

Supplementary Figure 1

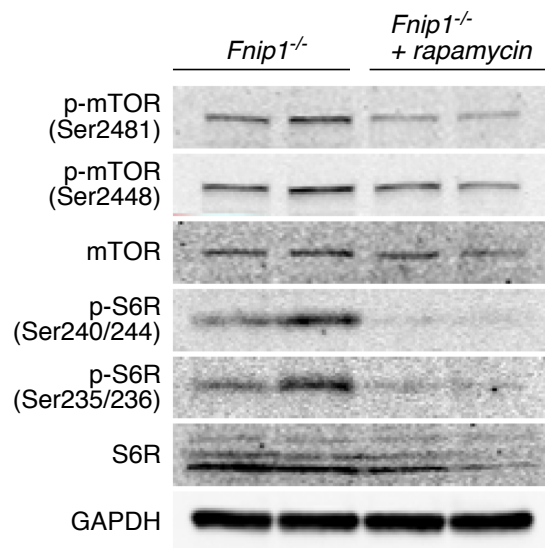


Figure S1: Western blot analysis of kidney cells isolated from *Fnip1*^{-/-} or *Fnip1*^{-/-} mice injected intraperitoneally with 2 mg/kg of rapamycin. Antibodies were specific for mTOR, phosphorylated serines 2481 and 2448 of mTOR, S6R, phosphorylated serines 240/244 and 235/236 of S6R, and GAPDH control.

Supplementary Figure 2

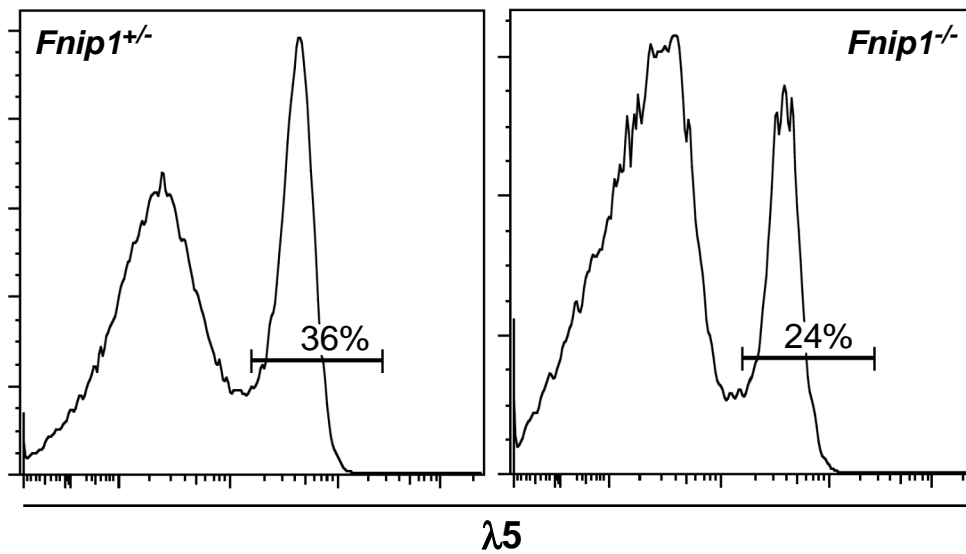


Figure S2: Flow cytometry analysis of lambda5 expression in pro-B cells (B220+CD25-IgM-) from *Fnip1^{+/-}* and *Fnip1^{-/-}* mice. Cells were stained with anti-CD25, IgM, B220, and intracellularly with anti- $\lambda 5$.

Table S1: transcriptome analysis of *Fnip1*^{+/+} and *Fnip1*^{-/-} pro-B cells (fractions C+C')
 FPKM units = fragments sequenced per kilobase per million
 Statistical significance (q values) was calculated with Cuffdiff (Cufflinks suite)

Gene	<i>Fnip1</i> ^{+/+} (FPKM)	<i>Fnip1</i> ^{-/-} (FPKM)	log2 fold change	q value	Significant
Ccr9	0.80	62.41	6.29	0.00E+00	yes
Gng4	0.23	17.11	6.22	0.00E+00	yes
Pgf	0.33	22.35	6.08	0.00E+00	yes
Il18r1	0.54	20.26	5.23	0.00E+00	yes
Nyx	3.03	88.54	4.87	0.00E+00	yes
Hpgds	0.37	10.58	4.86	0.00E+00	yes
Bhlhe40	1.12	26.18	4.55	0.00E+00	yes
Atp8a2	0.28	5.48	4.29	0.00E+00	yes
Cd33	0.49	9.15	4.23	0.00E+00	yes
Myl10	9.34	166.23	4.15	0.00E+00	yes
Myof	0.40	5.69	3.84	0.00E+00	yes
Prodh	2.85	39.90	3.81	0.00E+00	yes
Cxcr5	3.92	47.94	3.61	0.00E+00	yes
Al661453	0.57	6.49	3.50	0.00E+00	yes
Ppargc1a	0.85	7.60	3.16	0.00E+00	yes
Ehd3	1.18	10.22	3.12	0.00E+00	yes
Lzts2	2.01	17.07	3.09	0.00E+00	yes
Wnk2	0.63	5.21	3.06	0.00E+00	yes
Dnase1l3	1.59	12.68	3.00	0.00E+00	yes
Tcf7	4.44	34.77	2.97	0.00E+00	yes
Sulf2	2.89	19.54	2.76	0.00E+00	yes
Prkch	6.76	40.37	2.58	0.00E+00	yes
Tns1	1.39	7.50	2.43	0.00E+00	yes
Bcar3	6.43	33.26	2.37	0.00E+00	yes
Socs2	16.40	79.99	2.29	0.00E+00	yes
Dgcr6	11.92	56.01	2.23	0.00E+00	yes
Rragd	10.33	43.77	2.08	0.00E+00	yes
Zc3h12d	8.61	35.75	2.05	0.00E+00	yes
Trf	15.13	62.18	2.04	0.00E+00	yes
Cd72	139.68	55.85	-1.32	0.00E+00	yes
Fcrla	120.41	44.69	-1.43	0.00E+00	yes
Ralgs2	25.24	7.47	-1.76	0.00E+00	yes

9830001H06Ri	6.81	1.25	-2.45	0.00E+00	yes
Cd74	55.50	10.06	-2.46	0.00E+00	yes
Cpm	31.09	4.90	-2.66	0.00E+00	yes
Cd22	38.66	5.06	-2.93	0.00E+00	yes
Klf2	24.46	2.50	-3.29	0.00E+00	yes
Il2ra	10.88	1.03	-3.40	0.00E+00	yes
Gas7	28.37	2.08	-3.77	0.00E+00	yes
Rasgrp1	11.95	0.83	-3.85	0.00E+00	yes
Adam19	9.24	0.51	-4.17	0.00E+00	yes
Tbc1d24	0.00	6.26	1.79769e+	2.07E-20	yes
Mrgpre	4.53	20.35	2.17	7.34E-14	yes
Lmo4	77.08	22.82	-1.76	7.34E-14	yes
Serpina3g	0.91	11.41	3.65	2.87E-13	yes
Kremen1	6.25	22.41	1.84	3.43E-13	yes
Ciita	6.96	0.90	-2.95	3.43E-13	yes
Serpina3f	1.81	17.40	3.27	4.03E-13	yes
Csf2rb	3.31	14.98	2.18	5.93E-13	yes
Gpr12	10.38	0.50	-4.38	6.46E-13	yes
Dtx4	1.14	7.09	2.64	7.45E-13	yes
Ms4a1	21.63	3.33	-2.70	7.45E-13	yes
Dclk2	6.35	0.00	-1.79769e-	9.09E-13	yes
Fzd6	3.37	16.14	2.26	1.20E-12	yes
Tcirg1	61.93	136.34	1.14	1.23E-12	yes
Tmem90a	0.30	6.14	4.37	1.44E-12	yes
Blk	57.86	17.44	-1.73	1.70E-12	yes
Cish	2.54	16.89	2.73	2.17E-12	yes
Aldh3b1	5.53	27.45	2.31	2.63E-12	yes
Sell	50.92	15.28	-1.74	3.93E-12	yes
Lat	15.00	58.02	1.95	4.55E-12	yes
Slc45a4	9.45	27.66	1.55	4.74E-12	yes
Tnfrsf26	5.38	24.44	2.18	4.76E-12	yes
Mpzl2	0.22	4.71	4.39	7.97E-12	yes
Epcam	0.22	6.61	4.94	1.23E-11	yes
Btla	9.32	1.33	-2.81	1.23E-11	yes
Cul9	1.82	7.49	2.04	1.82E-11	yes
Gsn	58.62	19.59	-1.58	1.96E-11	yes
Tnk2	23.06	7.95	-1.54	2.84E-11	yes
Kcnf1	0.11	2.77	4.64	3.75E-11	yes
Ltb	13.62	55.33	2.02	7.18E-11	yes
Vipr1	0.08	2.79	5.08	8.35E-11	yes
Klhl14	2.98	0.23	-3.68	1.02E-10	yes
Ikzf3	53.46	17.58	-1.60	1.92E-10	yes

Prss23	0.64	5.62	3.13	2.88E-10	yes
Gns	18.19	49.39	1.44	3.11E-10	yes
Sh2d5	7.97	26.97	1.76	3.29E-10	yes
Grap2	6.17	22.23	1.85	3.86E-10	yes
Pik3c2b	10.50	3.15	-1.74	3.90E-10	yes
Hdac9	12.86	2.98	-2.11	4.34E-10	yes
Rpl3l	4.34	24.17	2.48	5.49E-10	yes
Uap1l1	12.53	42.10	1.75	5.49E-10	yes
H2-Eb1	11.27	1.71	-2.72	5.50E-10	yes
Pik3ip1	15.29	46.63	1.61	5.93E-10	yes
Il33	7.30	0.00	-1.79769e-	5.96E-10	yes
Csf2rb2	1.16	6.75	2.54	5.96E-10	yes
Wls	13.82	40.87	1.56	6.34E-10	yes
Hspa2	25.52	7.85	-1.70	6.59E-10	yes
Odz4	0.06	1.03	4.20	7.06E-10	yes
Kynu	0.85	6.77	2.99	8.23E-10	yes
4922502D21Ri	2.81	17.20	2.61	8.30E-10	yes
Renbp	4.90	23.75	2.28	8.84E-10	yes
Slc5a9	0.35	4.00	3.51	1.16E-09	yes
Pcdh9	0.82	5.14	2.65	1.36E-09	yes
6720401G13Ri	8.06	20.01	1.31	1.85E-09	yes
Dennd2d	2.82	14.18	2.33	2.38E-09	yes
Ppm1h	0.40	3.01	2.90	3.17E-09	yes
Tmc7	2.69	10.76	2.00	3.22E-09	yes
Gm5111	2.99	22.89	2.94	3.27E-09	yes
Vpreb2	204.82	545.39	1.41	3.67E-09	yes
Cd24a	549.06	209.94	-1.39	4.21E-09	yes
Rbm24	3.33	0.27	-3.64	4.68E-09	yes
Trib3	2.41	13.19	2.45	5.13E-09	yes
2010002M12R	0.18	3.04	4.10	5.50E-09	yes
Slc17a9	15.00	43.22	1.53	5.51E-09	yes
Pmepa1	0.14	1.98	3.85	5.93E-09	yes
H2-Aa	28.15	5.96	-2.24	6.71E-09	yes
Reln	1.48	0.24	-2.63	9.27E-09	yes
Hck	5.19	0.66	-2.98	9.27E-09	yes
Slc8a1	0.00	0.97	1.79769e+	9.74E-09	yes
Pfkfb4	2.06	9.41	2.19	1.19E-08	yes
Cd69	10.06	37.08	1.88	1.20E-08	yes
H2-Q7	23.72	61.87	1.38	1.29E-08	yes
Il28ra	2.29	9.83	2.10	1.31E-08	yes
Sgpl1	14.14	36.45	1.37	1.44E-08	yes
Rps6kb1	19.43	43.73	1.17	1.48E-08	yes

Fmn2	3.34	0.64	-2.39	1.77E-08	yes
Fmnl3	11.07	3.15	-1.82	2.08E-08	yes
Dst	2.04	5.19	1.35	2.30E-08	yes
Inpp1	10.12	3.10	-1.71	2.40E-08	yes
Myl4	74.78	21.69	-1.79	2.56E-08	yes
Lgr5	25.46	9.30	-1.45	2.89E-08	yes
Gvin1	21.94	37.49	0.77	3.42E-08	yes
6030498E09Ri	0.27	11.53	5.42	3.62E-08	yes
Bcl6	9.26	2.17	-2.09	3.87E-08	yes
Pik3r6	0.00	4.01	1.79769e+	4.39E-08	yes
Syne1	2.81	7.50	1.42	5.98E-08	yes
Mpa2l	1.63	7.48	2.20	6.20E-08	yes
Chst15	25.23	9.67	-1.38	7.51E-08	yes
Dnase2a	6.56	23.92	1.87	8.39E-08	yes
5830416P10Ri	11.44	28.72	1.33	8.93E-08	yes
Il12rb1	0.44	3.38	2.95	9.86E-08	yes
Inpp5a	11.34	29.16	1.36	1.05E-07	yes
Tmem132e	12.28	3.76	-1.71	1.11E-07	yes
Tbc1d20	23.61	58.37	1.31	1.25E-07	yes
Cacna1h	0.54	2.61	2.27	1.85E-07	yes
Myh10	2.03	6.26	1.63	2.13E-07	yes
Rapgef11	16.78	5.93	-1.50	2.13E-07	yes
Mast1	0.59	3.15	2.41	2.21E-07	yes
Nfkb2	11.44	27.16	1.25	2.21E-07	yes
Pou2f2	16.52	6.38	-1.37	2.23E-07	yes
Scd1	16.18	5.71	-1.50	2.28E-07	yes
Enpep	10.45	29.61	1.50	2.38E-07	yes
Pip5k1c	37.62	74.55	0.99	2.41E-07	yes
Gpr133	0.09	1.48	3.98	3.23E-07	yes
Arhgap19	44.45	22.03	-1.01	3.69E-07	yes
Gbp4	3.44	11.34	1.72	4.20E-07	yes
Samhd1	23.48	9.80	-1.26	4.57E-07	yes
Vasn	26.97	60.85	1.17	4.83E-07	yes
Il10ra	9.96	2.77	-1.85	5.04E-07	yes
Acox3	13.48	31.75	1.24	5.94E-07	yes
Srpk3	10.39	2.09	-2.31	6.70E-07	yes
2810417H13Ri	177.50	82.33	-1.11	6.94E-07	yes
Diras2	4.22	0.90	-2.22	7.43E-07	yes
Rarres1	0.53	5.09	3.28	9.00E-07	yes
Siglech	0.59	5.17	3.13	9.00E-07	yes
Hdc	0.27	2.77	3.34	9.45E-07	yes
Pam16	26.73	81.18	1.60	9.45E-07	yes

Tnfsf10	14.24	34.02	1.26	1.04E-06	yes
Spns3	25.19	8.15	-1.63	1.07E-06	yes
Hdac11	5.05	16.08	1.67	1.13E-06	yes
Tmem229b	68.77	34.05	-1.01	1.13E-06	yes
4930579C15Ri	0.28	6.30	4.48	1.14E-06	yes
Phf15	7.84	18.61	1.25	1.17E-06	yes
Lima1	0.89	4.39	2.31	1.19E-06	yes
Polm	21.56	7.15	-1.59	1.19E-06	yes
Clcn5	3.78	12.46	1.72	1.26E-06	yes
Atp8b2	12.88	29.12	1.18	1.40E-06	yes
Gnpda1	11.35	30.10	1.41	1.41E-06	yes
AA467197	1.44	13.77	3.26	1.41E-06	yes
Gfi1b	6.39	0.36	-4.16	1.43E-06	yes
Nuak1	7.65	2.32	-1.72	1.48E-06	yes
Glcci1	44.97	20.00	-1.17	1.49E-06	yes
Nlrp1b	1.00	4.55	2.18	1.50E-06	yes
Cd38	20.60	7.09	-1.54	1.52E-06	yes
Maf	3.81	12.72	1.74	1.52E-06	yes
Galnt6	0.00	1.57	1.79769e+	1.73E-06	yes
Prf1	0.75	4.63	2.62	1.81E-06	yes
Cd5	1.50	7.05	2.23	1.82E-06	yes
Shisa5	35.17	73.95	1.07	1.82E-06	yes
Cd36	4.44	0.60	-2.88	1.82E-06	yes
Col5a3	4.11	0.96	-2.10	1.83E-06	yes
Rps27a	9.31	0.00	-1.79769e-	1.94E-06	yes
Plxna2	0.35	1.59	2.17	1.94E-06	yes
Dpp7	4.14	15.37	1.89	1.94E-06	yes
Wapal	22.01	8.90	-1.31	2.14E-06	yes
Plin3	17.92	42.34	1.24	2.25E-06	yes
Cyp11b2	0.12	5.59	5.49	2.30E-06	yes
Neat1	38.52	82.74	1.10	2.30E-06	yes
Grina	14.71	38.45	1.39	2.56E-06	yes
Bzrap1	11.29	4.82	-1.23	2.69E-06	yes
Ptpn22	4.17	13.93	1.74	2.88E-06	yes
A930001N09R	10.29	22.89	1.15	3.13E-06	yes
Card6	6.19	1.79	-1.79	3.19E-06	yes
Mmp14	11.76	3.38	-1.80	3.20E-06	yes
Rasd1	0.98	5.72	2.55	3.35E-06	yes
Fcrl6	7.42	23.16	1.64	3.62E-06	yes
Tcf19	72.75	37.84	-0.94	3.62E-06	yes
Zfp385a	4.90	15.10	1.62	3.78E-06	yes
Dtx3	20.62	47.51	1.20	3.78E-06	yes

Gm8369	0.82	7.34	3.17	3.89E-06	yes
Tbxa2r	13.62	35.04	1.36	4.53E-06	yes
Ell3	1.94	8.83	2.19	4.61E-06	yes
Figl1	63.53	33.47	-0.92	4.73E-06	yes
Gbp10	0.83	4.27	2.37	4.79E-06	yes
P2rx3	11.86	4.10	-1.53	4.84E-06	yes
E330020D12Ri	3.64	11.88	1.71	5.09E-06	yes
Nhs1	0.45	2.18	2.28	5.30E-06	yes
Casp4	5.12	18.75	1.87	5.61E-06	yes
Dlg4	0.00	2.14	1.79769e+	5.75E-06	yes
Pgcp	0.98	5.38	2.45	5.83E-06	yes
Rgs8	2.08	6.86	1.72	5.83E-06	yes
Acer3	2.01	7.36	1.87	6.24E-06	yes
Dennd5b	14.83	6.67	-1.15	6.43E-06	yes
Rnasel	12.38	27.42	1.15	6.76E-06	yes
Plcb2	16.16	34.11	1.08	6.76E-06	yes
Lrrn4	1.44	5.93	2.04	7.77E-06	yes
Art5	0.45	3.22	2.82	8.13E-06	yes
Inpp4b	0.62	3.31	2.42	8.29E-06	yes
Fcgr2b	19.86	6.47	-1.62	8.62E-06	yes
Ano6	30.85	14.76	-1.06	9.18E-06	yes
Armcx1	2.74	9.86	1.85	1.01E-05	yes
Iigp1	1.17	5.97	2.35	1.09E-05	yes
Tex264	6.10	18.96	1.63	1.15E-05	yes
Vpreb1	245.69	531.39	1.11	1.18E-05	yes
Gm8615	6.10	18.27	1.58	1.19E-05	yes
Ccnd3	414.68	212.24	-0.97	1.19E-05	yes
Gldc	0.04	3.78	6.57	1.22E-05	yes
Epb4.1l2	47.88	27.00	-0.83	1.25E-05	yes
Rxfp1	1.40	6.68	2.26	1.36E-05	yes
Nt5dc3	6.33	14.68	1.21	1.38E-05	yes
Epha2	19.96	8.70	-1.20	1.41E-05	yes
Sgms2	0.16	1.21	2.90	1.41E-05	yes
Prnp	2.35	9.08	1.95	1.51E-05	yes
Thbs2	0.06	0.90	3.89	1.52E-05	yes
Kif19a	2.55	7.81	1.62	1.52E-05	yes
Lcp2	2.90	9.09	1.65	1.63E-05	yes
Igf2r	9.27	18.87	1.02	1.73E-05	yes
Ng23	24.77	60.70	1.29	1.84E-05	yes
Gaa	7.05	16.20	1.20	1.88E-05	yes
Map3k8	1.21	5.58	2.20	1.90E-05	yes
Tcn2	9.36	23.20	1.31	1.94E-05	yes

Orai2	12.78	27.58	1.11	1.94E-05	yes
Cacna1e	6.93	14.56	1.07	1.98E-05	yes
Ldlrad3	5.52	14.19	1.36	2.32E-05	yes
Sgol2	29.94	16.09	-0.90	2.32E-05	yes
Nebi	0.29	2.28	3.00	2.34E-05	yes
Ftl1	74.10	150.79	1.03	2.34E-05	yes
Tubb2b	13.18	31.24	1.25	2.38E-05	yes
Adap1	11.19	3.31	-1.76	2.53E-05	yes
Hebp1	4.45	16.95	1.93	2.88E-05	yes
Klf4	4.75	1.17	-2.02	2.92E-05	yes
Gpr132	11.56	27.28	1.24	2.92E-05	yes
Adamts14	0.27	1.43	2.39	2.93E-05	yes
Phka1	8.51	3.46	-1.30	2.94E-05	yes
Ptprf	0.09	0.62	2.74	3.13E-05	yes
Wdr81	11.42	22.87	1.00	3.13E-05	yes
Bub1	33.60	18.11	-0.89	3.13E-05	yes
Rag1	80.62	38.23	-1.08	3.13E-05	yes
Clgn	1.06	4.90	2.21	3.22E-05	yes
Ficn	18.70	38.80	1.05	3.56E-05	yes
Hs1bp3	2.22	7.24	1.71	3.58E-05	yes
Gimap3	5.55	16.50	1.57	3.66E-05	yes
Sdc1	18.46	7.52	-1.30	3.72E-05	yes
Heyl	6.88	2.28	-1.59	3.97E-05	yes
Slamf9	5.18	0.86	-2.58	4.31E-05	yes
Tpp1	16.87	34.76	1.04	4.69E-05	yes
Atp6v0c	117.05	228.31	0.96	5.26E-05	yes
Edem3	24.24	12.23	-0.99	5.60E-05	yes
1700021K19Ri	16.58	7.80	-1.09	5.76E-05	yes
Inf2	6.97	15.29	1.13	5.90E-05	yes
Tmem40	0.31	5.31	4.11	6.04E-05	yes
Oasl2	1.07	4.40	2.04	6.21E-05	yes
Whsc1	81.16	54.35	-0.58	6.30E-05	yes
Gpr176	0.59	2.67	2.18	6.39E-05	yes
Nrgn	56.51	23.84	-1.25	6.46E-05	yes
Acsl1	14.51	29.75	1.04	6.68E-05	yes
Eps8	13.16	5.58	-1.24	6.94E-05	yes
Nap1l1	263.01	160.08	-0.72	7.10E-05	yes
Slc43a2	14.67	7.57	-0.95	7.10E-05	yes
Eif2c4	3.00	7.48	1.32	7.12E-05	yes
Trim16	13.31	27.70	1.06	7.19E-05	yes
Tnfaip3	13.91	27.48	0.98	7.49E-05	yes
Kbtbd11	3.03	7.41	1.29	7.57E-05	yes

Thop1	24.76	11.20	-1.14	7.75E-05	yes
Hvcn1	53.71	27.05	-0.99	7.94E-05	yes
Klhl32	2.49	0.38	-2.71	8.53E-05	yes
Kif14	16.28	8.28	-0.98	8.90E-05	yes
Ccl3	0.57	5.47	3.27	9.01E-05	yes
Timeless	31.95	19.33	-0.72	9.39E-05	yes
Hdac5	37.24	21.17	-0.81	9.40E-05	yes
Gm5512	11.84	25.97	1.13	9.41E-05	yes
Cybasc3	62.15	120.59	0.96	9.65E-05	yes
Rmnd5b	18.57	38.58	1.05	1.02E-04	yes
Sik1	18.89	8.94	-1.08	1.07E-04	yes
Amigo1	6.36	2.45	-1.38	1.07E-04	yes
Trim59	54.60	27.86	-0.97	1.09E-04	yes
Ehd4	24.86	11.90	-1.06	1.12E-04	yes
Blvrb	18.62	5.72	-1.70	1.17E-04	yes
Cyp2j6	0.63	3.11	2.30	1.17E-04	yes
Lmo7	0.21	1.08	2.39	1.20E-04	yes
Cmah	4.58	1.87	-1.29	1.20E-04	yes
Rtkn2	12.40	5.08	-1.29	1.20E-04	yes
Nusap1	64.07	35.98	-0.83	1.23E-04	yes
Srxn1	0.08	2.13	4.72	1.23E-04	yes
Enpp5	0.44	3.78	3.10	1.23E-04	yes
Ppm1e	19.34	9.74	-0.99	1.27E-04	yes
Fam101b	4.67	1.36	-1.79	1.43E-04	yes
Hexa	14.03	31.29	1.16	1.46E-04	yes
Gm11346	0.95	5.52	2.54	1.50E-04	yes
Gtse1	36.67	20.00	-0.87	1.56E-04	yes
Gpr128	0.90	3.74	2.06	1.67E-04	yes
Nucks1	77.10	48.65	-0.66	1.67E-04	yes
Apol7b	0.77	3.22	2.07	1.69E-04	yes
Clec2i	11.17	31.61	1.50	1.72E-04	yes
Hmgb2	107.30	57.97	-0.89	1.72E-04	yes
Rrm2	143.46	77.77	-0.88	1.76E-04	yes
Zdhhc8	13.87	26.66	0.94	1.78E-04	yes
Scap	28.64	47.96	0.74	1.80E-04	yes
Nceh1	4.13	10.24	1.31	1.81E-04	yes
Plxnb2	21.88	12.11	-0.85	1.81E-04	yes
Itga6	10.87	22.07	1.02	1.95E-04	yes
Ivns1abp	152.06	104.34	-0.54	1.95E-04	yes
Syde2	0.45	1.94	2.09	2.00E-04	yes
Serpinb6b	1.69	6.87	2.02	2.00E-04	yes
Utrn	11.60	22.02	0.93	2.02E-04	yes

Gpam	47.99	89.48	0.90	2.08E-04	yes
Grb7	11.04	24.27	1.14	2.10E-04	yes
Egfl6	7.88	2.34	-1.75	2.10E-04	yes
Batf	1.84	7.94	2.11	2.19E-04	yes
Slc23a2	7.25	14.77	1.03	2.26E-04	yes
Hsp90aa1	244.83	130.98	-0.90	2.28E-04	yes
Ahcy	128.01	69.60	-0.88	2.29E-04	yes
Cdca2	35.47	20.41	-0.80	2.33E-04	yes
E2f2	81.71	44.65	-0.87	2.33E-04	yes
Bard1	24.04	12.50	-0.94	2.38E-04	yes
H2-Ab1	41.98	18.73	-1.16	2.44E-04	yes
Cdk5r1	6.54	2.34	-1.48	2.45E-04	yes
Rasa13	26.76	50.08	0.90	2.49E-04	yes
Irs2	7.16	15.35	1.10	2.60E-04	yes
Flna	38.94	21.36	-0.87	2.60E-04	yes
Fmnl2	3.22	7.82	1.28	2.73E-04	yes
Lgmn	16.72	35.46	1.08	2.81E-04	yes
Cep55	45.19	26.14	-0.79	2.81E-04	yes
Acss1	40.17	73.55	0.87	3.05E-04	yes
Zfp710	21.76	12.44	-0.81	3.15E-04	yes
Ehd2	31.94	16.43	-0.96	3.21E-04	yes
Epb4.1l4b	27.45	51.15	0.90	3.29E-04	yes
Tbc1d2	0.56	2.15	1.93	3.55E-04	yes
Kpna2	62.36	32.96	-0.92	3.59E-04	yes
Wwc1	0.03	1.82	5.84	3.69E-04	yes
Npc1	6.14	12.98	1.08	3.72E-04	yes
Serpinb1a	24.05	47.19	0.97	3.75E-04	yes
Agtrap	9.43	18.99	1.01	3.75E-04	yes
Aspm	36.09	19.99	-0.85	3.75E-04	yes
Wbscr27	1.90	6.01	1.66	3.75E-04	yes
H2-K1	121.23	222.32	0.87	3.75E-04	yes
Dlgap5	38.88	22.65	-0.78	3.75E-04	yes
Rnase4	7.26	19.10	1.40	3.79E-04	yes
Npc2	22.81	42.70	0.90	3.81E-04	yes
Ahcyl2	3.92	8.68	1.15	3.99E-04	yes
Dok1	12.14	26.65	1.13	4.05E-04	yes
Neurl1b	9.62	4.48	-1.10	4.13E-04	yes
Nsun7	0.18	1.59	3.15	4.23E-04	yes
Kit	8.73	17.02	0.96	4.31E-04	yes
Tle3	29.96	45.94	0.62	4.31E-04	yes
Adamts7	1.43	4.12	1.52	4.40E-04	yes
C79407	33.43	17.86	-0.90	4.64E-04	yes

