-1.9143929	0.82037042	condition[T.KO]	4.6527E-13	Eif2ak2	0.13798978	0.34101382	1.3793E-08
-0.2211536	0.47197873	condition[T.KO]	4.6823E-13	9530059O14I	0.51703578	0.77419355	1.3881E-08
-0.1049153	0.45877307	condition[T.KO]	4.7905E-13	Erbin	0.56558773	0.81950845	1.4201E-08
-0.3444356	0.48674897	condition[T.KO]	4.8065E-13	Ckap4	0.48722317	0.76804916	1.4248E-08
-1.9285517	0.82426126	condition[T.KO]	4.8605E-13	Mdk	0.1132879	0.30107527	1.4407E-08
0.73893257	0.39139554	condition[T.KO]	4.8898E-13	Plp1	0.66609881	0.87711214	1.4494E-08
-0.9414661	0.57904346	condition[T.KO]	4.8951E-13	Gab1	0.31686542	0.57603687	1.4509E-08
-0.8464748	0.56169231	condition[T.KO]	5.0077E-13	Ngdn	0.35008518	0.62672811	1.4842E-08
-0.0829937	0.45605586	condition[T.KO]	5.0157E-13	Sys1	0.56643952	0.82258065	1.4866E-08
-0.4330152	0.4979316	condition[T.KO]	5.0207E-13	Ybx3	0.45826235	0.74270353	1.488E-08
-0.2045147	0.46935532	condition[T.KO]	5.0805E-13	Cep85I	0.52129472	0.78341014	1.5057E-08
-1.8641378	0.80329827	condition[T.KO]	5.1099E-13	Uaca	0.14480409	0.35714286	1.5143E-08
-2.0999747	0.88073869	condition[T.KO]	5.1265E-13	Rragd	0.11413969	0.3141321	1.5192E-08
-1.4881401	0.69773173	condition[T.KO]	5.1492E-13	Acad9	0.20187394	0.44009217	1.5259E-08
-0.9034617	0.57153842	condition[T.KO]	5.1593E-13	Lhfp15	0.33219761	0.59907834	1.5288E-08
-0.632691	0.52624252	condition[T.KO]	5.2254E-13	Tvp23b	0.41396934	0.70276498	1.5483E-08
-0.1189039	0.45954715	condition[T.KO]	5.2314E-13	Arf4	0.55195911	0.83410138	1.5501E-08
-1.7853157	0.77900001	condition[T.KO]	5.2715E-13	Smo	0.14991482	0.37480799	1.5619E-08
0.18228925	0.43002867	condition[T.KO]	5.3638E-13	Rhob	0.62606474	0.83717358	1.5892E-08
-1.5105686	0.70293844	condition[T.KO]	5.3651E-13	0610030E20F	0.19846678	0.43932412	1.5895E-08
0.18317851	0.42992059	condition[T.KO]	5.3848E-13	Ttc19	0.62521295	0.85637481	1.5953E-08
-0.5228692	0.50972989	condition[T.KO]	5.389E-13	Rapgef1	0.4318569	0.72887865	1.5965E-08
-1.3434716	0.66195849	condition[T.KO]	5.3998E-13	Eef2k	0.22998296	0.48387097	1.5996E-08
-1.8835871	0.80852867	condition[T.KO]	5.4132E-13	Pon2	0.13713799	0.37096774	1.6036E-08
-1.2850434	0.64849815	condition[T.KO]	5.4138E-13	Ino80b	0.24446337	0.49923195	1.6037E-08
-2.2540145	0.93556314	condition[T.KO]	5.4558E-13	Tmbim1	0.09710392	0.29185868	1.6161E-08
-0.9427196	0.57809797	condition[T.KO]	5.4872E-13	Sh3pxd2b	0.31686542	0.5890937	1.6253E-08
-1.3689181	0.66762881	condition[T.KO]	5.547E-13	Bcl6	0.22316865	0.46236559	1.643E-08
0.17579011	0.43027787	condition[T.KO]	5.5835E-13	Lama2	0.56729131	0.84485407	1.6537E-08
-2.5003591	1.03334875	condition[T.KO]	5.6914E-13	Lrfrn2	0.07495741	0.23655914	1.6856E-08
-1.073907	0.6029271	condition[T.KO]	5.7218E-13	Ephb2	0.2879046	0.53456221	1.6946E-08
-0.4091847	0.49335549	condition[T.KO]	5.8692E-13	Trappc10	0.46252129	0.73041475	1.7382E-08

0.03746996	0.44249069	condition[T.KO]	5.9406E-13	Med12l	0.57325383	0.8218126	1.7592E-08
0.25480367	0.42281982	condition[T.KO]	6.1572E-13	Ubxn4	0.63969336	0.86789555	1.8233E-08
-0.8895019	0.56700212	condition[T.KO]	6.2909E-13	S100a13	0.30153322	0.59139785	1.8629E-08
-2.1837439	0.90721486	condition[T.KO]	6.3394E-13	Zfp503	0.10391823	0.29032258	1.8772E-08
-0.9831508	0.58404989	condition[T.KO]	6.4117E-13	Crppa	0.30408859	0.5890937	1.8985E-08
-0.6482582	0.52648388	condition[T.KO]	6.5513E-13	Utp3	0.39863714	0.66052227	1.9398E-08
-0.904783	0.56930909	condition[T.KO]	6.5679E-13	Septin9	0.33816014	0.61520737	1.9446E-08
-1.4558623	0.68665895	condition[T.KO]	6.5743E-13	2900093K20F	0.21124361	0.44777266	1.9464E-08
0.66668022	0.3933314	condition[T.KO]	6.6462E-13	Ncam1	0.68994889	0.88248848	1.9677E-08
-0.3452706	0.48396872	condition[T.KO]	6.6681E-13	Tro	0.48211244	0.72273425	1.9741E-08
-1.1042406	0.60735467	condition[T.KO]	6.6883E-13	Kdsr	0.28364566	0.55145929	1.98E-08
-0.5875232	0.51693961	condition[T.KO]	6.8143E-13	Wdfy1	0.40289608	0.70353303	2.0172E-08
-1.4424553	0.68282701	condition[T.KO]	6.863E-13	Nfix	0.1890971	0.44162826	2.0316E-08
-0.5784187	0.51546464	condition[T.KO]	6.9103E-13	Vps72	0.42248722	0.70199693	2.0455E-08
-1.6766564	0.7436054	condition[T.KO]	7.1872E-13	Zfp84	0.1746167	0.39631336	2.1274E-08
-0.9923552	0.58459356	condition[T.KO]	7.1883E-13	Rnf213	0.29897785	0.56989247	2.1277E-08
-1.1210992	0.60986471	condition[T.KO]	7.2822E-13	Ppat	0.2802385	0.53379416	2.1554E-08
-1.5314592	0.70440392	condition[T.KO]	7.3407E-13	Vps51	0.20102215	0.42703533	2.1726E-08
-1.0852646	0.60248235	condition[T.KO]	7.361E-13	Lactb2	0.2802385	0.55069124	2.1786E-08
-0.4478748	0.4964061	condition[T.KO]	7.4186E-13	Erc1	0.45059625	0.75192012	2.1955E-08
-1.0185165	0.58924042	condition[T.KO]	7.4378E-13	Crcp	0.30408859	0.55760369	2.2011E-08
0.26946867	0.42010116	condition[T.KO]	7.4836E-13	Prx	0.58773424	0.84792627	2.2146E-08
-1.372209	0.66482346	condition[T.KO]	7.5071E-13	Syne2	0.21550256	0.46927803	2.2215E-08
-0.9229337	0.57114087	condition[T.KO]	7.5684E-13	Rab8a	0.33049404	0.59447005	2.2396E-08
0.17503984	0.42777105	condition[T.KO]	7.7244E-13	Sfr1	0.63202726	0.83947773	2.2856E-08
-1.2831616	0.64391029	condition[T.KO]	7.772E-13	Tec	0.2350937	0.47849462	2.2997E-08
-1.0629771	0.59721465	condition[T.KO]	7.947E-13	Nudt16	0.28194208	0.53917051	2.3514E-08
-1.6969626	0.74784761	condition[T.KO]	8.0149E-13	6720427I07R	0.16354344	0.40399386	2.3714E-08
0.15951118	0.42882043	condition[T.KO]	8.0279E-13	Shtn1	0.60732538	0.85483871	2.3751E-08
-2.0518574	0.85733384	condition[T.KO]	8.0718E-13	Scn9a	0.11499148	0.29953917	2.3881E-08
-1.5953339	0.71993593	condition[T.KO]	8.0728E-13	Ccdc77	0.18483816	0.42165899	2.3882E-08
-1.3270834	0.65344737	condition[T.KO]	8.0742E-13	Zfyve26	0.24446337	0.49308756	2.3886E-08

-1.0924088	0.60280969	condition[T.KO]	8.1508E-13	Gm21972	0.28620102	0.53763441	2.4112E-08
-0.6140637	0.51919093	condition[T.KO]	8.1623E-13	Nolc1	0.40800681	0.65053763	2.4145E-08
-0.8967083	0.56555623	condition[T.KO]	8.2187E-13	Nras	0.33560477	0.62826421	2.4311E-08
-0.3681923	0.48485037	condition[T.KO]	8.3772E-13	Kif13a	0.48040886	0.77112135	2.4779E-08
-1.4424732	0.68040029	condition[T.KO]	8.3807E-13	Lmf1	0.21124361	0.46236559	2.4788E-08
-0.1413602	0.45795543	condition[T.KO]	8.4447E-13	Sgms1	0.53833049	0.81182796	2.4977E-08
0.22635398	0.42263311	condition[T.KO]	8.512E-13	Ankrd11	0.6286201	0.86175115	2.5175E-08
-1.2526864	0.63605932	condition[T.KO]	8.531E-13	Fyco1	0.24701874	0.50768049	2.5231E-08
-0.2868033	0.4745751	condition[T.KO]	8.5363E-13	Os9	0.5229983	0.78648233	2.5245E-08
-0.1599397	0.45987808	condition[T.KO]	8.5637E-13	Tcea1	0.55536627	0.78033794	2.5325E-08
-0.6353988	0.5219123	condition[T.KO]	8.6041E-13	Capza1	0.41311755	0.68817204	2.5444E-08
-1.6659752	0.73819416	condition[T.KO]	8.6551E-13	Acot8	0.1746167	0.40399386	2.5594E-08
-0.2583209	0.47102459	condition[T.KO]	8.6785E-13	Csmd2	0.50170358	0.73732719	2.5662E-08
-1.1077583	0.60494698	condition[T.KO]	8.9004E-13	Trp53	0.27683135	0.54761905	2.6317E-08
-0.2961536	0.47524603	condition[T.KO]	8.997E-13	Apoe	0.40374787	0.73732719	2.6602E-08
-1.879959	0.80019284	condition[T.KO]	9.0065E-13	Rps27rt	0.1439523	0.35867896	2.663E-08
-1.068748	0.59668748	condition[T.KO]	9.2731E-13	Jakmip3	0.28705281	0.55453149	2.7417E-08
-1.3256614	0.65132071	condition[T.KO]	9.4117E-13	Rela	0.24446337	0.49462366	2.7826E-08
-1.4480972	0.68032967	condition[T.KO]	9.436E-13	Tyw1	0.20698467	0.46082949	2.7897E-08
0.25147241	0.41966077	condition[T.KO]	9.5395E-13	Btg1	0.63969336	0.8609831	2.8202E-08
-0.7046064	0.53164856	condition[T.KO]	9.5547E-13	ENSMUSG000	0.3867121	0.66743472	2.8246E-08
-0.980376	0.57932267	condition[T.KO]	9.5601E-13	Orc2	0.31175468	0.58294931	2.8261E-08
-0.4641567	0.49628686	condition[T.KO]	9.5694E-13	Sec11a	0.44974446	0.76267281	2.8287E-08
-0.8367667	0.55340992	condition[T.KO]	9.6364E-13	Zmpste24	0.35519591	0.6328725	2.8484E-08
-1.2551212	0.63518076	condition[T.KO]	9.6498E-13	Yjefn3	0.24361158	0.48156682	2.8523E-08
-0.5870099	0.51354444	condition[T.KO]	9.6893E-13	Anks1	0.42504259	0.71428571	2.8639E-08
-1.5134349	0.69615371	condition[T.KO]	9.8139E-13	Ogfod3	0.20017036	0.44854071	2.9006E-08
-0.3992633	0.48742084	condition[T.KO]	9.8266E-13	Uvrug	0.46848382	0.75806452	2.9043E-08
-0.4093494	0.48865052	condition[T.KO]	9.9206E-13	Lrrfip1	0.46252129	0.71428571	2.9319E-08
-1.6589081	0.73428914	condition[T.KO]	1.0042E-12	Aacs	0.17887564	0.40322581	2.9679E-08
-1.3759321	0.66213787	condition[T.KO]	1.012E-12	Slc30a6	0.22146508	0.47388633	2.9908E-08
-1.6536177	0.73267075	condition[T.KO]	1.0172E-12	Hes1	0.1669506	0.30875576	3.0058E-08

-0.7435488	0.53712987	condition[T.KO]	1.033E-12	Mta3	0.36882453	0.65437788	3.0526E-08
-0.4889088	0.49884599	condition[T.KO]	1.047E-12	Ampd3	0.4471891	0.70276498	3.0937E-08
-1.0038042	0.58275812	condition[T.KO]	1.0496E-12	Med22	0.30408859	0.56221198	3.1013E-08
-2.753547	1.13545379	condition[T.KO]	1.0538E-12	Plekhh1	0.05962521	0.21121352	3.1137E-08
-0.9206752	0.56720279	condition[T.KO]	1.0637E-12	Fahd2a	0.3253833	0.58141321	3.1427E-08
-1.1506196	0.61161491	condition[T.KO]	1.0773E-12	Exosc1	0.27597956	0.53072197	3.1829E-08
-1.9402197	0.816326	condition[T.KO]	1.0888E-12	Rab26os	0.13202726	0.33640553	3.2168E-08
-1.5256246	0.69791107	condition[T.KO]	1.0924E-12	Nxn	0.1890971	0.42089094	3.2272E-08
0.0237423	0.4387372	condition[T.KO]	1.1053E-12	Camk4	0.5911414	0.81950845	3.2654E-08
-1.2720934	0.6372246	condition[T.KO]	1.1187E-12	Pls1	0.22487223	0.43164363	3.3046E-08
-2.4953703	1.019069	condition[T.KO]	1.1217E-12	6430590A07f	0.07921635	0.25345622	3.3136E-08
-0.4062074	0.4871132	condition[T.KO]	1.1235E-12	Glod4	0.47870528	0.74193548	3.3186E-08
-2.8099048	1.16096161	condition[T.KO]	1.1409E-12	Zfp146	0.05877342	0.21582181	3.37E-08
-0.2762594	0.47073882	condition[T.KO]	1.144E-12	Adipor2	0.51107325	0.79339478	3.3789E-08
0.05191737	0.43562064	condition[T.KO]	1.164E-12	Snu13	0.59965928	0.8172043	3.4379E-08
-0.5035929	0.49989261	condition[T.KO]	1.1644E-12	Fuca1	0.44548552	0.74961598	3.4391E-08
-0.5299266	0.50356548	condition[T.KO]	1.1666E-12	Inpp1	0.4318569	0.69201229	3.4453E-08
-0.4813906	0.49680319	condition[T.KO]	1.1678E-12	Myrip	0.43781942	0.71505376	3.449E-08
-1.5898195	0.71369696	condition[T.KO]	1.1701E-12	Tmprss5	0.18398637	0.42703533	3.4555E-08
-0.3669051	0.48166704	condition[T.KO]	1.1734E-12	Epc1	0.48551959	0.77419355	3.4652E-08
-2.0286667	0.84388178	condition[T.KO]	1.1762E-12	Rpp38	0.12521295	0.32411674	3.4734E-08
0.29365295	0.41447008	condition[T.KO]	1.2002E-12	Mtss1	0.65758092	0.85637481	3.5442E-08
-0.2581926	0.46794902	condition[T.KO]	1.2317E-12	Phf3	0.5076661	0.77956989	3.6369E-08
-1.7904168	0.76875886	condition[T.KO]	1.2399E-12	Garin5a	0.1592845	0.37557604	3.6612E-08
-2.0671108	0.85593695	condition[T.KO]	1.2408E-12	Gdf11	0.12010221	0.31182796	3.6637E-08
-0.7867215	0.54238156	condition[T.KO]	1.2425E-12	Tmem42	0.36115843	0.6359447	3.6685E-08
-0.9847408	0.5773582	condition[T.KO]	1.2432E-12	Dusp6	0.27427598	0.55683564	3.6703E-08
-1.3082082	0.64406326	condition[T.KO]	1.2445E-12	Adprs	0.24020443	0.48694316	3.6743E-08
-0.0924716	0.44911431	condition[T.KO]	1.2935E-12	Serpib6a	0.56643952	0.79723502	3.8186E-08
-0.0254272	0.44221435	condition[T.KO]	1.3006E-12	Nsfl1c	0.57325383	0.79646697	3.8395E-08
-0.5683496	0.50801214	condition[T.KO]	1.3038E-12	Qsox1	0.42844974	0.71735791	3.8487E-08
-1.5762047	0.70871932	condition[T.KO]	1.3044E-12	Gm38157	0.18654174	0.42242704	3.8505E-08

-0.5561928	0.50624717	condition[T.KO]	1.3056E-12	Sil1	0.42844974	0.71505376	3.854E-08
0.13578567	0.42693897	condition[T.KO]	1.3165E-12	Golga4	0.61243612	0.84792627	3.8861E-08
-1.6420475	0.72608602	condition[T.KO]	1.3203E-12	Psme1	0.16950596	0.39247312	3.897E-08
-3.434614	1.5121553	condition[T.KO]	1.3262E-12	Samd11	0.02981261	0.15130568	3.9143E-08
-0.0065813	0.4401615	condition[T.KO]	1.3299E-12	Phpt1	0.57325383	0.79723502	3.9249E-08
0.18479617	0.42250808	condition[T.KO]	1.3439E-12	Olfm1	0.62436116	0.84562212	3.9663E-08
-0.6355175	0.51747211	condition[T.KO]	1.3685E-12	Panx1	0.4011925	0.67665131	4.0388E-08
-0.8857533	0.55824574	condition[T.KO]	1.3828E-12	Spg21	0.34156729	0.61443932	4.0807E-08
-2.1581307	0.88565191	condition[T.KO]	1.3855E-12	Frmd8	0.10988075	0.30721966	4.0887E-08
-0.5254846	0.50123257	condition[T.KO]	1.3997E-12	Calu	0.43441227	0.74961598	4.1302E-08
-0.2887809	0.4704335	condition[T.KO]	1.4032E-12	Hipk2	0.50255537	0.78417819	4.1407E-08
-0.4675324	0.49320412	condition[T.KO]	1.4056E-12	Cacna1c	0.42589438	0.68049155	4.1475E-08
-0.2555657	0.46647816	condition[T.KO]	1.406E-12	Ddx50	0.51362862	0.78801843	4.1485E-08
-0.3644065	0.47946808	condition[T.KO]	1.4463E-12	Pacs1	0.47955707	0.75499232	4.2672E-08
-0.6042861	0.51224583	condition[T.KO]	1.451E-12	ENSMUSG000	0.40971039	0.68202765	4.2811E-08
-0.7674243	0.53725232	condition[T.KO]	1.5086E-12	Slc20a2	0.37052811	0.64976959	4.4508E-08
0.42415047	0.40286227	condition[T.KO]	1.5211E-12	Plxna4	0.64650767	0.87173579	4.4876E-08
-0.8002219	0.54243344	condition[T.KO]	1.5451E-12	Rab40c	0.36882453	0.65360983	4.5582E-08
-2.573626	1.04646093	condition[T.KO]	1.546E-12	Eef2kmt	0.07410562	0.24423963	4.5606E-08
-0.6063676	0.51190607	condition[T.KO]	1.5523E-12	Nr3c1	0.3867121	0.67050691	4.5792E-08
-0.2026256	0.45942287	condition[T.KO]	1.5705E-12	Naxd	0.54429302	0.79877112	4.6327E-08
-0.7177229	0.52883593	condition[T.KO]	1.5718E-12	Sf3a3	0.3713799	0.66513057	4.6364E-08
-1.5340879	0.69536787	condition[T.KO]	1.583E-12	Cmtm6	0.19420784	0.43548387	4.6691E-08
-0.5758158	0.50723249	condition[T.KO]	1.5857E-12	Tnks1bp1	0.41311755	0.67895545	4.6771E-08
-0.2257579	0.46195636	condition[T.KO]	1.5879E-12	Irf2bpl	0.5153322	0.7749616	4.6834E-08
-0.6434908	0.5171766	condition[T.KO]	1.598E-12	Srebf1	0.40034072	0.69047619	4.713E-08
-1.0490333	0.58682625	condition[T.KO]	1.6105E-12	Sord	0.29131175	0.52841782	4.7498E-08
-2.3338682	0.94748659	condition[T.KO]	1.6526E-12	9630002D21f	0.07751278	0.20967742	4.8736E-08
-0.1726878	0.45562736	condition[T.KO]	1.6552E-12	Lgr4	0.53321976	0.80261137	4.8811E-08
-0.2637555	0.46594361	condition[T.KO]	1.6661E-12	Zrsr2	0.5	0.74500768	4.9131E-08
-0.5377115	0.5011941	condition[T.KO]	1.6874E-12	Slc39a10	0.43611584	0.72196621	4.9758E-08
-2.9924354	1.24524767	condition[T.KO]	1.6882E-12	Angptl4	0.04770017	0.1827957	4.978E-08