Gabbr1	6.44	13.75	1.10	4.67E-04	yes
Faim3	11.87	3.92	-1.60	4.73E-04	yes
Coro7	50.91	92.43	0.86	4.76E-04	yes
Clcf1	11.96	3.26	-1.88	4.76E-04	yes
Adi1	20.91	42.90	1.04	4.77E-04	yes
Nek2	49.32	26.83	-0.88	4.90E-04	yes
Prr11	34.32	18.34	-0.90	4.91E-04	yes
Nr1d1	4.06	10.61	1.38	4.95E-04	yes
Lrrc32	0.13	0.91	2.81	4.95E-04	yes
Kcnn4	19.82	37.16	0.91	5.00E-04	yes
Emp3	36.64	14.84	-1.30	5.03E-04	yes
Pnpla7	6.12	12.73	1.06	5.03E-04	yes
Spata13	17.28	31.72	0.88	5.05E-04	yes
C030039L03Ri	0.66	0.00	-1.79769e	5.14E-04	yes
Cnot8	42.22	77.60	0.88	5.20E-04	yes
Atp13a2	38.05	62.14	0.71	5.20E-04	yes
Fbxw8	10.40	4.74	-1.13	5.29E-04	yes
Polq	14.30	8.18	-0.81	5.33E-04	yes
Slfn5	1.83	4.91	1.43	5.43E-04	yes
Mbd4	26.98	14.03	-0.94	5.49E-04	yes
Pld4	12.08	4.36	-1.47	5.57E-04	yes
Cables1	0.85	0.00	-1.79769e	5.65E-04	yes
Mcart6	5.97	14.07	1.24	5.83E-04	yes
Kif24	11.08	5.36	-1.05	5.84E-04	yes
Rad54l	30.19	16.44	-0.88	6.15E-04	yes
Cd96	0.43	2.38	2.46	6.23E-04	yes
Tecpr1	11.98	22.79	0.93	6.32E-04	yes
Tubb2a	9.36	21.87	1.22	6.44E-04	yes
1700029I01Rik	4.59	10.52	1.20	6.73E-04	yes
Celsr2	3.70	1.66	-1.16	6.82E-04	yes
Traf1	0.33	1.62	2.31	6.83E-04	yes
Tert	3.69	9.04	1.29	7.00E-04	yes
Azin1	57.02	35.78	-0.67	7.50E-04	yes
Cdkn2d	98.02	59.99	-0.71	7.68E-04	yes
E2f8	48.21	27.13	-0.83	8.04E-04	yes
Gimap8	6.23	13.62	1.13	8.20E-04	yes
Lrrc10b	2.55	8.59	1.75	8.37E-04	yes
Kcng1	2.14	6.73	1.66	8.37E-04	yes
Myo1f	2.51	6.47	1.37	8.55E-04	yes
8430419L09Ri	12.50	23.71	0.92	8.72E-04	yes
Ikbke	4.79	11.00	1.20	8.77E-04	yes
Fhod3	0.65	0.12	-2.41	8.80E-04	yes

Tubb2c	206.93	118.42	-0.81	9.36E-04	yes
Camsap1l1	7.20	3.44	-1.07	9.61E-04	yes
C330027C09Ri	45.63	25.64	-0.83	9.68E-04	yes
Mmp9	0.23	1.29	2.48	9.93E-04	yes
Pask	16.47	8.67	-0.93	9.99E-04	yes
Irf4	73.71	41.84	-0.82	1.02E-03	yes
Tnfrsf13c	29.88	55.04	0.88	1.02E-03	yes
Esco2	41.60	22.61	-0.88	1.05E-03	yes
Gas2l3	21.73	13.07	-0.73	1.05E-03	yes
Zfp703	8.81	3.68	-1.26	1.08E-03	yes
H2-Q6	16.69	37.17	1.16	1.09E-03	yes
Fam189a1	1.32	0.02	-5.80	1.12E-03	yes
Polh	34.82	18.50	-0.91	1.12E-03	yes
Nasp	67.00	40.53	-0.72	1.15E-03	yes
E2f7	20.57	11.33	-0.86	1.18E-03	yes
Gk5	3.42	1.01	-1.77	1.22E-03	yes
Tmprss3	31.62	17.56	-0.85	1.23E-03	yes
Kif18b	39.66	22.33	-0.83	1.25E-03	yes
Carhsp1	38.52	21.14	-0.87	1.25E-03	yes
Mef2c	36.40	22.41	-0.70	1.27E-03	yes
Traf5	10.23	3.93	-1.38	1.29E-03	yes
Mybl2	35.32	19.93	-0.83	1.31E-03	yes
Tfrc	61.36	35.65	-0.78	1.31E-03	yes
Kif3a	4.73	9.92	1.07	1.32E-03	yes
Ccnb1	95.12	54.84	-0.79	1.32E-03	yes
Rtn4ip1	19.79	9.65	-1.04	1.32E-03	yes
Plxna3	5.37	2.38	-1.17	1.34E-03	yes
Ccna2	119.61	69.51	-0.78	1.37E-03	yes
Pif1	28.06	15.40	-0.87	1.39E-03	yes
Cenpm	30.79	14.80	-1.06	1.41E-03	yes
Inpp5f	9.84	4.57	-1.11	1.41E-03	yes
Sipa1l2	5.18	2.26	-1.19	1.41E-03	yes
2900006K08Ri	1.34	4.42	1.72	1.45E-03	yes
Sertad4	5.03	1.73	-1.54	1.47E-03	yes
Lphn2	5.20	10.56	1.02	1.48E-03	yes
Plk1	67.14	38.26	-0.81	1.48E-03	yes
Entpd5	23.71	38.04	0.68	1.49E-03	yes
Afap1	3.41	7.15	1.07	1.51E-03	yes
Lphn1	9.35	4.96	-0.92	1.57E-03	yes
Padi4	1.98	5.67	1.52	1.57E-03	yes
Birc5	87.06	50.57	-0.78	1.57E-03	yes
Pdk1	15.00	26.99	0.85	1.60E-03	yes

Troap	23.48	12.19	-0.95	1.60E-03	yes
Slc12a7	15.70	28.31	0.85	1.61E-03	yes
Mast2	26.74	15.67	-0.77	1.61E-03	yes
Eri2	15.47	7.45	-1.05	1.62E-03	yes
Magi2	0.00	0.40	1.79769e+	1.62E-03	yes
Megf6	0.49	0.03	-4.09	1.62E-03	yes
Syt14	2.31	6.23	1.43	1.62E-03	yes
Ccl4	0.40	4.87	3.59	1.63E-03	yes
Esp1	33.96	19.75	-0.78	1.64E-03	yes
Ffar1	3.86	0.76	-2.34	1.66E-03	yes
Gm13251	4.72	10.84	1.20	1.72E-03	yes
Tmtc1	0.60	0.14	-2.08	1.72E-03	yes
Spc25	57.17	31.44	-0.86	1.75E-03	yes
Itpkb	24.53	42.60	0.80	1.76E-03	yes
Arhgef5	2.20	5.28	1.26	1.78E-03	yes
Cit	17.46	9.94	-0.81	1.78E-03	yes
Aldh11l1	0.61	2.30	1.91	1.80E-03	yes
Reep2	5.83	1.89	-1.63	1.80E-03	yes
H2afx	155.26	90.71	-0.78	1.84E-03	yes
BC016495	4.53	12.52	1.47	1.86E-03	yes
Anxa5	4.82	12.46	1.37	1.86E-03	yes
Anln	27.12	15.53	-0.80	1.86E-03	yes
Ppap2b	2.27	0.61	-1.90	1.86E-03	yes
2810442121Rik	3.95	1.25	-1.66	1.89E-03	yes
Frmd6	13.00	24.25	0.90	1.90E-03	yes
Tef	10.29	18.48	0.84	1.90E-03	yes
Socs3	1.20	3.88	1.70	1.91E-03	yes
Mpo	12.93	5.67	-1.19	1.91E-03	yes
Far1	52.20	30.78	-0.76	1.92E-03	yes
Cldn4	1.11	4.25	1.94	1.94E-03	yes
Gm5069	0.81	2.69	1.74	1.94E-03	yes
F5	0.65	0.15	-2.09	1.94E-03	yes
Prkcq	2.15	5.73	1.42	1.98E-03	yes
Rnf144a	18.16	10.33	-0.81	2.03E-03	yes
Mthfd2	31.88	16.48	-0.95	2.03E-03	yes
Galnt10	6.72	2.97	-1.18	2.06E-03	yes
Lynx1	6.44	12.94	1.01	2.07E-03	yes
Rhobtb2	11.56	20.62	0.83	2.10E-03	yes
Ppt1	40.08	69.36	0.79	2.10E-03	yes
Phf19	21.42	11.63	-0.88	2.16E-03	yes
Mastl	11.08	5.35	-1.05	2.16E-03	yes
B3gnt8	27.03	13.93	-0.96	2.20E-03	yes

Ggnbp1	2.25	7.19	1.67	2.21E-03	yes
Mtap2	0.57	0.00	-1.79769e-	2.25E-03	yes
Ncoa4	44.97	69.75	0.63	2.25E-03	yes
Hmmr	35.90	20.74	-0.79	2.31E-03	yes
Fuca2	9.17	17.62	0.94	2.33E-03	yes
Syt11	4.19	10.52	1.33	2.33E-03	yes
Kif15	37.73	22.13	-0.77	2.34E-03	yes
N4bp2l1	6.71	15.80	1.24	2.34E-03	yes
Ctns	5.27	11.75	1.16	2.46E-03	yes
Erg	33.94	61.05	0.85	2.46E-03	yes
Casc5	39.77	23.55	-0.76	2.48E-03	yes
Adck3	2.53	6.17	1.28	2.49E-03	yes
Krba1	3.85	7.53	0.97	2.49E-03	yes
Ckap2l	46.78	27.23	-0.78	2.50E-03	yes
Spns2	1.91	0.53	-1.86	2.50E-03	yes
Cenpf	38.30	22.67	-0.76	2.53E-03	yes
Zap70	8.19	2.99	-1.45	2.53E-03	yes
Rap1gds1	22.43	12.64	-0.83	2.54E-03	yes
Trpm5	0.33	0.00	-1.79769e-	2.56E-03	yes
H2-Oa	6.23	16.87	1.44	2.57E-03	yes
Idua	6.85	13.91	1.02	2.58E-03	yes
4930420K17Ri	32.03	14.00	-1.19	2.58E-03	yes
Rftn2	5.94	12.42	1.06	2.58E-03	yes
Brca1	21.34	12.42	-0.78	2.58E-03	yes
Fat4	0.02	0.17	3.17	2.59E-03	yes
Ralb	3.01	7.93	1.39	2.64E-03	yes
Cacna1b	1.17	2.92	1.32	2.71E-03	yes
Mansc1	0.25	1.42	2.50	2.72E-03	yes
Ypel2	5.23	10.54	1.01	2.75E-03	yes
Gstt2	21.67	41.48	0.94	2.79E-03	yes
Gstm1	9.68	22.08	1.19	2.81E-03	yes
Cbx5	79.25	50.85	-0.64	2.82E-03	yes
Hmgb1	58.64	33.73	-0.80	2.82E-03	yes
Igsf9	3.21	1.17	-1.46	2.84E-03	yes
Pde7a	30.81	18.36	-0.75	2.87E-03	yes
Aldh3b2	0.30	1.59	2.42	2.92E-03	yes
Kntc1	19.37	11.26	-0.78	2.94E-03	yes
Mdm1	23.63	13.69	-0.79	2.99E-03	yes
Il18rap	0.66	2.48	1.92	2.99E-03	yes
Mobkl2c	4.17	9.59	1.20	2.99E-03	yes
Top2a	153.37	88.84	-0.79	2.99E-03	yes
A630055G03R	15.45	7.92	-0.96	2.99E-03	yes

Auts2	1.43	3.47	1.28	3.05E-03	yes
Nuf2	40.18	22.62	-0.83	3.07E-03	yes
Sema7a	0.94	3.01	1.68	3.16E-03	yes
Psd	1.16	3.27	1.50	3.16E-03	yes
Ublcp1	18.69	8.71	-1.10	3.16E-03	yes
Pafah2	1.20	3.56	1.57	3.17E-03	yes
Gfi1	17.07	30.26	0.83	3.25E-03	yes
Zeb2	29.83	17.90	-0.74	3.25E-03	yes
Pyhin1	89.96	53.75	-0.74	3.27E-03	yes
Oxct1	38.28	22.32	-0.78	3.28E-03	yes
5730590G19Ri	20.52	12.12	-0.76	3.28E-03	yes
Hmgn2	88.21	50.57	-0.80	3.34E-03	yes
Kifc5b	35.30	20.04	-0.82	3.34E-03	yes
Tubb3	0.19	1.45	2.90	3.36E-03	yes
Nynrin	1.74	3.98	1.20	3.41E-03	yes
Ube2s	159.95	95.14	-0.75	3.44E-03	yes
Cdc7	31.56	17.71	-0.83	3.46E-03	yes
Ppp1cc	298.33	175.22	-0.77	3.48E-03	yes
Oaf	5.81	2.15	-1.44	3.50E-03	yes
Adora2a	4.51	10.65	1.24	3.54E-03	yes
Pitpnc1	11.40	6.16	-0.89	3.56E-03	yes
Hspa1b	1.43	0.36	-2.00	3.62E-03	yes
Btrc	23.01	14.63	-0.65	3.72E-03	yes
Angptl4	2.17	0.52	-2.05	3.81E-03	yes
Rgs2	23.72	12.77	-0.89	3.82E-03	yes
Arntl	37.80	21.87	-0.79	3.85E-03	yes
Wdr90	15.33	8.74	-0.81	3.85E-03	yes
Ccne2	30.97	17.29	-0.84	3.85E-03	yes
Wfs1	2.48	0.83	-1.58	3.88E-03	yes
Fanca	15.20	8.28	-0.88	3.93E-03	yes
Abcg3	3.21	7.82	1.29	3.96E-03	yes
Ms4a6b	2.78	8.10	1.54	3.96E-03	yes
Thy1	3.75	9.73	1.37	3.99E-03	yes
Csrp2	41.76	19.79	-1.08	3.99E-03	yes
Arhgap11a	50.62	30.65	-0.72	4.02E-03	yes
AI480653	12.87	23.25	0.85	4.06E-03	yes
1810011H11Ri	0.12	2.23	4.23	4.07E-03	yes
Tuba1b	85.70	50.66	-0.76	4.07E-03	yes
Tpm4	89.34	53.72	-0.73	4.09E-03	yes
Arhgap23	4.50	1.99	-1.18	4.09E-03	yes
Racgap1	59.05	35.52	-0.73	4.09E-03	yes
Pcp4l1	13.29	5.29	-1.33	4.18E-03	yes

Spnb1	0.27	0.06	-2.19	4.24E-03	yes
Pik3r5	5.80	11.10	0.94	4.27E-03	yes
D630039A03R	0.10	0.92	3.15	4.29E-03	yes
Rapgef5	7.12	13.61	0.93	4.32E-03	yes
Rbl1	47.79	30.03	-0.67	4.32E-03	yes
Igj	1.71	0.32	-2.41	4.33E-03	yes
Cdc45	36.96	21.36	-0.79	4.37E-03	yes
Shcbp1	39.51	21.96	-0.85	4.39E-03	yes
Plip	1.75	0.39	-2.18	4.39E-03	yes
Bmf	13.32	23.30	0.81	4.55E-03	yes
Myef2	50.98	33.46	-0.61	4.55E-03	yes
Kif22	59.57	35.35	-0.75	4.55E-03	yes
Hsph1	34.95	20.69	-0.76	4.57E-03	yes
Crip2	4.86	1.52	-1.68	4.58E-03	yes
Fbxl12	52.28	81.34	0.64	4.61E-03	yes
Clspn	33.96	20.51	-0.73	4.64E-03	yes
Shank2	0.21	0.00	-1.79769e-	4.65E-03	yes
Cenpe	33.58	20.47	-0.71	4.65E-03	yes
Ccnf	49.97	30.06	-0.73	4.65E-03	yes
Eps8l1	1.73	4.79	1.47	4.66E-03	yes
Arap1	20.73	33.52	0.69	4.66E-03	yes
Fancd2	18.90	10.80	-0.81	4.69E-03	yes
Ii18	5.75	1.55	-1.89	4.69E-03	yes
Cacna2d4	0.79	2.22	1.49	4.71E-03	yes
Hist3h2ba	3.91	0.32	-3.63	4.71E-03	yes
Rapgef4	0.26	1.20	2.22	4.74E-03	yes
Dtl	42.14	25.42	-0.73	4.74E-03	yes
Bst1	26.56	46.61	0.81	4.76E-03	yes
Stag3	4.37	1.76	-1.31	4.77E-03	yes
Hcst	0.94	6.62	2.82	4.80E-03	yes
Kifc1	48.15	28.49	-0.76	4.88E-03	yes
6330503K22Ri	20.71	12.06	-0.78	5.10E-03	yes
Hells	50.10	30.01	-0.74	5.13E-03	yes
Brca2	12.80	8.03	-0.67	5.16E-03	yes
Tjp3	6.38	12.57	0.98	5.16E-03	yes
Serinc5	51.20	31.24	-0.71	5.18E-03	yes
1600016N20Ri	0.85	2.83	1.73	5.20E-03	yes
1500010J02Ri	26.79	17.14	-0.64	5.20E-03	yes
F730016J06Ri	0.00	0.48	1.79769e+	5.26E-03	yes
Gfod1	17.82	10.55	-0.76	5.28E-03	yes
Itih5	5.62	2.82	-1.00	5.31E-03	yes
Sec22c	4.42	8.39	0.93	5.41E-03	yes

Kif2c	30.83	17.81	-0.79	5.45E-03	yes
H1fx	13.06	5.09	-1.36	5.47E-03	yes
Dusp5	7.65	17.96	1.23	5.47E-03	yes
Pola1	33.02	20.03	-0.72	5.49E-03	yes
Pear1	8.10	13.82	0.77	5.49E-03	yes
Loxhd1	0.54	0.11	-2.29	5.58E-03	yes
Kcnmb4	3.48	0.87	-2.00	5.70E-03	yes
Osbpl1a	3.12	7.19	1.20	5.76E-03	yes
Pisd-ps2	16.14	30.87	0.94	5.76E-03	yes
Gimap1	31.45	54.77	0.80	5.76E-03	yes
Ncaph	50.04	30.10	-0.73	5.79E-03	yes
Rangrf	7.93	2.47	-1.69	5.84E-03	yes
Gsg1	0.29	1.91	2.72	5.91E-03	yes
Ston1	0.99	3.00	1.59	5.91E-03	yes
Kif11	79.07	48.66	-0.70	5.91E-03	yes
Zfp518b	4.22	1.95	-1.11	5.98E-03	yes
Sgol1	24.72	14.17	-0.80	5.98E-03	yes
Arid3a	17.23	9.91	-0.80	6.04E-03	yes
Srsf7	134.99	95.93	-0.49	6.10E-03	yes
A430093F15Ri	0.33	1.51	2.18	6.18E-03	yes
Cln3	5.66	11.76	1.05	6.29E-03	yes
A130040M12F	1.86	4.74	1.35	6.32E-03	yes
Ncapg2	43.79	27.05	-0.69	6.32E-03	yes
Nrm	53.46	30.37	-0.82	6.33E-03	yes
Entpd1	9.19	16.92	0.88	6.33E-03	yes
Dnajc6	1.51	3.62	1.26	6.38E-03	yes
Tmod3	31.75	52.27	0.72	6.39E-03	yes
Adam11	0.05	0.45	3.09	6.41E-03	yes
6430571L13Ril	0.53	1.97	1.88	6.46E-03	yes
Srsf3	199.47	140.52	-0.51	6.48E-03	yes
Tulp4	7.04	4.06	-0.79	6.54E-03	yes
Tec	15.90	26.98	0.76	6.58E-03	yes
Alpk3	0.26	0.86	1.72	6.59E-03	yes
Gbp8	0.39	1.64	2.08	6.89E-03	yes
BC060267	0.35	1.42	2.01	6.89E-03	yes
Phyhip	0.15	0.93	2.68	7.11E-03	yes
Arsa	4.52	9.25	1.03	7.14E-03	yes
Pgm2	6.86	14.00	1.03	7.19E-03	yes
Lrp6	11.63	19.06	0.71	7.23E-03	yes
Me3	0.10	0.70	2.85	7.28E-03	yes
Lyn	53.95	35.37	-0.61	7.28E-03	yes
Adamtsl2	0.21	0.86	2.06	7.36E-03	yes

Mgat4b	8.90	17.02	0.94	7.36E-03	yes
Il6st	6.07	11.05	0.86	7.36E-03	yes
AI504432	30.99	18.73	-0.73	7.39E-03	yes
Rragb	3.14	7.71	1.29	7.40E-03	yes
Igll1	189.97	314.12	0.73	7.41E-03	yes
Gpr18	9.81	3.75	-1.39	7.41E-03	yes
Kif4	29.50	18.02	-0.71	7.46E-03	yes
Tbc1d10c	53.19	88.27	0.73	7.49E-03	yes
Gm4759	31.89	53.01	0.73	7.65E-03	yes
5031414D18Ri	8.89	3.96	-1.17	7.68E-03	yes
Ccne1	23.51	12.38	-0.93	7.72E-03	yes
Pfn2	6.94	2.58	-1.43	7.85E-03	yes
Oasl1	6.42	13.38	1.06	7.94E-03	yes
Sfpi1	29.57	15.22	-0.96	7.94E-03	yes
Dut	48.65	30.74	-0.66	8.06E-03	yes
Il5ra	1.81	0.55	-1.73	8.08E-03	yes
Cenpl	30.01	17.11	-0.81	8.09E-03	yes
Serpinb1c	0.69	2.53	1.87	8.19E-03	yes
Steap4	14.65	26.01	0.83	8.19E-03	yes
Ap1m2	0.00	1.11	1.79769e+	8.23E-03	yes
Plk2	4.28	9.47	1.15	8.28E-03	yes
H2-Gs10	62.07	100.61	0.70	8.28E-03	yes
Rasgrp4	1.62	4.61	1.51	8.36E-03	yes
Wdhd1	34.74	21.29	-0.71	8.43E-03	yes
Naga	6.24	13.34	1.10	8.60E-03	yes
Sfxn3	8.56	15.66	0.87	8.89E-03	yes
H2afz	439.45	274.58	-0.68	8.99E-03	yes
Sdk2	0.02	0.35	4.08	9.02E-03	yes
Hnrnpa2b1	336.24	238.33	-0.50	9.03E-03	yes
Spag5	42.12	26.15	-0.69	9.03E-03	yes
Gbp2	6.03	12.72	1.08	9.27E-03	yes
P2rx4	4.39	10.02	1.19	9.35E-03	yes
Atad5	23.71	14.73	-0.69	9.35E-03	yes
Stk10	30.40	18.80	-0.69	9.35E-03	yes
Uba7	21.01	34.99	0.74	9.39E-03	yes
Fam83d	14.51	7.16	-1.02	9.39E-03	yes
Rai14	3.08	6.33	1.04	9.50E-03	yes
Zfp41	19.99	11.86	-0.75	9.52E-03	yes
Cdca5	42.97	25.22	-0.77	9.52E-03	yes
Tbcel	11.07	18.81	0.77	9.54E-03	yes
Cenpi	18.23	9.90	-0.88	9.54E-03	yes
Prlr	0.72	1.79	1.32	9.56E-03	yes

Gad1	0.34	0.00	-1.79769e	9.59E-03	yes
Dpt	0.96	3.23	1.74	9.61E-03	yes
Bank1	3.76	1.38	-1.45	9.61E-03	yes
Xbp1	29.28	49.33	0.75	9.61E-03	yes
Gpatch2	14.53	8.25	-0.82	9.61E-03	yes
Stmn1	827.24	497.15	-0.73	9.63E-03	yes
Phf21b	0.45	0.00	-1.79769e	9.64E-03	yes
Tnik	0.65	1.71	1.39	9.72E-03	yes
Bcl2l2	5.79	11.21	0.95	9.82E-03	yes
Bri3	22.43	42.44	0.92	9.82E-03	yes
Trfr2	1.19	3.44	1.53	9.83E-03	yes
Stil	25.26	15.50	-0.71	9.84E-03	yes
Mthfd1l	31.91	20.35	-0.65	9.87E-03	yes
Ccr5	0.26	1.20	2.19	9.96E-03	yes
Lxn	29.85	52.53	0.82	9.96E-03	yes
Cyth1	48.79	72.27	0.57	9.96E-03	yes
Fam111a	65.43	41.04	-0.67	9.96E-03	yes
Fech	7.68	14.74	0.94	9.98E-03	yes
Lgals3bp	11.04	20.56	0.90	9.98E-03	yes
Prc1	54.53	33.99	-0.68	1.00E-02	yes
Dntt	139.89	221.13	0.66	1.01E-02	yes
Frat2	17.63	9.05	-0.96	1.01E-02	yes
Faah	0.67	0.10	-2.80	1.02E-02	yes
Cmtm7	107.90	174.10	0.69	1.03E-02	yes
Dek	132.00	83.34	-0.66	1.03E-02	yes
Ikzf1	122.75	85.37	-0.52	1.04E-02	yes
Laptm4b	3.28	8.27	1.33	1.04E-02	yes
Hs6st1	11.01	18.96	0.78	1.04E-02	yes
4930523C07Ri	35.72	22.99	-0.64	1.04E-02	yes
Ccdc17	1.04	3.09	1.57	1.04E-02	yes
Chst1	0.07	0.92	3.73	1.04E-02	yes
Unc5cl	1.07	3.01	1.49	1.05E-02	yes
Gimap6	37.68	63.15	0.74	1.05E-02	yes
Impdh2	140.85	88.76	-0.67	1.05E-02	yes
Plcd3	5.99	2.58	-1.21	1.05E-02	yes
Ncapg	47.13	29.37	-0.68	1.05E-02	yes
B2m	247.50	394.29	0.67	1.06E-02	yes
F2rl2	0.00	0.46	1.79769e+	1.07E-02	yes
Enpp4	1.42	3.62	1.36	1.07E-02	yes
Pole	29.35	18.52	-0.66	1.07E-02	yes
Pecam1	30.08	18.86	-0.67	1.09E-02	yes
Nphp4	3.71	1.67	-1.15	1.09E-02	yes

Dip2c	1.32	2.90	1.14	1.10E-02	yes
Isoc2b	1.64	4.99	1.60	1.11E-02	yes
Sgsm1	1.44	3.40	1.24	1.11E-02	yes
Marcksl1	78.29	48.53	-0.69	1.11E-02	yes
Rcc1	57.49	37.32	-0.62	1.12E-02	yes
Ltf	0.58	1.83	1.66	1.12E-02	yes
Fbxo48	14.80	7.14	-1.05	1.12E-02	yes
Slc39a6	11.39	19.53	0.78	1.13E-02	yes
Gpr63	0.99	0.14	-2.78	1.13E-02	yes
Zfp579	6.73	13.45	1.00	1.16E-02	yes
Rfwd3	81.24	51.45	-0.66	1.16E-02	yes
Rad51	38.14	22.56	-0.76	1.17E-02	yes
Kif18a	20.00	11.38	-0.81	1.17E-02	yes
Phyh	15.77	29.73	0.91	1.17E-02	yes
Kif20b	30.19	18.94	-0.67	1.17E-02	yes
Cd83	0.99	0.14	-2.84	1.17E-02	yes
Serpinb9	2.35	5.61	1.26	1.17E-02	yes
Thbd	30.65	18.82	-0.70	1.17E-02	yes
Foxm1	61.02	38.71	-0.66	1.17E-02	yes
Mcm10	27.04	16.45	-0.72	1.17E-02	yes
Ski	2.10	0.83	-1.34	1.18E-02	yes
Crybg3	6.45	3.39	-0.93	1.19E-02	yes
2900026A02Ri	28.98	46.74	0.69	1.20E-02	yes
Lgals8	18.59	29.76	0.68	1.21E-02	yes
Smc2	54.67	34.78	-0.65	1.21E-02	yes
Tirap	6.82	3.40	-1.00	1.21E-02	yes
Recql4	14.58	8.22	-0.83	1.23E-02	yes
Mgat4a	10.43	5.98	-0.80	1.23E-02	yes
Il1r1l	0.27	1.25	2.21	1.24E-02	yes
Cdk1	38.25	23.40	-0.71	1.25E-02	yes
Ptprn2	0.04	0.50	3.83	1.27E-02	yes
Gm525	2.41	7.79	1.69	1.27E-02	yes
Zxdc	6.31	10.90	0.79	1.28E-02	yes
Pcmt1d1	32.00	50.74	0.67	1.31E-02	yes
Apobec1	33.43	20.01	-0.74	1.31E-02	yes
Rag2	28.51	16.60	-0.78	1.32E-02	yes
Abhd15	2.89	6.44	1.16	1.32E-02	yes
Cnn3	53.21	32.46	-0.71	1.33E-02	yes
Neil3	52.18	32.28	-0.69	1.33E-02	yes
Ercc6l	27.88	17.25	-0.69	1.34E-02	yes
Nkg7	2.61	8.12	1.63	1.34E-02	yes
Glrp1	0.96	3.02	1.66	1.35E-02	yes

1600014C10Ri	13.37	22.88	0.78	1.35E-02	yes
Cdc20	72.74	45.71	-0.67	1.35E-02	yes
1300002K09Ri	0.08	0.67	3.02	1.37E-02	yes
Ttk	28.33	17.18	-0.72	1.37E-02	yes
Cyp4f16	2.60	6.39	1.30	1.37E-02	yes
Ifi2712a	61.30	29.99	-1.03	1.37E-02	yes
Pla2g4c	3.41	1.33	-1.36	1.37E-02	yes
Txnip	44.66	65.03	0.54	1.38E-02	yes
Anp32e	114.53	73.44	-0.64	1.39E-02	yes
Ppm1f	21.61	13.37	-0.69	1.39E-02	yes
Igtp	9.54	18.03	0.92	1.39E-02	yes
Armcx3	9.81	17.48	0.83	1.41E-02	yes
Serac1	3.02	5.97	0.98	1.44E-02	yes
Mobkl2a	20.76	34.16	0.72	1.44E-02	yes
Pbk	63.16	38.50	-0.71	1.45E-02	yes
Rad51c	10.73	5.31	-1.01	1.45E-02	yes
Ptpre	3.22	6.27	0.96	1.49E-02	yes
Ryr1	0.09	0.27	1.69	1.49E-02	yes
Padi3	1.41	3.64	1.37	1.49E-02	yes
Ccr7	25.03	41.91	0.74	1.49E-02	yes
Pgam1	87.61	55.65	-0.65	1.49E-02	yes
Ptpn23	11.98	19.35	0.69	1.52E-02	yes
Mthfr	4.83	8.23	0.77	1.58E-02	yes
Wdr41	5.51	10.76	0.97	1.59E-02	yes
Plcd1	0.03	1.33	5.69	1.60E-02	yes
Fry	3.07	1.59	-0.95	1.60E-02	yes
Ctsl	2.60	6.44	1.31	1.61E-02	yes
Sh3kbp1	31.70	46.69	0.56	1.62E-02	yes
Ube2c	88.68	53.59	-0.73	1.62E-02	yes
Papss2	0.36	1.27	1.82	1.62E-02	yes
Siglecg	84.26	54.21	-0.64	1.62E-02	yes
Ankle1	42.84	26.45	-0.70	1.64E-02	yes
Nckap5	0.00	0.19	1.79769e+	1.64E-02	yes
Tmc6	29.06	44.83	0.63	1.65E-02	yes
Trim2	5.70	2.90	-0.98	1.65E-02	yes
Cbx4	15.12	24.00	0.67	1.65E-02	yes
Tnip1	11.22	18.82	0.75	1.67E-02	yes
Hnrnpab	151.62	108.41	-0.48	1.68E-02	yes
Etv5	6.21	2.97	-1.06	1.68E-02	yes
Tmem140	1.93	4.74	1.30	1.69E-02	yes
Klf8	1.23	3.05	1.31	1.69E-02	yes
Gen1	20.06	11.65	-0.78	1.69E-02	yes

Fam54a	16.66	8.71	-0.94	1.69E-02	yes
Kctd11	2.06	0.71	-1.53	1.69E-02	yes
Gcet2	2.28	0.70	-1.71	1.70E-02	yes
Znfx1	6.99	11.39	0.70	1.76E-02	yes
Bub1b	62.60	40.46	-0.63	1.76E-02	yes
Plk4	30.65	19.03	-0.69	1.77E-02	yes
Phka2	17.13	11.07	-0.63	1.79E-02	yes
Mvp	6.05	11.38	0.91	1.81E-02	yes
0610031J06Ri	23.43	39.93	0.77	1.81E-02	yes
Rad54b	18.05	10.09	-0.84	1.81E-02	yes
Gbp5	3.26	7.06	1.11	1.82E-02	yes
S100a8	6.79	19.30	1.51	1.83E-02	yes
Card9	3.15	7.41	1.23	1.84E-02	yes
H2-Q8	18.50	33.55	0.86	1.84E-02	yes
Uty	1.81	4.07	1.16	1.84E-02	yes
Dhcr7	11.07	19.40	0.81	1.84E-02	yes
Asb10	0.73	0.06	-3.56	1.84E-02	yes
Slc25a20	6.69	13.75	1.04	1.84E-02	yes
Gimap7	3.76	9.49	1.34	1.86E-02	yes
Rps6ka2	3.55	6.70	0.92	1.87E-02	yes
B3gnt9-ps	1.62	4.09	1.34	1.88E-02	yes
Tmem119	2.33	5.79	1.31	1.89E-02	yes
Ift122	8.62	4.72	-0.87	1.90E-02	yes
Acacb	0.26	0.73	1.50	1.90E-02	yes
Agpat9	27.38	44.11	0.69	1.90E-02	yes
Suz12	70.58	50.60	-0.48	1.91E-02	yes
2310021P13Ri	16.65	26.04	0.65	1.93E-02	yes
Asf1b	70.08	44.24	-0.66	1.95E-02	yes
Mpeg1	6.20	11.33	0.87	1.96E-02	yes
Fnip1	10.31	16.69	0.70	1.96E-02	yes
Coro1b	55.95	86.91	0.64	1.96E-02	yes
Bbc3	1.35	3.59	1.41	1.97E-02	yes
Chek1	20.82	12.22	-0.77	1.97E-02	yes
Jakmip1	28.03	17.08	-0.71	1.98E-02	yes
Ceacam16	1.18	3.48	1.56	1.98E-02	yes
Smpd13a	7.32	15.08	1.04	1.98E-02	yes
H2-K2	3.89	9.20	1.24	1.99E-02	yes
Tbc1d16	0.89	2.03	1.19	1.99E-02	yes
Rnf26	56.76	36.15	-0.65	2.00E-02	yes
Pisd	22.07	36.34	0.72	2.03E-02	yes
Hsd11b1	1.08	4.05	1.91	2.06E-02	yes
Katnal1	6.84	3.75	-0.87	2.08E-02	yes

Fanci	17.10	10.42	-0.71	2.08E-02	yes
Wdr62	13.90	8.39	-0.73	2.08E-02	yes
Capn11	0.68	2.02	1.57	2.11E-02	yes
Brip1	13.95	8.64	-0.69	2.11E-02	yes
Actn1	1.66	3.83	1.20	2.12E-02	yes
Zbed4	16.76	10.39	-0.69	2.12E-02	yes
6030408B16Ri	6.93	2.92	-1.25	2.12E-02	yes
D18Ert653e	9.16	16.74	0.87	2.13E-02	yes
Micall2	0.66	1.86	1.48	2.13E-02	yes
6430527G18Ri	6.73	3.44	-0.97	2.13E-02	yes
Ccdc40	0.25	0.77	1.59	2.15E-02	yes
Aurka	40.15	24.63	-0.71	2.15E-02	yes
Rsph1	20.09	9.78	-1.04	2.17E-02	yes
Magee2	3.63	1.37	-1.41	2.17E-02	yes
Mcm5	76.52	50.17	-0.61	2.19E-02	yes
Adamts3	0.00	0.18	1.79769e+	2.20E-02	yes
Exo1	13.17	7.98	-0.72	2.20E-02	yes
Kcnj2	0.98	0.31	-1.66	2.21E-02	yes
Sema4d	30.47	46.88	0.62	2.22E-02	yes
Zfp28	1.28	3.04	1.24	2.22E-02	yes
Apbb1	3.16	6.79	1.11	2.22E-02	yes
Il27ra	6.28	11.80	0.91	2.22E-02	yes
Tspan32	17.94	30.10	0.75	2.23E-02	yes
Gm672	0.55	1.38	1.33	2.24E-02	yes
Nlr1	2.65	5.37	1.02	2.24E-02	yes
S100a9	8.17	20.06	1.30	2.25E-02	yes
Acsl4	21.94	14.52	-0.60	2.26E-02	yes
Xaf1	12.53	21.57	0.78	2.27E-02	yes
Arap3	0.68	1.74	1.37	2.28E-02	yes
Osm	3.12	7.17	1.20	2.29E-02	yes
Vwa5a	11.76	18.87	0.68	2.31E-02	yes
Lta	0.35	1.52	2.12	2.34E-02	yes
Ywhah	164.40	108.00	-0.61	2.34E-02	yes
Cd2	6.78	2.52	-1.43	2.34E-02	yes
Cenpa	68.10	42.34	-0.69	2.35E-02	yes
Nfe2l2	23.54	37.60	0.68	2.38E-02	yes
Smchd1	39.81	26.14	-0.61	2.39E-02	yes
Ckap2	29.72	18.18	-0.71	2.40E-02	yes
Ctsd	29.09	46.56	0.68	2.41E-02	yes
Nt5dc2	36.57	21.21	-0.79	2.41E-02	yes
Zwilch	23.97	14.29	-0.75	2.41E-02	yes
Bcl2l1	34.88	21.68	-0.69	2.42E-02	yes

Skp2	28.63	18.80	-0.61	2.43E-02	yes
Gm13157	7.86	14.60	0.89	2.46E-02	yes
F630043A04Ri	22.28	12.77	-0.80	2.46E-02	yes
Osbp2	0.03	0.51	4.21	2.46E-02	yes
Wdr76	34.08	22.00	-0.63	2.46E-02	yes
Tlcd2	2.01	5.57	1.47	2.46E-02	yes
Srsf10	133.81	97.16	-0.46	2.46E-02	yes
Vav2	16.52	26.18	0.66	2.48E-02	yes
Pcna	483.76	314.02	-0.62	2.48E-02	yes
Slamf1	0.37	1.34	1.86	2.50E-02	yes
Nfkbie	20.72	33.39	0.69	2.53E-02	yes
Lhpp	15.09	26.43	0.81	2.55E-02	yes
Fn3k	0.05	0.64	3.59	2.55E-02	yes
lpmk	20.15	12.80	-0.65	2.56E-02	yes
Hspa1a	0.93	0.27	-1.78	2.56E-02	yes
Xk	9.71	5.43	-0.84	2.57E-02	yes
Plekhm2	5.10	9.06	0.83	2.62E-02	yes
Cks2	95.46	57.70	-0.73	2.63E-02	yes
Ctsg	3.30	1.02	-1.69	2.65E-02	yes
Aqp1	1.14	0.35	-1.71	2.66E-02	yes
Capn5	4.72	8.48	0.85	2.68E-02	yes
Nipa1	0.76	2.38	1.64	2.70E-02	yes
Dkk1	4.08	9.98	1.29	2.73E-02	yes
Lama4	0.08	0.35	2.04	2.73E-02	yes
Ugt1a7c	2.85	6.27	1.14	2.73E-02	yes
Arhgap33	27.99	18.14	-0.63	2.73E-02	yes
Prtn3	5.19	1.82	-1.51	2.73E-02	yes
Abcg1	11.66	18.38	0.66	2.73E-02	yes
Abcb1b	3.77	7.14	0.92	2.75E-02	yes
Mxd1	5.64	9.87	0.81	2.75E-02	yes
Cdca3	62.30	39.59	-0.65	2.76E-02	yes
Cenpn	38.72	23.57	-0.72	2.77E-02	yes
Sspn	1.05	0.34	-1.62	2.77E-02	yes
C530008M17R	0.27	0.75	1.48	2.86E-02	yes
Anxa4	3.75	8.29	1.14	2.86E-02	yes
Lyst	8.30	12.75	0.62	2.86E-02	yes
Ppil5	15.41	7.60	-1.02	2.86E-02	yes
Itm2c	7.44	14.09	0.92	2.87E-02	yes
Lonrf3	1.81	0.79	-1.19	2.87E-02	yes
Aurkb	63.79	41.45	-0.62	2.88E-02	yes
Adck2	3.73	7.29	0.97	2.88E-02	yes
Ndc80	32.76	20.27	-0.69	2.89E-02	yes

Hspd1	140.31	93.17	-0.59	2.93E-02	yes
Cdyl2	3.29	6.93	1.07	2.94E-02	yes
Lrdd	26.58	16.66	-0.67	2.95E-02	yes
Fam107b	93.64	62.17	-0.59	2.96E-02	yes
Pdzd4	3.74	7.02	0.91	2.96E-02	yes
Fbxo5	65.36	42.08	-0.64	2.98E-02	yes
Paqr8	1.20	2.84	1.25	3.01E-02	yes
Crtc1	6.63	10.87	0.71	3.02E-02	yes
Bach1	11.24	17.81	0.66	3.03E-02	yes
Khdrbs3	4.84	1.97	-1.30	3.05E-02	yes
Carns1	21.22	33.37	0.65	3.07E-02	yes
Ppp1r9b	23.16	35.68	0.62	3.07E-02	yes
Cd4	0.22	0.82	1.88	3.08E-02	yes
Gpr56	89.77	132.74	0.56	3.10E-02	yes
Ly6a	7.28	17.86	1.29	3.10E-02	yes
Ncapd3	33.45	22.11	-0.60	3.11E-02	yes
Parvb	4.54	2.12	-1.10	3.12E-02	yes
Acox1	8.34	13.96	0.74	3.12E-02	yes
Mfhas1	1.47	0.61	-1.28	3.12E-02	yes
Pkd1l3	2.43	4.94	1.02	3.14E-02	yes
Uaca	16.59	25.54	0.62	3.14E-02	yes
Trim36	0.99	0.28	-1.80	3.15E-02	yes
Spint2	19.31	33.01	0.77	3.15E-02	yes
Dhfr	16.05	10.06	-0.67	3.15E-02	yes
Slc45a3	1.10	0.18	-2.59	3.16E-02	yes
Sh3bgrl2	1.42	3.31	1.22	3.20E-02	yes
Sec24a	6.11	10.03	0.72	3.20E-02	yes
Mad2l1	54.84	34.64	-0.66	3.22E-02	yes
Clcn7	12.20	19.37	0.67	3.25E-02	yes
Uevld	13.09	7.79	-0.75	3.25E-02	yes
BC094916	36.60	21.26	-0.78	3.27E-02	yes
Ssx2ip	11.54	6.46	-0.84	3.29E-02	yes
Maged2	2.18	4.97	1.19	3.29E-02	yes
Ddit4	11.99	21.36	0.83	3.29E-02	yes
B3gnt5	21.64	14.54	-0.57	3.29E-02	yes
Hspa12a	0.42	0.12	-1.81	3.29E-02	yes
Nsl1	22.22	13.62	-0.71	3.32E-02	yes
Lpin1	0.96	2.16	1.18	3.32E-02	yes
Tmem8b	1.22	2.74	1.17	3.35E-02	yes
Cacnb2	0.63	1.75	1.47	3.37E-02	yes
Fggy	1.62	4.02	1.31	3.42E-02	yes
Pfkip	12.49	19.80	0.67	3.42E-02	yes

Bend4	3.15	1.61	-0.97	3.42E-02	yes
Sgsh	3.80	6.94	0.87	3.47E-02	yes
Zmym6	8.73	14.54	0.74	3.47E-02	yes
Psrc1	21.17	12.30	-0.78	3.47E-02	yes
Ldhb	0.96	2.96	1.62	3.49E-02	yes
Sec16b	0.27	0.00	-1.79769e-	3.50E-02	yes
Anp32b	249.51	166.81	-0.58	3.51E-02	yes
Fchsd1	4.22	7.58	0.85	3.53E-02	yes
Gm5577	1.26	0.13	-3.25	3.53E-02	yes
9530077C05Ri	12.85	6.76	-0.93	3.53E-02	yes
Gria2	1.11	2.57	1.21	3.55E-02	yes
Incenp	68.21	45.71	-0.58	3.58E-02	yes
Kcnh4	0.16	0.63	2.01	3.59E-02	yes
Usp27x	0.75	1.96	1.39	3.59E-02	yes
Depdc1b	22.38	13.42	-0.74	3.61E-02	yes
D2Ert750e	30.49	19.64	-0.63	3.62E-02	yes
8430410A17Ri	20.67	11.21	-0.88	3.62E-02	yes
Tfdp1	114.93	76.88	-0.58	3.62E-02	yes
Csrnp1	24.86	38.42	0.63	3.63E-02	yes
Gm12250	6.58	12.16	0.89	3.64E-02	yes
Rrm1	76.02	51.06	-0.57	3.67E-02	yes
Lrrc33	34.41	51.83	0.59	3.68E-02	yes
Cplx2	67.89	104.96	0.63	3.73E-02	yes
Sema4b	17.24	26.60	0.63	3.73E-02	yes
Gucy1a3	0.00	0.17	1.79769e+	3.75E-02	yes
Abcb1a	0.51	1.32	1.36	3.78E-02	yes
Trpc3	0.02	0.68	5.21	3.78E-02	yes
Itgb3	2.25	4.32	0.94	3.80E-02	yes
Pknox1	28.31	19.63	-0.53	3.81E-02	yes
Chaf1a	37.70	25.00	-0.59	3.81E-02	yes
4930547N16Ri	17.75	10.84	-0.71	3.83E-02	yes
Manba	8.15	13.63	0.74	3.87E-02	yes
Hist1h1d	1.96	0.74	-1.41	3.87E-02	yes
Rhof	1.94	0.67	-1.53	3.87E-02	yes
Rasal1	9.96	5.48	-0.86	3.87E-02	yes
Spc24	38.28	23.09	-0.73	3.90E-02	yes
Mcm7	134.86	90.76	-0.57	3.94E-02	yes
Pla2g16	3.37	6.70	0.99	3.94E-02	yes
Akap6	0.02	0.19	3.38	3.96E-02	yes
9430015G10Ri	28.52	18.53	-0.62	3.96E-02	yes
Ankrd57	0.81	0.27	-1.57	4.02E-02	yes
Pgr	0.02	0.25	3.50	4.02E-02	yes

Wdsub1	3.55	7.40	1.06	4.05E-02	yes
Spata6	13.98	23.29	0.74	4.07E-02	yes
Tbc1d2b	4.18	7.14	0.77	4.08E-02	yes
Mybl1	7.60	3.98	-0.93	4.08E-02	yes
Palm3	0.24	0.84	1.79	4.08E-02	yes
Slc16a1	66.02	44.52	-0.57	4.08E-02	yes
Tmem109	26.16	15.77	-0.73	4.09E-02	yes
Retnlg	0.34	3.26	3.28	4.09E-02	yes
Sykb	105.73	74.81	-0.50	4.09E-02	yes
Rmnd1	7.43	13.90	0.90	4.10E-02	yes
D17H6S56E-3	3.01	5.68	0.92	4.10E-02	yes
Hnrnpc	125.61	96.53	-0.38	4.17E-02	yes
Cdca8	58.80	38.38	-0.62	4.19E-02	yes
Gm13152	0.54	2.06	1.93	4.23E-02	yes
Itgb1	23.64	35.71	0.60	4.27E-02	yes
Slbp	86.47	57.57	-0.59	4.27E-02	yes
Dlgap3	0.04	0.50	3.80	4.28E-02	yes
Susd3	3.70	1.38	-1.43	4.29E-02	yes
Fam119a	2.50	5.40	1.11	4.30E-02	yes
Pank1	6.15	3.15	-0.96	4.30E-02	yes
Ly75	3.92	6.91	0.82	4.31E-02	yes
Cisd3	3.82	1.21	-1.65	4.33E-02	yes
Odf3b	1.79	4.72	1.39	4.33E-02	yes
Myo5a	9.76	6.39	-0.61	4.34E-02	yes
Hist2h2be	13.83	7.61	-0.86	4.34E-02	yes
Rgs10	7.04	2.84	-1.31	4.38E-02	yes
St8sia6	0.29	0.00	-1.79769e	4.43E-02	yes
Klra2	0.43	0.00	-1.79769e	4.43E-02	yes
Ccdc122	0.68	2.16	1.67	4.43E-02	yes
Pnmal2	0.12	0.60	2.34	4.47E-02	yes
Plcg1	22.41	34.05	0.60	4.50E-02	yes
Celsr1	4.41	6.85	0.63	4.54E-02	yes
Mycl1	0.19	0.69	1.86	4.54E-02	yes
Cd59a	1.20	3.27	1.45	4.54E-02	yes
Sele	0.22	0.00	-1.79769e	4.57E-02	yes
Vim	82.86	55.46	-0.58	4.57E-02	yes
Ksr1	6.79	11.20	0.72	4.61E-02	yes
Mgst2	19.11	36.97	0.95	4.61E-02	yes
Sirt2	18.58	28.96	0.64	4.67E-02	yes
4930572J05RiH	18.46	30.60	0.73	4.68E-02	yes
Mex3b	10.61	6.02	-0.82	4.74E-02	yes
Lrrc27	1.32	3.26	1.30	4.76E-02	yes

Gimap5	8.24	14.94	0.86	4.78E-02	yes
Cdc25c	17.10	9.59	-0.83	4.80E-02	yes
Hnf1b	0.56	1.63	1.55	4.82E-02	yes
Edn2	0.00	0.39	1.79769e+	4.82E-02	yes
Chtf18	19.72	12.39	-0.67	4.82E-02	yes
Zc3h12a	8.36	14.12	0.76	4.84E-02	yes
Ctps	24.45	15.36	-0.67	4.87E-02	yes
Lcn2	0.57	2.41	2.08	4.88E-02	yes
Eef2k	38.45	57.21	0.57	4.88E-02	yes
Cad	31.67	21.57	-0.55	4.93E-02	yes
Tmem154	4.78	8.92	0.90	4.97E-02	yes
Mns1	21.47	12.84	-0.74	4.97E-02	yes
Ptpn6	59.18	40.35	-0.55	4.98E-02	yes
Rangap1	61.35	42.32	-0.54	4.99E-02	yes
Gm6682	44.27	27.49	-0.69	5.00E-02	yes
Hnrnp3	24.14	14.49	-0.74	5.00E-02	yes
Ran	126.45	86.32	-0.55	5.08E-02	no
Eif1ad	42.94	28.37	-0.60	5.09E-02	no
4632428C04Ri	3.05	1.28	-1.25	5.11E-02	no
Aig1	2.32	5.73	1.30	5.12E-02	no
Brwd1	8.13	5.26	-0.63	5.14E-02	no
Armcx6	1.47	3.55	1.27	5.18E-02	no
Ska1	13.25	7.74	-0.78	5.18E-02	no
Flrt1	0.27	0.06	-2.16	5.18E-02	no
Med13l	22.61	33.92	0.58	5.20E-02	no
Ngly1	14.41	23.00	0.67	5.20E-02	no
Gna11	19.62	30.10	0.62	5.21E-02	no
Mlh3	4.48	7.67	0.78	5.24E-02	no
Cpt1a	26.30	38.93	0.57	5.24E-02	no
Map4k2	54.74	81.17	0.57	5.24E-02	no
Gsto1	14.92	26.45	0.83	5.27E-02	no
Cep290	3.09	5.23	0.76	5.27E-02	no
Mtor	18.91	12.84	-0.56	5.27E-02	no
Gclc	45.38	30.18	-0.59	5.28E-02	no
Bend5	2.63	5.72	1.12	5.32E-02	no
St3gal6	15.76	8.31	-0.92	5.32E-02	no
Hepacam2	0.28	0.00	-1.79769e-	5.33E-02	no
Lingo1	0.00	0.15	1.79769e+	5.37E-02	no
Foxred2	6.60	10.56	0.68	5.38E-02	no
Mxd4	20.45	34.02	0.73	5.39E-02	no
Gsg2	20.28	12.67	-0.68	5.41E-02	no
Trim6	1.17	2.78	1.25	5.42E-02	no

Pik3r4	11.24	17.20	0.61	5.42E-02	no
Gpsm2	18.53	11.71	-0.66	5.44E-02	no
Eri1	31.16	21.06	-0.57	5.45E-02	no
Wwox	2.84	5.86	1.05	5.52E-02	no
Chpf	3.76	1.64	-1.19	5.54E-02	no
Rdm1	21.70	11.76	-0.88	5.54E-02	no
Pipox	7.81	3.73	-1.07	5.54E-02	no
Chd2	12.20	18.06	0.57	5.55E-02	no
Mms22l	24.81	16.48	-0.59	5.55E-02	no
H2-D1	127.40	187.18	0.56	5.55E-02	no
Arl8a	14.59	24.35	0.74	5.61E-02	no
Dgke	15.45	23.15	0.58	5.62E-02	no
Dnajc9	74.27	49.91	-0.57	5.62E-02	no
Galns	16.08	9.81	-0.71	5.62E-02	no
Cdkn2c	41.78	25.00	-0.74	5.62E-02	no
Spna1	0.06	0.00	-1.79769e	5.65E-02	no
Rnf141	31.29	17.43	-0.84	5.65E-02	no
Slc38a7	4.51	8.18	0.86	5.65E-02	no
Pde8a	1.72	3.80	1.14	5.67E-02	no
Gm16386	1.67	5.00	1.58	5.67E-02	no
Diap3	16.07	9.99	-0.69	5.67E-02	no
Ccdc34	19.48	11.38	-0.77	5.67E-02	no
Rnase12	7.45	18.39	1.30	5.71E-02	no
Add3	23.19	16.11	-0.53	5.71E-02	no
Rassf2	24.23	36.00	0.57	5.71E-02	no
Dgcr8	33.42	22.60	-0.56	5.72E-02	no
Trem12	20.65	30.54	0.56	5.73E-02	no
Slc35c2	16.77	27.07	0.69	5.77E-02	no
Hirip3	37.19	24.94	-0.58	5.77E-02	no
Mis12	29.90	19.55	-0.61	5.77E-02	no
Kcnh2	0.09	0.38	2.03	5.77E-02	no
Fam102a	2.83	5.29	0.90	5.77E-02	no
Orai1	6.96	12.90	0.89	5.77E-02	no
Atf6	13.70	9.09	-0.59	5.77E-02	no
Prtg	0.07	0.26	1.89	5.81E-02	no
Zfp831	6.11	9.41	0.62	5.82E-02	no
Cpne5	4.36	2.28	-0.94	5.85E-02	no
Eme1	19.13	11.65	-0.72	5.86E-02	no
Lman2l	22.11	34.30	0.63	5.86E-02	no
Gna15	6.83	12.46	0.87	5.86E-02	no
Zfp715	17.95	27.10	0.59	5.87E-02	no
Ehd1	15.77	9.77	-0.69	5.87E-02	no

Nup160	24.76	16.76	-0.56	5.92E-02	no
Man2b2	9.90	15.67	0.66	5.94E-02	no
Slc25a36	18.50	28.70	0.63	5.94E-02	no
2810408A11Ri	6.76	3.25	-1.06	5.94E-02	no
Mki67	179.58	110.52	-0.70	5.95E-02	no
H2-T10	19.76	31.39	0.67	5.96E-02	no
Nup133	17.71	11.80	-0.59	5.96E-02	no
Pard6g	15.61	9.53	-0.71	5.96E-02	no
Fam43a	31.49	46.55	0.56	5.97E-02	no
Bach2	71.82	48.29	-0.57	5.99E-02	no
Ngp	2.49	5.89	1.24	6.00E-02	no
3425401B19Ri	0.08	0.00	-1.79769e	6.00E-02	no
Kif23	47.67	32.57	-0.55	6.00E-02	no
Fyb	0.63	1.65	1.40	6.01E-02	no
Lass6	3.78	1.85	-1.03	6.01E-02	no
Ifi44	4.13	8.14	0.98	6.02E-02	no
Ccdc99	17.38	10.58	-0.72	6.05E-02	no
Itgb2	14.52	22.52	0.63	6.07E-02	no
Cdc23	26.13	17.45	-0.58	6.08E-02	no
B3gnt3	1.57	3.72	1.24	6.09E-02	no
Ddx60	2.09	4.00	0.94	6.13E-02	no
Tmem48	22.12	13.69	-0.69	6.13E-02	no
Ssrp1	112.35	81.94	-0.46	6.14E-02	no
Sorl1	4.22	2.40	-0.81	6.15E-02	no
Mdfic	3.63	6.82	0.91	6.17E-02	no
Ahdc1	12.63	8.30	-0.61	6.17E-02	no
Igsf3	0.36	0.12	-1.57	6.17E-02	no
Ly6d	45.12	72.45	0.68	6.18E-02	no
Tlr4	4.94	8.86	0.84	6.22E-02	no
Sash3	51.75	75.38	0.54	6.22E-02	no
Carm1	24.21	16.00	-0.60	6.22E-02	no
Atoh8	0.55	0.09	-2.54	6.23E-02	no
Lrp4	0.17	0.51	1.59	6.25E-02	no
Cdc27	31.72	21.73	-0.55	6.25E-02	no
Rcsd1	92.94	124.88	0.43	6.30E-02	no
Phldb3	19.81	30.15	0.61	6.31E-02	no
Cd300c	0.18	2.40	3.72	6.34E-02	no
Ttf2	22.69	15.31	-0.57	6.34E-02	no
Lmnb1	136.16	93.85	-0.54	6.35E-02	no
C1qb	1.31	0.23	-2.52	6.38E-02	no
Exoc6b	1.28	2.64	1.04	6.39E-02	no
Cst7	3.38	7.76	1.20	6.50E-02	no

Robo4	1.55	0.61	-1.34	6.56E-02	no
Chml	13.53	8.78	-0.62	6.58E-02	no
Tlr1	1.69	0.62	-1.45	6.62E-02	no
Gm10584	1.76	0.71	-1.30	6.62E-02	no
Sh2b1	44.59	59.66	0.42	6.63E-02	no
Txlnb	0.07	0.34	2.39	6.64E-02	no
Arrdc5	0.95	2.83	1.58	6.64E-02	no
Traip	11.72	6.80	-0.78	6.64E-02	no
Srsf1	117.22	89.03	-0.40	6.69E-02	no
Alms1	12.38	8.40	-0.56	6.72E-02	no
Lin54	14.91	9.75	-0.61	6.77E-02	no
Zdhhc13	14.95	23.85	0.67	6.78E-02	no
Armc3	0.72	1.82	1.33	6.79E-02	no
Rab11fip5	1.96	3.78	0.95	6.80E-02	no
Rell1	11.67	18.46	0.66	6.80E-02	no
Tdp1	24.39	15.34	-0.67	6.80E-02	no
Larp1b	10.53	5.49	-0.94	6.80E-02	no
Wdr67	22.14	15.02	-0.56	6.83E-02	no
Scara5	0.00	0.15	1.79769e+	6.92E-02	no
Hps1	9.79	15.76	0.69	6.92E-02	no
Prkd2	30.40	44.38	0.55	6.92E-02	no
2610029G23Ri	20.35	12.56	-0.70	6.92E-02	no
Ccdc18	10.08	6.19	-0.70	6.92E-02	no
Xkr5	4.92	2.56	-0.94	6.92E-02	no
Grn	24.43	36.67	0.59	6.93E-02	no
Gpr174	2.01	4.05	1.01	6.93E-02	no
Zfp367	29.35	19.68	-0.58	6.96E-02	no
Reep1	0.71	0.23	-1.63	6.99E-02	no
Rad18	20.33	12.92	-0.65	6.99E-02	no
Slc43a1	13.37	20.42	0.61	7.04E-02	no
Srgn	100.89	66.83	-0.59	7.04E-02	no
E2f1	30.40	20.06	-0.60	7.04E-02	no
Abr	21.93	31.60	0.53	7.05E-02	no
Car2	32.58	20.79	-0.65	7.05E-02	no
Kcnc3	1.05	0.44	-1.27	7.05E-02	no
Birc3	16.78	25.76	0.62	7.07E-02	no
Pstpip1	9.42	16.11	0.77	7.08E-02	no
Tubb5	357.88	239.14	-0.58	7.08E-02	no
Pde4a	2.94	1.49	-0.98	7.08E-02	no
Capns2	0.45	1.72	1.93	7.11E-02	no
Pdlim2	8.12	14.67	0.85	7.11E-02	no
Mapkapk3	7.94	13.19	0.73	7.11E-02	no