-3.7267183	1.70988522	condition[T.KO]	1.7437E-12	Tspan18	0.0229983	0.14592934	5.1416E-08
-0.7743047	0.53673959	condition[T.KO]	1.7759E-12	lvd	0.36115843	0.64208909	5.2363E-08
-1.3238093	0.64331749	condition[T.KO]	1.7861E-12	Vat1	0.23253833	0.47695853	5.266E-08
0.01644784	0.4353769	condition[T.KO]	1.8049E-12	Rtf1	0.59454855	0.82104455	5.3213E-08
-1.431302	0.66824779	condition[T.KO]	1.8094E-12	Nrg4	0.2044293	0.42396313	5.3345E-08
-1.1924618	0.61447245	condition[T.KO]	1.8127E-12	ltpk1	0.26575809	0.53072197	5.344E-08
-2.5464475	1.03169458	condition[T.KO]	1.8258E-12	Gm44559	0.07240204	0.2265745	5.3825E-08
-1.1943782	0.61478367	condition[T.KO]	1.8273E-12	Pcbd1	0.24872232	0.4577573	5.3868E-08
-1.1001016	0.59541545	condition[T.KO]	1.8371E-12	Zfp580	0.28620102	0.52380952	5.4153E-08
-0.2307521	0.46119818	condition[T.KO]	1.8481E-12	Mfap3l	0.51618399	0.79262673	5.4476E-08
-1.6282591	0.71786037	condition[T.KO]	1.8593E-12	Gm10684	0.17376491	0.36943164	5.4806E-08
-0.5305886	0.49925904	condition[T.KO]	1.8625E-12	Prrg3	0.42078365	0.67357911	5.4897E-08
-1.3484591	0.64840442	condition[T.KO]	1.8674E-12	lft122	0.22998296	0.48463902	5.5041E-08
-0.6796085	0.52112941	condition[T.KO]	1.8758E-12	Spry2	0.38074957	0.62058372	5.5286E-08
-0.2201347	0.45982812	condition[T.KO]	1.8815E-12	Emc3	0.52725724	0.80184332	5.545E-08
-3.8209152	1.77974673	condition[T.KO]	1.9E-12	Pkd1l2	0.02129472	0.14823349	5.5996E-08
0.38123271	0.40419961	condition[T.KO]	1.9064E-12	Emc7	0.67717206	0.87941628	5.6181E-08
-0.5220549	0.49771537	condition[T.KO]	1.9329E-12	Lrrc8d	0.43696763	0.72427035	5.6961E-08
-1.9383551	0.80728201	condition[T.KO]	1.9367E-12	Gm7467	0.13798978	0.34331797	5.7072E-08
-1.1302015	0.60081605	condition[T.KO]	1.9467E-12	Simc1	0.27342419	0.53225806	5.7364E-08
-0.2714666	0.46544569	condition[T.KO]	1.9525E-12	Gpr155	0.49829642	0.77265745	5.7533E-08
-1.1062027	0.59595263	condition[T.KO]	1.953E-12	Plod2	0.26831346	0.5422427	5.7544E-08
-0.2709722	0.46534103	condition[T.KO]	1.9628E-12	Brd9	0.52044293	0.7764977	5.7831E-08
-2.500542	1.01094574	condition[T.KO]	1.9746E-12	Cacna2d2	0.0758092	0.23963134	5.8177E-08
-1.0976346	0.59409298	condition[T.KO]	1.9799E-12	Stat1	0.28364566	0.53302611	5.8333E-08
-0.5831815	0.50615107	condition[T.KO]	1.9854E-12	lp6k2	0.42248722	0.71274962	5.8492E-08
-2.2725586	0.92118506	condition[T.KO]	1.99E-12	Gm11508	0.09625213	0.2749616	5.8627E-08
-1.0064274	0.57633182	condition[T.KO]	2.0008E-12	Gipc1	0.30579216	0.58141321	5.894E-08
-1.1176261	0.59793498	condition[T.KO]	2.0074E-12	Inpp5a	0.2802385	0.55145929	5.9133E-08
-0.5218806	0.49720867	condition[T.KO]	2.0343E-12	Pex2	0.44804089	0.74423963	5.9923E-08
-0.7836575	0.53682493	condition[T.KO]	2.05E-12	Cfap298	0.35945486	0.62058372	6.0384E-08
-0.8906173	0.55500041	condition[T.KO]	2.0513E-12	Ncapd3	0.32623509	0.61213518	6.0421E-08

-0.6583817	0.51695872	condition[T.KO]	2.0601E-12	Myg1	0.39863714	0.64976959	6.0679E-08
-1.5475881	0.69537159	condition[T.KO]	2.0709E-12	Tcf7l2	0.18654174	0.406298	6.0993E-08
-0.526735	-0.5767693	condition[T.KO]	2.0937E-12	Tmem196	0.4011925	0.32642089	6.1663E-08
-0.3779476	0.4777698	condition[T.KO]	2.1061E-12	Rab5c	0.48637138	0.7688172	6.2027E-08
0.26210886	0.41248754	condition[T.KO]	2.1153E-12	Psmd7	0.64991482	0.8609831	6.2295E-08
-0.9096754	0.55799811	condition[T.KO]	2.1245E-12	1110017D15f	0.30749574	0.55683564	6.2563E-08
-2.0830948	0.85276129	condition[T.KO]	2.159E-12	Gm44899	0.11669506	0.31105991	6.3579E-08
-1.1943836	0.61280853	condition[T.KO]	2.1716E-12	Ptbp1	0.25894378	0.52457757	6.3947E-08
-1.5447693	0.69396269	condition[T.KO]	2.1848E-12	Nlgn3	0.19591141	0.43471582	6.4334E-08
-0.1122639	0.44668497	condition[T.KO]	2.1941E-12	Ddhd2	0.55706985	0.79723502	6.4605E-08
-0.8604506	0.54902926	condition[T.KO]	2.1993E-12	Dnttip2	0.34241908	0.59831029	6.4757E-08
-0.1545838	0.45103274	condition[T.KO]	2.2382E-12	Cic	0.55621806	0.79185868	6.5899E-08
-0.5025052	0.49358595	condition[T.KO]	2.2484E-12	Syngn3	0.45400341	0.73195084	6.6196E-08
-0.3500668	0.47365334	condition[T.KO]	2.2557E-12	Ppp1r14b	0.4770017	0.74577573	6.641E-08
-1.171503	0.60758798	condition[T.KO]	2.2594E-12	Clk2	0.27001704	0.52534562	6.6516E-08
0.27834974	0.41050372	condition[T.KO]	2.3077E-12	Cttnbp2	0.64310051	0.84946237	6.7935E-08
-0.7714633	0.53357503	condition[T.KO]	2.3202E-12	Cers5	0.36541738	0.66513057	6.8301E-08
0.2385069	0.41363255	condition[T.KO]	2.3251E-12	Nceh1	0.64735945	0.86789555	6.8443E-08
-1.6116644	0.71049638	condition[T.KO]	2.3262E-12	Atrip	0.18398637	0.39938556	6.8473E-08
-0.7694177	0.5330804	condition[T.KO]	2.3575E-12	Nipal3	0.36456559	0.65360983	6.9394E-08
-1.1029	0.59317356	condition[T.KO]	2.3621E-12	2700062C07F	0.28705281	0.54608295	6.9527E-08
-1.5098371	0.6841468	condition[T.KO]	2.3626E-12	Rom1	0.1967632	0.42473118	6.9539E-08
-0.4457645	0.48534172	condition[T.KO]	2.3982E-12	Prkdc	0.46081772	0.73809524	7.0582E-08
-0.5612034	0.50115498	condition[T.KO]	2.4051E-12	Ccdc90b	0.42333901	0.70583717	7.0785E-08
0.02033585	0.43259872	condition[T.KO]	2.4071E-12	Rock1	0.57410562	0.84485407	7.084E-08
-1.8204856	0.76809466	condition[T.KO]	2.439E-12	Catspere2	0.15076661	0.35637481	7.1777E-08
-1.9427456	0.80522574	condition[T.KO]	2.442E-12	Denn2b	0.13032368	0.33026114	7.1864E-08
0.03757769	0.4307911	condition[T.KO]	2.457E-12	Gm13889	0.58006814	0.80952381	7.2301E-08
-0.8691231	0.54931085	condition[T.KO]	2.4718E-12	Cdc42se1	0.33475298	0.61443932	7.2734E-08
-0.8156974	0.54009939	condition[T.KO]	2.5034E-12	Jmjd6	0.36541738	0.64285714	7.3662E-08
-0.6622201	0.5153254	condition[T.KO]	2.5818E-12	Polr2a	0.38926746	0.6781874	7.5966E-08
-1.0105901	0.57428251	condition[T.KO]	2.598E-12	Gys1	0.30579216	0.56528418	7.6442E-08

-0.8489679	0.54528192	condition[T.KO]	2.611E-12	Pard3b	0.33219761	0.57987711	7.682E-08
-1.9943053	0.82039478	condition[T.KO]	2.6449E-12	Matk	0.12606474	0.32104455	7.7816E-08
-0.2215634	0.45698455	condition[T.KO]	2.6472E-12	Chd8	0.53833049	0.80261137	7.7882E-08
-0.3218244	0.46866477	condition[T.KO]	2.6693E-12	Mblac2	0.48637138	0.75345622	7.8527E-08
-0.04612	0.4381712	condition[T.KO]	2.6853E-12	Soga3	0.57069847	0.79646697	7.8995E-08
-1.7894669	0.75761528	condition[T.KO]	2.6983E-12	Gm45051	0.15502555	0.3609831	7.9376E-08
-1.4624477	0.67078645	condition[T.KO]	2.6999E-12	Smco3	0.19591141	0.42549923	7.9421E-08
-0.496318	0.49093852	condition[T.KO]	2.7217E-12	Pde6d	0.44378194	0.72043011	8.0057E-08
-0.6791318	0.51733778	condition[T.KO]	2.7344E-12	Tbl1x	0.39011925	0.65668203	8.043E-08
-1.2777224	0.62791044	condition[T.KO]	2.7536E-12	Gemin5	0.23850085	0.49308756	8.0993E-08
-0.9173081	0.55653987	condition[T.KO]	2.7734E-12	Mphosph9	0.32964225	0.58218126	8.157E-08
-0.5591841	0.4994839	condition[T.KO]	2.7787E-12	Ebna1bp2	0.43270869	0.70122888	8.1723E-08
0.42939847	0.3977357	condition[T.KO]	2.8071E-12	Gng5	0.63543441	0.87634409	8.2558E-08
-1.0637056	0.58355364	condition[T.KO]	2.8102E-12	Ebpl	0.28449744	0.55606759	8.2645E-08
-1.9110769	0.79317717	condition[T.KO]	2.836E-12	Fbxo36	0.13884157	0.34485407	8.34E-08
-0.8942905	0.55220898	condition[T.KO]	2.8462E-12	Tmem38b	0.33730835	0.61059908	8.3699E-08
-0.6044795	0.50569761	condition[T.KO]	2.8685E-12	Zfp637	0.40971039	0.6812596	8.435E-08
-1.1994589	0.61065484	condition[T.KO]	2.8717E-12	Gpr19	0.26575809	0.51766513	8.4443E-08
-0.1422636	0.447527	condition[T.KO]	2.8765E-12	Macroh2a1	0.55877342	0.81490015	8.4581E-08
0.29046904	0.4077591	condition[T.KO]	2.8896E-12	Spcs2	0.6669506	0.86943164	8.4962E-08
-2.8599096	1.16595057	condition[T.KO]	2.8945E-12	Gm44758	0.05366269	0.20506912	8.5104E-08
-0.1077576	0.44376428	condition[T.KO]	2.9155E-12	H13	0.5758092	0.83026114	8.5719E-08
-0.7630256	0.52986057	condition[T.KO]	2.9245E-12	Rybp	0.3713799	0.63517665	8.598E-08
-0.1260811	0.44559521	condition[T.KO]	2.9472E-12	Adh5	0.5681431	0.80107527	8.6646E-08
-0.2946037	0.46442425	condition[T.KO]	2.9729E-12	Lars	0.51107325	0.77265745	8.7398E-08
-1.3472215	0.64248524	condition[T.KO]	2.9786E-12	Gm20642	0.21805792	0.46082949	8.7561E-08
-0.7800026	0.53241974	condition[T.KO]	2.9809E-12	Eftud2	0.36882453	0.64362519	8.7627E-08
-0.394378	0.47650447	condition[T.KO]	3.0342E-12	Specc1l	0.47274276	0.74654378	8.9191E-08
-1.1471286	0.59911952	condition[T.KO]	3.0649E-12	Fam234a	0.27172061	0.52611367	9.0091E-08
-0.3810447	0.47471428	condition[T.KO]	3.0684E-12	Cggbp1	0.47359455	0.73886329	9.019E-08
0.02199074	0.43037339	condition[T.KO]	3.0793E-12	Ubr2	0.60136286	0.84639017	9.0508E-08
-0.8624902	0.54582208	condition[T.KO]	3.0951E-12	Slf2	0.3407155	0.61674347	9.0968E-08

-2.0355343	0.83125042	condition[T.KO]	3.1172E-12	Jup	0.120954	0.29416283	9.1616E-08
-2.7151063	1.09574411	condition[T.KO]	3.1204E-12	Tmem97	0.06388416	0.2250384	9.1706E-08
-0.5757366	0.5007182	condition[T.KO]	3.1229E-12	2510009E07F	0.41567291	0.6843318	9.1777E-08
-1.4302434	0.6611161	condition[T.KO]	3.1494E-12	Nufip1	0.21465077	0.4546851	9.2551E-08
-1.3148953	0.63445336	condition[T.KO]	3.1691E-12	Clcn2	0.23679727	0.49539171	9.3128E-08
-1.6339134	0.71219311	condition[T.KO]	3.1894E-12	Zfp809	0.17802385	0.40399386	9.3721E-08
-2.8465063	1.15721812	condition[T.KO]	3.2058E-12	Trp53i13	0.05706985	0.21274962	9.4201E-08
-1.0076895	0.57138742	condition[T.KO]	3.2237E-12	Clpb	0.31260647	0.57296467	9.4721E-08
-0.7763321	0.53077082	condition[T.KO]	3.3044E-12	Hhip	0.32879046	0.61981567	9.709E-08
-1.6585703	0.71829569	condition[T.KO]	3.3071E-12	Slc12a4	0.17376491	0.40399386	9.7167E-08
-2.3654966	0.94753374	condition[T.KO]	3.3277E-12	Srd5a1	0.08773424	0.2749616	9.7769E-08
-1.3598877	0.64399358	condition[T.KO]	3.3363E-12	Mapkbp1	0.22316865	0.47235023	9.8016E-08
-1.1110273	0.5908245	condition[T.KO]	3.3625E-12	Polr3gl	0.27853492	0.53763441	9.8784E-08
-3.6016752	1.59904605	condition[T.KO]	3.3887E-12	Gm56430	0.02725724	0.16205837	9.9549E-08
0.46658958	0.39369529	condition[T.KO]	3.3949E-12	Tmed10	0.6746167	0.88248848	9.973E-08
-0.7856167	0.53188535	condition[T.KO]	3.4351E-12	Sigmar1	0.37649063	0.64439324	1.0091E-07
-1.7235981	-1.0488336	condition[T.KO]	3.4391E-12	Gm3294	0.15843271	0.06374808	1.0102E-07
-1.3232698	0.63501298	condition[T.KO]	3.5336E-12	Mtmt11	0.22402044	0.46543779	1.0379E-07
-1.1303499	0.59410492	condition[T.KO]	3.5373E-12	Usp36	0.27342419	0.53609831	1.039E-07
-0.8432044	0.54114141	condition[T.KO]	3.5388E-12	Fbn1	0.32879046	0.60368664	1.0394E-07
0.07313512	0.42443666	condition[T.KO]	3.5426E-12	Car12	0.58262351	0.79723502	1.0404E-07
0.24256099	0.4098808	condition[T.KO]	3.5551E-12	Rabggtb	0.63202726	0.84024578	1.0441E-07
-0.5390709	0.49423357	condition[T.KO]	3.5759E-12	Tnrc18	0.42589438	0.72580645	1.0502E-07
-0.4905669	0.48752566	condition[T.KO]	3.5949E-12	Naa35	0.45059625	0.73271889	1.0557E-07
-1.9425438	0.79923152	condition[T.KO]	3.6337E-12	Isyna1	0.13117547	0.30798771	1.0671E-07
-1.3752078	0.64641431	condition[T.KO]	3.6479E-12	Srbd1	0.22231687	0.47311828	1.0712E-07
-1.1953729	0.6069369	condition[T.KO]	3.678E-12	Alg14	0.26831346	0.51612903	1.08E-07
-0.2577306	0.45813937	condition[T.KO]	3.6999E-12	Imp3	0.52470187	0.77265745	1.0864E-07
-2.3260935	0.93064351	condition[T.KO]	3.7035E-12	Tm7sf2	0.09454855	0.27112135	1.0874E-07
-0.6247909	0.50616663	condition[T.KO]	3.7086E-12	Tbc1d15	0.41567291	0.68970814	1.0889E-07
-2.3811027	0.95162289	condition[T.KO]	3.7153E-12	Smim3	0.08773424	0.24193548	1.0908E-07
-1.9604349	0.80448896	condition[T.KO]	3.7159E-12	Vps37d	0.1362862	0.33717358	1.0909E-07