Rfc1	37.19	25.76	-0.53	7.11E-02	no
Zyx	10.79	17.60	0.71	7.16E-02	no
Cldn13	0.51	0.00	-1.79769e-	7.17E-02	no
Ssh2	29.13	19.90	-0.55	7.17E-02	no
Hmox1	1.19	2.98	1.32	7.18E-02	no
Mobkl2b	0.71	1.82	1.35	7.19E-02	no
Grap	22.31	34.73	0.64	7.23E-02	no
Ammecr1	16.19	9.87	-0.71	7.23E-02	no
Wscd1	0.18	0.62	1.80	7.39E-02	no
Nlrc5	18.44	26.55	0.53	7.43E-02	no
Gbp3	5.15	9.32	0.86	7.48E-02	no
Slc1a5	122.18	178.75	0.55	7.53E-02	no
Baiap2	11.34	6.89	-0.72	7.61E-02	no
Ptges3	122.02	85.04	-0.52	7.65E-02	no
Trip13	21.78	13.59	-0.68	7.68E-02	no
Rnps1	142.96	109.25	-0.39	7.69E-02	no
Sidt2	21.68	31.60	0.54	7.69E-02	no
Fen1	57.34	39.54	-0.54	7.69E-02	no
Ints7	42.94	29.67	-0.53	7.77E-02	no
Strbp	20.97	14.61	-0.52	7.83E-02	no
Abcb9	0.33	0.90	1.45	7.84E-02	no
Plxdc1	13.74	21.24	0.63	7.84E-02	no
4930422G04Ri	15.69	10.67	-0.56	7.84E-02	no
Csgalnact1	5.51	9.32	0.76	7.88E-02	no
Fam83f	0.07	0.51	2.77	7.94E-02	no
Elovl6	37.33	25.97	-0.52	7.94E-02	no
Pqlc2	2.84	5.76	1.02	7.94E-02	no
Cdt1	41.61	28.24	-0.56	7.98E-02	no
Ica1	0.54	1.46	1.44	8.02E-02	no
H2-T22,H2-T9	25.16	38.18	0.60	8.03E-02	no
Suv39h1	42.95	29.63	-0.54	8.04E-02	no
Mcm4	65.79	46.12	-0.51	8.05E-02	no
Tbc1d4	3.25	5.41	0.74	8.06E-02	no
Ckap5	54.08	37.64	-0.52	8.07E-02	no
Rad51ap1	31.32	20.12	-0.64	8.09E-02	no
Kdm5b	6.80	10.56	0.64	8.10E-02	no
Rbp1	1.56	0.60	-1.38	8.11E-02	no
Pla2r1	0.00	0.08	1.79769e+	8.13E-02	no
Rb1	28.15	19.30	-0.54	8.13E-02	no
Thsd1	2.55	5.02	0.98	8.17E-02	no
Rel	16.18	25.08	0.63	8.18E-02	no
Gse1	44.40	58.47	0.40	8.18E-02	no

Prrg4	3.53	6.84	0.96	8.19E-02	no
Tspan2	20.90	13.88	-0.59	8.19E-02	no
Gm5465	7.98	4.38	-0.86	8.19E-02	no
4-Mar	0.00	0.10	1.79769e+	8.21E-02	no
Col6a4	0.03	0.18	2.48	8.21E-02	no
Arhgap26	8.22	12.21	0.57	8.22E-02	no
Nfatc2ip	23.50	15.62	-0.59	8.23E-02	no
Tonsl	16.22	10.79	-0.59	8.25E-02	no
Fah	0.49	1.46	1.58	8.27E-02	no
Prrt3	0.37	0.97	1.39	8.27E-02	no
Psmc1	66.52	45.46	-0.55	8.30E-02	no
Net1	25.77	17.92	-0.52	8.33E-02	no
Lrp11	0.27	0.81	1.58	8.33E-02	no
Galnt12	10.16	16.65	0.71	8.33E-02	no
Nudt21	103.66	71.17	-0.54	8.38E-02	no
Cacybp	57.42	38.29	-0.58	8.38E-02	no
Gpr146	3.27	8.23	1.33	8.39E-02	no
Fbxo32	4.06	7.52	0.89	8.42E-02	no
1700096K18Ri	1.35	3.38	1.33	8.43E-02	no
C330019L16Ri	1.66	3.29	0.99	8.43E-02	no
Nup155	23.65	16.40	-0.53	8.43E-02	no
11-Sep	51.73	35.76	-0.53	8.43E-02	no
Orc6	31.91	20.51	-0.64	8.43E-02	no
Hmgn1	44.99	28.67	-0.65	8.46E-02	no
Tpmt	1.02	0.36	-1.51	8.46E-02	no
Dusp22	16.21	9.87	-0.72	8.52E-02	no
Cep76	13.57	8.56	-0.66	8.53E-02	no
Sgip1	0.19	0.58	1.60	8.54E-02	no
Nlrp1a	1.43	2.94	1.04	8.54E-02	no
Smtnl2	19.96	30.08	0.59	8.54E-02	no
Gpr25	0.46	1.44	1.64	8.56E-02	no
H2afv	51.28	34.41	-0.58	8.66E-02	no
Pxn	24.21	33.82	0.48	8.68E-02	no
1700034F02Ri	0.27	0.00	-1.79769e-	8.69E-02	no
Ccnd2	30.82	43.91	0.51	8.69E-02	no
Slamf7	58.31	40.94	-0.51	8.69E-02	no
Prg3	3.11	0.07	-5.48	8.69E-02	no
Dopey2	4.03	6.40	0.67	8.70E-02	no
AW112010	13.07	24.50	0.91	8.78E-02	no
Nup205	42.59	30.03	-0.50	8.78E-02	no
Scarf1	0.82	0.28	-1.56	8.78E-02	no
Cenpk	19.45	11.19	-0.80	8.80E-02	no

Zan	0.34	0.71	1.07	8.87E-02	no
Fam105a	4.62	9.01	0.96	8.87E-02	no
Kdsr	5.44	8.79	0.69	8.88E-02	no
Pold3	39.08	27.04	-0.53	8.88E-02	no
9930012K11Ri	2.65	5.42	1.03	8.89E-02	no
A830007P12Ri	14.78	22.04	0.58	8.89E-02	no
Kpnb1	81.20	56.91	-0.51	8.89E-02	no
Atxn1	0.85	1.83	1.11	8.91E-02	no
Kcnb1	1.02	2.14	1.07	8.91E-02	no
Vdac3	72.39	50.34	-0.52	8.93E-02	no
Sass6	17.36	11.46	-0.60	8.93E-02	no
Lhfp	0.83	0.23	-1.85	8.96E-02	no
Gca	0.91	2.16	1.24	8.99E-02	no
Syvn1	93.68	72.11	-0.38	8.99E-02	no
Oip5	21.04	12.25	-0.78	8.99E-02	no
Fbxl20	8.19	12.04	0.56	9.00E-02	no
Abcd4	4.24	7.70	0.86	9.01E-02	no
Nmral1	42.81	27.57	-0.63	9.04E-02	no
Gltscr1	38.56	27.16	-0.51	9.05E-02	no
Zranb3	11.18	7.06	-0.66	9.05E-02	no
Nfya	57.99	42.96	-0.43	9.08E-02	no
Ddx58	9.76	14.80	0.60	9.10E-02	no
Map3k14	7.47	11.53	0.63	9.11E-02	no
Gm5088	18.55	12.09	-0.62	9.13E-02	no
Pydc3	4.83	2.50	-0.95	9.15E-02	no
Tmem35	0.28	0.00	-1.79769e	9.25E-02	no
Spib	115.17	81.29	-0.50	9.30E-02	no
Ankrd24	0.42	1.01	1.26	9.31E-02	no
Rnf168	21.14	14.42	-0.55	9.33E-02	no
Capn1	14.94	21.66	0.54	9.35E-02	no
Ren1	0.32	0.00	-1.79769e	9.35E-02	no
Kcnk6	2.45	4.54	0.89	9.36E-02	no
Sat1	25.08	40.21	0.68	9.36E-02	no
5031439G07Ri	27.36	19.14	-0.52	9.36E-02	no
5830418K08Ri	20.17	14.10	-0.52	9.36E-02	no
Pitpm1	17.71	12.23	-0.53	9.36E-02	no
2210404O07Ri	9.77	19.38	0.99	9.36E-02	no
Scn4a	2.56	4.35	0.76	9.36E-02	no
Obfc2a	9.58	15.68	0.71	9.36E-02	no
Itgax	0.17	0.51	1.63	9.36E-02	no
6720463M24R	28.38	18.73	-0.60	9.39E-02	no
Wrnip1	23.09	33.75	0.55	9.41E-02	no

Clec2h	0.12	0.76	2.68	9.41E-02	no
E2f3	19.25	13.19	-0.55	9.42E-02	no
Abhd14b	3.92	7.98	1.02	9.46E-02	no
Dtnbp1	19.62	30.76	0.65	9.47E-02	no
Zfp286	2.72	5.18	0.93	9.52E-02	no
Tacc3	42.82	29.66	-0.53	9.52E-02	no
Ccnb2	63.85	44.05	-0.54	9.53E-02	no
4933404O12Ri	7.52	4.43	-0.76	9.56E-02	no
Ntn1	0.77	1.64	1.09	9.58E-02	no
Elf4	34.83	49.39	0.50	9.60E-02	no
Zfp820	2.65	5.06	0.93	9.60E-02	no
Zfyve1	13.04	19.41	0.57	9.67E-02	no
Cyp4v3	1.60	3.38	1.08	9.71E-02	no
Zbtb10	3.94	2.28	-0.79	9.76E-02	no
Pbxip1	27.45	39.17	0.51	9.83E-02	no
Cd7	0.28	1.45	2.36	9.87E-02	no
Dbp	3.83	7.38	0.95	9.87E-02	no
Tceal1	0.71	2.32	1.70	9.90E-02	no
Nudt4	42.89	29.91	-0.52	9.90E-02	no
Sstr2	0.71	2.28	1.68	9.97E-02	no
Emcn	0.00	0.35	1.79769e+	1.00E-01	no
Crhbp	1.90	4.19	1.14	1.00E-01	no
Pon3	5.59	10.50	0.91	1.00E-01	no
Serpina3h	0.05	0.71	3.76	1.00E-01	no
Slc26a1	0.63	1.48	1.23	1.00E-01	no
Fam65b	29.84	39.90	0.42	1.00E-01	no
Snx5	88.01	114.98	0.39	1.00E-01	no
Pfn1	275.39	195.76	-0.49	1.00E-01	no
Phc1	21.99	15.65	-0.49	1.01E-01	no
Ephb6	0.92	2.00	1.11	1.01E-01	no
Armcx2	7.37	11.26	0.61	1.01E-01	no
Nagk	6.53	11.90	0.87	1.01E-01	no
Asrgl1	22.63	14.68	-0.62	1.01E-01	no
Kdm5d	3.11	5.29	0.77	1.02E-01	no
Plekhg3	13.26	8.92	-0.57	1.02E-01	no
Nkrf	12.30	7.57	-0.70	1.02E-01	no
Havcr2	0.11	0.54	2.35	1.02E-01	no
Tipin	47.11	30.78	-0.61	1.02E-01	no
4933437F05Ri	0.40	1.32	1.71	1.03E-01	no
Fes	5.39	9.10	0.76	1.03E-01	no
Wee1	34.22	23.81	-0.52	1.03E-01	no
Dars2	16.22	10.62	-0.61	1.03E-01	no

Gpr55	0.07	0.61	3.12	1.03E-01	no
Ethe1	18.48	29.12	0.66	1.03E-01	no
Lpcat2	3.79	7.07	0.90	1.03E-01	no
Cenpc1	25.28	17.13	-0.56	1.04E-01	no
Kctd17	2.44	5.20	1.09	1.04E-01	no
Ephx1	8.96	15.33	0.77	1.04E-01	no
Ampd3	4.06	6.85	0.76	1.04E-01	no
Il3ra	10.24	17.42	0.77	1.04E-01	no
Paxip1	28.16	19.83	-0.51	1.04E-01	no
Gm4975	0.75	0.28	-1.42	1.04E-01	no
Tagap1	33.88	48.55	0.52	1.04E-01	no
4632434I11Rik	9.72	5.80	-0.74	1.04E-01	no
Bco2	0.69	0.18	-1.96	1.05E-01	no
2610002D18Ri	15.20	8.51	-0.84	1.06E-01	no
Mst1r	0.41	0.14	-1.54	1.07E-01	no
Fam72a	8.60	4.66	-0.88	1.07E-01	no
Ap1s2	8.32	4.64	-0.84	1.07E-01	no
Tuba1c	14.21	8.41	-0.76	1.07E-01	no
Mical3	4.91	2.63	-0.90	1.07E-01	no
Snx8	18.57	27.30	0.56	1.07E-01	no
Hist1h1e	3.13	1.24	-1.33	1.08E-01	no
Grik5	2.88	5.10	0.82	1.08E-01	no
BC055324	18.95	12.25	-0.63	1.08E-01	no
Agpat3	14.87	21.89	0.56	1.08E-01	no
Rbbp7	84.57	60.14	-0.49	1.08E-01	no
Tnfrsf19	37.83	27.92	-0.44	1.09E-01	no
Eme2	6.49	11.60	0.84	1.09E-01	no
Avl9	11.20	16.23	0.54	1.09E-01	no
Scn11a	0.28	0.07	-1.97	1.09E-01	no
Rab30	0.75	0.06	-3.62	1.09E-01	no
Tom1l2	9.48	13.44	0.50	1.10E-01	no
Thns12	0.00	0.37	1.79769e+	1.10E-01	no
Swap70	26.14	18.23	-0.52	1.11E-01	no
Ccbp2	0.56	0.13	-2.05	1.11E-01	no
Cks1b	71.68	47.12	-0.61	1.11E-01	no
Ceacam9	0.09	0.91	3.41	1.11E-01	no
Cenpj	13.40	8.90	-0.59	1.11E-01	no
Arid5b	4.52	2.57	-0.81	1.11E-01	no
Vwf	0.02	0.16	3.13	1.11E-01	no
Akap12	57.29	82.11	0.52	1.11E-01	no
Zfp296	6.68	3.41	-0.97	1.11E-01	no
Ric3	0.25	0.67	1.41	1.12E-01	no

Ptk2	0.95	0.37	-1.38	1.12E-01	no
C130039O16R	10.28	14.11	0.46	1.12E-01	no
Mfsd1	18.90	27.86	0.56	1.14E-01	no
Pygl	2.59	4.93	0.93	1.14E-01	no
Dgkh	0.14	0.46	1.70	1.15E-01	no
Ribc2	0.00	0.24	1.79769e+	1.15E-01	no
Angptl2	2.12	3.97	0.90	1.15E-01	no
Usp49	11.50	7.72	-0.57	1.15E-01	no
Slc2a8	6.11	3.23	-0.92	1.15E-01	no
Pa2g4	76.02	54.32	-0.48	1.16E-01	no
Car3	4.95	2.38	-1.06	1.16E-01	no
Robo3	0.47	1.09	1.22	1.16E-01	no
Ipo5	60.87	43.69	-0.48	1.17E-01	no
Foxo3	10.02	15.36	0.62	1.17E-01	no
Trim30d	10.99	16.50	0.59	1.17E-01	no
Gucy2g	0.02	0.51	4.50	1.17E-01	no
Dbn1	0.00	0.12	1.79769e+	1.18E-01	no
Jmy	5.50	8.63	0.65	1.18E-01	no
Serpina3i	0.14	0.58	2.08	1.18E-01	no
Ak1	0.00	0.19	1.79769e+	1.18E-01	no
Phactr4	18.99	13.59	-0.48	1.19E-01	no
Tmem100	0.00	0.24	1.79769e+	1.19E-01	no
Serpinh1	0.00	0.31	1.79769e+	1.19E-01	no
Atp2a1	0.71	1.57	1.14	1.19E-01	no
Mdc1	25.82	18.49	-0.48	1.19E-01	no
Pydc4	4.24	2.09	-1.03	1.19E-01	no
Basp1	0.91	0.29	-1.66	1.20E-01	no
Ntn3	0.00	0.08	1.79769e+	1.20E-01	no
Ccr12	0.81	1.97	1.28	1.20E-01	no
2010317E24Ri	27.40	19.01	-0.53	1.20E-01	no
Plau	0.60	0.14	-2.07	1.20E-01	no
Oplah	0.48	1.10	1.21	1.20E-01	no
Ppp1r13b	4.49	7.25	0.69	1.20E-01	no
Unc13d	10.54	15.58	0.56	1.20E-01	no
Unc93b1	94.66	131.31	0.47	1.20E-01	no
Klc4	6.96	11.42	0.71	1.21E-01	no
9430020K01Ri	1.83	3.18	0.80	1.21E-01	no
Rpa2	42.66	29.33	-0.54	1.21E-01	no
Ppic	2.14	4.64	1.11	1.21E-01	no
Acsbg1	0.06	0.41	2.86	1.21E-01	no
Arhgap9	15.80	24.31	0.62	1.21E-01	no
Mr1	5.55	9.57	0.79	1.21E-01	no

H1f0	30.66	44.04	0.52	1.21E-01	no
Arl11	4.93	9.37	0.93	1.22E-01	no
D0H4S114	0.00	0.21	1.79769e+	1.22E-01	no
Hdgfl1	0.00	0.17	1.79769e+	1.22E-01	no
Supt16h	72.85	52.33	-0.48	1.22E-01	no
Npm3-ps1	38.69	24.35	-0.67	1.23E-01	no
Lpar1	0.37	1.04	1.49	1.24E-01	no
Zfp202	1.19	2.39	1.00	1.24E-01	no
Cbfb	83.66	63.87	-0.39	1.24E-01	no
Tmem86a	3.21	6.23	0.96	1.25E-01	no
Sf1	87.66	67.15	-0.38	1.25E-01	no
Gdi1	61.16	43.70	-0.48	1.25E-01	no
Satb2	0.58	0.23	-1.35	1.25E-01	no
Entpd4	7.15	11.39	0.67	1.25E-01	no
Thra	12.44	19.16	0.62	1.25E-01	no
Zfp937	0.77	1.54	1.00	1.25E-01	no
Nup85	37.03	25.58	-0.53	1.26E-01	no
Clec2g	0.51	1.35	1.40	1.26E-01	no
Capsl	12.05	21.12	0.81	1.26E-01	no
Qk	49.68	37.83	-0.39	1.26E-01	no
Zfp167	1.26	2.69	1.10	1.26E-01	no
Pfas	23.90	17.11	-0.48	1.27E-01	no
Dbf4	38.77	27.90	-0.47	1.27E-01	no
Klhdc8b	3.50	6.17	0.82	1.27E-01	no
Trim34a	15.06	22.72	0.59	1.27E-01	no
Pkn1	40.06	52.20	0.38	1.27E-01	no
Gm10818	1.05	0.26	-1.99	1.27E-01	no
Ssfa2	6.26	9.52	0.60	1.28E-01	no
ORF19	16.22	22.95	0.50	1.28E-01	no
Elof1	78.10	54.28	-0.53	1.28E-01	no
Selplg	32.95	46.58	0.50	1.28E-01	no
Tnfrsf1b	8.28	12.37	0.58	1.28E-01	no
Rfc4	37.35	24.03	-0.64	1.28E-01	no
Hist1h1b	5.25	2.27	-1.21	1.28E-01	no
Abcc10	2.08	3.66	0.82	1.28E-01	no
Pgm2l1	18.61	13.26	-0.49	1.28E-01	no
Pnp2	32.99	49.41	0.58	1.29E-01	no
Set	118.30	85.25	-0.47	1.29E-01	no
Plekhb2	11.62	17.53	0.59	1.29E-01	no
Ptger1	28.07	40.41	0.53	1.29E-01	no
Prkcc	1.10	0.44	-1.31	1.29E-01	no
Ubtf	43.14	33.28	-0.37	1.30E-01	no

E130012A19Ri	4.28	2.24	-0.93	1.30E-01	no
Ube2n	27.86	19.44	-0.52	1.30E-01	no
Ly6c1	2.58	6.04	1.22	1.31E-01	no
BC030867	12.68	7.89	-0.68	1.32E-01	no
Orc1	9.41	5.70	-0.72	1.32E-01	no
Gm6531	3.98	2.00	-0.99	1.33E-01	no
Usp44	1.28	0.54	-1.24	1.33E-01	no
Igsf8	29.67	20.37	-0.54	1.33E-01	no
Cyp39a1	2.68	1.31	-1.03	1.34E-01	no
Hmgb3	21.48	13.42	-0.68	1.34E-01	no
4930534B04Ri	15.24	10.54	-0.53	1.34E-01	no
Pgk1	150.94	109.38	-0.46	1.34E-01	no
Dvl2	15.24	22.30	0.55	1.35E-01	no
Tjp2	5.40	3.33	-0.70	1.35E-01	no
Tnf	0.82	2.08	1.33	1.35E-01	no
Sun2	51.96	72.11	0.47	1.35E-01	no
Dusp9	0.29	0.78	1.45	1.36E-01	no
Slc20a1	42.12	31.23	-0.43	1.36E-01	no
4930426L09Ri	0.27	0.99	1.88	1.36E-01	no
Srd5a3	8.45	14.36	0.76	1.36E-01	no
Top1	50.64	36.56	-0.47	1.36E-01	no
Gnptab	27.07	19.35	-0.48	1.36E-01	no
Taf9	113.88	87.49	-0.38	1.36E-01	no
Ybx1	173.52	125.50	-0.47	1.36E-01	no
Mbnl3	27.36	19.75	-0.47	1.37E-01	no
Ncf4	12.62	20.14	0.67	1.37E-01	no
Gp49a	0.36	1.21	1.75	1.37E-01	no
Igfbp4	28.92	19.54	-0.57	1.38E-01	no
Erp29	59.94	41.78	-0.52	1.38E-01	no
Crebl2	3.81	6.85	0.85	1.38E-01	no
Ier5l	1.80	0.72	-1.32	1.39E-01	no
Nfyb	32.15	22.06	-0.54	1.39E-01	no
Parp4	11.31	16.10	0.51	1.40E-01	no
Arfgap3	4.25	7.32	0.78	1.40E-01	no
2700081O15Ri	18.06	12.67	-0.51	1.40E-01	no
Chek2	14.59	9.05	-0.69	1.41E-01	no
Flt3	1.69	3.45	1.03	1.42E-01	no
Tapbpl	11.08	17.21	0.63	1.42E-01	no
Gbp9	14.65	21.36	0.54	1.44E-01	no
Hn1l	34.75	24.36	-0.51	1.44E-01	no
Zfand1	8.53	14.62	0.78	1.46E-01	no
Il16	32.58	45.17	0.47	1.46E-01	no

Ssh3	13.86	20.40	0.56	1.47E-01	no
Eif2s3x	119.17	86.43	-0.46	1.48E-01	no
Alox5ap	11.58	20.66	0.84	1.48E-01	no
Pex1	7.14	10.78	0.59	1.48E-01	no
Fbxl5	38.03	27.43	-0.47	1.48E-01	no
Hist1h1c	8.58	4.71	-0.86	1.48E-01	no
Phf17	21.14	16.12	-0.39	1.48E-01	no
Edaradd	11.73	17.87	0.61	1.48E-01	no
Ppp1r3b	1.61	3.04	0.91	1.48E-01	no
Tbc1d9b	14.92	20.92	0.49	1.48E-01	no
Setd8	49.44	35.61	-0.47	1.48E-01	no
Phf6	32.85	23.52	-0.48	1.48E-01	no
Lfng	20.85	30.26	0.54	1.50E-01	no
Paics	71.08	51.51	-0.46	1.50E-01	no
Eml6	0.19	0.45	1.22	1.50E-01	no
Lmnb2	34.40	24.71	-0.48	1.50E-01	no
Clic5	3.13	5.10	0.71	1.50E-01	no
Pdzd2	0.61	1.11	0.86	1.50E-01	no
Anxa11	29.72	41.88	0.49	1.50E-01	no
Nedd9	58.64	45.57	-0.36	1.50E-01	no
Zbtb45	14.77	9.25	-0.68	1.50E-01	no
Irf7	7.15	11.99	0.75	1.50E-01	no
Rsph9	25.80	15.53	-0.73	1.50E-01	no
Gm12185	1.04	2.03	0.96	1.51E-01	no
Hivep3	8.37	11.69	0.48	1.51E-01	no
Gm6525	11.21	5.41	-1.05	1.51E-01	no
Fam101a	0.67	0.12	-2.49	1.51E-01	no
Prkag3	0.13	0.00	-1.79769e	1.52E-01	no
Trp53inp2	7.72	4.75	-0.70	1.52E-01	no
Usp1	77.38	56.35	-0.46	1.52E-01	no
Litaf	28.56	19.38	-0.56	1.52E-01	no
Tesk1	14.07	9.47	-0.57	1.53E-01	no
Med14	33.52	25.29	-0.41	1.53E-01	no
Atad1	46.19	33.03	-0.48	1.54E-01	no
Tlr7	1.55	3.14	1.02	1.54E-01	no
Stip1	63.11	45.73	-0.46	1.54E-01	no
Chka	20.10	27.80	0.47	1.55E-01	no
Acaca	14.35	10.33	-0.47	1.55E-01	no
2700046G09Ri	0.65	1.63	1.33	1.55E-01	no
Oaz1	170.44	124.12	-0.46	1.56E-01	no
Peg10	0.40	0.15	-1.40	1.56E-01	no
Atad2	49.58	36.19	-0.45	1.56E-01	no

Fam55c	15.48	22.15	0.52	1.56E-01	no
Cysltr2	0.55	1.85	1.75	1.56E-01	no
Rgs1	0.43	1.30	1.61	1.56E-01	no
Mxd3	32.48	21.55	-0.59	1.57E-01	no
Aph1c	0.52	1.14	1.14	1.57E-01	no
Leprotl1	11.75	18.24	0.63	1.57E-01	no
Gmn	46.02	30.57	-0.59	1.57E-01	no
Ddx3y	5.39	8.56	0.67	1.58E-01	no
Foxj2	4.08	6.44	0.66	1.58E-01	no
Pwwp2b	3.18	5.58	0.81	1.59E-01	no
Rbmx	67.16	52.32	-0.36	1.59E-01	no
Car5b	0.12	0.44	1.83	1.59E-01	no
Lsm2	56.35	38.26	-0.56	1.59E-01	no
C1qtnf5	0.40	0.00	-1.79769e	1.59E-01	no
Myo6	0.38	0.81	1.08	1.59E-01	no
Dak	7.80	12.52	0.68	1.59E-01	no
Rfx3	7.10	4.87	-0.54	1.59E-01	no
Asah2	4.63	7.42	0.68	1.60E-01	no
Rpl14	242.64	177.65	-0.45	1.60E-01	no
Qrs1	19.49	12.62	-0.63	1.61E-01	no
Fam84b	3.89	6.17	0.66	1.61E-01	no
Ehbp1l1	29.56	23.03	-0.36	1.61E-01	no
Fancm	11.67	8.25	-0.50	1.62E-01	no
Slc37a3	4.26	2.41	-0.82	1.62E-01	no
Adk	19.20	12.03	-0.67	1.62E-01	no
Tesk2	6.86	4.06	-0.76	1.62E-01	no
Arhgef11	6.37	4.13	-0.62	1.62E-01	no
Fat1	0.02	0.00	-1.79769e	1.62E-01	no
Fgfr4	0.11	0.00	-1.79769e	1.62E-01	no
Ppbb	0.44	0.00	-1.79769e	1.62E-01	no
Plekhg2	27.89	21.31	-0.39	1.62E-01	no
Tnfrsf14	11.75	20.12	0.78	1.63E-01	no
Abcc4	1.94	3.27	0.76	1.63E-01	no
Bcas3	6.33	9.78	0.63	1.63E-01	no
Neb	0.14	0.28	1.03	1.64E-01	no
Tubb2a-ps2	6.08	11.95	0.97	1.64E-01	no
Fbxw4	4.07	7.22	0.83	1.64E-01	no
Nipal3	8.81	12.73	0.53	1.64E-01	no
Nudc	87.52	63.52	-0.46	1.64E-01	no
Lrrc16a	1.80	0.94	-0.93	1.64E-01	no
Pabpc1	296.84	211.79	-0.49	1.64E-01	no
Cd200r1	0.21	0.84	1.99	1.65E-01	no

Scn8a	0.04	0.00	-1.79769e	1.65E-01	no
2010011120Rik	2.35	4.28	0.87	1.65E-01	no
Gstt3	4.02	7.28	0.86	1.65E-01	no
Kctd3	15.19	10.39	-0.55	1.65E-01	no
Ncf1	4.99	2.73	-0.87	1.65E-01	no
Hspa4	53.87	39.55	-0.45	1.65E-01	no
Cbx7	12.49	18.33	0.55	1.66E-01	no
Xpo1	71.65	53.00	-0.43	1.66E-01	no
Tead2	1.14	2.39	1.07	1.66E-01	no
Gm11110	0.97	2.54	1.38	1.66E-01	no
Rad21	97.20	71.27	-0.45	1.66E-01	no
Gfra1	42.52	30.62	-0.47	1.66E-01	no
H2-T9	4.71	8.37	0.83	1.66E-01	no
Rnf123	14.62	20.51	0.49	1.66E-01	no
Hspb6	6.65	3.46	-0.94	1.66E-01	no
Etnk2	0.45	0.08	-2.57	1.66E-01	no
Fam63b	24.87	34.07	0.45	1.67E-01	no
2610021K21Ri	5.48	2.95	-0.89	1.67E-01	no
Zfp575	0.93	1.97	1.08	1.67E-01	no
Samd1	33.48	23.51	-0.51	1.68E-01	no
Odc1	15.31	9.95	-0.62	1.68E-01	no
Gm71	10.12	5.43	-0.90	1.68E-01	no
Gpr137c	0.76	0.27	-1.50	1.69E-01	no
Creb5	0.00	0.14	1.79769e+	1.69E-01	no
Enah	0.00	0.10	1.79769e+	1.69E-01	no
Grm8	0.00	0.11	1.79769e+	1.69E-01	no
Pdzd3	0.00	0.14	1.79769e+	1.69E-01	no
Ddit3	10.50	17.99	0.78	1.69E-01	no
Sin3a	41.26	32.71	-0.34	1.69E-01	no
Lyar	36.48	25.23	-0.53	1.69E-01	no
Slc12a8	0.00	0.12	1.79769e+	1.70E-01	no
Nrxn2	0.46	0.98	1.08	1.70E-01	no
Alpk1	5.20	7.96	0.62	1.70E-01	no
Tgfbr2	26.05	33.73	0.37	1.70E-01	no
Mif4gd	16.72	10.43	-0.68	1.70E-01	no
Mcm2	74.13	54.59	-0.44	1.70E-01	no
Rfc5	36.61	25.38	-0.53	1.70E-01	no
Tmem2	4.22	2.66	-0.67	1.70E-01	no
Dhtkd1	0.20	0.55	1.49	1.70E-01	no
5830411N06Ri	0.00	0.12	1.79769e+	1.70E-01	no
Actn2	0.00	0.11	1.79769e+	1.70E-01	no
Gimap9	23.46	35.35	0.59	1.71E-01	no

Gins2	33.83	22.00	-0.62	1.71E-01	no
Hmgn5	37.52	26.58	-0.50	1.71E-01	no
Grhl2	0.00	0.07	1.79769e+	1.71E-01	no
Neurl1a	0.00	0.09	1.79769e+	1.71E-01	no
Gramd1c	1.70	3.25	0.93	1.71E-01	no
Gpr97	14.50	21.53	0.57	1.71E-01	no
Ticam2	6.64	10.46	0.66	1.71E-01	no
Blnk	72.00	99.05	0.46	1.71E-01	no
Zdhhc1	3.31	6.00	0.86	1.72E-01	no
Pnp	38.75	53.61	0.47	1.72E-01	no
Hdac7	53.98	73.95	0.45	1.72E-01	no
Nup50	41.04	30.12	-0.45	1.73E-01	no
Fpgt	3.84	6.56	0.77	1.73E-01	no
Lbr	91.46	67.27	-0.44	1.73E-01	no
Pld2	0.96	1.92	1.01	1.73E-01	no
Gbp11	0.39	0.99	1.33	1.73E-01	no
Prssl1	1.78	3.37	0.92	1.73E-01	no
Aldh6a1	3.81	6.44	0.76	1.73E-01	no
Acsl3	6.02	3.58	-0.75	1.73E-01	no
Gclm	11.48	6.66	-0.78	1.73E-01	no
Zfp94	5.22	8.45	0.70	1.74E-01	no
Anks1	23.28	32.19	0.47	1.74E-01	no
Tctn1	10.36	6.16	-0.75	1.74E-01	no
Scd2	40.78	29.95	-0.45	1.74E-01	no
Tmem108	14.07	19.96	0.50	1.74E-01	no
Meox1	1.55	3.09	0.99	1.75E-01	no
2210016F16Ri	6.47	3.77	-0.78	1.75E-01	no
Mfsd4	18.53	25.76	0.48	1.75E-01	no
Mcam	0.03	0.69	4.73	1.76E-01	no
Mmp8	0.34	0.94	1.45	1.76E-01	no
Sp3	55.76	43.51	-0.36	1.76E-01	no
Gpr137b	2.85	5.12	0.84	1.76E-01	no
Card11	8.09	5.29	-0.61	1.76E-01	no
Sgk3	5.56	8.29	0.58	1.77E-01	no
Ostm1	14.27	20.74	0.54	1.77E-01	no
Ktn1	23.70	17.16	-0.47	1.77E-01	no
Pold2	36.54	25.43	-0.52	1.77E-01	no
Cenpw	12.26	6.96	-0.82	1.77E-01	no
Rasal2	1.30	0.72	-0.85	1.77E-01	no
2610002J02Ri	5.90	3.00	-0.97	1.77E-01	no
Spa17	2.17	0.64	-1.76	1.77E-01	no
Tpcn1	16.30	11.53	-0.50	1.77E-01	no

Padi2	4.19	6.54	0.64	1.77E-01	no
Hpcal1	4.80	8.57	0.83	1.77E-01	no
Ankrd9	5.01	2.81	-0.83	1.77E-01	no
Cd300a	0.33	0.74	1.18	1.77E-01	no
Sln3	14.75	9.13	-0.69	1.78E-01	no
Hyls1	21.99	14.24	-0.63	1.78E-01	no
Nedd4	43.63	32.11	-0.44	1.78E-01	no
Avpi1	0.39	1.24	1.68	1.79E-01	no
Ndst1	12.41	17.20	0.47	1.79E-01	no
Cdh1	0.03	0.24	3.12	1.80E-01	no
Mllt6	9.89	7.01	-0.50	1.80E-01	no
Zbtb32	0.63	0.16	-1.96	1.80E-01	no
Ccl5	0.00	0.63	1.79769e+	1.80E-01	no
Fam3b	0.00	0.38	1.79769e+	1.80E-01	no
Papd7	14.47	10.18	-0.51	1.81E-01	no
Filip1	0.34	0.79	1.22	1.82E-01	no
Cse1l	53.44	39.33	-0.44	1.82E-01	no
Scn2b	2.22	1.15	-0.94	1.82E-01	no
Chsy1	19.86	14.17	-0.49	1.83E-01	no
Pcp4	0.00	0.52	1.79769e+	1.83E-01	no
A230072E10Ri	0.09	0.39	2.12	1.83E-01	no
Eomes	0.09	0.00	-1.79769e-	1.86E-01	no
Mylk4	0.00	0.06	1.79769e+	1.86E-01	no
Slco2a1	0.00	0.07	1.79769e+	1.86E-01	no
Ccdc30	0.15	0.48	1.69	1.86E-01	no
Numbl	0.98	1.99	1.02	1.86E-01	no
Susd1	42.60	58.08	0.45	1.86E-01	no
Cdc25a	24.95	17.93	-0.48	1.86E-01	no
Klhdc2	17.24	10.97	-0.65	1.86E-01	no
Cybb	6.43	4.03	-0.68	1.86E-01	no
Opn3	4.81	2.53	-0.93	1.86E-01	no
Mars	32.35	23.53	-0.46	1.86E-01	no
Wnt10a	0.85	0.03	-4.71	1.86E-01	no
Nup107	29.63	21.31	-0.48	1.86E-01	no
Lrrc40	12.80	8.63	-0.57	1.87E-01	no
Dmxl1	17.19	12.70	-0.44	1.88E-01	no
Ube2l6	19.82	29.97	0.60	1.89E-01	no
Erich1	3.02	1.49	-1.02	1.89E-01	no
Drd5	0.00	0.11	1.79769e+	1.89E-01	no
Prkar1b	0.00	0.11	1.79769e+	1.89E-01	no
Myo7a	15.04	10.82	-0.47	1.90E-01	no
1700054N08Ri	8.06	4.92	-0.71	1.91E-01	no

Akap7	2.68	4.74	0.82	1.91E-01	no
Galc	2.03	3.66	0.85	1.92E-01	no
Ssh1	3.65	6.03	0.72	1.92E-01	no
Ankle2	23.77	17.38	-0.45	1.92E-01	no
Pigt	38.56	27.93	-0.47	1.92E-01	no
Vgll4	14.42	22.58	0.65	1.92E-01	no
Idi1	25.52	17.84	-0.52	1.92E-01	no
Kcnab2	28.21	20.52	-0.46	1.92E-01	no
Hrh2	4.71	7.85	0.74	1.93E-01	no
Gm12216	1.53	3.33	1.12	1.93E-01	no
Dock6	1.96	3.19	0.70	1.93E-01	no
Melk	17.88	12.23	-0.55	1.93E-01	no
Tex11	0.27	0.02	-3.57	1.93E-01	no
Eid3	0.52	1.39	1.41	1.94E-01	no
Cul7	8.12	11.51	0.50	1.94E-01	no
Prr5	8.99	5.30	-0.76	1.94E-01	no
1810014F10Ri	1.43	3.49	1.29	1.95E-01	no
Mcoln1	12.21	18.51	0.60	1.95E-01	no
Atp6ap2	30.10	42.05	0.48	1.95E-01	no
Gins3	16.94	11.27	-0.59	1.95E-01	no
Mospd2	4.35	7.62	0.81	1.95E-01	no
Rragc	27.25	37.78	0.47	1.95E-01	no
Elane	6.94	3.48	-1.00	1.95E-01	no
4632415K11Ri	1.16	2.29	0.99	1.95E-01	no
Zfp949	3.56	5.87	0.72	1.95E-01	no
Nhp2l1	56.27	39.54	-0.51	1.95E-01	no
Fjx1	0.45	1.10	1.28	1.96E-01	no
Serpinb1b	0.83	1.87	1.17	1.96E-01	no
Art2b	0.11	2.56	4.60	1.96E-01	no
AI597468	24.87	17.76	-0.49	1.96E-01	no
E130306D19Ri	27.53	18.69	-0.56	1.97E-01	no
Vps8	5.74	8.51	0.57	1.98E-01	no
Itga5	7.78	11.28	0.54	1.98E-01	no
Kcna3	27.93	19.37	-0.53	1.98E-01	no
Palb2	8.16	5.22	-0.64	1.98E-01	no
Lif	0.10	0.48	2.31	1.98E-01	no
Cd27	5.44	23.53	2.11	1.98E-01	no
Ccdc15	8.73	5.61	-0.64	1.98E-01	no
Cdh24	14.05	20.11	0.52	1.98E-01	no
Smarcc1	52.50	39.04	-0.43	1.98E-01	no
4930427A07Ri	33.92	24.83	-0.45	1.98E-01	no
Mex3a	9.23	6.35	-0.54	1.98E-01	no

Gyk	7.72	5.03	-0.62	1.98E-01	no
Ttc7b	12.01	17.08	0.51	1.98E-01	no
Tep1	8.85	12.19	0.46	1.98E-01	no
Sephs1	26.86	19.74	-0.44	1.98E-01	no
Cenpt	15.03	9.56	-0.65	1.98E-01	no
Slc7a1	19.57	14.42	-0.44	1.99E-01	no
Camk2b	9.28	13.04	0.49	1.99E-01	no
Gprasp2	1.36	2.49	0.87	2.00E-01	no
H6pd	8.42	12.01	0.51	2.00E-01	no
Arf6	70.54	52.47	-0.43	2.00E-01	no
1110007A13Ri	34.31	25.26	-0.44	2.00E-01	no
Paqr5	0.08	0.35	2.09	2.00E-01	no
Agl	2.80	4.23	0.60	2.00E-01	no
0610030E20Ri	29.11	21.39	-0.44	2.00E-01	no
Zbtb1	24.15	17.44	-0.47	2.00E-01	no
Nup37	24.88	16.13	-0.63	2.01E-01	no
Nr1d2	5.62	8.57	0.61	2.02E-01	no
Cox4i2	0.40	0.00	-1.79769e	2.02E-01	no
Mmp10	0.19	0.00	-1.79769e	2.02E-01	no
4931429I11Rik	0.09	0.34	1.89	2.02E-01	no
Antxr1	0.07	0.24	1.83	2.02E-01	no
Ap1s3	22.20	15.29	-0.54	2.02E-01	no
Crim1	0.38	0.15	-1.38	2.02E-01	no
Ttbk1	0.20	0.07	-1.60	2.02E-01	no
Tmem194b	26.05	19.08	-0.45	2.02E-01	no
Ubxn6	15.76	23.26	0.56	2.02E-01	no
Tpi1	73.11	53.81	-0.44	2.02E-01	no
Slc22a17	1.08	2.19	1.02	2.02E-01	no
Umps	31.22	22.73	-0.46	2.02E-01	no
Slc25a10	10.17	6.84	-0.57	2.02E-01	no
Abhd6	2.47	4.61	0.90	2.03E-01	no
Abcb4	5.15	7.92	0.62	2.03E-01	no
Dnajc13	19.22	25.99	0.44	2.03E-01	no
Mrpl49	32.61	22.70	-0.52	2.03E-01	no
A530023O14R	1.06	2.32	1.13	2.03E-01	no
Aga	5.01	9.06	0.85	2.04E-01	no
Luzp1	7.52	5.22	-0.53	2.04E-01	no
Serp1	97.47	72.50	-0.43	2.04E-01	no
Ubl3	32.47	23.38	-0.47	2.04E-01	no
Cytip	24.56	18.06	-0.44	2.04E-01	no
Preli2	1.83	4.13	1.18	2.04E-01	no
Hnrnph1	164.14	122.23	-0.43	2.06E-01	no

Cbr1	12.95	20.58	0.67	2.06E-01	no
Pik3r3	1.06	0.52	-1.02	2.06E-01	no
Mmp15	0.11	0.32	1.54	2.06E-01	no
Rab3b	0.04	0.32	3.03	2.06E-01	no
Pla2g4a	2.78	4.88	0.81	2.06E-01	no
Tmem82	0.14	0.50	1.86	2.07E-01	no
Pdzd7	0.12	0.35	1.56	2.07E-01	no
Lifr	0.19	0.45	1.21	2.07E-01	no
Enpp3	0.65	0.24	-1.44	2.07E-01	no
Abcf2	36.76	27.56	-0.42	2.07E-01	no
Sms	28.18	20.37	-0.47	2.09E-01	no
Lenep	5.08	9.74	0.94	2.09E-01	no
Syncrip	63.02	49.37	-0.35	2.09E-01	no
Mocs1	6.80	10.34	0.61	2.10E-01	no
Fam129a	2.19	3.78	0.79	2.10E-01	no
Chd5	0.04	0.00	-1.79769e	2.10E-01	no
A430084P05Ri	1.48	0.53	-1.48	2.10E-01	no
Scly	13.54	19.66	0.54	2.10E-01	no
Galnt1	37.90	28.54	-0.41	2.11E-01	no
Rbm14	53.26	39.49	-0.43	2.11E-01	no
Mid1ip1	24.55	17.17	-0.52	2.11E-01	no
Ubfd1	26.16	19.24	-0.44	2.11E-01	no
Tnfrsf10b	0.76	1.53	1.02	2.11E-01	no
Fam46a	2.06	1.14	-0.86	2.11E-01	no
Lrrc15	0.30	0.10	-1.62	2.11E-01	no
Ttbk2	5.41	7.28	0.43	2.11E-01	no
Usp39	33.74	24.27	-0.48	2.11E-01	no
Sh3pxd2a	4.07	2.80	-0.54	2.11E-01	no
Rps6kl1	0.35	0.85	1.27	2.12E-01	no
Abcg2	4.10	7.02	0.78	2.12E-01	no
Vipr2	1.31	2.49	0.93	2.13E-01	no
Tha1	0.45	1.17	1.37	2.13E-01	no
D730005E14Ri	4.85	7.66	0.66	2.14E-01	no
Nucb2	6.21	3.53	-0.82	2.14E-01	no
S1pr3	0.20	0.52	1.37	2.15E-01	no
Dennd1a	10.77	15.02	0.48	2.15E-01	no
Erlin1	16.42	11.74	-0.48	2.16E-01	no
Atp6v1d	29.10	41.51	0.51	2.16E-01	no
Casp8ap2	23.08	17.47	-0.40	2.16E-01	no
6720456H20Ri	6.30	9.24	0.55	2.16E-01	no
Lrrc59	56.80	42.30	-0.43	2.16E-01	no
Lpar6	10.97	16.68	0.60	2.17E-01	no

Mtmr2	28.31	20.98	-0.43	2.17E-01	no
Rassf3	23.31	16.78	-0.47	2.17E-01	no
Arhgef12	1.29	2.09	0.70	2.17E-01	no
Puf60	69.69	54.74	-0.35	2.17E-01	no
Tbc1d17	12.68	18.23	0.52	2.17E-01	no
Filip1l	14.08	9.68	-0.54	2.17E-01	no
Mybpc1	0.13	0.38	1.51	2.18E-01	no
Lrrk2	4.81	6.90	0.52	2.18E-01	no
Senp1	29.93	22.00	-0.44	2.18E-01	no
Nup43	15.03	9.08	-0.73	2.18E-01	no
Tmem191c	4.78	8.35	0.81	2.18E-01	no
Pak1	3.54	5.94	0.75	2.18E-01	no
Cars	15.45	10.53	-0.55	2.18E-01	no
Slc19a2	4.89	2.90	-0.75	2.18E-01	no
H2-Eb2	1.96	1.01	-0.95	2.18E-01	no
Tbx2	0.16	0.43	1.42	2.18E-01	no
Fbxo44	3.17	5.67	0.84	2.19E-01	no
Ttc38	4.10	6.49	0.66	2.19E-01	no
Pwp2	15.10	10.68	-0.50	2.19E-01	no
Sla	15.91	22.64	0.51	2.19E-01	no
Atrnl1	4.26	2.71	-0.65	2.19E-01	no
2210013O21Ri	8.79	15.53	0.82	2.19E-01	no
Cyp4f17	0.90	1.97	1.13	2.20E-01	no
Ndufs1	36.94	28.60	-0.37	2.20E-01	no
Txndc16	14.69	20.41	0.47	2.20E-01	no
Pole2	18.21	11.76	-0.63	2.20E-01	no
Cycs	12.08	7.93	-0.61	2.21E-01	no
Slc35f3	0.11	0.00	-1.79769e	2.21E-01	no
Grasp	1.28	2.57	1.01	2.21E-01	no
2900092E17Ri	35.10	24.66	-0.51	2.21E-01	no
Arhgap31	3.75	2.45	-0.61	2.21E-01	no
Zfp182	6.09	8.73	0.52	2.21E-01	no
Fbxo17	0.82	1.75	1.10	2.22E-01	no
Itfg3	1.94	3.59	0.89	2.23E-01	no
Prosapip1	1.40	0.73	-0.93	2.23E-01	no
Ltbr	0.55	1.24	1.18	2.23E-01	no
5830432E09Ri	1.97	3.84	0.96	2.23E-01	no
Uba2	54.77	40.75	-0.43	2.23E-01	no
Csgalnact2	6.02	3.68	-0.71	2.23E-01	no
Acox1	0.19	0.53	1.48	2.23E-01	no
Impg2	0.11	0.30	1.40	2.23E-01	no
Lrrc23	1.52	0.60	-1.34	2.23E-01	no

2700099C18Ri	19.18	12.14	-0.66	2.23E-01	no
Mat2a	119.90	90.05	-0.41	2.25E-01	no
Itpr1	9.55	12.94	0.44	2.26E-01	no
Tcp1	92.37	69.29	-0.41	2.26E-01	no
Plekho1	41.76	29.87	-0.48	2.26E-01	no
Srpk2	11.39	15.61	0.45	2.27E-01	no
Ctla2a	0.58	1.65	1.51	2.27E-01	no
Slc35e1	18.86	14.02	-0.43	2.28E-01	no
Insl6	7.27	13.56	0.90	2.28E-01	no
Shpk	1.03	2.00	0.97	2.28E-01	no
Actb	503.99	366.22	-0.46	2.29E-01	no
8430427H17Ri	0.88	0.42	-1.08	2.29E-01	no
Arid4b	16.29	21.68	0.41	2.30E-01	no
Srrt	79.11	64.21	-0.30	2.30E-01	no
Mthfd1	26.28	19.27	-0.45	2.30E-01	no
Suox	3.83	2.12	-0.86	2.30E-01	no
Gabpb2	47.93	38.75	-0.31	2.31E-01	no
Pgbd5	0.03	0.44	3.86	2.32E-01	no
Gyltl1b	0.44	1.10	1.32	2.32E-01	no
Abcc1	2.27	3.66	0.69	2.32E-01	no
Atp6v1h	20.96	29.76	0.51	2.32E-01	no
Rod1	84.41	66.75	-0.34	2.32E-01	no
Xist	144.37	102.41	-0.50	2.32E-01	no
Gm885	13.22	7.95	-0.73	2.32E-01	no
Xpo4	17.24	12.14	-0.51	2.32E-01	no
Cdc42bpb	0.24	0.10	-1.34	2.32E-01	no
Wdr59	5.64	8.13	0.53	2.33E-01	no
Kctd9	18.22	13.09	-0.48	2.33E-01	no
BC024659	10.97	7.50	-0.55	2.33E-01	no
Orc5	12.71	8.05	-0.66	2.33E-01	no
1200014J11RiI	14.60	10.66	-0.45	2.34E-01	no
Nup62	62.72	46.97	-0.42	2.35E-01	no
Dennd1c	9.85	14.48	0.56	2.35E-01	no
Ppan	30.56	21.71	-0.49	2.35E-01	no
Gm9705	0.34	0.83	1.30	2.36E-01	no
Poc1a	14.89	9.58	-0.64	2.36E-01	no
Layn	0.66	1.50	1.19	2.36E-01	no
Rnf180	0.07	0.31	2.13	2.36E-01	no
Lipg	0.17	0.44	1.39	2.36E-01	no
Zfp35	18.77	13.26	-0.50	2.37E-01	no
Usp35	0.79	1.52	0.94	2.37E-01	no
Gyg	15.50	22.98	0.57	2.37E-01	no

Cobll1	9.73	6.91	-0.49	2.38E-01	no
Kcnk3	0.13	0.36	1.47	2.39E-01	no
Amdhd2	10.55	16.39	0.64	2.39E-01	no
Slc25a5	206.90	156.11	-0.41	2.39E-01	no
A430005L14Ri	10.98	17.31	0.66	2.39E-01	no
Adam6b	0.64	1.41	1.13	2.39E-01	no
Stac2	1.02	0.48	-1.10	2.40E-01	no
Clec4f	1.22	2.41	0.98	2.40E-01	no
Ccdc62	0.90	1.72	0.94	2.40E-01	no
Gramd1b	1.86	3.32	0.83	2.40E-01	no
Gm14446	3.93	6.73	0.77	2.40E-01	no
Rnaset2a,Rnas	40.99	57.66	0.49	2.40E-01	no
Mfng	23.07	32.42	0.49	2.40E-01	no
Trim12a	26.42	37.10	0.49	2.40E-01	no
Actg1	126.70	95.53	-0.41	2.40E-01	no
Msh6	46.09	34.72	-0.41	2.40E-01	no
B230219D22Ri	44.87	33.76	-0.41	2.40E-01	no
Lsm6	16.78	12.03	-0.48	2.40E-01	no
Dusp1	7.95	4.75	-0.74	2.40E-01	no
1700001L05Ril	1.81	1.03	-0.82	2.40E-01	no
Ifit3	1.90	0.90	-1.07	2.40E-01	no
Lgr4	0.50	0.22	-1.18	2.40E-01	no
Tekt1	0.23	0.79	1.76	2.41E-01	no
Hspa1l	2.87	1.57	-0.87	2.41E-01	no
Mcm8	10.45	6.92	-0.60	2.41E-01	no
Klraq1	15.97	22.04	0.46	2.41E-01	no
Kpna1	26.62	19.64	-0.44	2.41E-01	no
Slc9a9	1.03	2.04	0.98	2.42E-01	no
Npm3	40.16	26.88	-0.58	2.42E-01	no
Gm12824	0.03	0.14	2.46	2.42E-01	no
5930416I19Rik	44.98	33.71	-0.42	2.42E-01	no
L3mbtl2	19.98	14.48	-0.46	2.42E-01	no
Ttll1	8.15	5.00	-0.71	2.42E-01	no
Fam129c	69.74	52.50	-0.41	2.42E-01	no
Itm2a	2.15	4.13	0.94	2.43E-01	no
Nlrc3	9.82	13.86	0.50	2.43E-01	no
Zfp422	42.81	31.88	-0.43	2.43E-01	no
Fh1	48.25	35.25	-0.45	2.43E-01	no
Zmynd10	0.55	0.16	-1.79	2.43E-01	no
Cd300lg	0.00	0.13	1.79769e+	2.43E-01	no
Trove2	1.50	2.48	0.72	2.43E-01	no
Nanos1	0.92	0.44	-1.06	2.43E-01	no

Samd5	0.39	0.05	-3.03	2.43E-01	no
Zfp109	1.25	2.32	0.90	2.43E-01	no
Slc28a2	10.61	15.09	0.51	2.43E-01	no
Ifi30	16.40	9.99	-0.72	2.44E-01	no
Lrp8	3.41	5.01	0.56	2.44E-01	no
Amy1	0.00	0.19	1.79769e+	2.44E-01	no
Ube2d2	108.09	81.59	-0.41	2.45E-01	no
Acad10	2.60	4.28	0.72	2.45E-01	no
Zfp64	9.02	13.14	0.54	2.45E-01	no
Thumpd2	4.91	8.14	0.73	2.46E-01	no
Hdac1	82.79	62.31	-0.41	2.46E-01	no
Mlf1ip	6.12	3.67	-0.74	2.46E-01	no
Rbbp4	60.46	45.77	-0.40	2.46E-01	no
5730469M10R	4.40	7.63	0.80	2.46E-01	no
Ttll5	8.91	6.18	-0.53	2.46E-01	no
Sult6b1	3.03	5.46	0.85	2.47E-01	no
Tube1	10.76	7.03	-0.61	2.47E-01	no
Med7	15.54	10.43	-0.58	2.47E-01	no
Prss12	0.10	0.00	-1.79769e-	2.47E-01	no
Slc38a5	0.16	0.00	-1.79769e-	2.47E-01	no
Wipf1	32.69	43.33	0.41	2.47E-01	no
Msn	106.32	80.19	-0.41	2.48E-01	no
Gm13238	1.06	2.47	1.22	2.48E-01	no
C1qa	1.16	0.40	-1.52	2.48E-01	no
5330417C22Ri	0.00	0.08	1.79769e+	2.48E-01	no
Cd163l1	0.00	0.08	1.79769e+	2.48E-01	no
Crisp1	0.00	0.28	1.79769e+	2.48E-01	no
Notum	0.00	0.13	1.79769e+	2.48E-01	no
Nrn1	0.00	0.22	1.79769e+	2.48E-01	no
Perp	0.00	0.18	1.79769e+	2.48E-01	no
Trpv6	0.00	0.09	1.79769e+	2.48E-01	no
Itga3	0.19	0.45	1.27	2.48E-01	no
4933407H18Ri	4.35	6.24	0.52	2.48E-01	no
Slc36a1	7.57	10.67	0.50	2.48E-01	no
B230206F22Ri	20.88	15.88	-0.39	2.48E-01	no
Psme3	66.53	50.19	-0.41	2.48E-01	no
Erh	208.63	157.34	-0.41	2.48E-01	no
Dock5	0.93	0.53	-0.82	2.48E-01	no
Dnajb7	1.09	0.36	-1.61	2.48E-01	no
Clec4a3	0.18	0.84	2.23	2.49E-01	no
Apob48r	0.58	1.14	0.98	2.49E-01	no
Nxn	7.30	4.59	-0.67	2.49E-01	no

Hook1	10.56	14.75	0.48	2.49E-01	no
Neu1	9.90	13.92	0.49	2.50E-01	no
Hexim1	21.62	15.71	-0.46	2.50E-01	no
Pde6b	0.00	0.10	1.79769e+	2.51E-01	no
Vegfb	18.37	26.68	0.54	2.52E-01	no
Eda	0.00	0.06	1.79769e+	2.52E-01	no
Ano10	3.99	6.54	0.71	2.53E-01	no
Zfp36l2	90.95	120.77	0.41	2.53E-01	no
1110002B05Ri	44.59	31.52	-0.50	2.53E-01	no
Ppm1g	62.21	46.89	-0.41	2.53E-01	no
Cd209f	0.25	0.00	-1.79769e-	2.53E-01	no
Chn2	0.75	0.32	-1.21	2.53E-01	no
Stoml1	10.33	14.96	0.54	2.53E-01	no
Jak3	23.12	30.03	0.38	2.53E-01	no
Matk	4.22	7.16	0.76	2.53E-01	no
Lyl1	46.61	62.30	0.42	2.53E-01	no
Pkmyt1	39.09	28.82	-0.44	2.53E-01	no
Mad1l1	19.96	14.35	-0.48	2.53E-01	no
Cxcr3	0.05	0.98	4.30	2.55E-01	no
Svil	7.94	10.77	0.44	2.55E-01	no
Inpp4a	3.34	5.02	0.59	2.55E-01	no
Plcl2	31.59	23.70	-0.41	2.56E-01	no
Fam26f	2.64	5.18	0.98	2.56E-01	no
Tmem66	7.15	11.35	0.67	2.56E-01	no
Fxyd6	7.44	4.32	-0.78	2.57E-01	no
Rhobtb1	0.63	1.23	0.96	2.57E-01	no
Zfp821	13.94	9.80	-0.51	2.57E-01	no
Fkbp4	67.59	51.15	-0.40	2.58E-01	no
Npm1	167.99	127.56	-0.40	2.58E-01	no
Afap1l1	2.24	3.82	0.77	2.59E-01	no
Glb1	12.10	17.46	0.53	2.59E-01	no
Hat1	42.64	30.72	-0.47	2.59E-01	no
Ppl	0.37	0.17	-1.14	2.59E-01	no
Wdr13	10.54	14.37	0.45	2.59E-01	no
Vps39	15.43	20.13	0.38	2.59E-01	no
Tmem79	1.49	2.77	0.90	2.59E-01	no
Tnfrsf1a	2.32	4.19	0.85	2.60E-01	no
Cpd	5.91	4.14	-0.51	2.60E-01	no
Snrpg	224.57	165.81	-0.44	2.60E-01	no
Nubp1	25.33	18.15	-0.48	2.60E-01	no
E130311K13Ri	0.58	1.41	1.29	2.61E-01	no
Pold4	37.92	25.86	-0.55	2.61E-01	no