-2.3698911	0.94714335	condition[T.KO]	3.7463E-12	A430033K04F	0.0911414	0.26420891	1.0998E-07
-1.7771455	0.74944472	condition[T.KO]	3.7464E-12	Mtmr10	0.15332198	0.36328725	1.0998E-07
-1.5463222	0.6872682	condition[T.KO]	3.7764E-12	Als2	0.19080068	0.42626728	1.1086E-07
-1.0557769	0.57854542	condition[T.KO]	3.8456E-12	Zfr2	0.29642249	0.55529954	1.1289E-07
-2.0737477	0.84054627	condition[T.KO]	3.8532E-12	Mvp	0.12180579	0.31643625	1.1311E-07
0.07561727	0.42348595	condition[T.KO]	3.8633E-12	Dock7	0.60477002	0.85253456	1.134E-07
-2.0814486	0.84304856	condition[T.KO]	3.8685E-12	Serac1	0.120954	0.30721966	1.1355E-07
-1.7322293	0.73626414	condition[T.KO]	3.8837E-12	Fbxl12	0.15843271	0.38940092	1.1399E-07
-0.1614893	0.44696203	condition[T.KO]	3.8863E-12	Plxna1	0.55110733	0.79416283	1.1406E-07
-1.4469569	0.66244827	condition[T.KO]	3.8918E-12	Pcnt	0.21039182	0.45084485	1.1422E-07
-1.6943828	0.72568455	condition[T.KO]	3.9212E-12	Zfp646	0.17120954	0.39093702	1.1508E-07
-1.2996515	0.62850899	condition[T.KO]	3.9228E-12	Cpq	0.2274276	0.47849462	1.1512E-07
-1.1575683	0.59829301	condition[T.KO]	3.9661E-12	Ftx	0.26660988	0.51459293	1.1639E-07
-0.1887402	0.44970794	condition[T.KO]	3.9849E-12	Cnih4	0.54173765	0.81336406	1.1694E-07
-0.8784664	0.54587566	condition[T.KO]	3.9991E-12	Rgs11	0.33560477	0.59907834	1.1735E-07
-1.1833845	0.60347437	condition[T.KO]	4.0022E-12	Gmeb1	0.26405451	0.51459293	1.1744E-07
-1.3197208	0.63270645	condition[T.KO]	4.0052E-12	AV356131	0.23679727	0.47388633	1.1752E-07
-0.838409	0.53898931	condition[T.KO]	4.0255E-12	Usp40	0.35519591	0.62135177	1.1811E-07
-0.9034888	0.55013079	condition[T.KO]	4.0326E-12	Smn1	0.3330494	0.59447005	1.1832E-07
-1.597751	0.69931768	condition[T.KO]	4.1107E-12	Uap1l1	0.18824532	0.41705069	1.206E-07
-0.1428207	0.44445097	condition[T.KO]	4.1198E-12	Grik4	0.51277683	0.77265745	1.2087E-07
-0.264499	0.45792327	condition[T.KO]	4.1347E-12	Supt6	0.51873935	0.76804916	1.213E-07
-3.6016752	1.59314839	condition[T.KO]	4.1371E-12	Rpl10-ps3	0.02725724	0.15745008	1.2137E-07
-2.7105922	1.08790099	condition[T.KO]	4.156E-12	Prss12	0.060477	0.22734255	1.2192E-07
-2.0494233	0.83125354	condition[T.KO]	4.176E-12	Ntn4	0.11499148	0.30261137	1.225E-07
0.6946685	0.37802206	condition[T.KO]	4.178E-12	Jund	0.69250426	0.88018433	1.2255E-07
-0.4797147	0.48463735	condition[T.KO]	4.1799E-12	Snrpa	0.44804089	0.72887865	1.226E-07
-3.0221576	1.24018288	condition[T.KO]	4.2194E-12	Lhpp	0.04855196	0.19815668	1.2375E-07
-0.5522889	0.49448854	condition[T.KO]	4.2193E-12	Slc7a2	0.41396934	0.68663594	1.2375E-07
-0.2915056	0.4608351	condition[T.KO]	4.247E-12	Fzd3	0.48211244	0.78110599	1.2456E-07
-1.9840273	0.80989767	condition[T.KO]	4.2492E-12	Bok	0.12350937	0.32488479	1.2462E-07
-0.3370198	0.4662321	condition[T.KO]	4.2705E-12	Wdr70	0.4923339	0.75652842	1.2524E-07

-1.0865802	0.58328257	condition[T.KO]	4.2867E-12	Sox5	0.27512777	0.52457757	1.2571E-07
-0.0001115	0.42963714	condition[T.KO]	4.3104E-12	Prmt1	0.58773424	0.8202765	1.264E-07
-2.2972452	0.91705573	condition[T.KO]	4.3551E-12	1700096K18F	0.0988075	0.2749616	1.2771E-07
-1.3402061	0.63611032	condition[T.KO]	4.4148E-12	Klhl13	0.22316865	0.46543779	1.2946E-07
-0.88354	0.54555473	condition[T.KO]	4.4775E-12	Smim15	0.32964225	0.61597542	1.3129E-07
-2.2881708	0.91257898	condition[T.KO]	4.6489E-12	Eva1b	0.09369676	0.26113671	1.3631E-07
-3.3595971	1.43073676	condition[T.KO]	4.6522E-12	Traf3ip2	0.03236797	0.16973886	1.364E-07
-0.3699676	0.46947224	condition[T.KO]	4.6612E-12	Samd12	0.43781942	0.72196621	1.3666E-07
-1.4099935	0.65143626	condition[T.KO]	4.6638E-12	Slc12a9	0.22231687	0.47311828	1.3673E-07
-0.5620287	0.49488568	condition[T.KO]	4.6645E-12	5031425E22F	0.43015332	0.71812596	1.3675E-07
-1.4694332	0.66549905	condition[T.KO]	4.6843E-12	Ell	0.20698467	0.4516129	1.3732E-07
-0.4545454	0.48014226	condition[T.KO]	4.7247E-12	Gata3	0.43781942	0.69662058	1.385E-07
-0.6190966	0.50287383	condition[T.KO]	4.7605E-12	Irf2bp1	0.42248722	0.66359447	1.3955E-07
-0.8477341	0.53878914	condition[T.KO]	4.7668E-12	2810013P06F	0.34327087	0.61290323	1.3973E-07
-0.1562435	0.4445723	condition[T.KO]	4.7825E-12	N4bp2l2	0.53833049	0.81105991	1.4018E-07
-0.552216	0.49325937	condition[T.KO]	4.7857E-12	H2aw	0.42759796	0.69124424	1.4027E-07
-1.6777543	0.71835466	condition[T.KO]	4.8138E-12	Tor2a	0.17035775	0.40322581	1.4109E-07
-0.4524452	0.47967775	condition[T.KO]	4.8202E-12	Tmem38a	0.45996593	0.73579109	1.4127E-07
-0.5609927	0.49436184	condition[T.KO]	4.8497E-12	Bdh1	0.42930153	0.69431644	1.4213E-07
-0.553165	0.49321979	condition[T.KO]	4.8715E-12	Gm9866	0.43100511	0.66129032	1.4277E-07
-0.4818144	0.4833843	condition[T.KO]	4.9119E-12	Tsc1	0.45144804	0.73425499	1.4395E-07
-0.6643637	0.50918132	condition[T.KO]	4.9562E-12	Agpat1	0.38756388	0.67357911	1.4524E-07
-0.3143622	0.46208465	condition[T.KO]	4.9863E-12	Myorg	0.48040886	0.76267281	1.4612E-07
-1.2689603	0.61892539	condition[T.KO]	4.993E-12	Cr1l	0.24105622	0.49308756	1.4631E-07
-0.6182997	0.50227309	condition[T.KO]	5.0001E-12	Rab15	0.36967632	0.61597542	1.4651E-07
-1.6275346	0.70430692	condition[T.KO]	5.0603E-12	Sufu	0.17717206	0.41474654	1.4827E-07
-0.7978774	0.52988552	condition[T.KO]	5.0642E-12	1700123O20I	0.36030664	0.62596006	1.4838E-07
-0.9766925	0.56072911	condition[T.KO]	5.0683E-12	Ddx27	0.30664395	0.56298003	1.485E-07
-1.246625	0.6139535	condition[T.KO]	5.0711E-12	Tor1b	0.25553663	0.51152074	1.4857E-07
-0.4954717	0.48490455	condition[T.KO]	5.0749E-12	Ice1	0.44463373	0.71812596	1.4868E-07
-1.4192186	0.65252244	condition[T.KO]	5.0808E-12	Map2k3	0.21635434	0.45698925	1.4885E-07
-2.2484926	0.89654214	condition[T.KO]	5.0945E-12	Dsel	0.10306644	0.28494624	1.4924E-07

0.34457278	0.39911168	condition[T.KO]	5.0988E-12	Tkt	0.67035775	0.87557604	1.4936E-07
-2.4563016	0.9753723	condition[T.KO]	5.1404E-12	Spsb2	0.08177172	0.25729647	1.5058E-07
-1.9559566	0.79804627	condition[T.KO]	5.1849E-12	Itga7	0.13373083	0.33256528	1.5188E-07
-0.733823	0.51938777	condition[T.KO]	5.1865E-12	Sertad2	0.38841567	0.64746544	1.5192E-07
-0.7106881	0.51574815	condition[T.KO]	5.2055E-12	Tcta	0.38415673	0.64439324	1.5247E-07
-2.1900794	0.87535506	condition[T.KO]	5.2205E-12	Spsb1	0.10817717	0.2749616	1.529E-07
-3.5890185	1.5774566	condition[T.KO]	5.2255E-12	Best1	0.02810903	0.14823349	1.5304E-07
0.28886102	0.40310197	condition[T.KO]	5.236E-12	Pdap1	0.64224872	0.85176651	1.5335E-07
-1.4220275	0.65279637	condition[T.KO]	5.2388E-12	D630045J12R	0.21465077	0.4577573	1.5342E-07
0.4206576	0.39321091	condition[T.KO]	5.3922E-12	Stmn1	0.65843271	0.86866359	1.5791E-07
-2.8732537	1.15896109	condition[T.KO]	5.4227E-12	Nradd	0.05451448	0.20890937	1.588E-07
-1.6085977	0.698397	condition[T.KO]	5.4372E-12	Prss36	0.17632027	0.406298	1.5922E-07
-0.943879	0.55396809	condition[T.KO]	5.4807E-12	Ammecr1l	0.31601363	0.5952381	1.6049E-07
-2.6263455	1.04485996	condition[T.KO]	5.5167E-12	Shroom3	0.06643952	0.22043011	1.6153E-07
0.00730949	0.42681032	condition[T.KO]	5.5261E-12	Slc25a11	0.59710392	0.80491551	1.618E-07
-1.1790169	0.59853425	condition[T.KO]	5.6687E-12	Glmn	0.26235094	0.52227343	1.6597E-07
-0.4161522	0.47330663	condition[T.KO]	5.7608E-12	Rhbdl3	0.45911414	0.74039939	1.6866E-07
-1.7295494	0.72973368	condition[T.KO]	5.877E-12	B230307C23F	0.16269165	0.38325653	1.7206E-07
-1.2766387	0.61845112	condition[T.KO]	5.9641E-12	Gm39469	0.25042589	0.50384025	1.7461E-07
-0.7467616	0.51992646	condition[T.KO]	6.0039E-12	Myh9	0.36626917	0.63978495	1.7576E-07
-1.366126	0.63813016	condition[T.KO]	6.0321E-12	Mak16	0.2274276	0.45545315	1.7658E-07
0.05813599	0.42122023	condition[T.KO]	6.1101E-12	1110032F04F	0.57836457	0.80798771	1.7886E-07
-0.5030866	0.4841138	condition[T.KO]	6.1336E-12	Dhps	0.44548552	0.68663594	1.7954E-07
-0.632226	0.50222428	condition[T.KO]	6.1716E-12	Fbxw8	0.41141397	0.68894009	1.8065E-07
-0.8826603	0.54196758	condition[T.KO]	6.1854E-12	Clrn1	0.33645656	0.59600614	1.8105E-07
-1.7692506	0.7400337	condition[T.KO]	6.2113E-12	Gspt2	0.15843271	0.359447	1.818E-07
-0.465147	0.47878041	condition[T.KO]	6.3158E-12	Scap	0.46422487	0.74116743	1.8485E-07
-0.5122904	0.48483018	condition[T.KO]	6.4793E-12	Ppp4r2	0.44974446	0.70814132	1.8963E-07
-1.5704556	-0.9341859	condition[T.KO]	6.4805E-12	Gm13205	0.1592845	0.08678955	1.8966E-07
-0.5867988	0.49514899	condition[T.KO]	6.5001E-12	Zfp516	0.42078365	0.69431644	1.9023E-07
-0.5410284	0.48868316	condition[T.KO]	6.5327E-12	Mthfd2l	0.42930153	0.73271889	1.9117E-07
-0.6986827	0.51150406	condition[T.KO]	6.5958E-12	Ppil4	0.38926746	0.66205837	1.9301E-07

-1.5346642	0.67704756	condition[T.KO]	6.5962E-12	Hspg2	0.18228279	0.41858679	1.9302E-07
0.07681085	0.41885767	condition[T.KO]	6.6127E-12	Smc1a	0.60647359	0.83102919	1.9349E-07
0.15508763	0.41197878	condition[T.KO]	6.6405E-12	Hp1bp3	0.62180579	0.84254992	1.943E-07
-0.097989	0.43546313	condition[T.KO]	6.7417E-12	Lmo1	0.56388416	0.78264209	1.9726E-07
0.32618826	0.39805616	condition[T.KO]	6.8864E-12	Eif3c	0.65843271	0.85791091	2.0148E-07
-0.437112	0.47415091	condition[T.KO]	7.0016E-12	Zfp609	0.44974446	0.73963134	2.0485E-07
-0.0860279	0.43384028	condition[T.KO]	7.0627E-12	Smg6	0.56388416	0.82258065	2.0662E-07
0.18908645	0.40851293	condition[T.KO]	7.1525E-12	Rps6	0.62436116	0.8172043	2.0925E-07
-2.7973747	1.11666258	condition[T.KO]	7.163E-12	Cyria	0.05792164	0.20199693	2.0955E-07
-3.0436881	1.23910621	condition[T.KO]	7.2005E-12	Plekhd1	0.03662692	0.16052227	2.1064E-07
-0.9476196	0.55160176	condition[T.KO]	7.2434E-12	Cnpy3	0.32708688	0.60829493	2.1188E-07
-1.88546	0.77132927	condition[T.KO]	7.3353E-12	Rdh11	0.14224872	0.34869432	2.1457E-07
-1.117998	0.5831845	condition[T.KO]	7.4224E-12	E230016M11	0.27001704	0.52918587	2.1711E-07
-1.2729045	0.6149277	condition[T.KO]	7.4735E-12	Eloa	0.24957411	0.48387097	2.1859E-07
-0.6532688	0.50337525	condition[T.KO]	7.5006E-12	Afdn	0.40289608	0.66820276	2.1938E-07
-2.1862733	0.86799452	condition[T.KO]	7.5041E-12	4930549G23i	0.10562181	0.28571429	2.1947E-07
-2.4877364	0.98070754	condition[T.KO]	7.6115E-12	Ifi35	0.07921635	0.23041475	2.2261E-07
-0.3142416	0.45809039	condition[T.KO]	7.6903E-12	Ehmt1	0.49744463	0.76728111	2.249E-07
-0.489225	0.48005196	condition[T.KO]	7.7122E-12	Xrn1	0.44378194	0.72196621	2.2553E-07
-0.2574801	0.45146244	condition[T.KO]	7.7207E-12	Nipsnap1	0.5153322	0.74654378	2.2578E-07
-0.231252	0.44849867	condition[T.KO]	7.724E-12	Fam32a	0.51788756	0.7718894	2.2587E-07
-2.0642508	0.82637241	condition[T.KO]	7.736E-12	Zfp830	0.120954	0.30952381	2.2621E-07
-0.8021366	0.52609767	condition[T.KO]	7.7846E-12	Abl1	0.36201022	0.63824885	2.2762E-07
-3.7472712	1.67814154	condition[T.KO]	7.805E-12	Nr4a3	0.0229983	0.12365591	2.2821E-07
-0.0380755	0.42815698	condition[T.KO]	7.8488E-12	Ergic3	0.5911414	0.83102919	2.2948E-07
-1.8042325	0.74654517	condition[T.KO]	7.8799E-12	2310001H17i	0.14735945	0.33717358	2.3039E-07
-0.5126284	0.48291437	condition[T.KO]	7.9357E-12	Tmed3	0.44463373	0.72196621	2.3201E-07
0.18046028	0.4083504	condition[T.KO]	7.949E-12	Akap9	0.62180579	0.85560676	2.3239E-07
-2.189371	0.86808903	condition[T.KO]	7.9578E-12	Utp14b	0.10391823	0.27572965	2.3264E-07
-1.339668	0.62875196	condition[T.KO]	7.9591E-12	Gm4924	0.22998296	0.46236559	2.3267E-07
-0.0476799	0.42890936	condition[T.KO]	8.0198E-12	Nsa2	0.57495741	0.79953917	2.3444E-07
-1.7582773	0.73329639	condition[T.KO]	8.0294E-12	Bace2	0.15502555	0.35637481	2.3471E-07

-1.5141433	0.66938631	condition[T.KO]	8.0407E-12	Katnip	0.19505963	0.44009217	2.3503E-07
-0.2964951	0.45550939	condition[T.KO]	8.1134E-12	Eif2s3y	0.49829642	0.76420891	2.3715E-07
-0.6774548	0.5060884	condition[T.KO]	8.1949E-12	Arrb1	0.39778535	0.66513057	2.3952E-07
-1.7151393	0.72101038	condition[T.KO]	8.2531E-12	Rbm48	0.16865417	0.38172043	2.4121E-07
-0.7402827	0.51562096	condition[T.KO]	8.2662E-12	Ccm2	0.38160136	0.65975422	2.4159E-07
-0.30301	0.45605827	condition[T.KO]	8.3041E-12	Mpv17	0.51022147	0.76267281	2.4269E-07
-0.7828561	0.52224258	condition[T.KO]	8.3582E-12	Csdc2	0.3637138	0.61059908	2.4426E-07
0.12029681	0.41290532	condition[T.KO]	8.4901E-12	Magi1	0.58858603	0.85483871	2.481E-07
-0.2816023	0.45319052	condition[T.KO]	8.6497E-12	Ilf2	0.49744463	0.75729647	2.5276E-07
-1.1525668	0.58825185	condition[T.KO]	8.6574E-12	Mtf1	0.27172061	0.53456221	2.5298E-07
-0.3818303	0.46510914	condition[T.KO]	8.711E-12	Wdr12	0.46252129	0.72734255	2.5453E-07
-0.6104655	0.49560279	condition[T.KO]	8.7382E-12	Farp2	0.41908007	0.68817204	2.5532E-07
-0.6346222	0.49907737	condition[T.KO]	8.7587E-12	Wdr18	0.40204429	0.66436252	2.5591E-07
-3.7682553	1.68996713	condition[T.KO]	8.7674E-12	Gm26644	0.0229983	0.1374808	2.5616E-07
-2.0791706	0.82920868	condition[T.KO]	8.7933E-12	Adnp	0.11754685	0.28494624	2.5691E-07
-1.019759	0.56250735	condition[T.KO]	8.8159E-12	Slc25a26	0.29897785	0.57142857	2.5756E-07
-1.0793378	0.57367766	condition[T.KO]	8.8463E-12	Rwdd4a	0.27938671	0.54301075	2.5844E-07
-0.3880294	0.46572937	condition[T.KO]	8.8489E-12	Fam114a2	0.48551959	0.75268817	2.585E-07
-0.9910792	0.55718062	condition[T.KO]	8.8715E-12	Spg20	0.31260647	0.58525346	2.5915E-07
-0.3510812	0.46115794	condition[T.KO]	8.8879E-12	Fer	0.46422487	0.73963134	2.5963E-07
-1.1260083	0.58265097	condition[T.KO]	8.9108E-12	Obi1	0.26320273	0.49539171	2.6029E-07
-0.3942263	0.46642495	condition[T.KO]	8.9198E-12	Trim35	0.47785349	0.75192012	2.6054E-07
-0.0307902	0.42630802	condition[T.KO]	8.9501E-12	Plekha4	0.54855196	0.83102919	2.6141E-07
-2.1563564	0.8547175	condition[T.KO]	8.9738E-12	Pierce2	0.11243612	0.29185868	2.621E-07
-0.4250013	0.4701835	condition[T.KO]	9.0302E-12	Filip1	0.43100511	0.68817204	2.6374E-07
-1.7026671	0.71622386	condition[T.KO]	9.1187E-12	Ptk7	0.16098807	0.37173579	2.6631E-07
-2.2773352	0.8969661	condition[T.KO]	9.1342E-12	Riox1	0.10051107	0.27726575	2.6676E-07
-0.7226164	0.51166084	condition[T.KO]	9.3052E-12	Epb41l4aos	0.379046	0.61674347	2.7174E-07
-1.0464973	0.56656736	condition[T.KO]	9.5655E-12	Kdm3b	0.27938671	0.54301075	2.7933E-07
-1.5629159	0.67917144	condition[T.KO]	9.5674E-12	Lrrtm1	0.18568995	0.40092166	2.7938E-07
-4.3392196	2.17723242	condition[T.KO]	9.6811E-12	Tnni1	0.01277683	0.13133641	2.8269E-07
-0.5647778	0.48810617	condition[T.KO]	9.6979E-12	Khsrp	0.42504259	0.70276498	2.8317E-07

-0.6590722	0.50163195	condition[T.KO]	9.709E-12	Tmem41b	0.4011925	0.67281106	2.8348E-07
-0.8579757	0.53265466	condition[T.KO]	9.9984E-12	Nol4l	0.33049404	0.59677419	2.9192E-07
-0.3005296	0.45400645	condition[T.KO]	1.0049E-11	Tut4	0.49914821	0.77726575	2.934E-07
-2.3222905	-1.7153982	condition[T.KO]	1.0183E-11	Chrna4	0.08432709	0.02073733	2.9729E-07
-0.4406597	0.47102023	condition[T.KO]	1.0201E-11	Sesn1	0.46337308	0.7281106	2.9781E-07
-0.9912084	0.55562827	condition[T.KO]	1.0222E-11	Osbpl11	0.30834753	0.57450077	2.9841E-07
-1.2604472	0.60833115	condition[T.KO]	1.0351E-11	Serinc5	0.23935264	0.49001536	3.0217E-07
-1.0495765	0.56615623	condition[T.KO]	1.0438E-11	Acat2	0.29216354	0.5483871	3.047E-07
-0.7576681	0.51592331	condition[T.KO]	1.0442E-11	Tssc4	0.37649063	0.640553	3.0481E-07
-1.9525001	0.78626178	condition[T.KO]	1.0451E-11	Shkbp1	0.13458262	0.32949309	3.0507E-07
-0.9284882	0.54397767	condition[T.KO]	1.0692E-11	lft27	0.32964225	0.58986175	3.1209E-07
-0.6351151	0.49689856	condition[T.KO]	1.0956E-11	Xpo6	0.4011925	0.67588326	3.1976E-07
-0.8027372	0.52259619	condition[T.KO]	1.0961E-11	Cdk19	0.35264055	0.63133641	3.199E-07
-0.6863338	0.50445575	condition[T.KO]	1.0967E-11	Nme7	0.36541738	0.60983103	3.2008E-07
-0.8105616	0.52384746	condition[T.KO]	1.0977E-11	Pgap2	0.36712095	0.63364055	3.2034E-07
-0.8758852	0.53462949	condition[T.KO]	1.1011E-11	Snapc1	0.34156729	0.61597542	3.2132E-07
-1.246844	0.60470786	condition[T.KO]	1.1017E-11	Dnajc12	0.25127768	0.47158218	3.2149E-07
-1.1453383	0.58369733	condition[T.KO]	1.1304E-11	Prdm10	0.27597956	0.51843318	3.2987E-07
-0.2819471	0.45071828	condition[T.KO]	1.1362E-11	Cfap20	0.5153322	0.78110599	3.3156E-07
-2.2841339	0.89561089	condition[T.KO]	1.1373E-11	Sat2	0.0988075	0.2734255	3.3187E-07
-0.6668998	0.50113547	condition[T.KO]	1.1429E-11	Bbs4	0.39267462	0.65975422	3.3349E-07
-1.3456124	0.62551327	condition[T.KO]	1.1489E-11	Armcx5	0.23168654	0.45852535	3.3521E-07
-0.7444039	0.51277266	condition[T.KO]	1.158E-11	Nt5dc3	0.37478705	0.63517665	3.3786E-07
-0.3200788	0.45496618	condition[T.KO]	1.1602E-11	Coq2	0.49914821	0.75345622	3.3848E-07
-0.5020869	0.47767579	condition[T.KO]	1.176E-11	Suco	0.43781942	0.72043011	3.4308E-07
-1.5871871	0.68249542	condition[T.KO]	1.177E-11	B330016D10f	0.18824532	0.40552995	3.4335E-07
0.31989388	0.39403021	condition[T.KO]	1.1961E-11	Srrm3	0.64565588	0.85099846	3.4892E-07
-0.6371196	0.49626419	condition[T.KO]	1.2008E-11	St7l	0.39437819	0.70046083	3.5028E-07
-0.3940766	0.46349504	condition[T.KO]	1.2131E-11	Htra1	0.43100511	0.67741935	3.5386E-07
-0.4961587	0.47657149	condition[T.KO]	1.2148E-11	Acs1	0.45400341	0.70890937	3.5434E-07
-2.2057248	0.8666146	condition[T.KO]	1.2173E-11	Lrrc29	0.10477002	0.28801843	3.5506E-07
-3.8435213	1.73571918	condition[T.KO]	1.2289E-11	H2-T10	0.02129472	0.14285714	3.5842E-07

-1.7362583	0.72107091	condition[T.KO]	1.2344E-11	Lurap1	0.16354344	0.37173579	3.6004E-07
-3.6982599	1.62775047	condition[T.KO]	1.2401E-11	Aarsd1	0.02470187	0.14592934	3.6167E-07
-1.6948072	0.70971057	condition[T.KO]	1.2469E-11	Adck2	0.17035775	0.38863287	3.6365E-07
-1.1062809	0.57487551	condition[T.KO]	1.2511E-11	Trafd1	0.28109029	0.53609831	3.6485E-07
-0.4775553	0.47378501	condition[T.KO]	1.2574E-11	Hax1	0.45826235	0.67357911	3.6669E-07
-2.9758855	1.19088894	condition[T.KO]	1.269E-11	Filip1l	0.04770017	0.18202765	3.7004E-07
-0.4426568	0.46914987	condition[T.KO]	1.2731E-11	Supt20	0.45996593	0.73041475	3.7122E-07
0.02834996	0.41762609	condition[T.KO]	1.2789E-11	Srcin1	0.58006814	0.82642089	3.7292E-07
-2.2399763	0.87770838	condition[T.KO]	1.284E-11	Lnx1	0.09199319	0.22043011	3.7439E-07
-2.8002134	1.10533149	condition[T.KO]	1.2952E-11	Niban1	0.0528109	0.19201229	3.7764E-07
-1.5225033	0.66491717	condition[T.KO]	1.3171E-11	Ehd4	0.18994889	0.4093702	3.8402E-07
-1.2405493	0.60118888	condition[T.KO]	1.3217E-11	Klhl5	0.24872232	0.49231951	3.8535E-07
-0.5960554	0.48936459	condition[T.KO]	1.3284E-11	Slc5a3	0.41056218	0.67050691	3.8727E-07
-2.4939936	0.97264625	condition[T.KO]	1.3321E-11	F730043M19	0.07240204	0.21351767	3.8834E-07
0.32772427	0.39249376	condition[T.KO]	1.3444E-11	Fnta	0.65587734	0.86635945	3.9193E-07
-1.1201215	0.57668214	condition[T.KO]	1.3491E-11	Eif2b1	0.27427598	0.53225806	3.9328E-07
-0.3118241	0.45251609	condition[T.KO]	1.3597E-11	Pdxdc1	0.49403748	0.76497696	3.9635E-07
-0.6173457	0.49212846	condition[T.KO]	1.3637E-11	Pomgnt2	0.41737649	0.69815668	3.9749E-07
-0.1468475	0.43422615	condition[T.KO]	1.3673E-11	Zc3h13	0.55366269	0.80184332	3.9856E-07
-1.2707037	0.60697776	condition[T.KO]	1.3829E-11	Dync2li1	0.24361158	0.49231951	4.0307E-07
0.34845146	0.39064985	condition[T.KO]	1.4002E-11	Epha5	0.64565588	0.86328725	4.0811E-07
-1.6282522	0.69056655	condition[T.KO]	1.4045E-11	Slc7a6os	0.17546848	0.39170507	4.0934E-07
-1.932991	0.77570193	condition[T.KO]	1.4107E-11	3110082I17R	0.13373083	0.33640553	4.1114E-07
-0.7579629	0.51278212	condition[T.KO]	1.4166E-11	Chd7	0.36456559	0.6328725	4.1285E-07
-0.3286992	0.45410778	condition[T.KO]	1.4179E-11	Lrrc58	0.50340716	0.7764977	4.1322E-07
-0.3664803	0.45847229	condition[T.KO]	1.4421E-11	Sos2	0.47785349	0.76728111	4.2023E-07
-0.6227969	0.49232009	condition[T.KO]	1.4457E-11	Pip5k1a	0.41141397	0.67357911	4.2127E-07
-1.4470207	0.64567586	condition[T.KO]	1.4457E-11	Xpc	0.20868825	0.44546851	4.2128E-07
-0.6612264	0.49784373	condition[T.KO]	1.454E-11	Timmdc1	0.39182283	0.66973886	4.2366E-07
-2.8297747	1.1164924	condition[T.KO]	1.4631E-11	Gm15645	0.05536627	0.1797235	4.2632E-07
-1.9574085	0.78254108	condition[T.KO]	1.465E-11	Retsat	0.13373083	0.32872504	4.2686E-07
-0.604913	0.48948472	condition[T.KO]	1.487E-11	Al837181	0.40630324	0.67050691	4.3325E-07

-0.5762917	0.48544822	condition[T.KO]	1.4894E-11	Mpdu1	0.42589438	0.69354839	4.3393E-07
-0.9312927	0.54062868	condition[T.KO]	1.516E-11	Alg5	0.33049404	0.61059908	4.4165E-07
-2.6176521	1.02100085	condition[T.KO]	1.5198E-11	Fut9	0.05792164	0.18970814	4.4276E-07
-1.3635344	0.62590277	condition[T.KO]	1.5295E-11	Lamb2	0.21890971	0.45852535	4.4557E-07
-2.2833556	0.88991013	condition[T.KO]	1.5492E-11	A830082K12F	0.09454855	0.2734255	4.5129E-07
-2.2585596	0.88098323	condition[T.KO]	1.5545E-11	1500015A07F	0.10136286	0.2734255	4.5281E-07
-1.5837084	0.67777466	condition[T.KO]	1.5618E-11	Cacna1b	0.16609881	0.34792627	4.5492E-07
-3.0481099	1.22297414	condition[T.KO]	1.567E-11	Bc1	0.04429302	0.16897081	4.5641E-07
-2.0532323	0.81146423	condition[T.KO]	1.5693E-11	Gm43174	0.11925043	0.30721966	4.5708E-07
-1.7602378	0.72414136	condition[T.KO]	1.5761E-11	Tnfaip8	0.15247019	0.35560676	4.5905E-07
-0.1445344	0.43266031	condition[T.KO]	1.5841E-11	Prkcsh	0.55536627	0.81259601	4.6134E-07
-3.673064	1.60204237	condition[T.KO]	1.5897E-11	Egr3	0.02385009	0.11981567	4.6298E-07
0.98861634	0.35348553	condition[T.KO]	1.5901E-11	Pmp22	0.65587734	0.86866359	4.6307E-07
-0.9233445	0.53869188	condition[T.KO]	1.5951E-11	Pwwp2a	0.3330494	0.60215054	4.645E-07
-0.2575137	0.44466866	condition[T.KO]	1.6189E-11	Dpm1	0.51277683	0.7688172	4.7141E-07
-0.4289434	0.46503731	condition[T.KO]	1.6283E-11	Prdm2	0.47103918	0.74039939	4.7414E-07
-0.7513879	0.51029089	condition[T.KO]	1.6292E-11	Commd8	0.379046	0.6328725	4.744E-07
-4.2770297	2.09405537	condition[T.KO]	1.6728E-11	9130410C08F	0.01277683	0.0890937	4.8706E-07
-0.5293835	0.47782696	condition[T.KO]	1.6801E-11	Irak1	0.44463373	0.70737327	4.8919E-07
-2.0931619	0.82327482	condition[T.KO]	1.6807E-11	Aste1	0.11413969	0.30875576	4.8932E-07
0.03109554	0.4149413	condition[T.KO]	1.6925E-11	Scp2	0.59028961	0.81029186	4.9276E-07
-0.9336898	0.53980671	condition[T.KO]	1.6956E-11	Mgll	0.30579216	0.55760369	4.9364E-07
-0.5286505	0.47760706	condition[T.KO]	1.7008E-11	Sema6b	0.43611584	0.70430108	4.9515E-07
-0.2204156	0.44000209	condition[T.KO]	1.7193E-11	Vta1	0.53747871	0.79109063	5.005E-07
-2.1091761	0.82786153	condition[T.KO]	1.75E-11	Ttc23	0.11243612	0.29646697	5.0942E-07
-0.7056056	0.502339	condition[T.KO]	1.7844E-11	Bsdc1	0.37819421	0.65360983	5.1941E-07
-0.6052242	0.48765285	condition[T.KO]	1.7909E-11	Nalcn	0.35945486	0.61904762	5.2128E-07
-0.0147964	0.4186975	condition[T.KO]	1.7938E-11	Ube2e3	0.59199319	0.81643625	5.2211E-07
-1.3592222	0.62287174	condition[T.KO]	1.8018E-11	Edem2	0.22998296	0.47926267	5.2442E-07
-0.4563437	0.46745752	condition[T.KO]	1.8173E-11	Ctr9	0.47018739	0.71735791	5.2893E-07
-0.8902845	0.53157534	condition[T.KO]	1.824E-11	Rbm22	0.35093697	0.60829493	5.3087E-07
-0.1438178	0.43122799	condition[T.KO]	1.841E-11	Tmem106b	0.5528109	0.8141321	5.3579E-07

-0.0474743	0.42157836	condition[T.KO]	1.8434E-11	Tln1	0.56558773	0.80184332	5.3646E-07
-1.5352687	0.66347543	condition[T.KO]	1.8519E-11	Traf6	0.19591141	0.42165899	5.3892E-07
-3.6016752	1.5475813	condition[T.KO]	1.8806E-11	Gm10060	0.02640545	0.15053763	5.4725E-07
-0.1226673	0.42883966	condition[T.KO]	1.8856E-11	Srsf9	0.55621806	0.81797235	5.4869E-07
0.37925777	0.38596356	condition[T.KO]	1.8986E-11	Srgap3	0.63969336	0.86635945	5.5245E-07
-3.186794	1.29276219	condition[T.KO]	1.8992E-11	Mycl	0.04003407	0.17511521	5.526E-07
-2.926643	1.15679835	condition[T.KO]	1.9263E-11	Zfp991	0.05451448	0.19585253	5.6048E-07
-0.8283188	0.52070952	condition[T.KO]	1.9292E-11	Tprkb	0.35093697	0.60983103	5.6129E-07
-2.3296569	0.902789	condition[T.KO]	1.9329E-11	Zfp335os	0.09454855	0.25806452	5.6235E-07
0.1585351	0.40256697	condition[T.KO]	1.9607E-11	Tmed9	0.62606474	0.8609831	5.7042E-07
-1.1277145	0.57373967	condition[T.KO]	1.9667E-11	Disp1	0.27086882	0.5422427	5.7214E-07
-0.1588741	0.43216803	condition[T.KO]	1.9725E-11	Galnt9	0.54855196	0.79569892	5.7382E-07
-2.5754752	0.99811253	condition[T.KO]	1.9762E-11	Cplx2	0.06899489	0.22119816	5.7488E-07
-0.0612233	0.42229238	condition[T.KO]	1.9767E-11	Cd302	0.52214651	0.76497696	5.7499E-07
-3.5253348	1.49527542	condition[T.KO]	1.9834E-11	Hyal1	0.02896082	0.15745008	5.7694E-07
-0.9596635	0.54257495	condition[T.KO]	1.9871E-11	Dyrk2	0.31431005	0.56451613	5.7799E-07
-0.1878882	0.43511425	condition[T.KO]	1.9976E-11	Sfswap	0.54599659	0.80337942	5.8103E-07
-0.5628736	0.48057593	condition[T.KO]	2.0136E-11	Slc27a1	0.4241908	0.69815668	5.8567E-07
-0.8837352	0.52932655	condition[T.KO]	2.0254E-11	Tmem53	0.33560477	0.60138249	5.8906E-07
-1.3270419	0.61430579	condition[T.KO]	2.03E-11	lqcc	0.24020443	0.46697389	5.904E-07
-0.5603667	0.48014752	condition[T.KO]	2.0308E-11	Plekha3	0.42589438	0.71044547	5.9058E-07
-2.0491465	0.80573494	condition[T.KO]	2.0632E-11	Pdzph1	0.10902896	0.30107527	6.0001E-07
-0.6793257	0.49688014	condition[T.KO]	2.0698E-11	Hspa14	0.39267462	0.65898618	6.0191E-07
-2.8356783	1.11157986	condition[T.KO]	2.0759E-11	Nucb2	0.05366269	0.19201229	6.0364E-07
-1.9091555	0.76253461	condition[T.KO]	2.0877E-11	Igf2bp3	0.13458262	0.33333333	6.0705E-07
-0.9697429	0.54375494	condition[T.KO]	2.0953E-11	Fam76b	0.32282794	0.58448541	6.0926E-07
-2.1924783	0.85276462	condition[T.KO]	2.098E-11	Wtip	0.10562181	0.28571429	6.1003E-07
0.22016543	0.39699142	condition[T.KO]	2.0997E-11	Srrm1	0.63543441	0.85791091	6.1048E-07
-2.2096058	0.85852416	condition[T.KO]	2.1131E-11	ENSMUSG000	0.10817717	0.28264209	6.1435E-07
-0.182092	0.43389045	condition[T.KO]	2.1348E-11	Clpp	0.55962521	0.78341014	6.2064E-07
0.37745067	0.38511283	condition[T.KO]	2.1388E-11	Rpl12	0.65502555	0.8655914	6.218E-07
-0.6105295	0.48655618	condition[T.KO]	2.1486E-11	Mrpl19	0.40800681	0.65360983	6.2463E-07

-0.0773377	0.42312008	condition[T.KO]	2.1501E-11	Htt	0.57921635	0.82104455	6.2504E-07
-2.0791706	0.8146411	condition[T.KO]	2.1564E-11	Gstk1	0.11925043	0.30414747	6.2685E-07
-0.3224366	0.44932405	condition[T.KO]	2.1791E-11	Pgrmc2	0.50170358	0.76804916	6.3341E-07
-1.9048492	-1.1214578	condition[T.KO]	2.1835E-11	Vpreb3	0.07240204	0.03609831	6.3467E-07
-0.2316031	0.43899296	condition[T.KO]	2.1905E-11	Numb	0.53236797	0.79493088	6.3668E-07
-2.6776522	1.03908835	condition[T.KO]	2.2087E-11	Pop1	0.06643952	0.22119816	6.4195E-07
-1.1117461	0.56907663	condition[T.KO]	2.2498E-11	Slc1a4	0.28449744	0.53456221	6.5387E-07
-0.5663634	0.47992835	condition[T.KO]	2.2527E-11	Fbrsl1	0.4241908	0.70046083	6.5469E-07
-0.8161412	0.51706391	condition[T.KO]	2.2546E-11	Ntng2	0.33219761	0.57219662	6.5524E-07
-1.5272359	0.65885461	condition[T.KO]	2.258E-11	Mta2	0.20102215	0.43164363	6.562E-07
-1.389311	0.62658629	condition[T.KO]	2.2782E-11	Polr1a	0.22146508	0.453149	6.6204E-07
-1.2374787	0.5939193	condition[T.KO]	2.2792E-11	Nfatc2	0.24190801	0.44316436	6.6232E-07
-0.4438553	0.46354426	condition[T.KO]	2.3065E-11	Ankrd10	0.46081772	0.74039939	6.7023E-07
-0.7501859	0.50643106	condition[T.KO]	2.3088E-11	Abhd14a	0.38500852	0.64362519	6.7088E-07
-1.0088136	0.54957502	condition[T.KO]	2.3198E-11	Ptprt	0.28705281	0.52534562	6.7405E-07
-1.8043236	0.73059979	condition[T.KO]	2.3394E-11	Pdk1	0.14991482	0.35483871	6.7972E-07
-0.7431369	0.50513948	condition[T.KO]	2.3546E-11	Porcn	0.37052811	0.64362519	6.8412E-07
0.64731489	0.36726127	condition[T.KO]	2.3705E-11	Rpl17	0.68739353	0.88095238	6.8871E-07
-2.0600129	0.80672652	condition[T.KO]	2.4018E-11	Pdgfrb	0.11499148	0.30107527	6.9777E-07
-2.0926516	0.81717759	condition[T.KO]	2.4094E-11	Vps37b	0.11669506	0.30030722	6.9996E-07
-1.6039284	0.6767805	condition[T.KO]	2.4312E-11	Ctu2	0.17546848	0.41628264	7.0626E-07
-2.1422732	0.83328828	condition[T.KO]	2.437E-11	Mid1	0.10562181	0.28648233	7.0792E-07
-0.0905988	0.42330405	condition[T.KO]	2.4375E-11	Stxbp5l	0.53321976	0.78417819	7.0805E-07
0.20952482	0.39656967	condition[T.KO]	2.4386E-11	Tmem234	0.64054514	0.86021505	7.0833E-07
-0.7680222	0.50859158	condition[T.KO]	2.4437E-11	Plekho1	0.36286201	0.5875576	7.098E-07
0.57280984	0.37130272	condition[T.KO]	2.4593E-11	Ebf1	0.65758092	0.87096774	7.143E-07
-1.0540052	0.55712593	condition[T.KO]	2.4667E-11	Pdzd4	0.29812606	0.55453149	7.1643E-07
-1.3644545	0.6199592	condition[T.KO]	2.4808E-11	Pus7	0.22061329	0.47311828	7.2051E-07
-2.1900726	0.84904098	condition[T.KO]	2.4852E-11	Isg15	0.08603066	0.22887865	7.2175E-07
-1.5438205	0.66158503	condition[T.KO]	2.4853E-11	Abtb2	0.18994889	0.38632873	7.2176E-07
-0.0538455	0.41951444	condition[T.KO]	2.4909E-11	A330023F24F	0.55451448	0.80414747	7.2337E-07
-0.2109799	0.43554639	condition[T.KO]	2.4947E-11	Trappc3	0.54088586	0.79646697	7.2442E-07