Anks6	0.04	0.24	2.65	2.61E-01	no
Tagln2	88.85	66.76	-0.41	2.61E-01	no
Topbp1	53.03	40.35	-0.39	2.61E-01	no
Calm1	65.27	49.61	-0.40	2.61E-01	no
Rpsa	43.44	32.02	-0.44	2.62E-01	no
Ptgr1	31.36	22.61	-0.47	2.62E-01	no
Glrx3	28.68	20.04	-0.52	2.62E-01	no
Rfc2	49.35	36.34	-0.44	2.62E-01	no
Kars	55.39	42.85	-0.37	2.63E-01	no
Klf3	7.12	11.07	0.64	2.63E-01	no
Vps13c	6.59	8.86	0.43	2.63E-01	no
Cdk5rap2	14.04	10.36	-0.44	2.63E-01	no
Ddx11	14.79	10.71	-0.47	2.63E-01	no
Dpy19l1	14.32	10.30	-0.48	2.63E-01	no
Efcab5	0.72	0.35	-1.02	2.64E-01	no
Shisa7	0.00	0.04	1.79769e+	2.65E-01	no
Pip5k1b	4.29	2.50	-0.78	2.65E-01	no
Zfp191	23.63	17.19	-0.46	2.65E-01	no
Slc29a4	0.50	1.04	1.07	2.65E-01	no
Rpl41	470.32	358.19	-0.39	2.66E-01	no
Aloxe3	0.03	0.32	3.59	2.66E-01	no
9230105E10Ri	25.54	33.45	0.39	2.66E-01	no
Slc35e4	0.53	1.13	1.09	2.67E-01	no
Nudt1	17.82	11.00	-0.70	2.67E-01	no
Clec9a	0.00	0.23	1.79769e+	2.67E-01	no
Gpr20	0.00	0.12	1.79769e+	2.67E-01	no
Eml2	3.79	6.18	0.71	2.67E-01	no
Bub3	56.59	42.49	-0.41	2.67E-01	no
Rptor	16.94	22.42	0.40	2.67E-01	no
Dcp2	25.21	19.11	-0.40	2.67E-01	no
Gnb1	76.32	60.72	-0.33	2.67E-01	no
Prss34	0.21	0.85	1.99	2.68E-01	no
Rundc2a	4.61	7.99	0.79	2.68E-01	no
Cblc	0.13	0.00	-1.79769e-	2.68E-01	no
Cxcr7	0.13	0.00	-1.79769e-	2.68E-01	no
Dbx1	0.12	0.00	-1.79769e-	2.68E-01	no
Dusp8	0.10	0.00	-1.79769e-	2.68E-01	no
Gm4980	0.09	0.00	-1.79769e-	2.68E-01	no
Ooep	0.25	0.00	-1.79769e-	2.68E-01	no
3-Sep	0.06	0.00	-1.79769e-	2.68E-01	no
Sox8	0.09	0.00	-1.79769e-	2.68E-01	no
Gnao1	0.07	0.29	2.11	2.68E-01	no

Asah1	10.97	16.34	0.57	2.68E-01	no
Mtpn	76.99	58.68	-0.39	2.68E-01	no
Rbmxrt	134.83	102.68	-0.39	2.68E-01	no
Pkm2	150.90	114.89	-0.39	2.68E-01	no
Zfp459	0.80	1.54	0.95	2.68E-01	no
Arhgap44	0.00	0.06	1.79769e+	2.69E-01	no
Ppp2r5a	40.37	30.35	-0.41	2.69E-01	no
Slc7a5	32.87	24.74	-0.41	2.69E-01	no
Tti1	21.63	15.98	-0.44	2.69E-01	no
Hprt	66.01	48.59	-0.44	2.69E-01	no
Pkp4	10.57	7.65	-0.47	2.69E-01	no
Etaa1	14.31	10.20	-0.49	2.70E-01	no
Glt25d1	47.93	36.38	-0.40	2.70E-01	no
Ebpl	2.11	3.87	0.88	2.70E-01	no
Abcd1	32.65	24.58	-0.41	2.70E-01	no
Calm3	100.82	76.97	-0.39	2.70E-01	no
Tmem64	19.64	14.42	-0.45	2.71E-01	no
Dnaic2	0.11	0.35	1.59	2.71E-01	no
Sirt1	26.25	19.90	-0.40	2.71E-01	no
Csde1	67.15	53.85	-0.32	2.71E-01	no
Ppp1r15a	2.67	4.50	0.75	2.72E-01	no
Glipr2	8.07	12.53	0.64	2.72E-01	no
Dnajc7	46.19	34.70	-0.41	2.72E-01	no
Parp3	7.03	10.52	0.58	2.73E-01	no
Cotl1	42.16	30.93	-0.45	2.73E-01	no
Ngfr	0.21	0.04	-2.30	2.74E-01	no
Duxbl,Gm1039	0.00	0.15	1.79769e+	2.74E-01	no
Stard10	6.87	11.31	0.72	2.74E-01	no
Gart	39.77	30.15	-0.40	2.74E-01	no
Tk1	54.44	40.23	-0.44	2.74E-01	no
Stard8	3.59	5.43	0.60	2.75E-01	no
Snx10	9.15	13.54	0.57	2.75E-01	no
Dirc2	1.26	2.23	0.82	2.75E-01	no
Fndc3a	14.26	19.07	0.42	2.75E-01	no
Kcnq5	6.68	4.72	-0.50	2.75E-01	no
Ckap4	4.80	7.43	0.63	2.75E-01	no
Nup93	28.25	20.97	-0.43	2.76E-01	no
Al413582	4.18	7.90	0.92	2.76E-01	no
Irgc1	0.00	0.12	1.79769e+	2.76E-01	no
Aanat	0.33	0.00	-1.79769e-	2.76E-01	no
Anapc5	67.80	52.42	-0.37	2.76E-01	no
Tmem106a	0.88	1.73	0.98	2.76E-01	no

Cln5	11.03	16.08	0.54	2.76E-01	no
Zfp12	6.98	9.97	0.51	2.76E-01	no
Ctcf	70.72	54.07	-0.39	2.76E-01	no
Cct8	70.16	53.35	-0.40	2.76E-01	no
Tmem65	5.90	3.70	-0.67	2.76E-01	no
Cd9	9.40	15.20	0.69	2.77E-01	no
Akap3	0.00	0.07	1.79769e+	2.77E-01	no
Iqcf5	0.00	0.44	1.79769e+	2.77E-01	no
Mboat4	0.00	0.12	1.79769e+	2.77E-01	no
Irf5	16.65	23.37	0.49	2.77E-01	no
Dyrk2	35.00	25.93	-0.43	2.77E-01	no
Cldn12	0.58	1.19	1.04	2.77E-01	no
Tet1	3.98	5.51	0.47	2.79E-01	no
Gtf3c5	19.46	14.05	-0.47	2.79E-01	no
St6galnac2	0.11	0.49	2.10	2.79E-01	no
Tspyl3	9.17	13.24	0.53	2.80E-01	no
Ipo11	20.26	15.01	-0.43	2.81E-01	no
Fgf11	0.42	0.00	-1.79769e-	2.81E-01	no
Eng	14.35	18.91	0.40	2.81E-01	no
Mtap	18.95	13.33	-0.51	2.81E-01	no
Slc9a5	5.84	3.95	-0.57	2.81E-01	no
Gm10069	6.77	4.48	-0.59	2.81E-01	no
Stk38l	4.15	2.60	-0.67	2.81E-01	no
Ccdc120	1.00	1.87	0.90	2.81E-01	no
Gm8989	3.85	6.48	0.75	2.81E-01	no
Znf512b	10.70	14.40	0.43	2.81E-01	no
Cdk2ap1	111.57	84.79	-0.40	2.81E-01	no
Cebpg	28.48	21.50	-0.41	2.81E-01	no
Pard6b	0.83	1.54	0.90	2.82E-01	no
Zfp783	4.17	6.23	0.58	2.83E-01	no
Pnrc1	23.59	32.44	0.46	2.83E-01	no
Fgd4	0.24	0.59	1.27	2.84E-01	no
Gas5	46.92	35.40	-0.41	2.84E-01	no
S100a10	49.20	33.38	-0.56	2.84E-01	no
Adm	0.62	0.16	-1.97	2.84E-01	no
Cr2	0.81	0.41	-0.96	2.85E-01	no
4930579G24Ri	24.58	17.28	-0.51	2.86E-01	no
Gcat	5.83	3.59	-0.70	2.86E-01	no
Hsp90ab1	401.83	296.74	-0.44	2.87E-01	no
Cyp4f13	3.74	6.35	0.77	2.87E-01	no
Pms2	14.53	10.30	-0.50	2.87E-01	no
Dock4	0.27	0.12	-1.19	2.87E-01	no

Siva1	49.76	35.18	-0.50	2.87E-01	no
Zfp174	0.51	0.96	0.91	2.88E-01	no
Lamp1	41.27	54.49	0.40	2.88E-01	no
Tial1	26.34	19.76	-0.41	2.88E-01	no
Akr1c13	0.97	2.09	1.10	2.88E-01	no
Mapre1	36.15	27.71	-0.38	2.89E-01	no
A430105I19Ri	0.67	1.24	0.89	2.89E-01	no
Xrcc2	10.59	7.19	-0.56	2.89E-01	no
Ppp1cb	73.18	56.08	-0.38	2.89E-01	no
A930015D03R	5.73	10.02	0.81	2.90E-01	no
Rgs13	0.55	0.11	-2.36	2.90E-01	no
F9	0.54	1.17	1.12	2.90E-01	no
Mn1	0.02	0.12	2.76	2.91E-01	no
C030034L19Ri	0.13	0.42	1.68	2.91E-01	no
Gamt	0.61	1.53	1.32	2.91E-01	no
Psip1	44.34	33.75	-0.39	2.91E-01	no
Dkc1	34.44	25.79	-0.42	2.91E-01	no
Gemin6	19.31	12.43	-0.64	2.91E-01	no
Plekhh3	0.87	0.42	-1.06	2.91E-01	no
C330006K01Ri	9.48	13.13	0.47	2.91E-01	no
Slc25a1	28.90	39.28	0.44	2.92E-01	no
Foxc1	0.12	0.32	1.47	2.92E-01	no
C630004H02Ri	0.17	0.43	1.31	2.92E-01	no
Casz1	3.54	2.39	-0.56	2.92E-01	no
Fxn	20.59	13.49	-0.61	2.92E-01	no
Pom121	36.83	28.27	-0.38	2.92E-01	no
Cntnap1	0.86	1.54	0.84	2.93E-01	no
Gcnt2	0.27	0.60	1.15	2.93E-01	no
Rab43	57.26	45.41	-0.33	2.93E-01	no
Dact3	0.21	0.51	1.26	2.93E-01	no
Hyal3	0.29	0.75	1.37	2.94E-01	no
Slc16a4	2.92	1.59	-0.88	2.95E-01	no
Tmtc2	0.06	0.21	1.71	2.95E-01	no
Ints10	18.50	13.13	-0.49	2.96E-01	no
D630041G03R	0.00	0.06	1.79769e+	2.96E-01	no
Gm7444	0.43	0.87	1.02	2.96E-01	no
1810049H13Ri	2.62	5.01	0.93	2.96E-01	no
BC026585	4.87	8.30	0.77	2.96E-01	no
Fgd6	2.17	1.36	-0.67	2.96E-01	no
Cyp2j9	3.82	6.53	0.77	2.96E-01	no
Cd177	0.28	0.65	1.21	2.98E-01	no
Mcf2l	0.67	0.31	-1.10	2.98E-01	no

Rb1cc1	14.23	18.83	0.40	2.98E-01	no
Cbs	0.10	0.00	-1.79769e	2.98E-01	no
Rhoj	0.11	0.00	-1.79769e	2.98E-01	no
Pnpo	6.41	9.93	0.63	2.98E-01	no
Dsn1	21.30	15.19	-0.49	2.98E-01	no
Dazap1	59.21	47.01	-0.33	2.98E-01	no
Sp110	35.43	47.22	0.41	2.99E-01	no
Scrib	26.69	20.44	-0.38	2.99E-01	no
Chac1	0.09	0.51	2.53	3.00E-01	no
Hoxa7	1.91	3.57	0.90	3.00E-01	no
Hoxa6	0.78	1.99	1.34	3.01E-01	no
Frat1	4.82	2.95	-0.71	3.01E-01	no
Kdm6b	9.96	13.30	0.42	3.01E-01	no
Smtn	22.56	29.96	0.41	3.02E-01	no
Ndufv1	40.65	29.98	-0.44	3.02E-01	no
Opa3	19.80	14.08	-0.49	3.02E-01	no
Mdfi	0.41	1.02	1.31	3.03E-01	no
Aim1	7.99	5.86	-0.45	3.03E-01	no
Gpr157	1.56	2.63	0.75	3.03E-01	no
Psat1	63.60	48.47	-0.39	3.04E-01	no
Gpr171	22.62	16.07	-0.49	3.04E-01	no
3930402G23Ri	0.36	0.10	-1.85	3.04E-01	no
Icam2	34.02	23.91	-0.51	3.05E-01	no
Fam98a	21.48	15.68	-0.45	3.05E-01	no
E2f5	6.53	3.90	-0.74	3.05E-01	no
Selenbp1	3.71	6.21	0.74	3.05E-01	no
4930473A06Ri	2.28	3.59	0.66	3.05E-01	no
2810403D21Ri	1.04	2.29	1.14	3.06E-01	no
Snx29	4.51	7.40	0.72	3.06E-01	no
Pml	37.73	30.32	-0.32	3.06E-01	no
S100a6	2.62	5.12	0.96	3.06E-01	no
Nutf2-ps1	22.67	14.56	-0.64	3.06E-01	no
Gm6034	0.44	1.02	1.23	3.06E-01	no
Athl1	12.33	17.02	0.47	3.06E-01	no
Ezh1	11.31	15.33	0.44	3.06E-01	no
Tbc1d1	21.63	16.47	-0.39	3.07E-01	no
Pdpx	11.22	7.41	-0.60	3.07E-01	no
Gm13498	19.86	14.09	-0.50	3.07E-01	no
Rnf166	14.74	20.98	0.51	3.08E-01	no
Tek	0.01	0.16	3.44	3.09E-01	no
Rbpms2	0.54	0.15	-1.79	3.09E-01	no
Gsto2	0.18	0.67	1.92	3.09E-01	no

Stac	0.41	0.02	-4.06	3.09E-01	no
Prmt5	32.74	24.64	-0.41	3.09E-01	no
Sh3d19	0.76	1.33	0.81	3.10E-01	no
Fam176b	2.77	4.97	0.84	3.10E-01	no
Egln3	1.90	3.31	0.80	3.10E-01	no
Smc6	33.23	25.52	-0.38	3.11E-01	no
Inpp1	7.21	11.10	0.62	3.11E-01	no
Ung	25.81	19.00	-0.44	3.11E-01	no
Snrnp35	16.65	10.76	-0.63	3.12E-01	no
Clcn6	6.54	9.65	0.56	3.13E-01	no
Trio	3.35	4.61	0.46	3.13E-01	no
Atp1b1	63.81	83.07	0.38	3.13E-01	no
Bcr	32.30	41.94	0.38	3.13E-01	no
Prim1	40.89	30.00	-0.45	3.13E-01	no
Il1r1	1.19	2.07	0.81	3.13E-01	no
Ppat	23.41	17.61	-0.41	3.14E-01	no
Klf1	0.88	0.37	-1.26	3.15E-01	no
Dapk1	0.19	0.45	1.20	3.15E-01	no
Rin3	24.14	30.38	0.33	3.15E-01	no
Cd1d2	9.98	15.41	0.63	3.15E-01	no
Ttc3	10.80	14.29	0.40	3.15E-01	no
Trp53inp1	74.91	93.88	0.33	3.15E-01	no
Armc7	3.63	5.85	0.69	3.15E-01	no
Ccs	8.17	13.07	0.68	3.16E-01	no
Gm10863	0.64	1.71	1.41	3.17E-01	no
Tmem150b	4.13	6.79	0.72	3.17E-01	no
Ric8	19.43	26.01	0.42	3.17E-01	no
Tmem205	2.47	4.74	0.94	3.18E-01	no
Mib2	5.70	8.18	0.52	3.18E-01	no
Pcyox1	13.59	9.90	-0.46	3.18E-01	no
Sys1	26.62	18.95	-0.49	3.18E-01	no
Cenph	20.37	13.65	-0.58	3.18E-01	no
Megf10	0.83	0.43	-0.95	3.18E-01	no
Osbpl6	0.04	0.13	1.88	3.19E-01	no
Lmo2	12.41	18.00	0.54	3.19E-01	no
Ppp2r4	58.46	44.99	-0.38	3.19E-01	no
Zw10	28.04	20.97	-0.42	3.19E-01	no
Timm8a1	46.68	33.82	-0.47	3.19E-01	no
Anubl1	6.73	4.27	-0.66	3.19E-01	no
Zfp78	1.51	0.84	-0.84	3.19E-01	no
Fam76b	31.15	23.61	-0.40	3.19E-01	no
Npl	0.70	1.55	1.14	3.19E-01	no

Errfi1	0.63	0.28	-1.19	3.19E-01	no
Ogdh	36.96	28.62	-0.37	3.20E-01	no
Cdk2	60.41	48.42	-0.32	3.20E-01	no
Glb1l	6.73	9.71	0.53	3.20E-01	no
Tex9	12.59	7.98	-0.66	3.20E-01	no
Gm5617	2.61	5.09	0.97	3.20E-01	no
Hdgf	99.57	77.11	-0.37	3.20E-01	no
Arhgap6	0.46	0.93	1.02	3.21E-01	no
1700047117Rik	10.20	13.57	0.41	3.21E-01	no
Eno3	5.19	8.35	0.69	3.21E-01	no
Mier1	36.72	28.86	-0.35	3.21E-01	no
Fmr1	39.56	30.45	-0.38	3.21E-01	no
Xlr4b	4.61	7.79	0.76	3.22E-01	no
Ptp4a2	86.02	67.32	-0.35	3.22E-01	no
Endod1	33.46	25.71	-0.38	3.22E-01	no
Emr4	0.27	0.08	-1.83	3.22E-01	no
Pbx3	0.94	0.45	-1.06	3.23E-01	no
Mycbp2	16.58	21.52	0.38	3.23E-01	no
Pdik1l	16.98	12.89	-0.40	3.23E-01	no
Anapc11	8.94	6.24	-0.52	3.23E-01	no
Zfp93	0.24	0.53	1.12	3.23E-01	no
Wnt10b	0.57	1.20	1.07	3.23E-01	no
Trim63	0.22	0.59	1.43	3.23E-01	no
Rap2a	1.68	0.96	-0.82	3.23E-01	no
Fbxw10	1.14	2.00	0.81	3.23E-01	no
Srsf2	143.35	111.19	-0.37	3.25E-01	no
Snrpd1	52.22	37.10	-0.49	3.25E-01	no
C1ql1	0.82	0.27	-1.59	3.25E-01	no
Atp6v0d1	29.56	39.88	0.43	3.25E-01	no
Muc13	1.05	1.95	0.90	3.25E-01	no
Lym7	2.28	1.23	-0.90	3.25E-01	no
Zfyve28	0.05	0.21	1.94	3.25E-01	no
Echdc3	0.41	0.94	1.19	3.25E-01	no
Fbn1	0.17	0.33	1.01	3.25E-01	no
Kctd12	52.98	40.90	-0.37	3.25E-01	no
Hist3h2a	8.93	5.64	-0.66	3.25E-01	no
Prss30	0.11	0.54	2.23	3.26E-01	no
Gm595	1.47	2.74	0.90	3.26E-01	no
Rhoq	15.77	11.62	-0.44	3.26E-01	no
Tapbp	35.09	43.96	0.33	3.26E-01	no
Gfpt1	6.55	9.04	0.47	3.26E-01	no
Gtf3c4	19.02	14.80	-0.36	3.26E-01	no

Ccni	100.07	77.56	-0.37	3.26E-01	no
Cab39l	18.83	13.73	-0.46	3.26E-01	no
Mtbp	15.08	11.10	-0.44	3.26E-01	no
Tdrd7	4.74	7.12	0.59	3.26E-01	no
Gstm7	0.55	1.28	1.21	3.27E-01	no
2310079N02Ri	9.64	14.93	0.63	3.27E-01	no
7-Sep	63.26	48.69	-0.38	3.27E-01	no
4921517L17Ri	0.54	1.11	1.04	3.28E-01	no
Eif2s3y	7.93	12.23	0.62	3.28E-01	no
Nfic	4.16	5.80	0.48	3.28E-01	no
Arrdc1	33.10	42.79	0.37	3.28E-01	no
Trhr2	0.09	0.55	2.62	3.29E-01	no
Hcrtr2	0.08	0.00	-1.79769e-	3.30E-01	no
Aldh1a2	0.09	0.00	-1.79769e-	3.30E-01	no
Timd2	0.08	0.00	-1.79769e-	3.30E-01	no
Usp50	0.12	0.00	-1.79769e-	3.30E-01	no
Ociad1	65.36	51.37	-0.35	3.30E-01	no
5031434O11Ri	0.33	1.34	2.01	3.30E-01	no
Junb	10.79	15.61	0.53	3.30E-01	no
Atp10a	8.66	11.68	0.43	3.30E-01	no
Srrm1	62.83	50.81	-0.31	3.30E-01	no
Plcl1	1.14	0.66	-0.80	3.31E-01	no
Ptpn11	29.60	23.95	-0.31	3.31E-01	no
Polr2a	76.62	59.14	-0.37	3.31E-01	no
Dcbld1	1.62	0.89	-0.87	3.31E-01	no
Zbtb7b	1.26	0.69	-0.88	3.31E-01	no
Taf6	33.29	25.10	-0.41	3.31E-01	no
Tinf2	30.94	22.68	-0.45	3.31E-01	no
Gnat2	0.70	0.27	-1.38	3.32E-01	no
Mpv17	7.92	12.07	0.61	3.33E-01	no
Plekha4	0.09	0.28	1.69	3.33E-01	no
Arrb1	6.91	9.15	0.41	3.33E-01	no
Ahsa1	66.21	50.39	-0.39	3.33E-01	no
Zfp280b	15.61	11.67	-0.42	3.33E-01	no
Sgpp2	0.45	0.20	-1.16	3.33E-01	no
Hist2h3c2-ps	1.01	0.33	-1.59	3.33E-01	no
Il12rb2	0.21	0.50	1.23	3.33E-01	no
G6pd2	4.28	2.49	-0.78	3.35E-01	no
2610020H08Ri	12.94	8.88	-0.54	3.35E-01	no
Ybx2	1.51	0.73	-1.04	3.35E-01	no
Fem1b	29.14	22.59	-0.37	3.35E-01	no
Mycbp	15.96	10.48	-0.61	3.35E-01	no

Gstm3	0.39	1.05	1.42	3.35E-01	no
Ube2h	24.99	31.39	0.33	3.35E-01	no
Rnf187	61.25	47.15	-0.38	3.35E-01	no
Mrpl42	35.79	24.06	-0.57	3.35E-01	no
Ii31ra	0.05	0.23	2.21	3.35E-01	no
Trnt1	21.45	15.35	-0.48	3.36E-01	no
Pglyrp2	1.03	2.01	0.96	3.36E-01	no
Phf2	41.44	32.23	-0.36	3.36E-01	no
Exosc8	34.00	24.64	-0.46	3.36E-01	no
Pvr	2.82	4.56	0.70	3.36E-01	no
Naip5	0.97	1.67	0.78	3.37E-01	no
Frmppd1	0.04	0.00	-1.79769e-	3.37E-01	no
Serpinb7	0.12	0.00	-1.79769e-	3.37E-01	no
Jdp2	0.95	1.86	0.97	3.37E-01	no
Tbrg1	24.85	33.76	0.44	3.37E-01	no
Brd8	36.49	28.27	-0.37	3.37E-01	no
Brpf1	27.11	20.90	-0.37	3.37E-01	no
Hnrnpu	162.64	124.94	-0.38	3.37E-01	no
Nlrc4	3.59	2.26	-0.67	3.38E-01	no
Zfp280d	19.79	14.90	-0.41	3.38E-01	no
Irs1	2.86	1.90	-0.59	3.38E-01	no
Rcan3	4.47	6.46	0.53	3.39E-01	no
Rpl28	437.27	340.28	-0.36	3.39E-01	no
Pias1	27.29	20.80	-0.39	3.39E-01	no
Pafah1b3	70.16	52.25	-0.43	3.39E-01	no
Nr2f6	5.17	3.20	-0.69	3.39E-01	no
Camk1d	6.28	8.56	0.45	3.40E-01	no
Naa50	51.93	40.36	-0.36	3.40E-01	no
Chst11	0.51	0.25	-1.02	3.40E-01	no
Rnaset2b	51.74	67.51	0.38	3.40E-01	no
Pxmp2	4.04	2.18	-0.89	3.40E-01	no
Calm2	225.50	175.44	-0.36	3.40E-01	no
Pcnx	4.03	5.43	0.43	3.40E-01	no
Cpox	14.32	10.30	-0.48	3.40E-01	no
Tbc1d8	0.84	1.46	0.79	3.41E-01	no
Cs	62.00	48.16	-0.36	3.41E-01	no
Rbm8a	24.50	18.39	-0.41	3.41E-01	no
Ppp1r2	10.49	7.40	-0.50	3.41E-01	no
Tigd3	4.43	2.67	-0.73	3.41E-01	no
Hist1h4m	2.74	0.70	-1.96	3.41E-01	no
Zbtb33	22.42	17.61	-0.35	3.41E-01	no
Sf3a1	38.63	30.04	-0.36	3.42E-01	no

Cd86	0.75	1.54	1.03	3.42E-01	no
Higd1a	7.00	4.34	-0.69	3.43E-01	no
Rsad1	1.83	2.97	0.70	3.43E-01	no
Pgp	36.25	25.93	-0.48	3.43E-01	no
Dclre1a	0.52	0.24	-1.11	3.43E-01	no
5033414D02Ri	19.69	29.20	0.57	3.43E-01	no
Fpgs	13.92	19.23	0.47	3.43E-01	no
Zc3h18	34.15	27.51	-0.31	3.43E-01	no
Maz	123.79	96.49	-0.36	3.43E-01	no
Tlk1	35.07	27.12	-0.37	3.43E-01	no
Bfsp2	28.82	21.16	-0.45	3.43E-01	no
Gm8909	1.59	2.98	0.91	3.44E-01	no
Phlda1	4.00	2.37	-0.75	3.44E-01	no
Aaas	26.64	19.42	-0.46	3.44E-01	no
Tor3a	10.19	14.03	0.46	3.44E-01	no
Pde1b	14.85	19.96	0.43	3.44E-01	no
Unc79	0.17	0.07	-1.23	3.45E-01	no
Rrp12	11.34	8.33	-0.45	3.45E-01	no
Stxbp4	2.59	1.65	-0.65	3.45E-01	no
Btg1	50.02	38.82	-0.37	3.45E-01	no
U2af1	49.09	36.44	-0.43	3.45E-01	no
Evpl	0.58	1.01	0.80	3.46E-01	no
Spry4	0.37	0.16	-1.18	3.46E-01	no
Disc1	0.00	0.08	1.79769e+	3.46E-01	no
Pip4k2c	13.98	18.73	0.42	3.46E-01	no
Irf2bp2	30.48	39.27	0.37	3.46E-01	no
Cpsf6	56.64	44.13	-0.36	3.46E-01	no
Cdca7	79.11	61.64	-0.36	3.46E-01	no
Usp37	15.58	11.95	-0.38	3.46E-01	no
Rev1	13.08	9.67	-0.44	3.46E-01	no
Prrt2	2.58	1.50	-0.78	3.46E-01	no
Icosl	0.56	0.24	-1.24	3.46E-01	no
Pik3cg	25.95	31.36	0.27	3.46E-01	no
Psmc1	39.17	30.27	-0.37	3.47E-01	no
Nbeal2	7.15	9.45	0.40	3.47E-01	no
2010204K13Ri	5.63	2.65	-1.09	3.47E-01	no
Pus7	13.12	9.50	-0.47	3.48E-01	no
Slc25a23	7.24	4.95	-0.55	3.48E-01	no
Coq2	25.66	18.55	-0.47	3.50E-01	no
Aven	13.16	8.75	-0.59	3.50E-01	no
Tubg1	29.66	21.77	-0.45	3.51E-01	no
Hoxa5	1.15	2.20	0.93	3.51E-01	no

Smc3	43.95	34.29	-0.36	3.51E-01	no
Alg6	7.43	4.88	-0.61	3.51E-01	no
Polr2l	14.17	9.48	-0.58	3.51E-01	no
Flywch2	0.39	1.25	1.67	3.51E-01	no
Tpd52	40.62	51.07	0.33	3.52E-01	no
Scamp1	1.21	2.16	0.84	3.52E-01	no
Dcakd	23.35	16.82	-0.47	3.52E-01	no
Klrd1	0.89	2.25	1.33	3.52E-01	no
Parp10	16.18	20.96	0.37	3.52E-01	no
Eif4g2	100.49	79.43	-0.34	3.52E-01	no
3110062M04R	5.37	7.84	0.55	3.53E-01	no
Spef1	7.80	5.08	-0.62	3.53E-01	no
Csk	82.90	64.78	-0.36	3.54E-01	no
Slc39a10	13.48	10.02	-0.43	3.54E-01	no
Haus5	20.21	14.83	-0.45	3.54E-01	no
Marcks	45.43	35.25	-0.37	3.54E-01	no
Kbtbd7	10.59	7.63	-0.47	3.54E-01	no
Klhdc5	11.17	14.68	0.39	3.54E-01	no
Zfp143	15.76	11.48	-0.46	3.55E-01	no
Fam55b	0.51	0.01	-5.39	3.55E-01	no
Enthd1	0.11	0.40	1.81	3.55E-01	no
Hip1r	21.31	27.50	0.37	3.55E-01	no
Naa10	43.99	32.65	-0.43	3.55E-01	no
Cc2d1b	20.29	26.42	0.38	3.55E-01	no
Raly	147.84	123.88	-0.26	3.55E-01	no
Sdhaf2	24.70	18.68	-0.40	3.56E-01	no
Cinp	14.00	9.60	-0.54	3.57E-01	no
Ppapdc2	6.23	9.19	0.56	3.57E-01	no
Kpna3	34.45	26.66	-0.37	3.57E-01	no
Il2rg	29.84	39.84	0.42	3.58E-01	no
Vrk1	20.95	16.33	-0.36	3.58E-01	no
Ube2t	21.01	14.11	-0.57	3.58E-01	no
Ftsj1	9.10	6.34	-0.52	3.58E-01	no
Dnaja4	0.28	0.60	1.10	3.58E-01	no
Trmt2a	28.06	22.22	-0.34	3.58E-01	no
Art1	0.10	0.51	2.39	3.59E-01	no
Erbp3	1.15	1.93	0.74	3.59E-01	no
H2-T23	34.32	45.76	0.41	3.59E-01	no
4930567H12Ri	0.00	0.20	1.79769e+	3.60E-01	no
Ascl2	0.00	0.13	1.79769e+	3.60E-01	no
Btbd16	0.00	0.06	1.79769e+	3.60E-01	no
C4bp-ps1	0.00	0.27	1.79769e+	3.60E-01	no