-1.0683419	0.55965737	condition[T.KO]	2.495E-11	Senp1	0.2955707	0.55529954	7.2449E-07
-0.0866255	0.42264124	condition[T.KO]	2.5117E-11	Gripap1	0.57069847	0.80568356	7.2931E-07
-0.6717931	0.49376236	condition[T.KO]	2.513E-11	Hacd1	0.39608177	0.6812596	7.2967E-07
-0.7182509	0.50061002	condition[T.KO]	2.527E-11	Sec61a1	0.39352641	0.66359447	7.3371E-07
-0.8116974	0.51499689	condition[T.KO]	2.5567E-11	Dhx57	0.36201022	0.63133641	7.423E-07
-0.5085492	0.47088143	condition[T.KO]	2.5581E-11	Tlcd4	0.44974446	0.71658986	7.427E-07
-0.2623933	0.44081628	condition[T.KO]	2.5968E-11	Ttc4	0.51873935	0.77803379	7.539E-07
-0.1624847	0.42998426	condition[T.KO]	2.6116E-11	Cdc5l	0.55706985	0.79416283	7.5817E-07
-0.4192086	0.45921995	condition[T.KO]	2.6182E-11	Acap2	0.45570698	0.75652842	7.6007E-07
-2.8844986	1.12933076	condition[T.KO]	2.6323E-11	Wscd2	0.05451448	0.18663594	7.6413E-07
-0.2783281	0.44244818	condition[T.KO]	2.6407E-11	Eif4e2	0.51448041	0.75499232	7.6653E-07
-0.4793834	0.46670974	condition[T.KO]	2.6542E-11	Stk38	0.45741056	0.72580645	7.7044E-07
0.42034126	0.38033333	condition[T.KO]	2.6727E-11	Agap1	0.66609881	0.87634409	7.7578E-07
-2.3167548	0.89202025	condition[T.KO]	2.7064E-11	Morn1	0.09284497	0.2718894	7.8553E-07
-0.1380811	0.42707719	condition[T.KO]	2.7248E-11	Cask	0.54684838	0.80491551	7.9085E-07
-1.3167767	0.60836325	condition[T.KO]	2.729E-11	Nfyb	0.23594549	0.48003072	7.9204E-07
-1.0644912	0.55780431	condition[T.KO]	2.7508E-11	Gm10033	0.28705281	0.51228879	7.9834E-07
-0.3795125	0.45386637	condition[T.KO]	2.7544E-11	Pdlim5	0.46252129	0.75192012	7.9936E-07
-1.0650825	0.55787622	condition[T.KO]	2.7598E-11	Tspo	0.25894378	0.53993856	8.0088E-07
-0.5601467	0.47702825	condition[T.KO]	2.7612E-11	Cyb5r4	0.42333901	0.68356375	8.0127E-07
-1.4398719	0.63551007	condition[T.KO]	2.7736E-11	Tsen2	0.21465077	0.44162826	8.0483E-07
-1.2084041	0.58557559	condition[T.KO]	2.7772E-11	Uck1	0.26235094	0.51228879	8.0586E-07
0.17616138	0.39813377	condition[T.KO]	2.781E-11	Fhod3	0.61584327	0.84562212	8.0693E-07
-0.2782626	0.44195197	condition[T.KO]	2.7815E-11	Tsnax	0.51277683	0.77572965	8.0706E-07
-1.219304	0.58769006	condition[T.KO]	2.7984E-11	Fam120c	0.24787053	0.49231951	8.1193E-07
-0.4713493	0.46505399	condition[T.KO]	2.8266E-11	Atg5	0.44889267	0.71198157	8.2008E-07
-0.7334151	0.50170599	condition[T.KO]	2.8315E-11	Snx4	0.37223169	0.64592934	8.2149E-07
-0.7453056	0.50346444	condition[T.KO]	2.8462E-11	Tnfaip1	0.38500852	0.64516129	8.2571E-07
-1.2096784	0.58545176	condition[T.KO]	2.8654E-11	Axin1	0.25809199	0.51305684	8.3125E-07
-0.2687525	0.44058529	condition[T.KO]	2.8711E-11	Snx24	0.51362862	0.77726575	8.3289E-07
-1.7287554	0.70670977	condition[T.KO]	2.9035E-11	Kptn	0.16524702	0.37634409	8.4224E-07
-1.2129671	0.58592169	condition[T.KO]	2.9115E-11	Thumpd1	0.25638842	0.5	8.4453E-07

-0.5496099	0.47504314	condition[T.KO]	2.9179E-11	Gopc	0.41908007	0.69278034	8.4637E-07
0.91690692	0.35199941	condition[T.KO]	2.9271E-11	Eef1a1	0.70357751	0.88556068	8.49E-07
-0.1944907	0.43229343	condition[T.KO]	2.9301E-11	Tsen34	0.53833049	0.78494624	8.4985E-07
-1.010861	0.54726877	condition[T.KO]	2.931E-11	Ddx55	0.31260647	0.56989247	8.5008E-07
-0.2197789	0.43494121	condition[T.KO]	2.9503E-11	Celf4	0.49063032	0.74116743	8.5565E-07
-1.6075531	0.67491915	condition[T.KO]	2.9681E-11	4931406C07F	0.18568995	0.406298	8.6077E-07
-1.4653324	0.64047893	condition[T.KO]	2.9736E-11	Atp7a	0.20357751	0.41551459	8.6235E-07
-1.2547323	0.59418721	condition[T.KO]	2.9786E-11	Kdm4b	0.2572402	0.50768049	8.6375E-07
-0.4829456	0.46602338	condition[T.KO]	2.9805E-11	N6amt1	0.43356048	0.6827957	8.6428E-07
0.44677037	0.3776481	condition[T.KO]	2.991E-11	Gm47283	0.65843271	0.87557604	8.6729E-07
-2.8122701	1.09261251	condition[T.KO]	2.9988E-11	Cryz12	0.05792164	0.20583717	8.6953E-07
-0.8676626	0.52228521	condition[T.KO]	3.015E-11	Dgat1	0.35349233	0.62442396	8.7421E-07
-0.1424069	0.42656801	condition[T.KO]	3.0242E-11	Ssbp2	0.53918228	0.82411674	8.7685E-07
-0.7225878	0.49925662	condition[T.KO]	3.0574E-11	Otulin	0.38330494	0.64516129	8.8643E-07
-2.4978616	0.95802803	condition[T.KO]	3.0849E-11	Rcn3	0.07751278	0.2296467	8.9439E-07
-0.8017088	0.51136537	condition[T.KO]	3.0893E-11	Lrrc30	0.33134583	0.53686636	8.9562E-07
0.08214878	0.40512961	condition[T.KO]	3.0925E-11	Eif5b	0.61158433	0.83563748	8.9651E-07
-0.8867085	0.52503247	condition[T.KO]	3.1291E-11	Mlx	0.33049404	0.59984639	9.0709E-07
-0.1555648	0.42757592	condition[T.KO]	3.1404E-11	Maco1	0.55792164	0.80107527	9.1035E-07
-1.3390679	0.61135477	condition[T.KO]	3.1498E-11	Raver2	0.22913118	0.46774194	9.1304E-07
-1.2266556	0.58764499	condition[T.KO]	3.1728E-11	Arl16	0.25127768	0.48924731	9.1968E-07
-0.4612841	0.46261672	condition[T.KO]	3.1763E-11	Prpf6	0.45741056	0.7281106	9.2065E-07
-1.2475582	0.59189605	condition[T.KO]	3.1799E-11	Utp14a	0.24787053	0.49231951	9.2167E-07
-0.8438721	0.51777691	condition[T.KO]	3.1893E-11	Dipk1a	0.34667802	0.62135177	9.2435E-07
-2.207589	0.85068563	condition[T.KO]	3.1931E-11	Nt5dc2	0.09965928	0.24500768	9.2541E-07
-0.4458992	0.46058822	condition[T.KO]	3.2025E-11	Dnajc1	0.45826235	0.7311828	9.2813E-07
-2.5773637	0.98918289	condition[T.KO]	3.2138E-11	Gm44799	0.0758092	0.23271889	9.3135E-07
-2.4677886	0.94542062	condition[T.KO]	3.2212E-11	Ccdc112	0.08091993	0.24116743	9.3346E-07
-0.026597	0.41461347	condition[T.KO]	3.2234E-11	Dpysl3	0.58517888	0.80568356	9.3407E-07
-1.1082971	0.56405306	condition[T.KO]	3.2562E-11	Gdap2	0.28449744	0.51920123	9.4356E-07
-0.9197997	0.530155	condition[T.KO]	3.257E-11	Igf2r	0.32453152	0.58832565	9.4375E-07
-1.0181106	0.5473263	condition[T.KO]	3.2667E-11	Shroom2	0.28194208	0.53686636	9.4654E-07

-2.0636427	0.80270747	condition[T.KO]	3.2929E-11	Ass1	0.10647359	0.25345622	9.5407E-07
-1.2143484	0.584512	condition[T.KO]	3.3423E-11	Mitd1	0.25809199	0.49155146	9.6835E-07
-0.8502285	0.51827354	condition[T.KO]	3.3493E-11	Dkc1	0.34582624	0.60675883	9.7037E-07
-1.4462648	0.63446924	condition[T.KO]	3.3551E-11	Helq	0.20528109	0.44086022	9.72E-07
-1.594774	0.66975143	condition[T.KO]	3.4191E-11	Unk	0.17887564	0.4093702	9.905E-07
0.20048614	0.39435612	condition[T.KO]	3.4402E-11	Tln2	0.63287905	0.85483871	9.9659E-07
-0.9481439	-0.6443482	condition[T.KO]	3.4413E-11	Colq	0.29982964	0.18509985	9.9688E-07
0.26850544	0.38902355	condition[T.KO]	3.4644E-11	Anp32a	0.64224872	0.84485407	1.0035E-06
-1.4745956	0.64050534	condition[T.KO]	3.4896E-11	Arhgap10	0.20187394	0.41705069	1.0108E-06
-1.2331457	0.58775085	condition[T.KO]	3.5019E-11	Il11ra1	0.25383305	0.49462366	1.0143E-06
-0.3463685	0.44754367	condition[T.KO]	3.5241E-11	Sbds	0.48722317	0.75268817	1.0207E-06
-2.1091761	0.81616452	condition[T.KO]	3.5331E-11	Plxnb2	0.11499148	0.30337942	1.0233E-06
-0.3379155	0.44652076	condition[T.KO]	3.5358E-11	Sri	0.48722317	0.74884793	1.024E-06
-0.1390355	0.42474166	condition[T.KO]	3.5555E-11	Ppp2r2a	0.54770017	0.80491551	1.0297E-06
-2.0269937	0.78977567	condition[T.KO]	3.5867E-11	Kank2	0.12521295	0.30721966	1.0387E-06
-0.1766628	0.42852348	condition[T.KO]	3.5947E-11	Ubac1	0.54088586	0.78341014	1.041E-06
-0.8787198	0.52216103	condition[T.KO]	3.5973E-11	Commd7	0.32964225	0.59984639	1.0417E-06
0.1352042	0.39926068	condition[T.KO]	3.6098E-11	Hadha	0.61073254	0.85099846	1.0453E-06
-2.5057406	0.95785374	condition[T.KO]	3.6504E-11	Hacd4	0.07325383	0.22427035	1.057E-06
-0.7016194	0.49422467	condition[T.KO]	3.6599E-11	Pdcd7	0.39011925	0.64362519	1.0597E-06
0.39044823	0.37977062	condition[T.KO]	3.6625E-11	Cd59a	0.66183986	0.87019969	1.0604E-06
-0.4915742	0.46506	condition[T.KO]	3.6738E-11	Casc3	0.44463373	0.71735791	1.0637E-06
-1.6117465	0.6727213	condition[T.KO]	3.7446E-11	Rbmx2	0.19165247	0.40552995	1.0841E-06
-3.1028251	1.23027442	condition[T.KO]	3.7449E-11	Ccer2	0.04258944	0.16973886	1.0842E-06
-1.8561477	0.73796036	condition[T.KO]	3.792E-11	Gm16001	0.09284497	0.22427035	1.0978E-06
-0.9134101	0.52736189	condition[T.KO]	3.7946E-11	Tet2	0.32027257	0.60522273	1.0985E-06
-0.3800498	0.450678	condition[T.KO]	3.8551E-11	Tgs1	0.48296422	0.75576037	1.116E-06
0.19835749	0.39348281	condition[T.KO]	3.885E-11	Cab39l	0.6132879	0.85791091	1.1246E-06
-1.3069741	-0.7656241	condition[T.KO]	3.9239E-11	Rcor2	0.22657581	0.13671275	1.1358E-06
0.17214171	0.39547516	condition[T.KO]	3.9356E-11	Tm2d2	0.63543441	0.85253456	1.1392E-06
-0.7571956	0.50180761	condition[T.KO]	3.9427E-11	Gps2	0.37734242	0.64746544	1.1412E-06
-1.3754568	0.61640861	condition[T.KO]	3.9465E-11	Cilk1	0.21890971	0.46466974	1.1422E-06

-0.1773411	0.42770795	condition[T.KO]	3.9558E-11	Yipf3	0.54770017	0.80798771	1.1449E-06
-1.0522797	0.55120791	condition[T.KO]	3.9908E-11	Gpatch1	0.29301533	0.546851	1.155E-06
-0.4322535	0.45652556	condition[T.KO]	4.0688E-11	Scfd1	0.46592845	0.73425499	1.1775E-06
-1.2084139	0.58089546	condition[T.KO]	4.0715E-11	Camkk1	0.25468484	0.50384025	1.1782E-06
-1.2666617	0.59271029	condition[T.KO]	4.089E-11	Atpsckmt	0.24872232	0.49769585	1.1833E-06
-1.195394	0.57821649	condition[T.KO]	4.098E-11	ENSMUSG000	0.23424191	0.44009217	1.1858E-06
-0.5182967	0.46743418	condition[T.KO]	4.1046E-11	Kat6b	0.43781942	0.69892473	1.1877E-06
0.28763022	0.38611336	condition[T.KO]	4.126E-11	Cd164	0.65076661	0.86789555	1.1938E-06
-0.289434	0.43947147	condition[T.KO]	4.1292E-11	Atg12	0.49659284	0.75499232	1.1948E-06
-0.5270489	0.46837157	condition[T.KO]	4.1935E-11	Nagk	0.44207836	0.69431644	1.2133E-06
-1.3841215	0.61747604	condition[T.KO]	4.2115E-11	Tyw5	0.22827939	0.44700461	1.2185E-06
-1.0639718	0.55270139	condition[T.KO]	4.2196E-11	5330431K02F	0.28960818	0.53993856	1.2208E-06
-0.2113886	0.4306945	condition[T.KO]	4.2229E-11	Asphd2	0.53747871	0.7688172	1.2217E-06
-0.2243918	0.43207992	condition[T.KO]	4.2272E-11	Clip1	0.52555366	0.78955453	1.2229E-06
-0.2452244	0.43429657	condition[T.KO]	4.2471E-11	Rbm8a	0.5229983	0.76804916	1.2286E-06
-2.4106505	0.91831051	condition[T.KO]	4.2486E-11	Cox6b2	0.07836457	0.24347158	1.229E-06
-1.0019917	0.54140737	condition[T.KO]	4.2503E-11	Tmem201	0.30579216	0.57526882	1.2294E-06
-0.6974809	0.49201183	condition[T.KO]	4.2593E-11	Wbp1	0.3867121	0.64669739	1.232E-06
-0.486625	0.46293534	condition[T.KO]	4.2632E-11	Lpin2	0.44633731	0.69278034	1.2331E-06
-0.9152703	0.52630001	condition[T.KO]	4.289E-11	Ogfr	0.33219761	0.5952381	1.2405E-06
-0.3725846	0.44874787	condition[T.KO]	4.2892E-11	Fbxl20	0.4846678	0.74961598	1.2405E-06
-1.5881909	0.66495126	condition[T.KO]	4.2909E-11	Agbl3	0.18568995	0.39554531	1.241E-06
-2.2705693	0.86724882	condition[T.KO]	4.2969E-11	ENSMUSG000	0.09795571	0.26728111	1.2427E-06
-1.3504048	0.60982174	condition[T.KO]	4.3005E-11	Snhg10	0.23253833	0.44623656	1.2437E-06
-3.530178	1.47527218	condition[T.KO]	4.3008E-11	Vash1	0.02981261	0.14362519	1.2437E-06
-2.8995921	1.12528044	condition[T.KO]	4.3048E-11	Med12	0.05451448	0.19738863	1.2448E-06
-0.1871492	0.42793558	condition[T.KO]	4.3111E-11	Gm37240	0.52044293	0.77572965	1.2466E-06
-0.441699	0.45712984	condition[T.KO]	4.3115E-11	Acadsb	0.47444634	0.73886329	1.2467E-06
-1.6356882	0.67675094	condition[T.KO]	4.316E-11	Rwdd2a	0.17291312	0.37941628	1.2479E-06
-0.9359691	0.52972633	condition[T.KO]	4.321E-11	Ptpn2	0.31771721	0.56989247	1.2493E-06
-2.1855675	0.83790387	condition[T.KO]	4.3367E-11	Cdh19	0.10136286	0.26497696	1.2538E-06
-1.004823	0.54163295	condition[T.KO]	4.3536E-11	Rnf168	0.30579216	0.54761905	1.2587E-06

-1.0085316	0.54220147	condition[T.KO]	4.3882E-11	Eif2b3	0.28960818	0.55376344	1.2686E-06
-0.9861167	0.53818728	condition[T.KO]	4.4065E-11	Faap20	0.31601363	0.54608295	1.2739E-06
-1.3117267	0.60115786	condition[T.KO]	4.4256E-11	Fkbp14	0.23764906	0.48617512	1.2794E-06
-2.3631545	0.89973209	condition[T.KO]	4.469E-11	Acot2	0.08858603	0.25115207	1.2918E-06
-2.735122	1.04916433	condition[T.KO]	4.488E-11	Tpo	0.06303237	0.19431644	1.2973E-06
-0.7767714	0.50340169	condition[T.KO]	4.4979E-11	Alcam	0.3253833	0.5952381	1.3001E-06
-0.2092356	0.42981368	condition[T.KO]	4.5272E-11	Mid1ip1	0.51703578	0.79723502	1.3085E-06
-0.8365232	0.51264483	condition[T.KO]	4.569E-11	Evi5l	0.3560477	0.62058372	1.3206E-06
-1.3128899	0.60096367	condition[T.KO]	4.5814E-11	Bbs9	0.22657581	0.47004608	1.3241E-06
-0.2856534	0.43802692	condition[T.KO]	4.5954E-11	Pkn2	0.49914821	0.7764977	1.3281E-06
-1.0703062	0.55283902	condition[T.KO]	4.6051E-11	Nr2c2ap	0.29642249	0.52688172	1.3309E-06
0.32723853	0.38226524	condition[T.KO]	4.6214E-11	Ppp1r12b	0.64310051	0.85637481	1.3355E-06
0.08516751	0.40129283	condition[T.KO]	4.6486E-11	Arl1	0.61243612	0.84331797	1.3434E-06
-2.9374697	1.1416117	condition[T.KO]	4.6578E-11	Ptprz1	0.03747871	0.16282642	1.346E-06
-1.588814	0.66393505	condition[T.KO]	4.6654E-11	Ccdc71	0.1890971	0.39861751	1.3481E-06
-1.1163638	0.5610923	condition[T.KO]	4.7466E-11	Pdcd2l	0.27853492	0.53533026	1.3715E-06
0.03984719	0.40502638	condition[T.KO]	4.7744E-11	Eps15l1	0.60051107	0.82488479	1.3795E-06
-0.8197023	0.50947295	condition[T.KO]	4.7765E-11	Thada	0.34156729	0.60829493	1.3801E-06
-1.3557771	0.60962684	condition[T.KO]	4.7782E-11	Cdyl2	0.22402044	0.453149	1.3805E-06
-1.3845696	0.61557385	condition[T.KO]	4.9093E-11	Dcps	0.22913118	0.4546851	1.4184E-06
-3.0902682	1.2168488	condition[T.KO]	4.9267E-11	H4c3	0.04429302	0.17050691	1.4233E-06
-2.011763	0.779798	condition[T.KO]	4.9546E-11	Sp2	0.12606474	0.31797235	1.4313E-06
0.23780029	0.38825708	condition[T.KO]	4.9881E-11	Slc25a33	0.62606474	0.84178187	1.441E-06
0.39929311	-0.4026728	condition[T.KO]	5.0017E-11	Edil3	0.64480409	0.64976959	1.4448E-06
-0.1765062	0.42539639	condition[T.KO]	5.0253E-11	Vps13a	0.52810903	0.78110599	1.4516E-06
-1.3760252	0.61337966	condition[T.KO]	5.0293E-11	Prpf4	0.22827939	0.45698925	1.4527E-06
-1.3496028	0.60760815	condition[T.KO]	5.0366E-11	Htr7	0.21805792	0.44009217	1.4548E-06
0.16908023	0.39356234	condition[T.KO]	5.051E-11	Pde1c	0.54173765	0.83717358	1.4589E-06
-0.0421269	0.41202674	condition[T.KO]	5.0569E-11	Pak3	0.56984668	0.77880184	1.4605E-06
-0.8596068	0.5152209	condition[T.KO]	5.0697E-11	Dync2i1	0.34667802	0.60215054	1.4642E-06
0.00121462	0.40793129	condition[T.KO]	5.0954E-11	Mapk3	0.59625213	0.83333333	1.4715E-06
-1.991075	0.77293761	condition[T.KO]	5.1225E-11	Gstcd	0.1286201	0.31797235	1.4793E-06

-0.8870876	0.51960336	condition[T.KO]	5.1233E-11	lft52	0.33560477	0.60138249	1.4795E-06
-0.1675806	0.42412331	condition[T.KO]	5.2174E-11	Trak2	0.55706985	0.80568356	1.5066E-06
-1.7506158	0.70377503	condition[T.KO]	5.2824E-11	Zfp687	0.16013629	0.37096774	1.5253E-06
-0.476239	0.45941657	condition[T.KO]	5.3059E-11	lrf2	0.45400341	0.72196621	1.5321E-06
-1.1167183	0.55979118	condition[T.KO]	5.3198E-11	Riok1	0.27768313	0.53149002	1.536E-06
-2.1172804	0.81158331	condition[T.KO]	5.4125E-11	Schip1	0.11413969	0.29185868	1.5628E-06
-0.9676525	0.53260169	condition[T.KO]	5.4133E-11	Gpn3	0.32112436	0.56835637	1.5629E-06
-2.3165999	0.87931889	condition[T.KO]	5.4209E-11	Socs2	0.08262351	0.23041475	1.5651E-06
-1.4990371	0.64022189	condition[T.KO]	5.4419E-11	Trim27	0.19846678	0.43317972	1.5711E-06
-3.6594771	1.55335509	condition[T.KO]	5.466E-11	Gm9993	0.02470187	0.14362519	1.578E-06
-1.6841896	0.68553863	condition[T.KO]	5.556E-11	Tmem164	0.16269165	0.35714286	1.6039E-06
-1.1804053	0.57151747	condition[T.KO]	5.5596E-11	Rps6kl1	0.26320273	0.4969278	1.6049E-06
-2.2652182	0.86040819	condition[T.KO]	5.6662E-11	Slc16a6	0.09369676	0.26420891	1.6356E-06
-0.5743636	0.47158259	condition[T.KO]	5.6938E-11	Ppm1g	0.42589438	0.6843318	1.6435E-06
0.67447186	0.35875818	condition[T.KO]	5.7083E-11	Ptms	0.69420784	0.88325653	1.6476E-06
0.05752183	0.40186558	condition[T.KO]	5.7151E-11	Zeb1	0.59028961	0.83333333	1.6496E-06
-0.5821386	0.47254454	condition[T.KO]	5.7458E-11	Myo9b	0.42504259	0.68970814	1.6583E-06
-1.349735	0.60588477	condition[T.KO]	5.7658E-11	Brpf1	0.22487223	0.47081413	1.6641E-06
-0.2388484	0.43071041	condition[T.KO]	5.767E-11	Kank1	0.51448041	0.78955453	1.6644E-06
0.17898836	0.39160557	condition[T.KO]	5.7723E-11	Tjp1	0.63202726	0.86021505	1.6658E-06
-3.8972439	1.72279624	condition[T.KO]	5.7989E-11	Dab1	0.0153322	0.11674347	1.6735E-06
-0.6387693	0.48028782	condition[T.KO]	5.804E-11	Dot1l	0.41482112	0.6812596	1.6749E-06
0.4092501	0.37463456	condition[T.KO]	5.8228E-11	Hmgb1	0.66865417	0.8640553	1.6802E-06
-0.898629	0.52006251	condition[T.KO]	5.8291E-11	Mrps22	0.32708688	0.57757296	1.682E-06
-0.6081144	0.47590566	condition[T.KO]	5.8595E-11	Dcakd	0.42759796	0.68202765	1.6907E-06
-1.4014247	0.61693925	condition[T.KO]	5.8757E-11	Tmem109	0.22402044	0.46390169	1.6953E-06
-0.1146417	0.41766018	condition[T.KO]	5.8816E-11	Chd2	0.54855196	0.79723502	1.6969E-06
0.25318461	0.38566841	condition[T.KO]	5.8837E-11	Dnaaf9	0.6362862	0.8655914	1.6975E-06
-0.5751899	0.47133823	condition[T.KO]	5.8942E-11	Strn4	0.4241908	0.69738863	1.7005E-06
-0.0913772	0.41535355	condition[T.KO]	5.8944E-11	Pcyt2	0.56729131	0.81797235	1.7005E-06
-1.5956443	0.66231295	condition[T.KO]	5.9027E-11	Dus2	0.18143101	0.40860215	1.7028E-06
-2.0576764	0.7911378	condition[T.KO]	5.9078E-11	Srcap	0.12180579	0.30337942	1.7042E-06

-1.0319007	0.54288111	condition[T.KO]	5.9249E-11	Sipa1l3	0.2955707	0.546851	1.7091E-06
-0.9011555	0.5202728	condition[T.KO]	5.9381E-11	Cpped1	0.32708688	0.59754224	1.7128E-06
-2.2300937	0.84730074	condition[T.KO]	5.9932E-11	Galnt18	0.0911414	0.23963134	1.7287E-06
-1.2191418	0.57817724	condition[T.KO]	6.0336E-11	Tesk2	0.25638842	0.5015361	1.7403E-06
-0.4048239	0.44924299	condition[T.KO]	6.0543E-11	Rnf216	0.46422487	0.74961598	1.7462E-06
-0.8308749	0.50861959	condition[T.KO]	6.0632E-11	Bcat2	0.34412266	0.60291859	1.7487E-06
-2.2584161	0.85674875	condition[T.KO]	6.0902E-11	Gm9911	0.10136286	0.27803379	1.7564E-06
-0.889518	0.51795738	condition[T.KO]	6.1475E-11	Ubald2	0.32879046	0.5952381	1.7729E-06
-2.2994242	0.87090786	condition[T.KO]	6.1501E-11	Bmp6	0.08603066	0.24193548	1.7736E-06
-1.8222439	0.72082119	condition[T.KO]	6.2308E-11	Dlg5	0.15502555	0.35330261	1.7968E-06
-0.8443113	0.51042296	condition[T.KO]	6.2525E-11	Naa10	0.35519591	0.59984639	1.803E-06
-0.9522705	0.52826979	condition[T.KO]	6.2689E-11	Pop4	0.31516184	0.56528418	1.8076E-06
-0.9775867	0.53255405	condition[T.KO]	6.3117E-11	Mesd	0.32197615	0.57910906	1.8199E-06
-0.4936527	0.45984733	condition[T.KO]	6.3406E-11	Med25	0.45570698	0.7250384	1.8282E-06
-0.6061558	0.47481294	condition[T.KO]	6.3414E-11	Rcor3	0.41056218	0.68740399	1.8283E-06
-1.7292023	0.69533592	condition[T.KO]	6.3538E-11	Pwp1	0.17035775	0.38095238	1.8319E-06
-0.6440297	0.48004883	condition[T.KO]	6.373E-11	Baz2a	0.39693356	0.66589862	1.8373E-06
-0.7507389	0.49548201	condition[T.KO]	6.472E-11	Agk	0.36882453	0.6374808	1.8658E-06
-0.5280839	0.46399445	condition[T.KO]	6.5411E-11	Fndc3a	0.43441227	0.71351767	1.8857E-06
-0.7021875	0.48813992	condition[T.KO]	6.5427E-11	Tor1aip1	0.39011925	0.66282642	1.8861E-06
-0.8960386	0.51829648	condition[T.KO]	6.5623E-11	Prr14	0.33901193	0.61520737	1.8917E-06
-0.693045	0.48674423	condition[T.KO]	6.5795E-11	Smarcad1	0.38330494	0.66436252	1.8965E-06
-0.063607	0.41166301	condition[T.KO]	6.5833E-11	Cdkn2d	0.55962521	0.7749616	1.8976E-06
-0.0494659	0.41031353	condition[T.KO]	6.589E-11	Ramac	0.56473595	0.76958525	1.8992E-06
-0.6395521	0.47896992	condition[T.KO]	6.65E-11	Kcnt1	0.40630324	0.66973886	1.9167E-06
-0.4776489	0.45731111	condition[T.KO]	6.66E-11	Kmt5b	0.45144804	0.73348694	1.9195E-06
0.02766671	0.40311051	condition[T.KO]	6.6795E-11	Sh3glb1	0.58943782	0.83794163	1.925E-06
-1.5022267	0.63816188	condition[T.KO]	6.6826E-11	Zfp282	0.20272572	0.42780338	1.9259E-06
0.44993546	0.37074909	condition[T.KO]	6.7273E-11	Kif2a	0.67120954	0.86482335	1.9387E-06
-2.5738049	0.97240694	condition[T.KO]	6.8513E-11	Nr4a2	0.06729131	0.18740399	1.9743E-06
0.27285758	0.38287564	condition[T.KO]	6.8607E-11	Lypd1	0.33390119	0.53993856	1.977E-06
-1.2137631	0.57545743	condition[T.KO]	6.8861E-11	Atg7	0.25894378	0.5015361	1.9842E-06

-0.8682482	0.51320158	condition[T.KO]	6.8879E-11	Saysd1	0.34156729	0.60983103	1.9847E-06
-0.9867109	0.53303065	condition[T.KO]	6.9461E-11	Rpain	0.31345826	0.58218126	2.0014E-06
0.67325888	0.35713975	condition[T.KO]	7.037E-11	H3f3a	0.69420784	0.88402458	2.0275E-06
-1.2106281	0.57448249	condition[T.KO]	7.0833E-11	Rad50	0.25298126	0.48387097	2.0408E-06
-1.9874952	0.76643778	condition[T.KO]	7.1477E-11	Tmem39b	0.12776831	0.32642089	2.0592E-06
-1.1038357	0.55381348	condition[T.KO]	7.1494E-11	Sgcz	0.16183986	0.25960061	2.0597E-06
-0.6430757	0.4786941	condition[T.KO]	7.1559E-11	Mrpl9	0.40374787	0.64516129	2.0615E-06
-3.3108139	1.32733611	condition[T.KO]	7.1603E-11	ENSMUSG000	0.03662692	0.15821813	2.0627E-06
-1.1191031	0.55665426	condition[T.KO]	7.1614E-11	Klhl29	0.27086882	0.49539171	2.0629E-06
-0.5924529	0.47166068	condition[T.KO]	7.1664E-11	Aph1a	0.4241908	0.70890937	2.0643E-06
-0.0545683	0.41000303	condition[T.KO]	7.1859E-11	Akap8l	0.57921635	0.82104455	2.0698E-06
-1.6924044	0.68390194	condition[T.KO]	7.1883E-11	Fam171a2	0.16780239	0.37711214	2.0704E-06
-3.5372059	1.46374074	condition[T.KO]	7.2845E-11	Grhl1	0.02810903	0.13978495	2.0981E-06
-0.6787071	-0.5625435	condition[T.KO]	7.2915E-11	Smpx	0.38160136	0.28955453	2.1E-06
0.4514029	0.36993378	condition[T.KO]	7.3345E-11	Syne1	0.64821124	0.86021505	2.1123E-06
-0.4429612	0.45198983	condition[T.KO]	7.3417E-11	Adamts6	0.42589438	0.69124424	2.1143E-06
-1.2138189	0.5744593	condition[T.KO]	7.466E-11	Coq8a	0.25383305	0.50076805	2.1501E-06
-0.9591714	0.52741486	condition[T.KO]	7.4815E-11	Oprl1	0.32197615	0.58064516	2.1544E-06
-1.7862536	0.70804444	condition[T.KO]	7.5382E-11	Rfc3	0.15587734	0.35560676	2.1707E-06
-0.5592155	0.46657721	condition[T.KO]	7.5944E-11	Nsrp1	0.42333901	0.69431644	2.1868E-06
-1.4697721	0.62885081	condition[T.KO]	7.6252E-11	Dcun1d3	0.20783646	0.41781874	2.1956E-06
-2.2972452	0.86618226	condition[T.KO]	7.6324E-11	Gm11944	0.09710392	0.25422427	2.1976E-06
-0.7219943	0.48939962	condition[T.KO]	7.6337E-11	Gtf2e2	0.38245315	0.65284178	2.1979E-06
-1.0399638	0.54121256	condition[T.KO]	7.7171E-11	Whamm	0.2955707	0.55222734	2.2218E-06
-0.4292392	0.44977874	condition[T.KO]	7.736E-11	Slc7a8	0.43611584	0.67357911	2.2272E-06
-2.5690803	0.96799807	condition[T.KO]	7.7468E-11	Zbtb11os1	0.07495741	0.2235023	2.2302E-06
-2.02495	0.77648812	condition[T.KO]	7.7491E-11	Tirap	0.12350937	0.31182796	2.2308E-06
-0.2350536	0.42748349	condition[T.KO]	7.7558E-11	Emb	0.49829642	0.76267281	2.2327E-06
-1.7417395	0.6956394	condition[T.KO]	7.7792E-11	Gm36201	0.15672913	0.33794163	2.2393E-06
0.58213737	0.36137275	condition[T.KO]	7.838E-11	Rpl27	0.67632027	0.87403994	2.2562E-06
-0.8350185	0.506407	condition[T.KO]	7.8513E-11	9130401M01	0.35264055	0.593702	2.2599E-06
-1.3259549	0.59671436	condition[T.KO]	7.905E-11	Gm20696	0.23850085	0.46006144	2.2753E-06

0.17419286	0.38922539	condition[T.KO]	7.9211E-11	Gpx1	0.59965928	0.83256528	2.2798E-06
-0.4312738	0.44977152	condition[T.KO]	7.9369E-11	Acaa1a	0.47359455	0.73886329	2.2843E-06
-0.5104583	0.45970088	condition[T.KO]	7.9582E-11	Uhrf2	0.43100511	0.71274962	2.2904E-06
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-1.1862053	0.56801463	condition[T.KO]	8.0952E-11	Gas1	0.23594549	0.45852535	2.3296E-06
-0.4637845	0.45356965	condition[T.KO]	8.1174E-11	Taf15	0.45144804	0.73041475	2.3359E-06
-0.9942794	0.53246627	condition[T.KO]	8.1643E-11	Cep295	0.31345826	0.55990783	2.3494E-06
-1.0756413	0.54694151	condition[T.KO]	8.2092E-11	Fndc3b	0.27768313	0.52534562	2.3622E-06
-1.1419127	0.55927511	condition[T.KO]	8.231E-11	Tmem115	0.27938671	0.52611367	2.3684E-06
-0.2861374	0.43246501	condition[T.KO]	8.2479E-11	Fam120b	0.52214651	0.76267281	2.3732E-06
0.22712823	0.384717	condition[T.KO]	8.2641E-11	1110004F10F	0.63543441	0.84715822	2.3778E-06
-0.9344111	0.5220644	condition[T.KO]	8.266E-11	Eola1	0.31431005	0.56298003	2.3782E-06
-4.3774759	2.11991445	condition[T.KO]	8.3274E-11	Gm48099	0.01277683	0.11981567	2.3958E-06
-0.6891846	0.4836177	condition[T.KO]	8.3644E-11	Mcu	0.37819421	0.64208909	2.4064E-06
-1.6861592	0.68003389	condition[T.KO]	8.3844E-11	Fam3a	0.17291312	0.38863287	2.412E-06
-0.927136	0.520657	condition[T.KO]	8.4011E-11	Surf4	0.33049404	0.593702	2.4167E-06
-0.9618089	0.52651064	condition[T.KO]	8.4115E-11	Etfrf1	0.31431005	0.57296467	2.4196E-06
-0.442878	0.45052764	condition[T.KO]	8.4851E-11	Nrip1	0.45655877	0.7311828	2.4407E-06
-0.0249549	0.40567875	condition[T.KO]	8.5214E-11	Eea1	0.56899489	0.81259601	2.4511E-06
0.39159978	0.3726006	condition[T.KO]	8.5419E-11	Dnmt3a	0.65587734	0.87250384	2.4569E-06
-0.3905831	0.44412138	condition[T.KO]	8.5468E-11	Mtor	0.49148211	0.74731183	2.4582E-06
-1.3587269	0.60264104	condition[T.KO]	8.5726E-11	Slc44a2	0.23168654	0.46543779	2.4656E-06
-0.6220401	0.47377469	condition[T.KO]	8.6361E-11	Armh3	0.40374787	0.67511521	2.4837E-06
0.28053911	0.38027627	condition[T.KO]	8.689E-11	Acat1	0.64650767	0.85483871	2.4989E-06
-0.4514288	0.45132481	condition[T.KO]	8.7066E-11	Adgrb3	0.41993186	0.65514593	2.5038E-06
-0.1477604	0.41720795	condition[T.KO]	8.8097E-11	Txnrd1	0.55451448	0.76113671	2.5334E-06
-0.6545555	0.47807218	condition[T.KO]	8.8438E-11	Wipf2	0.39437819	0.66129032	2.5431E-06
-1.869455	0.72845435	condition[T.KO]	8.9278E-11	Chdh	0.14224872	0.33870968	2.5672E-06
-0.4505059	0.45086558	condition[T.KO]	9.0099E-11	Zfp950	0.45911414	0.71735791	2.5907E-06
-2.0819532	0.79161573	condition[T.KO]	9.0298E-11	Nln	0.11839864	0.29877112	2.5963E-06
-0.103882	0.41262626	condition[T.KO]	9.0345E-11	Borcs7	0.55195911	0.76651306	2.5976E-06
-0.310769	0.43414256	condition[T.KO]	9.2138E-11	Rpl13a	0.49744463	0.7265745	2.6491E-06