Ccdc136	0.00	0.04	1.79769e+	3.60E-01	no
Cd209c	0.00	0.15	1.79769e+	3.60E-01	no
Clec4b2	0.00	0.24	1.79769e+	3.60E-01	no
Cmb1	0.00	0.22	1.79769e+	3.60E-01	no
Crispld1	0.00	0.07	1.79769e+	3.60E-01	no
Dpp10	0.00	0.06	1.79769e+	3.60E-01	no
Gm8787	0.00	0.20	1.79769e+	3.60E-01	no
Gpr45	0.00	0.06	1.79769e+	3.60E-01	no
Hpca	0.00	0.12	1.79769e+	3.60E-01	no
Lrp2	0.00	0.01	1.79769e+	3.60E-01	no
Pard3	0.00	0.03	1.79769e+	3.60E-01	no
Zfp462	0.00	0.02	1.79769e+	3.60E-01	no
Lrrc66	0.08	0.00	-1.79769e-	3.60E-01	no
Pdcd1lg2	0.10	0.32	1.63	3.60E-01	no
Stac3	0.62	1.26	1.03	3.60E-01	no
Il15	1.56	3.09	0.99	3.60E-01	no
Dmd	0.14	0.27	0.92	3.60E-01	no
Fahd2a	5.55	8.96	0.69	3.60E-01	no
Oas1a	8.95	13.09	0.55	3.60E-01	no
Slc27a1	11.75	16.05	0.45	3.60E-01	no
Maml3	6.07	8.20	0.43	3.60E-01	no
Ifi47	30.23	40.37	0.42	3.60E-01	no
Mcm6	93.37	73.18	-0.35	3.60E-01	no
C2cd3	24.56	19.22	-0.35	3.60E-01	no
Pou2af1	186.54	145.45	-0.36	3.60E-01	no
Wbp11	50.85	39.61	-0.36	3.60E-01	no
Eif2s2	55.18	42.80	-0.37	3.60E-01	no
Eef1g	362.19	280.84	-0.37	3.60E-01	no
Ncl	78.25	60.57	-0.37	3.60E-01	no
0610007L01Ril	20.60	15.61	-0.40	3.60E-01	no
Ube2g1	20.38	15.31	-0.41	3.60E-01	no
Recql	24.04	18.05	-0.41	3.60E-01	no
Wdr18	18.43	13.72	-0.43	3.60E-01	no
Tmem206	13.24	9.79	-0.44	3.60E-01	no
D030056L22Ri	24.44	17.49	-0.48	3.60E-01	no
Tmem173	13.72	9.58	-0.52	3.60E-01	no
Abhd14a	9.89	6.39	-0.63	3.60E-01	no
Dmc1	1.12	0.55	-1.03	3.60E-01	no
Emid2	0.31	0.10	-1.56	3.60E-01	no
Fcer2a	0.45	0.03	-3.87	3.60E-01	no
Tnfrsf23	0.43	0.88	1.02	3.60E-01	no
Cbx3	52.13	39.68	-0.39	3.60E-01	no

Gxylt1	12.80	9.71	-0.40	3.60E-01	no
Paqr7	1.53	2.73	0.83	3.60E-01	no
Dscam	0.03	0.11	1.93	3.60E-01	no
Rab33a	0.54	1.28	1.25	3.60E-01	no
Gabarap	56.85	74.61	0.39	3.60E-01	no
Ikzf5	17.60	13.24	-0.41	3.60E-01	no
Btbd3	1.25	2.12	0.76	3.61E-01	no
D930020B18Ri	0.00	0.06	1.79769e+	3.61E-01	no
Immt	40.04	31.04	-0.37	3.62E-01	no
Rab11b	32.34	25.29	-0.35	3.62E-01	no
Dtx1	3.38	2.08	-0.70	3.62E-01	no
Scrg1	0.00	0.30	1.79769e+	3.62E-01	no
Strc	0.00	0.02	1.79769e+	3.62E-01	no
Zfp9	0.06	0.00	-1.79769e-	3.62E-01	no
Acadsb	3.87	5.95	0.62	3.62E-01	no
Vbp1	49.00	36.78	-0.41	3.62E-01	no
Exoc3l	1.98	3.27	0.72	3.62E-01	no
Pi4ka	28.26	22.09	-0.36	3.62E-01	no
B3gnt6	0.00	0.09	1.79769e+	3.63E-01	no
Pparg	0.00	0.12	1.79769e+	3.63E-01	no
Nid1	0.44	0.82	0.90	3.63E-01	no
Dock10	29.05	37.29	0.36	3.63E-01	no
Atp1b3	121.55	94.89	-0.36	3.63E-01	no
Abce1	42.66	33.29	-0.36	3.63E-01	no
2610027L16Ri	18.43	13.98	-0.40	3.63E-01	no
St5	0.68	0.28	-1.26	3.63E-01	no
Atic	45.70	35.46	-0.37	3.63E-01	no
Gnptg	8.86	13.44	0.60	3.63E-01	no
Scaper	2.99	4.43	0.57	3.64E-01	no
Trim28	85.48	67.15	-0.35	3.64E-01	no
Tax1bp1	47.31	36.92	-0.36	3.64E-01	no
Brcc3	19.92	14.73	-0.44	3.64E-01	no
Emp1	22.91	30.95	0.43	3.65E-01	no
Ifrd2	25.48	18.83	-0.44	3.65E-01	no
Sft2d2	38.17	48.96	0.36	3.65E-01	no
Sec23b	27.06	20.56	-0.40	3.65E-01	no
Poc1b	19.11	14.06	-0.44	3.66E-01	no
Cdc42bpa	2.67	1.80	-0.57	3.66E-01	no
Relb	6.07	9.01	0.57	3.66E-01	no
Dnajb14	0.86	1.66	0.94	3.66E-01	no
Rcor2	13.58	9.46	-0.52	3.66E-01	no
Rprd1b	31.67	24.47	-0.37	3.66E-01	no

Gpr137b-ps	5.47	8.13	0.57	3.68E-01	no
Crtc3	8.05	10.74	0.42	3.68E-01	no
Mypop	1.34	2.33	0.80	3.68E-01	no
Zfp951	3.29	5.20	0.66	3.68E-01	no
Rsrc2	45.99	37.33	-0.30	3.68E-01	no
Eef1d	61.22	47.92	-0.35	3.69E-01	no
Selenbp2	1.40	2.52	0.85	3.69E-01	no
Alg8	20.93	14.99	-0.48	3.69E-01	no
Tg	0.03	0.10	1.85	3.69E-01	no
Scarb1	29.30	22.31	-0.39	3.69E-01	no
Dgka	30.15	39.15	0.38	3.69E-01	no
Calu	41.16	33.28	-0.31	3.69E-01	no
Fam195a	6.05	3.46	-0.81	3.69E-01	no
H2-t9	0.19	0.76	1.98	3.70E-01	no
Gm6402	96.49	75.02	-0.36	3.70E-01	no
Hist1h4i	17.85	11.02	-0.70	3.70E-01	no
6030468B19Ri	0.19	0.00	-1.79769e-	3.70E-01	no
Gys2	0.08	0.00	-1.79769e-	3.70E-01	no
Sftpb	0.11	0.00	-1.79769e-	3.70E-01	no
Stoml3	0.25	0.00	-1.79769e-	3.70E-01	no
Nav2	3.42	2.51	-0.45	3.71E-01	no
A630033H20R	6.89	4.55	-0.60	3.71E-01	no
Chst14	2.95	4.76	0.69	3.71E-01	no
Pelo	14.73	10.10	-0.55	3.71E-01	no
Fbxo45	17.50	13.20	-0.41	3.71E-01	no
Slc22a5	7.60	10.79	0.51	3.71E-01	no
Naaa	2.41	1.35	-0.83	3.71E-01	no
Ninj1	24.13	33.29	0.46	3.72E-01	no
Baz1b	60.83	47.69	-0.35	3.72E-01	no
Rasl2-9-ps	22.26	15.11	-0.56	3.72E-01	no
Dusp2	41.36	53.78	0.38	3.72E-01	no
Taf15	50.35	39.04	-0.37	3.72E-01	no
Deaf1	13.07	9.36	-0.48	3.72E-01	no
Ccl22	0.30	0.04	-2.85	3.73E-01	no
Trim3	2.34	3.74	0.67	3.73E-01	no
Slc25a24	3.77	5.79	0.62	3.73E-01	no
ldh3g	54.50	41.54	-0.39	3.73E-01	no
Cct6a	67.46	52.75	-0.35	3.74E-01	no
Tbx19	0.69	0.33	-1.06	3.74E-01	no
Fkbp2	30.72	21.26	-0.53	3.74E-01	no
Tnfaip1	9.14	6.56	-0.48	3.74E-01	no
1110018J18Ri	10.32	6.38	-0.69	3.74E-01	no

Pls3	1.17	2.10	0.84	3.74E-01	no
Cdkn3	25.51	17.07	-0.58	3.74E-01	no
Mipep	9.26	6.28	-0.56	3.75E-01	no
E130309D02Ri	29.67	22.58	-0.39	3.75E-01	no
Itga4	48.76	38.10	-0.36	3.75E-01	no
Al662270	70.12	53.93	-0.38	3.76E-01	no
Tnfrsf13b	18.29	11.87	-0.62	3.76E-01	no
Med1	41.08	34.37	-0.26	3.76E-01	no
Pak4	10.59	7.55	-0.49	3.76E-01	no
Depdc7	0.78	1.54	0.98	3.76E-01	no
Atp8a1	20.80	16.64	-0.32	3.76E-01	no
Izumo4	3.86	6.56	0.76	3.77E-01	no
Slc9a2	0.10	0.30	1.57	3.77E-01	no
Wnt5b	0.08	0.26	1.77	3.77E-01	no
Lag3	0.18	0.51	1.53	3.77E-01	no
C230096C10Ri	12.69	9.85	-0.37	3.77E-01	no
Tomm40	37.33	28.69	-0.38	3.77E-01	no
Nqo2	5.28	3.47	-0.60	3.78E-01	no
Ctso	9.87	13.64	0.47	3.79E-01	no
Fas	1.01	2.12	1.07	3.79E-01	no
Chpf2	10.42	13.97	0.42	3.79E-01	no
Actl6a	38.74	29.61	-0.39	3.79E-01	no
Cyb561d1	13.49	10.22	-0.40	3.79E-01	no
Cacna1i	1.35	0.87	-0.63	3.79E-01	no
Psors1c2	0.74	0.18	-2.08	3.79E-01	no
Rab11fip2	4.81	6.65	0.47	3.79E-01	no
Man2b1	17.85	23.06	0.37	3.79E-01	no
Prmt7	19.15	14.04	-0.45	3.79E-01	no
Ccng2	54.90	42.82	-0.36	3.80E-01	no
Phb	29.70	22.24	-0.42	3.80E-01	no
Zfp551	1.30	2.26	0.81	3.80E-01	no
Kctd7	3.73	2.43	-0.62	3.81E-01	no
Elk1	5.55	7.95	0.52	3.81E-01	no
Slc12a9	7.70	10.71	0.48	3.81E-01	no
8430406I07Rik	7.23	4.83	-0.58	3.81E-01	no
A330040F15Ri	1.18	0.51	-1.22	3.81E-01	no
Setmar	1.47	2.64	0.85	3.82E-01	no
Sestd1	1.33	0.75	-0.83	3.82E-01	no
Tsnaxip1	0.23	0.03	-2.80	3.82E-01	no
2410018L13Ril	0.00	0.13	1.79769e+	3.83E-01	no
Bmyc	6.26	10.24	0.71	3.83E-01	no
Usp32	7.17	9.50	0.41	3.83E-01	no

Hsp90b1	101.15	79.84	-0.34	3.84E-01	no
Nudcd2	29.23	21.49	-0.44	3.84E-01	no
Rnase6	7.89	4.70	-0.75	3.84E-01	no
1700039E15Ri	0.00	0.11	1.79769e+	3.84E-01	no
Atp6v0e2	0.00	0.10	1.79769e+	3.84E-01	no
Col15a1	0.00	0.03	1.79769e+	3.84E-01	no
Kcnu1	0.00	0.05	1.79769e+	3.84E-01	no
Klhdc7b	0.00	0.09	1.79769e+	3.84E-01	no
Vgf	0.00	0.06	1.79769e+	3.84E-01	no
Cd1d1	25.11	33.30	0.41	3.84E-01	no
Ophn1	0.26	0.53	1.05	3.85E-01	no
Plekho2	20.74	26.92	0.38	3.85E-01	no
Ildr1	0.90	1.62	0.86	3.85E-01	no
Ispd	0.39	0.80	1.04	3.85E-01	no
Slc35f5	3.00	4.80	0.68	3.85E-01	no
Clic4	48.46	61.53	0.34	3.85E-01	no
Ctsa	19.77	24.76	0.32	3.85E-01	no
Zfp809	17.72	12.94	-0.45	3.85E-01	no
Asb14	0.00	0.09	1.79769e+	3.85E-01	no
Atp5g1	70.84	54.16	-0.39	3.85E-01	no
Mrpl51	34.46	25.48	-0.44	3.86E-01	no
Sema5a	0.07	0.01	-2.59	3.86E-01	no
Pola2	38.72	30.58	-0.34	3.86E-01	no
Sirpa	4.99	7.01	0.49	3.87E-01	no
Nsmce1	31.94	22.97	-0.48	3.87E-01	no
Nov	0.00	0.08	1.79769e+	3.87E-01	no
Olah	0.00	0.13	1.79769e+	3.87E-01	no
Sh2d1b1	0.00	0.13	1.79769e+	3.87E-01	no
Tmie	0.00	0.07	1.79769e+	3.87E-01	no
Kank1	0.07	0.18	1.40	3.87E-01	no
Atp2b1	17.04	13.28	-0.36	3.87E-01	no
Msl3l2	2.49	4.05	0.70	3.87E-01	no
Ak2	82.34	66.04	-0.32	3.87E-01	no
Zc3h12b	0.52	0.97	0.91	3.88E-01	no
Api5	61.75	48.76	-0.34	3.88E-01	no
Ms4a3	1.07	0.37	-1.54	3.88E-01	no
Nudt16	7.54	11.27	0.58	3.88E-01	no
Hnrnpr	70.06	55.18	-0.34	3.88E-01	no
Tmem107	8.54	5.28	-0.69	3.88E-01	no
Asprv1	0.23	0.62	1.43	3.89E-01	no
Camk1g	1.95	3.26	0.74	3.89E-01	no
Anp32a	70.58	55.48	-0.35	3.89E-01	no

Mapt	0.13	0.35	1.46	3.89E-01	no
Mfsd9	0.56	1.05	0.90	3.89E-01	no
Sardh	0.03	0.23	3.21	3.89E-01	no
BC017643	47.68	60.74	0.35	3.89E-01	no
Snrpd2	132.19	100.78	-0.39	3.89E-01	no
Pds5a	63.29	50.02	-0.34	3.89E-01	no
D430020J02Ri	13.23	9.52	-0.48	3.89E-01	no
Rab37	6.71	4.34	-0.63	3.90E-01	no
Rab3il1	1.24	2.17	0.80	3.90E-01	no
Atp6v0b	30.34	41.54	0.45	3.90E-01	no
Cutc	10.70	7.04	-0.60	3.90E-01	no
Naa16	13.03	9.59	-0.44	3.90E-01	no
Mmachc	9.64	6.41	-0.59	3.90E-01	no
Sema3g	1.44	0.80	-0.84	3.90E-01	no
Otud6b	18.04	13.49	-0.42	3.90E-01	no
Boll	0.16	1.48	3.18	3.91E-01	no
Ezh2	103.73	83.78	-0.31	3.91E-01	no
Slc30a4	20.00	15.51	-0.37	3.91E-01	no
Cyp11b1	0.01	0.91	6.00	3.91E-01	no
Socs7	10.86	8.35	-0.38	3.92E-01	no
Hesx1	0.86	0.33	-1.38	3.92E-01	no
Opa1	20.02	16.10	-0.31	3.93E-01	no
lars	31.00	24.35	-0.35	3.93E-01	no
Slc12a4	6.23	4.30	-0.53	3.93E-01	no
Wtap	60.73	50.44	-0.27	3.93E-01	no
Ilf2	42.12	32.42	-0.38	3.93E-01	no
Pcnx12	0.03	0.11	1.67	3.94E-01	no
Cyb5r4	25.01	18.90	-0.40	3.94E-01	no
Il13ra1	0.13	0.34	1.38	3.95E-01	no
Eftud2	44.76	36.27	-0.30	3.95E-01	no
Myst2	25.33	20.21	-0.33	3.95E-01	no
Mmrn1	15.01	11.55	-0.38	3.95E-01	no
Thoc3	29.62	22.66	-0.39	3.95E-01	no
Gm5065	0.00	0.02	1.79769e+	3.96E-01	no
2010110P09Ri	0.00	0.12	1.79769e+	3.96E-01	no
Barhl1	0.00	0.04	1.79769e+	3.96E-01	no
C1qtnf9	0.00	0.07	1.79769e+	3.96E-01	no
Fam178b	0.00	0.09	1.79769e+	3.96E-01	no
Gm3696	0.00	0.07	1.79769e+	3.96E-01	no
Vaultrc5	0.00	0.48	1.79769e+	3.96E-01	no
1700001K23Ri	0.00	0.33	1.79769e+	3.96E-01	no
1700007K09Ri	0.00	0.23	1.79769e+	3.96E-01	no

4930590J08Ri	0.00	0.04	1.79769e+	3.96E-01	no
4932435O22Ri	0.00	0.04	1.79769e+	3.96E-01	no
4933433C11Ri	0.00	0.10	1.79769e+	3.96E-01	no
Car11	0.00	0.10	1.79769e+	3.96E-01	no
Ccdc42	0.00	0.11	1.79769e+	3.96E-01	no
Cygb	0.00	0.06	1.79769e+	3.96E-01	no
Dfnb59	0.00	0.12	1.79769e+	3.96E-01	no
Drd1a	0.00	0.04	1.79769e+	3.96E-01	no
Fam107a	0.00	0.05	1.79769e+	3.96E-01	no
Frem2	0.00	0.01	1.79769e+	3.96E-01	no
Ghr	0.00	0.04	1.79769e+	3.96E-01	no
Gm1027	0.00	0.03	1.79769e+	3.96E-01	no
Gm5126	0.00	0.07	1.79769e+	3.96E-01	no
Khdrbs2	0.00	0.11	1.79769e+	3.96E-01	no
Leap2	0.00	0.32	1.79769e+	3.96E-01	no
Lmx1b	0.00	0.12	1.79769e+	3.96E-01	no
Lrat	0.00	0.03	1.79769e+	3.96E-01	no
Nlrp4c	0.00	0.04	1.79769e+	3.96E-01	no
Nos1	0.00	0.03	1.79769e+	3.96E-01	no
Patl2	0.00	0.06	1.79769e+	3.96E-01	no
Pebp4	0.00	0.15	1.79769e+	3.96E-01	no
Pgc	0.00	0.11	1.79769e+	3.96E-01	no
Pirt	0.00	0.05	1.79769e+	3.96E-01	no
Ppp2r2c	0.00	0.04	1.79769e+	3.96E-01	no
Ptprk	0.00	0.02	1.79769e+	3.96E-01	no
Scg2	0.00	0.06	1.79769e+	3.96E-01	no
She	0.00	0.03	1.79769e+	3.96E-01	no
Styxl1	0.00	0.09	1.79769e+	3.96E-01	no
Ugt8a	0.00	0.04	1.79769e+	3.96E-01	no
Wnt8b	0.00	0.04	1.79769e+	3.96E-01	no
Zfp711	0.00	0.03	1.79769e+	3.96E-01	no
Col25a1	0.05	0.00	-1.79769e-	3.96E-01	no
Tshb	0.38	0.00	-1.79769e-	3.96E-01	no
Kctd15	0.03	0.31	3.18	3.96E-01	no
Dyrk4	0.12	0.39	1.73	3.96E-01	no
Rap1gap	0.25	0.52	1.03	3.96E-01	no
Zfp931	0.68	1.37	1.01	3.96E-01	no
Cxx1c	2.00	3.62	0.86	3.96E-01	no
Angpt1	0.61	1.09	0.84	3.96E-01	no
Fbxw9	3.75	5.88	0.65	3.96E-01	no
Oas1g	3.88	6.08	0.65	3.96E-01	no
Fbxl4	4.27	6.52	0.61	3.96E-01	no

Mafg	5.91	8.97	0.60	3.96E-01	no
2510002D24Ri	11.29	16.42	0.54	3.96E-01	no
Dhx58	7.35	10.43	0.51	3.96E-01	no
Zfp53	8.23	11.51	0.48	3.96E-01	no
A230050P20Ri	11.89	16.60	0.48	3.96E-01	no
Herc3	5.88	8.13	0.47	3.96E-01	no
Rras2	23.09	30.60	0.41	3.96E-01	no
Ctnnb1	91.25	76.53	-0.25	3.96E-01	no
Dgkz	65.27	54.01	-0.27	3.96E-01	no
Creb1	32.21	26.19	-0.30	3.96E-01	no
Clasp2	18.24	14.50	-0.33	3.96E-01	no
Fubp1	46.80	37.05	-0.34	3.96E-01	no
Fam38a	16.48	12.98	-0.34	3.96E-01	no
Hspa8	286.09	224.15	-0.35	3.96E-01	no
Man1b1	28.77	22.50	-0.36	3.96E-01	no
Polr1a	15.16	11.83	-0.36	3.96E-01	no
Manea	20.65	15.93	-0.37	3.96E-01	no
Rpl7l1	30.23	23.31	-0.38	3.96E-01	no
Psmc4	48.09	37.05	-0.38	3.96E-01	no
Zmat2	32.98	25.21	-0.39	3.96E-01	no
Cops4	35.07	26.63	-0.40	3.96E-01	no
Cops3	42.48	32.26	-0.40	3.96E-01	no
Mrpl18	61.65	46.69	-0.40	3.96E-01	no
Ost4	83.41	62.42	-0.42	3.96E-01	no
Katnb1	13.53	10.06	-0.43	3.96E-01	no
Phlpp2	6.06	4.50	-0.43	3.96E-01	no
Prpf38a	26.95	19.71	-0.45	3.96E-01	no
Ptma	1995.60	1435.34	-0.48	3.96E-01	no
Ppa2	15.23	10.21	-0.58	3.96E-01	no
Appl2	5.24	3.44	-0.61	3.96E-01	no
Ptplb	4.43	2.89	-0.62	3.96E-01	no
Hpdl	0.66	0.27	-1.28	3.96E-01	no
Fgd5	0.19	0.08	-1.29	3.96E-01	no
Dclre1c	15.16	19.20	0.34	3.96E-01	no
Exog	6.06	4.23	-0.52	3.96E-01	no
Rras	1.60	2.97	0.89	3.98E-01	no
Necab3	2.06	1.16	-0.83	3.98E-01	no
Padi1	0.29	0.56	0.97	3.98E-01	no
1700029F09Ri	29.82	21.47	-0.47	3.98E-01	no
Cd274	1.89	3.04	0.68	3.98E-01	no
Eaf1	27.87	21.85	-0.35	3.99E-01	no
Stat5a	17.52	22.25	0.34	3.99E-01	no

Zfp455	2.56	4.15	0.70	4.00E-01	no
Xrcc3	18.40	13.69	-0.43	4.00E-01	no
Lrguk	0.63	0.30	-1.07	4.00E-01	no
Uba3	24.47	18.69	-0.39	4.00E-01	no
Gria3	0.64	1.15	0.83	4.01E-01	no
Rngtt	11.90	8.79	-0.44	4.01E-01	no
Gtf2a2	41.39	29.70	-0.48	4.02E-01	no
Cdca4	47.32	37.15	-0.35	4.03E-01	no
Klf13	30.60	24.21	-0.34	4.04E-01	no
3830406C13Ri	8.44	12.03	0.51	4.04E-01	no
Bcl9l	9.42	12.33	0.39	4.04E-01	no
Casc4	7.89	5.70	-0.47	4.04E-01	no
Ldoc1l	15.70	12.07	-0.38	4.04E-01	no
Tbrg4	32.37	25.96	-0.32	4.05E-01	no
Slc35a4	50.91	40.73	-0.32	4.05E-01	no
Cep72	10.69	7.79	-0.46	4.05E-01	no
Tbc1d22a	8.17	11.14	0.45	4.06E-01	no
Flnb	3.69	4.93	0.42	4.06E-01	no
Abcb7	21.60	16.92	-0.35	4.06E-01	no
Acp1	11.13	8.11	-0.46	4.06E-01	no
Ccdc146	0.21	0.04	-2.34	4.06E-01	no
Al182371	0.54	0.18	-1.59	4.06E-01	no
Ankrd37	2.42	1.27	-0.94	4.07E-01	no
Man1c1	0.59	1.03	0.80	4.07E-01	no
Tmem185b	10.57	14.92	0.50	4.07E-01	no
Cldn15	0.41	0.11	-1.85	4.07E-01	no
Arrdc2	3.38	5.23	0.63	4.07E-01	no
Camp	1.17	2.41	1.04	4.08E-01	no
Shc4	1.20	1.91	0.67	4.08E-01	no
Abtb1	16.12	21.78	0.43	4.08E-01	no
Hspa14	37.84	29.07	-0.38	4.08E-01	no
Ipo7	51.62	40.86	-0.34	4.08E-01	no
Cuta	37.90	51.66	0.45	4.08E-01	no
LOC624853	0.44	0.00	-1.79769e	4.09E-01	no
Slc27a2	0.24	0.55	1.20	4.09E-01	no
Eif3l	65.23	51.49	-0.34	4.09E-01	no
Bcl2l13	15.59	12.22	-0.35	4.09E-01	no
Atp10d	5.88	4.31	-0.45	4.09E-01	no
Ccdc126	1.27	2.22	0.80	4.09E-01	no
Elavl1	25.31	19.99	-0.34	4.09E-01	no
Eif3j	42.27	32.95	-0.36	4.09E-01	no
Slc2a3	7.83	5.58	-0.49	4.09E-01	no

Kif3c	3.75	5.13	0.45	4.10E-01	no
Sord	20.80	27.24	0.39	4.10E-01	no
Syne2	6.88	5.42	-0.34	4.10E-01	no
Dap	49.27	38.20	-0.37	4.10E-01	no
Adck1	5.89	8.60	0.55	4.11E-01	no
Ccdc88b	3.13	4.42	0.50	4.11E-01	no
Rbm15	22.68	17.58	-0.37	4.11E-01	no
Ctnn	0.10	0.29	1.49	4.12E-01	no
Ptpmt1	7.19	10.86	0.60	4.12E-01	no
Tra2b	152.19	121.14	-0.33	4.12E-01	no
Serpinf2	0.20	0.49	1.29	4.12E-01	no
Erbp2ip	33.59	40.35	0.26	4.12E-01	no
Dlst	44.06	34.75	-0.34	4.12E-01	no
2310008H09Ri	19.26	15.47	-0.32	4.13E-01	no
Akap11	17.78	14.08	-0.34	4.13E-01	no
Ppp2r5d	32.28	25.32	-0.35	4.13E-01	no
Dmwd	0.76	0.39	-0.98	4.13E-01	no
Slc47a2	0.11	0.36	1.74	4.13E-01	no
Nup88	36.93	29.55	-0.32	4.13E-01	no
Dot1l	30.46	24.21	-0.33	4.13E-01	no
Zfp382	13.07	9.33	-0.49	4.13E-01	no
Krt222	0.54	0.25	-1.13	4.13E-01	no
6230427J02RiI	13.69	19.66	0.52	4.13E-01	no
Slco2b1	0.20	0.07	-1.45	4.13E-01	no
Ppp1r3d	0.07	0.23	1.72	4.14E-01	no
Kcna5	0.36	0.15	-1.27	4.14E-01	no
Flad1	12.27	16.67	0.44	4.14E-01	no
Zfp704	8.34	10.63	0.35	4.14E-01	no
Cstf2	37.20	29.52	-0.33	4.14E-01	no
2510009E07Ri	3.84	2.57	-0.58	4.14E-01	no
Rab44	2.89	1.89	-0.62	4.14E-01	no
Enpp1	1.92	1.15	-0.74	4.14E-01	no
Fuca1	10.65	14.52	0.45	4.14E-01	no
Spon1	0.11	0.24	1.12	4.15E-01	no
Tsen34	15.69	11.09	-0.50	4.15E-01	no
Slc26a11	1.07	1.86	0.80	4.15E-01	no
Nutf2	12.24	8.49	-0.53	4.15E-01	no
Zfp287	1.33	2.11	0.67	4.15E-01	no
Furin	9.42	12.25	0.38	4.15E-01	no
Csl	13.67	9.66	-0.50	4.15E-01	no
Fastkd5	11.81	8.70	-0.44	4.15E-01	no
Galt	8.89	12.60	0.50	4.16E-01	no