-1.5550279	0.64618179	condition[T.KO]	9.2141E-11	Rnf2	0.19250426	0.4109063	2.6491E-06
-1.4020026	0.61099528	condition[T.KO]	9.281E-11	Patz1	0.2197615	0.4516129	2.6682E-06
-0.6342015	0.4746624	condition[T.KO]	9.3175E-11	Chd1	0.4088586	0.67588326	2.6786E-06
-1.1292366	0.55535447	condition[T.KO]	9.3209E-11	Rce1	0.28279387	0.52841782	2.6795E-06
-1.3845696	0.60712359	condition[T.KO]	9.3219E-11	Dnajc17	0.22827939	0.47388633	2.6797E-06
-1.8343318	0.71794768	condition[T.KO]	9.3295E-11	Rfx1	0.14735945	0.34869432	2.6818E-06
-0.1640601	0.41830377	condition[T.KO]	9.3429E-11	Nfx1	0.54855196	0.80491551	2.6855E-06
-0.5433227	0.46231245	condition[T.KO]	9.3616E-11	Ccnt1	0.43781942	0.71428571	2.6908E-06
0.17306295	0.38776622	condition[T.KO]	9.4484E-11	Zcchc17	0.62350937	0.82642089	2.7157E-06
-0.3245637	0.43529863	condition[T.KO]	9.6023E-11	Cdk2ap1	0.49403748	0.73425499	2.7598E-06
-0.5459292	0.46238761	condition[T.KO]	9.607E-11	Jazf1	0.42333901	0.67511521	2.761E-06
-1.595878	0.655434	condition[T.KO]	9.6219E-11	Col5a2	0.15843271	0.37557604	2.7652E-06
0.25300988	0.38142423	condition[T.KO]	9.6347E-11	Bcap31	0.65076661	0.87019969	2.7688E-06
-1.6149048	0.66002004	condition[T.KO]	9.6767E-11	Trim11	0.18313458	0.40706605	2.7808E-06
-0.6331802	0.47411799	condition[T.KO]	9.6782E-11	Tmem130	0.40715503	0.6797235	2.7811E-06
-0.0267733	0.40462861	condition[T.KO]	9.7345E-11	Chpt1	0.57069847	0.83410138	2.7972E-06
-0.6733293	0.47969255	condition[T.KO]	9.7547E-11	Gtf2h1	0.39948893	0.66359447	2.8029E-06
-1.2302721	0.57433903	condition[T.KO]	9.7812E-11	Carns1	0.24787053	0.48694316	2.8104E-06
-0.3896048	0.44249659	condition[T.KO]	9.9479E-11	Plekhm2	0.48977853	0.75422427	2.8582E-06
-0.0308775	0.40477117	condition[T.KO]	9.9882E-11	Zfp644	0.57495741	0.81643625	2.8697E-06
-0.7103468	0.48476968	condition[T.KO]	9.9999E-11	Gng2	0.35264055	0.64362519	2.873E-06
-0.0972632	0.41097869	condition[T.KO]	1.0064E-10	Slc44a1	0.57155026	0.82949309	2.8914E-06
-0.2991467	0.43196102	condition[T.KO]	1.0084E-10	Smarcc1	0.50511073	0.75422427	2.8969E-06
-1.0627989	0.54202856	condition[T.KO]	1.0176E-10	Snta1	0.29045997	0.54454685	2.9232E-06
-0.7825419	0.49531867	condition[T.KO]	1.0216E-10	Kif13b	0.35860307	0.62749616	2.9345E-06
-0.4246473	0.44639914	condition[T.KO]	1.0251E-10	Ubac2	0.46507666	0.74731183	2.9445E-06
-1.9997779	0.7641451	condition[T.KO]	1.0293E-10	Abca8a	0.11584327	0.28033794	2.9565E-06
-0.5971835	0.46844763	condition[T.KO]	1.0364E-10	Git2	0.42333901	0.68663594	2.9769E-06
-0.5523287	0.46241779	condition[T.KO]	1.0391E-10	Dnajc30	0.42589438	0.66973886	2.9844E-06
-0.2517896	0.42645149	condition[T.KO]	1.0419E-10	Mtcl1	0.5229983	0.77726575	2.9925E-06
-1.6959252	0.67932402	condition[T.KO]	1.0428E-10	Nipsnap3b	0.17035775	0.37250384	2.995E-06
-2.2314303	0.83766	condition[T.KO]	1.0525E-10	Rpl3-ps1	0.10477002	0.27803379	3.0226E-06

-1.5782708	0.6497618	condition[T.KO]	1.0614E-10	Zfp553	0.18994889	0.40860215	3.0482E-06
-0.2739509	0.42864741	condition[T.KO]	1.065E-10	Tmem222	0.52555366	0.7734255	3.0583E-06
-0.844343	0.50446086	condition[T.KO]	1.0658E-10	Abcb8	0.34582624	0.61827957	3.0606E-06
-1.7169885	0.6843735	condition[T.KO]	1.0707E-10	Arntl	0.16269165	0.37019969	3.0745E-06
-1.2566722	0.57847059	condition[T.KO]	1.0722E-10	Gm12940	0.25042589	0.47619048	3.0787E-06
-0.2733095	0.42851155	condition[T.KO]	1.0722E-10	Cnot3	0.52555366	0.76804916	3.0787E-06
-2.3726425	0.8864882	condition[T.KO]	1.0844E-10	Tuba1c	0.07155026	0.23425499	3.1135E-06
-0.1215716	0.41264424	condition[T.KO]	1.0855E-10	Brd8	0.56218058	0.80491551	3.1166E-06
-0.7261813	0.48611456	condition[T.KO]	1.0941E-10	2510002D24f	0.37393526	0.61751152	3.1412E-06
-1.0465059	0.53822213	condition[T.KO]	1.0947E-10	Rmdn3	0.30494037	0.56528418	3.1429E-06
-0.5765398	0.46495265	condition[T.KO]	1.1093E-10	1110038F14F	0.42844974	0.6812596	3.1845E-06
-0.214123	0.42180218	condition[T.KO]	1.114E-10	Nub1	0.53918228	0.78264209	3.1981E-06
-1.4389374	0.61654799	condition[T.KO]	1.1284E-10	Bbof1	0.21294719	0.43010753	3.2391E-06
-0.4851851	0.45277541	condition[T.KO]	1.1434E-10	Snhg4	0.43611584	0.67741935	3.2822E-06
-1.5240408	0.63579741	condition[T.KO]	1.1458E-10	Tmem62	0.20272572	0.42857143	3.2888E-06
-0.6073048	0.46868196	condition[T.KO]	1.1552E-10	Eif2ak1	0.40715503	0.68049155	3.3157E-06
-1.828312	0.71283344	condition[T.KO]	1.1649E-10	Rpia	0.14480409	0.34254992	3.3435E-06
-1.366126	0.60012456	condition[T.KO]	1.1698E-10	Mvk	0.22827939	0.453149	3.3574E-06
-0.6189976	0.47000399	condition[T.KO]	1.1859E-10	Kdm5c	0.41396934	0.68509985	3.4036E-06
-1.503721	0.63046152	condition[T.KO]	1.197E-10	Rrp9	0.20017036	0.42165899	3.4352E-06
-0.35026	0.43605027	condition[T.KO]	1.1988E-10	Cbx4	0.48977853	0.73886329	3.4402E-06
-2.0527419	0.77765198	condition[T.KO]	1.2034E-10	9430038I01R	0.12010221	0.30568356	3.4535E-06
-1.0342296	0.53483022	condition[T.KO]	1.2109E-10	Mccc1	0.30153322	0.56374808	3.4749E-06
-2.020174	0.76756169	condition[T.KO]	1.2136E-10	Fnbp1l	0.11584327	0.29877112	3.4825E-06
-0.680197	0.47832311	condition[T.KO]	1.2138E-10	Ccs	0.39352641	0.66820276	3.483E-06
-2.406365	0.89644333	condition[T.KO]	1.2243E-10	Sspn	0.08688245	0.24500768	3.5129E-06
-1.8431745	0.71614191	condition[T.KO]	1.2252E-10	Arntl2	0.14821124	0.32872504	3.5155E-06
-1.0801762	0.54293784	condition[T.KO]	1.2255E-10	Wdr83	0.28875639	0.53686636	3.5162E-06
-0.9353104	0.51762217	condition[T.KO]	1.2304E-10	Mrgbp	0.32879046	0.58678955	3.53E-06
0.0701663	0.39385663	condition[T.KO]	1.2357E-10	BC005624	0.61243612	0.81490015	3.5452E-06
-0.8887052	0.50982528	condition[T.KO]	1.2436E-10	2900079G21f	0.29471891	0.49923195	3.5676E-06
-1.2691891	0.57904399	condition[T.KO]	1.2492E-10	Brf1	0.24616695	0.49308756	3.5837E-06

-2.3111653	0.86189876	condition[T.KO]	1.2514E-10	Efemp2	0.09540034	0.26651306	3.5899E-06
-2.4134002	0.89843276	condition[T.KO]	1.2624E-10	Pacc1	0.08773424	0.24731183	3.6213E-06
-0.1010108	0.40911601	condition[T.KO]	1.2772E-10	Retreg2	0.57069847	0.81029186	3.6635E-06
-0.9040193	0.51200978	condition[T.KO]	1.2779E-10	Cep250	0.3330494	0.58986175	3.6654E-06
-0.0881163	0.40783479	condition[T.KO]	1.2828E-10	Safb	0.56984668	0.8187404	3.6794E-06
-0.2360948	0.42264332	condition[T.KO]	1.2991E-10	Sin3b	0.53151618	0.79569892	3.7258E-06
-0.5332228	0.45754022	condition[T.KO]	1.3065E-10	Tmem240	0.43867121	0.70199693	3.7472E-06
0.03287708	0.39644634	condition[T.KO]	1.3255E-10	Parm1	0.54770017	0.81797235	3.8013E-06
-0.3436563	0.43429396	condition[T.KO]	1.326E-10	Rpl7l1	0.49744463	0.74654378	3.8026E-06
-1.1415779	0.55331659	condition[T.KO]	1.3286E-10	Parp9	0.26235094	0.49155146	3.8101E-06
-1.4777777	0.62305812	condition[T.KO]	1.3292E-10	Sirt1	0.20187394	0.42319508	3.8118E-06
0.23483125	0.3799552	condition[T.KO]	1.3331E-10	Myt1l	0.63373083	0.83717358	3.8228E-06
-1.4884249	0.62543414	condition[T.KO]	1.3344E-10	Tfe3	0.20528109	0.41705069	3.8261E-06
-0.572718	0.46247347	condition[T.KO]	1.3385E-10	Ssbp4	0.4241908	0.65745008	3.8378E-06
-0.8860022	0.50854042	condition[T.KO]	1.339E-10	Gnai3	0.34752981	0.59984639	3.8392E-06
-1.7726745	0.69557625	condition[T.KO]	1.3439E-10	B230206H07I	0.15672913	0.35407066	3.8532E-06
-1.6763199	0.67053862	condition[T.KO]	1.3465E-10	Pbx4	0.1746167	0.37941628	3.8604E-06
-0.9345782	-0.6174286	condition[T.KO]	1.3484E-10	Plaat1	0.32367973	0.2250384	3.8658E-06
-0.8816485	0.50774808	condition[T.KO]	1.3494E-10	Coq10b	0.32879046	0.5921659	3.8686E-06
-0.6540975	0.47348164	condition[T.KO]	1.351E-10	Smg5	0.40204429	0.66589862	3.8728E-06
-0.1605656	0.41445024	condition[T.KO]	1.3522E-10	Arnt2	0.52640545	0.79953917	3.8762E-06
-0.8476553	0.50228967	condition[T.KO]	1.353E-10	A430005L14F	0.35008518	0.59600614	3.8784E-06
-0.4051634	0.44113842	condition[T.KO]	1.3703E-10	Peli1	0.45911414	0.72734255	3.9278E-06
-4.2523127	1.9818595	condition[T.KO]	1.3751E-10	Gm49708	0.01448041	0.12058372	3.9414E-06
-1.6494101	0.66344504	condition[T.KO]	1.3774E-10	Scrn2	0.17887564	0.38786482	3.948E-06
-4.3392196	2.06049445	condition[T.KO]	1.3917E-10	Nme3	0.01277683	0.12288786	3.9887E-06
-1.9819804	0.75380993	condition[T.KO]	1.3942E-10	Asl	0.13373083	0.3141321	3.9959E-06
-0.6949809	0.47889337	condition[T.KO]	1.4002E-10	Ankrd26	0.38415673	0.61904762	4.0129E-06
-1.2392394	0.57154428	condition[T.KO]	1.4023E-10	Ercc5	0.24701874	0.4984639	4.0186E-06
-0.2895947	0.42762851	condition[T.KO]	1.4099E-10	Dek	0.48211244	0.76574501	4.0403E-06
-0.8687769	0.50513539	condition[T.KO]	1.4153E-10	Larp7	0.33986371	0.58832565	4.0557E-06
-1.1827681	0.56036059	condition[T.KO]	1.4167E-10	Cinp	0.2649063	0.50844854	4.0595E-06

-3.0293181	1.15933928	condition[T.KO]	1.4274E-10	Slc1a6	0.04684838	0.1812596	4.09E-06
-1.1367882	0.55149068	condition[T.KO]	1.4318E-10	Zfp941	0.27427598	0.49923195	4.1024E-06
-0.3772778	0.43736226	condition[T.KO]	1.4388E-10	Cnot10	0.48296422	0.74961598	4.1226E-06
-0.3113807	0.4298191	condition[T.KO]	1.4422E-10	Creb1	0.50936968	0.75422427	4.1321E-06
-1.0077717	0.52806714	condition[T.KO]	1.4464E-10	Smpd4	0.31175468	0.56682028	4.144E-06
-1.6629764	0.66608676	condition[T.KO]	1.4495E-10	Gm44511	0.17206133	0.36943164	4.1527E-06
-0.2826631	0.42659491	condition[T.KO]	1.4498E-10	Surf1	0.51107325	0.73655914	4.1533E-06
-1.7174302	0.67994106	condition[T.KO]	1.4499E-10	Kctd5	0.16950596	0.37634409	4.1534E-06
-0.6392875	0.47065508	condition[T.KO]	1.4507E-10	Mmp15	0.40459966	0.67127496	4.1556E-06
-2.1017856	0.78969513	condition[T.KO]	1.4524E-10	Zfp641	0.11754685	0.29569892	4.1605E-06
-1.3471166	0.59315565	condition[T.KO]	1.4581E-10	Stard8	0.22316865	0.44393241	4.1765E-06
-0.3984797	0.43968056	condition[T.KO]	1.4638E-10	Hikeshi	0.48722317	0.7296467	4.1928E-06
-0.7934308	0.49295484	condition[T.KO]	1.4674E-10	Ranbp3	0.35775128	0.62365591	4.2029E-06
-0.6291079	0.46912511	condition[T.KO]	1.4676E-10	Pccb	0.41908007	0.6827957	4.2035E-06
-1.6853106	0.67140184	condition[T.KO]	1.4811E-10	Mpp2	0.17546848	0.37250384	4.2417E-06
-0.3978008	0.43941096	condition[T.KO]	1.4916E-10	Pdia4	0.48126065	0.74654378	4.2718E-06
-1.1150068	0.54687485	condition[T.KO]	1.4981E-10	Slc35f3	0.27427598	0.50921659	4.2902E-06
-3.9074722	1.69599132	condition[T.KO]	1.4993E-10	Tfap2a	0.02044293	0.12442396	4.2936E-06
0.06932634	0.39208567	condition[T.KO]	1.5144E-10	Gcc2	0.60136286	0.82718894	4.3366E-06
-0.6720969	0.47476051	condition[T.KO]	1.5176E-10	Ankrd13b	0.40204429	0.65284178	4.3455E-06
-0.9074432	0.51058405	condition[T.KO]	1.5179E-10	Ahctf1	0.32708688	0.59754224	4.3464E-06
-1.5475881	0.63730019	condition[T.KO]	1.5244E-10	Zfp933	0.19080068	0.4124424	4.3648E-06
-1.4375367	0.61198339	condition[T.KO]	1.5413E-10	Pold3	0.21294719	0.43087558	4.413E-06
-0.6164909	0.46680728	condition[T.KO]	1.551E-10	Creg1	0.39863714	0.68663594	4.4407E-06
-1.2905918	0.58058976	condition[T.KO]	1.552E-10	Snap23	0.23764906	0.48463902	4.4432E-06
0.03367022	0.39489186	condition[T.KO]	1.5594E-10	Exoc3	0.59710392	0.8218126	4.4644E-06
-1.8361147	0.71039436	condition[T.KO]	1.5608E-10	B3galt6	0.15076661	0.35253456	4.4683E-06
-0.1626476	0.4132642	condition[T.KO]	1.5655E-10	Dpp6	0.51362862	0.76728111	4.4816E-06
-0.4455349	0.44464481	condition[T.KO]	1.5665E-10	Tut7	0.45229983	0.72580645	4.4843E-06
0.32520123	0.37194242	condition[T.KO]	1.5724E-10	6330411D24f	0.60988075	0.81259601	4.5011E-06
-1.7190161	0.679124	condition[T.KO]	1.5727E-10	Adcy6	0.17035775	0.36635945	4.5018E-06
-3.9944836	1.76080534	condition[T.KO]	1.5768E-10	Rnasek	0.01873935	0.12365591	4.5132E-06

-0.3402697	0.43208034	condition[T.KO]	1.594E-10	C2cd5	0.5	0.75345622	4.5623E-06
-0.2658624	0.42380193	condition[T.KO]	1.6005E-10	Arhgef2	0.51107325	0.75499232	4.5808E-06
-1.5950909	0.64769388	condition[T.KO]	1.627E-10	Tpm4	0.17802385	0.38863287	4.6564E-06
-0.764276	0.48734292	condition[T.KO]	1.6353E-10	Gpr107	0.36456559	0.65591398	4.68E-06
-0.8630799	0.50255473	condition[T.KO]	1.6383E-10	Aatf	0.33475298	0.61059908	4.6886E-06
-0.595804	0.46341292	condition[T.KO]	1.6401E-10	Stambpl1	0.41311755	0.67665131	4.6934E-06
-0.4040071	0.43913914	condition[T.KO]	1.648E-10	Erh	0.47785349	0.64132104	4.7158E-06
0.0141738	0.39609527	condition[T.KO]	1.6484E-10	Zfp664	0.58517888	0.82949309	4.7169E-06
0.47836321	0.36141354	condition[T.KO]	1.6496E-10	Prnp	0.68057922	0.87788018	4.72E-06
-1.2139704	0.56445459	condition[T.KO]	1.6539E-10	Gar1	0.25553663	0.49615975	4.7324E-06
-0.4677689	0.44681283	condition[T.KO]	1.6548E-10	Dido1	0.45655877	0.73195084	4.7346E-06
-0.731014	0.48228991	condition[T.KO]	1.6549E-10	Tshz1	0.3713799	0.60752688	4.7347E-06
-1.4550413	0.61489127	condition[T.KO]	1.6564E-10	Xrcc6	0.20783646	0.42933948	4.739E-06
-1.4401376	0.6114817	condition[T.KO]	1.6675E-10	Adgrb2	0.21635434	0.42626728	4.7705E-06
-1.1717545	0.55612949	condition[T.KO]	1.677E-10	Aldh9a1	0.26746167	0.50537634	4.7975E-06
-1.7385904	0.68311322	condition[T.KO]	1.6891E-10	Cep57l1	0.16269165	0.35407066	4.8321E-06
-0.8749003	0.50406326	condition[T.KO]	1.6929E-10	Fcf1	0.33986371	0.57603687	4.8428E-06
-1.8135835	0.70293957	condition[T.KO]	1.6974E-10	Rel	0.14565588	0.33563748	4.8555E-06
-2.5773637	0.95504118	condition[T.KO]	1.7004E-10	D830024N08	0.07495741	0.20737327	4.8639E-06
-0.8116292	0.49395829	condition[T.KO]	1.72E-10	Heatr3	0.35860307	0.61904762	4.9197E-06
-0.6850835	0.47523086	condition[T.KO]	1.7217E-10	Surf2	0.39182283	0.64592934	4.9243E-06
-1.2624664	0.5734508	condition[T.KO]	1.7341E-10	Atf1	0.24531516	0.49308756	4.9598E-06
-0.691796	0.47610173	condition[T.KO]	1.7351E-10	Pim3	0.38415673	0.61904762	4.9625E-06
-0.178534	0.41384339	condition[T.KO]	1.7423E-10	Carmil1	0.52981261	0.77572965	4.9828E-06
-0.9694611	0.51918974	condition[T.KO]	1.7569E-10	Gart	0.32708688	0.56451613	5.0243E-06
-0.1334255	0.40918536	condition[T.KO]	1.7713E-10	Ythdc1	0.55962521	0.79646697	5.0654E-06
-0.8685547	0.50244448	condition[T.KO]	1.7847E-10	Rnf8	0.34582624	0.60291859	5.1036E-06
-0.6053017	0.46374081	condition[T.KO]	1.7933E-10	Ppp1cc	0.40800681	0.64285714	5.1281E-06
-1.0274916	0.52878431	condition[T.KO]	1.8156E-10	C2cd2	0.30408859	0.55606759	5.1914E-06
-0.8533196	0.49981555	condition[T.KO]	1.8187E-10	Calcoco1	0.35349233	0.59831029	5.2001E-06
-0.0401994	0.40007494	condition[T.KO]	1.8205E-10	Dstyky	0.5834753	0.80721966	5.2051E-06
-1.1464311	0.55030176	condition[T.KO]	1.8217E-10	Ftsj3	0.27683135	0.51228879	5.2085E-06

-0.6802027	0.47389898	condition[T.KO]	1.8258E-10	Phf12	0.39522998	0.66820276	5.22E-06
-0.5430843	0.45529622	condition[T.KO]	1.8305E-10	Ift43	0.44037479	0.69662058	5.2331E-06
-1.3787206	0.59680318	condition[T.KO]	1.8346E-10	Tmeff1	0.22402044	0.44854071	5.2447E-06
-0.8489711	0.4989575	condition[T.KO]	1.8465E-10	Itfg2	0.34667802	0.59754224	5.2787E-06
-2.3419024	0.86524914	condition[T.KO]	1.8557E-10	Slc22a5	0.09199319	0.25268817	5.3047E-06
-0.7647198	0.48598646	condition[T.KO]	1.8581E-10	Smarce1	0.37308348	0.63056836	5.3113E-06
-0.1435761	0.40970877	condition[T.KO]	1.8621E-10	Nemf	0.55792164	0.80184332	5.3225E-06
-0.9979053	0.52332903	condition[T.KO]	1.8652E-10	Trnau1ap	0.31175468	0.57603687	5.3314E-06
-0.8845666	0.50448372	condition[T.KO]	1.8672E-10	Ntmt1	0.33816014	0.58832565	5.3367E-06
-0.5320345	0.45365911	condition[T.KO]	1.8676E-10	Igbp1	0.44037479	0.70353303	5.3379E-06
-0.263571	0.42201135	condition[T.KO]	1.8739E-10	Rab39b	0.51362862	0.74500768	5.3555E-06
-0.2342956	0.41889042	condition[T.KO]	1.8756E-10	Dohh	0.52214651	0.74039939	5.3602E-06
-1.1983022	0.55980453	condition[T.KO]	1.8763E-10	Psen2	0.26149915	0.50768049	5.3622E-06
-2.0217325	0.7605683	condition[T.KO]	1.8909E-10	Sox13	0.12606474	0.30721966	5.4036E-06
-0.1432368	0.40949614	condition[T.KO]	1.8973E-10	Fam193a	0.53407155	0.80952381	5.4218E-06
-0.9122241	0.508705	condition[T.KO]	1.9087E-10	Taok2	0.33390119	0.57373272	5.4543E-06
-0.4982349	0.44908563	condition[T.KO]	1.9178E-10	Cpt1c	0.44804089	0.71505376	5.4799E-06
-2.3146758	0.8550704	condition[T.KO]	1.9201E-10	Trip6	0.09454855	0.26113671	5.4862E-06
-1.610945	0.6490322	condition[T.KO]	1.9319E-10	C920021L13R	0.17717206	0.38940092	5.52E-06
-0.7648077	0.48547243	condition[T.KO]	1.9479E-10	Dhx29	0.36797274	0.61367127	5.5654E-06
-2.4926872	-1.8066639	condition[T.KO]	1.9491E-10	Asb11	0.07495741	0.01689708	5.5686E-06
-1.7606911	0.68657489	condition[T.KO]	1.9646E-10	Slc35f4	0.12947189	0.28878648	5.6126E-06
-0.9719382	0.51824069	condition[T.KO]	1.9719E-10	Ahdcd1	0.31771721	0.56298003	5.6333E-06
0.2787378	0.37326383	condition[T.KO]	1.9743E-10	Ankrd12	0.64310051	0.86789555	5.6401E-06
-2.2517895	0.83303125	condition[T.KO]	1.9745E-10	E130102H24f	0.10306644	0.26651306	5.6404E-06
-0.8151372	0.4928521	condition[T.KO]	1.9893E-10	Hyou1	0.3560477	0.60752688	5.6824E-06
-1.4779123	0.61743248	condition[T.KO]	1.9971E-10	Usp42	0.20187394	0.42780338	5.7046E-06
-0.5537374	0.45573907	condition[T.KO]	2.0016E-10	Lin7a	0.40289608	0.65668203	5.7171E-06
-0.6386217	0.4670677	condition[T.KO]	2.0078E-10	Ugdh	0.41311755	0.67741935	5.7347E-06
-0.2305643	0.41782357	condition[T.KO]	2.0101E-10	Med30	0.5153322	0.75576037	5.741E-06
-2.939672	1.1076949	condition[T.KO]	2.0126E-10	Dgkb	0.0451448	0.1390169	5.7479E-06
-2.9883534	1.13053119	condition[T.KO]	2.036E-10	Dynl1t2a2	0.05025554	0.17895545	5.8145E-06

-0.784432	0.48791503	condition[T.KO]	2.0364E-10	Srprb	0.3637138	0.64362519	5.8157E-06
-0.2749401	0.42237074	condition[T.KO]	2.0462E-10	Snx17	0.5306644	0.7688172	5.8434E-06
-1.3137138	0.58162629	condition[T.KO]	2.0578E-10	Idh1	0.2427598	0.47542243	5.8764E-06
-1.7486172	0.6826445	condition[T.KO]	2.0659E-10	Coq8b	0.16354344	0.3609831	5.8991E-06
-1.3836138	0.59622095	condition[T.KO]	2.0697E-10	ENSMUSG000	0.22998296	0.44009217	5.9098E-06
-2.1213573	0.78966337	condition[T.KO]	2.0705E-10	Ccdc51	0.1132879	0.29032258	5.912E-06
-2.8783005	1.07851906	condition[T.KO]	2.0797E-10	Gstm7	0.05621806	0.19201229	5.9379E-06
-0.7507707	0.4825035	condition[T.KO]	2.1093E-10	Ak2	0.3713799	0.6344086	6.0221E-06
-0.2504674	0.4194454	condition[T.KO]	2.1107E-10	Pcyox1	0.52129472	0.78494624	6.0259E-06
-1.0849332	0.53702219	condition[T.KO]	2.1343E-10	Usp28	0.29045997	0.52688172	6.0933E-06
-1.3308697	0.58468199	condition[T.KO]	2.1354E-10	Crem	0.23168654	0.45084485	6.0962E-06
-1.9703546	0.74327348	condition[T.KO]	2.1402E-10	Mrm2	0.13202726	0.31950845	6.1096E-06
-1.0996574	0.53962299	condition[T.KO]	2.1459E-10	Spata13	0.28194208	0.52534562	6.1257E-06
-0.179622	0.41191542	condition[T.KO]	2.1531E-10	Snrnp48	0.52981261	0.80030722	6.1459E-06
-1.3073889	0.57968808	condition[T.KO]	2.1598E-10	Cdk5rap3	0.24190801	0.48233487	6.1648E-06
-1.4105707	0.60135553	condition[T.KO]	2.1748E-10	Gm48226	0.21550256	0.44162826	6.2075E-06
-1.0816788	0.53610679	condition[T.KO]	2.1921E-10	Magt1	0.2879046	0.53763441	6.2568E-06
-1.2585151	0.56955611	condition[T.KO]	2.2024E-10	Pcsk7	0.25042589	0.48694316	6.286E-06
-0.3589796	0.43096041	condition[T.KO]	2.2055E-10	Zfp740	0.49659284	0.75268817	6.2946E-06
-1.2188273	0.56160406	condition[T.KO]	2.2254E-10	Acad8	0.26235094	0.51075269	6.3511E-06
-2.0149587	0.75572033	condition[T.KO]	2.2333E-10	4930431P19F	0.13117547	0.30645161	6.3733E-06
-0.6260356	0.46413554	condition[T.KO]	2.2461E-10	Ppargc1b	0.40204429	0.65130568	6.4096E-06
-0.7365587	0.47964642	condition[T.KO]	2.2607E-10	Xpo5	0.38841567	0.62596006	6.4511E-06
-0.4880497	0.44605453	condition[T.KO]	2.2708E-10	Usp20	0.44804089	0.70967742	6.4798E-06
-2.1484699	-1.2367635	condition[T.KO]	2.2739E-10	Egln3	0.10817717	0.04147465	6.4884E-06
-0.9854159	0.5188014	condition[T.KO]	2.2787E-10	Bicc1	0.29982964	0.5499232	6.5019E-06
-0.7044266	0.47489551	condition[T.KO]	2.283E-10	Gid8	0.39267462	0.62519201	6.5139E-06
-0.8134789	0.49094412	condition[T.KO]	2.3012E-10	Lrp10	0.35775128	0.61443932	6.5654E-06
-1.2647458	0.57016861	condition[T.KO]	2.3116E-10	Msra	0.23594549	0.4500768	6.5949E-06
-2.1143978	0.78550158	condition[T.KO]	2.3161E-10	Gm16599	0.1132879	0.28341014	6.6075E-06
-0.4661302	0.44310901	condition[T.KO]	2.3237E-10	Slc49a4	0.45570698	0.7296467	6.629E-06
-1.2955945	0.57628194	condition[T.KO]	2.3296E-10	Cxcr4	0.20954003	0.43317972	6.6455E-06

-1.4147161	0.60123574	condition[T.KO]	2.3427E-10	Med16	0.22146508	0.43625192	6.6829E-06
-0.9306062	0.50930932	condition[T.KO]	2.3439E-10	Ccdc115	0.32367973	0.55453149	6.6861E-06
-1.0833948	0.53552582	condition[T.KO]	2.3563E-10	Akr1b3	0.27938671	0.51152074	6.7211E-06
0.30391868	0.36989214	condition[T.KO]	2.3609E-10	Psenen	0.6592845	0.8640553	6.734E-06
-0.8823625	0.5013658	condition[T.KO]	2.3707E-10	4921524J17R	0.34156729	0.5952381	6.7618E-06
-0.0798595	0.40119242	condition[T.KO]	2.3916E-10	Tm9sf2	0.57836457	0.82258065	6.8211E-06
-2.0758938	0.77299044	condition[T.KO]	2.3918E-10	Fbxw17	0.12180579	0.30798771	6.8215E-06
-0.4543991	0.44132603	condition[T.KO]	2.4039E-10	Frg1	0.46081772	0.71735791	6.8558E-06
-0.6029704	0.46027488	condition[T.KO]	2.4074E-10	Virma	0.40374787	0.69508449	6.8655E-06
-0.9705401	0.51561365	condition[T.KO]	2.4109E-10	Rad17	0.31260647	0.57526882	6.8752E-06
-1.820097	0.69912773	condition[T.KO]	2.4186E-10	Rps11-ps1	0.1516184	0.34792627	6.8969E-06
-0.3413808	0.42794655	condition[T.KO]	2.4403E-10	Sptlc2	0.48892675	0.7734255	6.9585E-06
-0.5101701	0.44806428	condition[T.KO]	2.4422E-10	Nelfb	0.45144804	0.71812596	6.9637E-06
-0.389912	0.43344266	condition[T.KO]	2.4547E-10	Mapkapk2	0.48977853	0.74193548	6.9991E-06
-0.7440521	0.47979121	condition[T.KO]	2.4619E-10	2310011J03R	0.3713799	0.62980031	7.0193E-06
-0.2882975	0.42182637	condition[T.KO]	2.5023E-10	Pld3	0.52555366	0.78110599	7.1342E-06
-0.2259234	0.41517443	condition[T.KO]	2.5086E-10	Pnrc1	0.52214651	0.75652842	7.1519E-06
-0.7171258	0.47566072	condition[T.KO]	2.5118E-10	Hint3	0.37649063	0.6344086	7.1608E-06
0.53707785	0.35429809	condition[T.KO]	2.5131E-10	Nos1	0.67632027	0.87019969	7.1642E-06
-1.578098	0.63695263	condition[T.KO]	2.5782E-10	Mtrfr	0.17802385	0.38863287	7.3497E-06
0.10885325	0.38393488	condition[T.KO]	2.5809E-10	Pum1	0.61413969	0.85560676	7.3571E-06
-1.9784231	0.74241823	condition[T.KO]	2.593E-10	Smad7	0.12521295	0.28494624	7.3913E-06
-1.1581303	0.54805275	condition[T.KO]	2.5935E-10	Ppt2	0.2649063	0.52304147	7.3924E-06
-1.1733319	0.55088734	condition[T.KO]	2.5991E-10	Tbc1d22a	0.26746167	0.51689708	7.4083E-06
-0.2767363	0.41994241	condition[T.KO]	2.6675E-10	Derl1	0.51277683	0.79032258	7.6029E-06
1.13458642	0.32604449	condition[T.KO]	2.681E-10	Mt1	0.67887564	0.87941628	7.6412E-06
-0.9819817	0.51626544	condition[T.KO]	2.6825E-10	Mybbp1a	0.31345826	0.55145929	7.6451E-06
-0.1411992	0.40596201	condition[T.KO]	2.6866E-10	Bag5	0.54429302	0.77726575	7.6564E-06
-1.5642682	0.63296654	condition[T.KO]	2.71E-10	Usp53	0.18313458	0.38709677	7.7231E-06
-2.4988262	0.91497315	condition[T.KO]	2.7151E-10	Gm47644	0.08177172	0.2311828	7.7372E-06
-0.1348768	0.40522674	condition[T.KO]	2.7198E-10	Rsf1	0.54599659	0.80721966	7.7502E-06
-0.2371651	0.41543361	condition[T.KO]	2.7531E-10	Rbfox3	0.43356048	0.59831029	7.8449E-06

-3.1902439	1.22409229	condition[T.KO]	2.7576E-10	Gm47863	0.04088586	0.15745008	7.8576E-06
-2.9213469	1.09090637	condition[T.KO]	2.8244E-10	Tgif2	0.0528109	0.18894009	8.0475E-06
-0.4452115	0.43846652	condition[T.KO]	2.8466E-10	lft74	0.45315162	0.72043011	8.1105E-06
-2.4425821	0.89290454	condition[T.KO]	2.8713E-10	Lipe	0.0834753	0.24116743	8.1805E-06
0.30129008	0.36833191	condition[T.KO]	2.8781E-10	Rpl23a	0.65247019	0.86482335	8.1998E-06
-1.2913079	0.57241626	condition[T.KO]	2.9223E-10	Pigf	0.24446337	0.48310292	8.3254E-06
-0.1657563	0.4075314	condition[T.KO]	2.9342E-10	Tmem245	0.54003407	0.80491551	8.3589E-06
-4.1242854	1.84013617	condition[T.KO]	2.9354E-10	Olfml2b	0.0153322	0.11443932	8.362E-06
-0.0655395	0.39789177	condition[T.KO]	2.9428E-10	Unc50	0.58177172	0.83102919	8.3827E-06
-0.6337353	0.46218626	condition[T.KO]	2.9614E-10	Pnpla6	0.40204429	0.6812596	8.4356E-06
-0.4854166	0.44290196	condition[T.KO]	2.9768E-10	ENSMUSG000	0.44378194	0.66513057	8.479E-06
-1.661484	0.65498245	condition[T.KO]	2.9788E-10	Fdxr	0.17546848	0.38172043	8.4846E-06
-1.9387925	0.72860059	condition[T.KO]	2.9904E-10	Pprc1	0.13458262	0.32104455	8.5173E-06
-3.3340249	1.29972311	condition[T.KO]	3.0099E-10	ENSMUSG000	0.03577513	0.15745008	8.5724E-06
-1.0559578	0.52753577	condition[T.KO]	3.0321E-10	Armc9	0.29131175	0.54070661	8.6355E-06
-0.5976923	0.45686442	condition[T.KO]	3.0954E-10	Rae1	0.41567291	0.68894009	8.8155E-06
-0.8936846	0.49977374	condition[T.KO]	3.1719E-10	Ttyh2	0.32367973	0.58064516	9.033E-06
-0.5978325	0.45661174	condition[T.KO]	3.1742E-10	Creb3	0.42248722	0.67434716	9.0392E-06
-0.1611374	0.40629972	condition[T.KO]	3.1778E-10	B2m	0.51448041	0.79416283	9.0491E-06
-0.2162234	0.41181726	condition[T.KO]	3.189E-10	Eapp	0.55366269	0.76574501	9.0808E-06
-1.3038857	0.57368246	condition[T.KO]	3.2171E-10	Ccl25	0.23424191	0.47465438	9.1603E-06
-2.4118122	0.87930414	condition[T.KO]	3.2387E-10	Efnb1	0.08773424	0.24423963	9.2217E-06
0.0992344	0.38259323	condition[T.KO]	3.2556E-10	Acp1	0.60477002	0.79877112	9.2693E-06
-0.2186673	0.41184062	condition[T.KO]	3.2638E-10	Tet3	0.52640545	0.77803379	9.2923E-06
-3.7682553	1.56770486	condition[T.KO]	3.2663E-10	1700016P03F	0.0229983	0.10752688	9.299E-06
-0.5383112	0.44855496	condition[T.KO]	3.2682E-10	Ppil2	0.44463373	0.70276498	9.3042E-06
-3.4746082	1.37868409	condition[T.KO]	3.2803E-10	Gm49001	0.02981261	0.14669739	9.3382E-06
-2.905924	1.08008611	condition[T.KO]	3.2925E-10	ENSMUSG000	0.05366269	0.17281106	9.3727E-06
-0.4192954	0.43383435	condition[T.KO]	3.3053E-10	H1f10	0.45315162	0.67895545	9.409E-06
-0.5472891	0.4495524	condition[T.KO]	3.3148E-10	Angel2	0.42674617	0.70353303	9.4356E-06
-2.4894497	0.90725672	condition[T.KO]	3.3299E-10	Qpctl	0.08091993	0.23271889	9.4783E-06
0.26095392	0.36989467	condition[T.KO]	3.3394E-10	6820431F20F	0.64650767	0.86021505	9.5048E-06

-2.7745957	1.02139105	condition[T.KO]	3.3655E-10	Rp1	0.060477	0.19431644	9.5788E-06
-0.5157424	0.44529755	condition[T.KO]	3.3939E-10	Rab11fip3	0.44037479	0.71274962	9.6594E-06
-0.892202	0.49867643	condition[T.KO]	3.4132E-10	Hlcs	0.3330494	0.58141321	9.7139E-06
-0.9438302	0.50698366	condition[T.KO]	3.4255E-10	Fam214a	0.32197615	0.57066052	9.7487E-06
0.32390221	0.36519637	condition[T.KO]	3.4331E-10	Ehd3	0.64821124	0.84408602	9.77E-06
-1.9073479	0.71725846	condition[T.KO]	3.4697E-10	Tax1bp3	0.14054514	0.32642089	9.8736E-06
-0.5678597	0.45169497	condition[T.KO]	3.4774E-10	Psmg2	0.42759796	0.67665131	9.8952E-06