Parp2	27.75	20.88	-0.41	4.17E-01	no
Phex	0.11	0.02	-2.52	4.17E-01	no
Gm10394	0.00	0.07	1.79769e+	4.18E-01	no
Theg	0.00	0.15	1.79769e+	4.18E-01	no
1700016K19Ri	0.16	0.00	-1.79769e-	4.18E-01	no
1700065117Rik	0.28	0.00	-1.79769e-	4.18E-01	no
1700084C01Ri	0.12	0.00	-1.79769e-	4.18E-01	no
Adamtsl3	0.02	0.00	-1.79769e-	4.18E-01	no
Adra2c	0.05	0.00	-1.79769e-	4.18E-01	no
Als2cr12	0.11	0.00	-1.79769e-	4.18E-01	no
Atf7ip2	0.09	0.00	-1.79769e-	4.18E-01	no
Bmp6	0.07	0.00	-1.79769e-	4.18E-01	no
Car4	0.13	0.00	-1.79769e-	4.18E-01	no
Ccdc48	0.05	0.00	-1.79769e-	4.18E-01	no
Dbx2	0.08	0.00	-1.79769e-	4.18E-01	no
Ephb3	0.04	0.00	-1.79769e-	4.18E-01	no
Fam46d	0.09	0.00	-1.79769e-	4.18E-01	no
Ffar3	0.11	0.00	-1.79769e-	4.18E-01	no
Figf	0.10	0.00	-1.79769e-	4.18E-01	no
Fras1	0.01	0.00	-1.79769e-	4.18E-01	no
Galnt11	0.04	0.00	-1.79769e-	4.18E-01	no
Gm11529	0.08	0.00	-1.79769e-	4.18E-01	no
Gm4598	0.17	0.00	-1.79769e-	4.18E-01	no
Gm7092	0.15	0.00	-1.79769e-	4.18E-01	no
Lhx9	0.09	0.00	-1.79769e-	4.18E-01	no
Lor	0.09	0.00	-1.79769e-	4.18E-01	no
Lpo	0.06	0.00	-1.79769e-	4.18E-01	no
Ncan	0.02	0.00	-1.79769e-	4.18E-01	no
Npas2	0.04	0.00	-1.79769e-	4.18E-01	no
Nxn12	0.14	0.00	-1.79769e-	4.18E-01	no
Oas1h	0.14	0.00	-1.79769e-	4.18E-01	no
Pdzrn3	0.04	0.00	-1.79769e-	4.18E-01	no
Pkd2l1	0.05	0.00	-1.79769e-	4.18E-01	no
Ptk6	0.07	0.00	-1.79769e-	4.18E-01	no
Rdh8	0.11	0.00	-1.79769e-	4.18E-01	no
Rnf32	0.17	0.00	-1.79769e-	4.18E-01	no
Slc17a1	0.10	0.00	-1.79769e-	4.18E-01	no
Slc27a5	0.07	0.00	-1.79769e-	4.18E-01	no
Sycp2	0.04	0.00	-1.79769e-	4.18E-01	no
Tigd4	0.07	0.00	-1.79769e-	4.18E-01	no
Tmem45b	0.13	0.00	-1.79769e-	4.18E-01	no
Tnn	0.03	0.00	-1.79769e-	4.18E-01	no

Tuba3a	0.11	0.00	-1.79769e	4.18E-01	no
Wtip	0.08	0.00	-1.79769e	4.18E-01	no
Xirp1	0.02	0.00	-1.79769e	4.18E-01	no
Matn2	0.05	0.21	2.04	4.18E-01	no
Gm13305,Il111	0.51	1.41	1.47	4.18E-01	no
Pltp	0.20	0.52	1.39	4.18E-01	no
Nhs	0.21	0.41	0.95	4.18E-01	no
BC029214	10.17	15.20	0.58	4.18E-01	no
Zfyve16	4.37	6.09	0.48	4.18E-01	no
D6Wsu116e	16.43	21.00	0.35	4.18E-01	no
Tap2	28.65	36.59	0.35	4.18E-01	no
Fth1	193.48	242.70	0.33	4.18E-01	no
Foxp4	30.68	25.59	-0.26	4.18E-01	no
Luc7l	38.32	31.23	-0.30	4.18E-01	no
Pold1	64.89	51.85	-0.32	4.18E-01	no
Papola	58.22	46.49	-0.32	4.18E-01	no
Pnn	56.51	45.03	-0.33	4.18E-01	no
Etf1	48.86	38.87	-0.33	4.18E-01	no
Cct3	68.74	54.53	-0.33	4.18E-01	no
Ssbp3	19.78	15.41	-0.36	4.18E-01	no
2610318N02Ri	29.08	21.40	-0.44	4.18E-01	no
Yaf2	15.14	11.03	-0.46	4.18E-01	no
Exosc6	17.46	12.19	-0.52	4.18E-01	no
Lsm5	43.88	30.05	-0.55	4.18E-01	no
Tspan5	6.49	4.44	-0.55	4.18E-01	no
Lactb	9.29	6.35	-0.55	4.18E-01	no
Rinl	4.90	3.27	-0.59	4.18E-01	no
Cass4	2.83	1.80	-0.65	4.18E-01	no
Trappc2	10.93	6.73	-0.70	4.18E-01	no
Lrrn3	2.10	1.27	-0.73	4.18E-01	no
Gm15698	1.90	0.94	-1.02	4.18E-01	no
Lamb1	0.20	0.09	-1.18	4.18E-01	no
4833418N02Ri	0.75	0.32	-1.23	4.18E-01	no
Astl	0.47	0.20	-1.25	4.18E-01	no
Vsig10	0.23	0.09	-1.45	4.18E-01	no
Spata9	0.60	0.11	-2.48	4.18E-01	no
Ppm1d	19.51	14.82	-0.40	4.18E-01	no
Zfp57	0.00	0.11	1.79769e+	4.18E-01	no
Wdr89	83.64	66.80	-0.32	4.18E-01	no
Serpini1	1.29	0.72	-0.84	4.18E-01	no
Prpf18	24.12	18.74	-0.36	4.19E-01	no
Uckl1	13.51	18.52	0.46	4.19E-01	no

Atp11c	22.43	18.27	-0.30	4.19E-01	no
Trim68	4.66	6.90	0.57	4.19E-01	no
Plekhf1	1.50	2.60	0.79	4.19E-01	no
Polr1c	23.60	17.06	-0.47	4.19E-01	no
1700066M21R	10.07	7.13	-0.50	4.19E-01	no
Pgap3	5.64	8.18	0.54	4.20E-01	no
Slc35c1	19.03	24.16	0.34	4.20E-01	no
Habp4	1.93	1.16	-0.74	4.20E-01	no
Fzr1	38.87	30.57	-0.35	4.20E-01	no
Sp140	5.81	8.40	0.53	4.20E-01	no
lsg20l2	32.53	25.54	-0.35	4.20E-01	no
Hmg1l1	2.45	1.36	-0.85	4.21E-01	no
Gm4841	0.08	0.30	1.97	4.21E-01	no
D6Mm5e	0.96	1.68	0.82	4.21E-01	no
Snx32	5.13	7.74	0.59	4.21E-01	no
Fam189b	10.68	14.34	0.43	4.21E-01	no
Snx33	7.08	9.47	0.42	4.21E-01	no
Kif13a	4.65	6.20	0.42	4.21E-01	no
Ifi203	71.51	85.50	0.26	4.21E-01	no
D830031N03R	5.00	3.68	-0.44	4.21E-01	no
Cenpq	21.36	15.27	-0.48	4.21E-01	no
D630029K05Ri	0.19	0.00	-1.79769e-	4.21E-01	no
Gm14139	0.13	0.00	-1.79769e-	4.21E-01	no
Ado	16.84	13.01	-0.37	4.21E-01	no
Trim15	0.15	0.00	-1.79769e-	4.22E-01	no
Zfp839	4.57	6.38	0.48	4.22E-01	no
Mbnl2	16.54	20.93	0.34	4.22E-01	no
Ssr1	20.33	16.22	-0.33	4.22E-01	no
Eif2b1	18.82	13.84	-0.44	4.22E-01	no
Tsks	0.00	0.12	1.79769e+	4.22E-01	no
Rps5	303.59	243.01	-0.32	4.22E-01	no
Ubap2	36.54	29.14	-0.33	4.22E-01	no
Tspan4	6.32	4.02	-0.65	4.22E-01	no
Akap9	11.41	14.34	0.33	4.22E-01	no
2700029M09R	40.26	30.16	-0.42	4.22E-01	no
Nop58	50.53	39.79	-0.34	4.22E-01	no
Cblb	16.42	12.90	-0.35	4.22E-01	no
BC051142	0.28	0.71	1.31	4.23E-01	no
Gipc3	0.61	1.31	1.11	4.23E-01	no
Adcy6	2.27	3.30	0.54	4.23E-01	no
2310008H04Ri	9.93	7.19	-0.46	4.23E-01	no
Galm	0.61	1.14	0.89	4.23E-01	no

Emilin1	5.81	8.04	0.47	4.23E-01	no
Casp12	0.03	0.21	3.00	4.23E-01	no
Hus1	14.10	10.79	-0.39	4.24E-01	no
Best3	0.07	0.00	-1.79769e	4.25E-01	no
Nut	0.05	0.00	-1.79769e	4.25E-01	no
Cuedc1	1.50	0.85	-0.82	4.25E-01	no
Nudt5	33.10	25.13	-0.40	4.26E-01	no
Atg14	6.76	9.34	0.47	4.26E-01	no
BC053749	12.52	9.14	-0.45	4.26E-01	no
Gan	4.04	5.97	0.56	4.27E-01	no
Man1a	22.01	27.94	0.34	4.27E-01	no
Ahsa2	8.65	6.21	-0.48	4.27E-01	no
Rexo2	23.67	16.81	-0.49	4.27E-01	no
Catsperg2	0.07	0.23	1.64	4.28E-01	no
Epb4.2	0.04	0.00	-1.79769e	4.28E-01	no
Ggt7	0.05	0.00	-1.79769e	4.28E-01	no
Bcl6b	1.55	2.54	0.71	4.28E-01	no
Zfr2	0.24	0.47	0.99	4.28E-01	no
Syt13	0.12	0.02	-2.65	4.28E-01	no
Cxcr2	0.24	0.52	1.11	4.28E-01	no
Ppt2	5.47	8.26	0.60	4.28E-01	no
Pstpip2	1.04	0.55	-0.92	4.28E-01	no
Gramd4	37.21	29.71	-0.32	4.29E-01	no
1700001J11Ri	0.67	1.24	0.88	4.29E-01	no
Cul3	48.55	38.56	-0.33	4.30E-01	no
Psm2	65.11	52.27	-0.32	4.31E-01	no
Arap2	8.20	6.27	-0.39	4.31E-01	no
Hist2h2bb	4.06	2.14	-0.92	4.31E-01	no
Prps1l3	38.63	30.73	-0.33	4.31E-01	no
Fam54b	16.91	22.65	0.42	4.32E-01	no
Plin2	18.48	24.44	0.40	4.33E-01	no
Nsmaf	19.58	24.97	0.35	4.33E-01	no
Ppp2r2d	23.96	18.12	-0.40	4.33E-01	no
Cdk2ap2	42.35	31.55	-0.42	4.33E-01	no
Hcn2	0.29	0.11	-1.38	4.33E-01	no
Nme2	167.46	136.09	-0.30	4.33E-01	no
C030019I05Ri	31.28	24.26	-0.37	4.33E-01	no
Atp6ap1	44.79	35.32	-0.34	4.33E-01	no
Gpx2-ps1	1.12	0.50	-1.18	4.33E-01	no
Sac3d1	17.91	12.74	-0.49	4.33E-01	no
Gapt	1.72	0.96	-0.83	4.33E-01	no
Ndufab1	35.41	25.34	-0.48	4.33E-01	no

Cdr2	1.90	1.15	-0.73	4.33E-01	no
Gas2	3.09	1.90	-0.70	4.33E-01	no
Prkcd	43.14	54.33	0.33	4.34E-01	no
Polr3h	11.77	8.53	-0.47	4.34E-01	no
Gm5483	0.00	0.44	1.79769e+	4.34E-01	no
Pcyt1b	1.48	0.90	-0.71	4.34E-01	no
Tln2	0.14	0.07	-0.97	4.34E-01	no
Fetub	0.19	0.00	-1.79769e-	4.35E-01	no
Cbl	25.09	19.92	-0.33	4.35E-01	no
Nhp2	35.83	26.50	-0.43	4.35E-01	no
Rabl5	33.06	24.00	-0.46	4.35E-01	no
Zdhhc2	0.65	0.31	-1.08	4.35E-01	no
Arhgap18	13.09	17.08	0.38	4.35E-01	no
Tbp	27.04	20.41	-0.41	4.35E-01	no
BC013712	24.81	19.23	-0.37	4.36E-01	no
Zfp114	0.75	1.34	0.84	4.37E-01	no
Ndel1	15.65	20.59	0.40	4.37E-01	no
Stk35	14.94	11.98	-0.32	4.37E-01	no
Sf3a3	36.12	28.00	-0.37	4.37E-01	no
Agrn	1.09	0.68	-0.67	4.37E-01	no
Ywhae	126.58	101.63	-0.32	4.37E-01	no
Rhoc	0.11	0.55	2.30	4.37E-01	no
Gpr150	0.24	0.55	1.22	4.37E-01	no
Fam53b	107.21	128.25	0.26	4.37E-01	no
Usp6nl	16.39	13.01	-0.33	4.37E-01	no
Zmpste24	28.46	22.36	-0.35	4.37E-01	no
2610039C10Ri	31.32	23.08	-0.44	4.37E-01	no
Svip	1.28	2.18	0.78	4.38E-01	no
Ywhaq	65.53	52.22	-0.33	4.38E-01	no
Piga	9.98	7.25	-0.46	4.38E-01	no
2010109K11Ri	10.51	7.79	-0.43	4.38E-01	no
Naaladl1	1.74	1.02	-0.77	4.38E-01	no
Gng2	13.32	17.43	0.39	4.38E-01	no
Wdr19	1.33	2.09	0.65	4.38E-01	no
Sfxn4	1.48	2.45	0.72	4.39E-01	no
Rimbp3	0.17	0.32	0.95	4.40E-01	no
Scn3a	0.01	0.10	3.42	4.40E-01	no
Rrad	0.84	1.53	0.87	4.40E-01	no
Cabp1	0.33	0.78	1.25	4.40E-01	no
Tnrc6b	15.32	18.11	0.24	4.40E-01	no
Krt18	0.12	0.41	1.80	4.40E-01	no
1810063B07Ri	2.24	3.57	0.67	4.40E-01	no

Lef1	59.65	74.68	0.32	4.40E-01	no
Ept1	7.67	5.76	-0.41	4.41E-01	no
Rps6ka5	11.19	8.43	-0.41	4.41E-01	no
Zfp429	5.42	8.10	0.58	4.41E-01	no
Asnsd1	34.92	27.31	-0.35	4.42E-01	no
Ccdc61	14.12	10.27	-0.46	4.42E-01	no
Gprasp1	11.52	14.24	0.31	4.42E-01	no
Tkt	59.53	47.85	-0.32	4.42E-01	no
Slc3a2	27.95	21.98	-0.35	4.42E-01	no
Psma6	70.61	54.95	-0.36	4.42E-01	no
Mett10d	17.91	13.56	-0.40	4.42E-01	no
Pla2g15	10.21	7.35	-0.47	4.42E-01	no
Mcp1	7.38	5.41	-0.45	4.42E-01	no
Cchcr1	17.48	13.40	-0.38	4.43E-01	no
Usp54	4.25	5.71	0.43	4.43E-01	no
Timm50	36.24	27.32	-0.41	4.44E-01	no
Bmi1	24.76	19.37	-0.35	4.44E-01	no
Cep110	35.17	28.26	-0.32	4.44E-01	no
Rassf5	30.48	38.31	0.33	4.44E-01	no
Tmem121	5.79	3.71	-0.64	4.44E-01	no
Prkra	7.49	11.05	0.56	4.45E-01	no
Trp53i13	7.67	11.24	0.55	4.45E-01	no
Bloc1s2	22.06	15.44	-0.52	4.45E-01	no
Tada2b	14.50	11.10	-0.38	4.45E-01	no
Htt	15.02	12.06	-0.32	4.45E-01	no
D4Ert22e	43.70	36.15	-0.27	4.45E-01	no
Cst3	54.27	40.71	-0.41	4.45E-01	no
Prdm5	0.73	1.31	0.85	4.46E-01	no
Prpf19	58.25	46.51	-0.32	4.46E-01	no
Rplp0	513.28	406.11	-0.34	4.46E-01	no
4930503L19Ril	16.36	12.05	-0.44	4.46E-01	no
Tmsb15b1	5.28	9.15	0.79	4.46E-01	no
Accs	3.82	5.84	0.61	4.46E-01	no
Cap1	88.99	110.73	0.32	4.46E-01	no
Agap2	8.34	10.74	0.36	4.46E-01	no
Sorcs2	7.67	5.80	-0.40	4.46E-01	no
Ostf1	27.47	35.65	0.38	4.46E-01	no
Hcfc1	65.68	52.38	-0.33	4.47E-01	no
Cyba	33.33	44.80	0.43	4.48E-01	no
D10Wsu52e	49.68	39.42	-0.33	4.48E-01	no
Nod2	0.56	0.95	0.75	4.49E-01	no
Zfp39	5.81	4.09	-0.51	4.49E-01	no

Ddx19a	32.27	25.46	-0.34	4.49E-01	no
Pitpnb	29.26	22.95	-0.35	4.49E-01	no
Ppp1r7	21.03	16.47	-0.35	4.49E-01	no
Ranbp1	74.38	58.08	-0.36	4.49E-01	no
Ncbp2	29.96	23.11	-0.37	4.49E-01	no
Phf5a	33.42	25.49	-0.39	4.49E-01	no
B4galnt2	1.32	0.81	-0.72	4.49E-01	no
5730408K05Ri	10.91	6.41	-0.77	4.49E-01	no
Decr2	4.14	6.31	0.61	4.49E-01	no
Cul1	35.54	28.30	-0.33	4.49E-01	no
Cpne1	36.30	29.41	-0.30	4.50E-01	no
H2-DMb2	4.18	2.37	-0.82	4.50E-01	no
Col20a1	0.24	0.45	0.90	4.50E-01	no
Tmem51	0.11	0.32	1.54	4.51E-01	no
3110048L19Ri	1.73	2.23	0.37	4.51E-01	no
Rbbp8	19.51	15.14	-0.37	4.51E-01	no
Nespas	1.00	0.53	-0.91	4.51E-01	no
1110008F13Ri	56.64	43.67	-0.38	4.51E-01	no
Pcyox1l	8.53	5.88	-0.54	4.52E-01	no
Plxnb1	0.30	0.17	-0.86	4.52E-01	no
Srsf2ip	40.30	32.45	-0.31	4.52E-01	no
4933434E20Ri	20.51	26.95	0.39	4.52E-01	no
Hibadh	48.19	37.91	-0.35	4.52E-01	no
Ank	0.73	1.23	0.75	4.53E-01	no
Mrfap1	134.73	108.48	-0.31	4.53E-01	no
Thoc6	25.46	18.93	-0.43	4.53E-01	no
Cd34	0.11	0.00	-1.79769e-	4.53E-01	no
Ttyh2	0.26	0.51	0.99	4.53E-01	no
Ticam1	3.92	5.70	0.54	4.53E-01	no
Fam171b	0.03	0.19	2.45	4.53E-01	no
Glt8d2	0.17	0.44	1.32	4.53E-01	no
Il21r	8.08	11.07	0.45	4.53E-01	no
Smurf2	12.46	9.66	-0.37	4.53E-01	no
LOC100042049	69.82	53.33	-0.39	4.53E-01	no
Ccdc25	19.82	14.95	-0.41	4.53E-01	no
Siglec1	0.23	0.12	-0.99	4.54E-01	no
G3bp1	97.33	78.50	-0.31	4.54E-01	no
Exosc9	27.09	20.43	-0.41	4.54E-01	no
Setd6	7.91	5.32	-0.57	4.54E-01	no
Gas8	3.99	5.99	0.59	4.54E-01	no
Zfp111	0.84	1.33	0.67	4.54E-01	no
Las1l	24.00	18.70	-0.36	4.54E-01	no

Rhbdl3	0.18	0.36	1.03	4.55E-01	no
Hnrnpk	308.84	246.03	-0.33	4.55E-01	no
Aarsd1	24.92	18.49	-0.43	4.55E-01	no
Bivm	3.50	5.13	0.55	4.55E-01	no
Eif5a2	3.13	4.52	0.53	4.55E-01	no
Cpsf2	42.19	34.02	-0.31	4.55E-01	no
Gzmm	0.74	0.32	-1.20	4.55E-01	no
1700026D11Ri	0.21	0.00	-1.79769e	4.56E-01	no
Dcst1	0.07	0.00	-1.79769e	4.56E-01	no
Lin28b	0.04	0.00	-1.79769e	4.56E-01	no
Tacstd2	0.09	0.00	-1.79769e	4.56E-01	no
Dok2	1.60	2.71	0.76	4.56E-01	no
Sbf2	1.17	1.77	0.60	4.56E-01	no
Clybl	5.03	7.72	0.62	4.56E-01	no
Dhrs9	0.04	0.28	2.94	4.57E-01	no
Rhobtb3	0.04	0.17	2.02	4.57E-01	no
Eef1b2	79.66	63.99	-0.32	4.57E-01	no
Hsd3b7	3.97	2.49	-0.67	4.57E-01	no
Gem	4.64	6.87	0.56	4.57E-01	no
Dis3	19.40	15.17	-0.36	4.58E-01	no
Uvrag	20.35	25.68	0.34	4.58E-01	no
Sp2	23.56	18.79	-0.33	4.58E-01	no
Ranbp3l	0.24	0.49	1.04	4.58E-01	no
Mfsd11	6.41	8.93	0.48	4.58E-01	no
Eno1,Gm5506	65.45	52.37	-0.32	4.58E-01	no
Uchl5	31.49	24.55	-0.36	4.58E-01	no
Nxf1	49.68	39.67	-0.32	4.59E-01	no
Cdan1	15.51	12.33	-0.33	4.59E-01	no
Polr1b	17.08	13.34	-0.36	4.59E-01	no
Mdh1	56.74	45.21	-0.33	4.59E-01	no
Zcwpw1	7.49	5.21	-0.52	4.59E-01	no
Mei1	0.02	0.20	3.35	4.59E-01	no
Leng9	2.18	3.48	0.68	4.59E-01	no
Xpa	5.59	8.64	0.63	4.59E-01	no
Adcy3	3.24	4.92	0.60	4.59E-01	no
Hectd3	11.37	14.53	0.35	4.59E-01	no
Dnajc21	28.60	36.30	0.34	4.59E-01	no
Smc1a	58.39	47.18	-0.31	4.59E-01	no
Utp20	14.32	11.48	-0.32	4.59E-01	no
Tsn	45.64	36.51	-0.32	4.59E-01	no
Kdelr2	25.22	19.02	-0.41	4.59E-01	no
Lrrc8b	13.25	9.91	-0.42	4.59E-01	no

Poc5	13.11	9.80	-0.42	4.59E-01	no
Terf1	23.08	17.24	-0.42	4.59E-01	no
Saal1	7.39	5.46	-0.44	4.59E-01	no
Tiparp	8.30	6.05	-0.45	4.59E-01	no
Klhl10	0.14	0.40	1.48	4.60E-01	no
Isyna1	29.41	22.72	-0.37	4.60E-01	no
2010005H15Ri	0.00	0.25	1.79769e+	4.60E-01	no
Slc38a1	54.73	63.83	0.22	4.60E-01	no
Aire	0.07	0.28	1.93	4.60E-01	no
Anapc1	32.57	26.32	-0.31	4.60E-01	no
Prdx1	112.99	90.69	-0.32	4.60E-01	no
Gm5595	1.41	2.26	0.68	4.60E-01	no
Bcl9	11.63	14.82	0.35	4.60E-01	no
Smarcb1	53.19	43.39	-0.29	4.61E-01	no
Gm8994	32.91	25.40	-0.37	4.61E-01	no
Cox8a	121.48	95.16	-0.35	4.61E-01	no
Palm	16.08	12.46	-0.37	4.62E-01	no
Ppp1r14c	0.00	0.06	1.79769e+	4.62E-01	no
Rapgef6	20.24	25.13	0.31	4.62E-01	no
Rps6ka3	23.80	18.15	-0.39	4.62E-01	no
2210409E12Ri	1.45	0.28	-2.36	4.62E-01	no
4930583H14Ri	0.00	0.14	1.79769e+	4.62E-01	no
Gm6377	0.39	0.82	1.06	4.62E-01	no
F11r	0.54	1.02	0.91	4.62E-01	no
Memo1	37.97	29.16	-0.38	4.62E-01	no
Ubtd2	5.32	3.62	-0.56	4.63E-01	no
Ccdc63	0.46	0.21	-1.11	4.63E-01	no
Scn2a1	0.00	0.02	1.79769e+	4.63E-01	no
Mcm3	76.45	61.86	-0.31	4.63E-01	no
Zfp101	13.62	10.04	-0.44	4.63E-01	no
Tslp	0.00	0.23	1.79769e+	4.63E-01	no
Pabpc2	0.07	0.00	-1.79769e-	4.63E-01	no
4930592I03Rik	0.14	0.00	-1.79769e-	4.63E-01	no
Gm4832	0.28	0.00	-1.79769e-	4.63E-01	no
Nono	186.87	150.16	-0.32	4.63E-01	no
Mettl14	14.21	10.63	-0.42	4.63E-01	no
Zfp395	16.79	21.23	0.34	4.63E-01	no
Zfp709	5.25	7.33	0.48	4.63E-01	no
Pcmt2	17.45	22.34	0.36	4.63E-01	no
Lsm10	11.88	17.14	0.53	4.64E-01	no
Gm7120	1.54	2.84	0.88	4.64E-01	no
Usp3	24.52	31.42	0.36	4.64E-01	no

Bhlhe41	2.24	1.26	-0.83	4.65E-01	no
Mgat5	15.12	19.41	0.36	4.65E-01	no
Ppp6r3	53.62	45.29	-0.24	4.66E-01	no
Lrrc8d	9.60	12.36	0.36	4.66E-01	no
Depdc5	13.14	10.73	-0.29	4.66E-01	no
Herpud1	79.03	63.64	-0.31	4.66E-01	no
Thap2	12.87	9.61	-0.42	4.66E-01	no
L2hgdh	8.60	6.21	-0.47	4.66E-01	no
Ywhag	46.31	37.36	-0.31	4.66E-01	no
Nostrin	0.57	0.25	-1.17	4.66E-01	no
Tcf12	41.43	33.45	-0.31	4.66E-01	no
Ppwd1	17.77	13.36	-0.41	4.66E-01	no
Wdr34	10.02	7.02	-0.51	4.66E-01	no
Gm3086	0.40	1.10	1.45	4.66E-01	no
Gm14085	3.45	5.01	0.54	4.66E-01	no
Lrg1	0.05	0.37	2.85	4.67E-01	no
Arhgef9	1.14	1.79	0.65	4.67E-01	no
Rps6kc1	2.02	3.01	0.57	4.67E-01	no
Fut10	2.25	3.34	0.57	4.67E-01	no
Gfm1	19.73	15.16	-0.38	4.67E-01	no
Rufy1	13.23	9.94	-0.41	4.67E-01	no
Spire1	0.50	0.24	-1.04	4.67E-01	no
Tnpo1	40.37	33.81	-0.26	4.67E-01	no
Pde11a	0.07	0.24	1.76	4.68E-01	no
A430107O13R	0.07	0.19	1.35	4.68E-01	no
Zfp677	4.50	6.53	0.54	4.68E-01	no
Ssb	66.92	54.35	-0.30	4.68E-01	no
Blmh	39.95	31.79	-0.33	4.68E-01	no
Polr2d	38.33	29.02	-0.40	4.68E-01	no
Gm14057	0.46	0.18	-1.32	4.68E-01	no
Mapk1ip1l	44.93	36.27	-0.31	4.69E-01	no
Tyrobp	5.91	9.57	0.70	4.69E-01	no
Msl3	35.15	27.73	-0.34	4.69E-01	no
Thoc4	51.15	39.98	-0.36	4.69E-01	no
Neto2	3.96	2.75	-0.53	4.69E-01	no
Sash1	4.98	6.54	0.39	4.69E-01	no
Atp5a1	144.93	117.35	-0.30	4.70E-01	no
Cpsf4	26.56	20.22	-0.39	4.71E-01	no
1700019O17Ri	0.08	0.00	-1.79769e	4.71E-01	no
Aldob	0.07	0.00	-1.79769e	4.71E-01	no
Amotl2	0.03	0.00	-1.79769e	4.71E-01	no
Ano7	0.04	0.00	-1.79769e	4.71E-01	no

Bmp2	0.05	0.00	-1.79769e	4.71E-01	no
Bnipl	0.08	0.00	-1.79769e	4.71E-01	no
Chgb	0.05	0.00	-1.79769e	4.71E-01	no
Cnksr1	0.06	0.00	-1.79769e	4.71E-01	no
Colec12	0.04	0.00	-1.79769e	4.71E-01	no
Ctf2	0.16	0.00	-1.79769e	4.71E-01	no
Dchs1	0.01	0.00	-1.79769e	4.71E-01	no
Dusp14	0.10	0.00	-1.79769e	4.71E-01	no
Eml1	0.03	0.00	-1.79769e	4.71E-01	no
Gpr3	0.06	0.00	-1.79769e	4.71E-01	no
Marco	0.07	0.00	-1.79769e	4.71E-01	no
Pla1a	0.07	0.00	-1.79769e	4.71E-01	no
Spinkl	0.24	0.00	-1.79769e	4.71E-01	no
Tmem145	0.06	0.00	-1.79769e	4.71E-01	no
Pm20d2	0.13	0.27	1.04	4.71E-01	no
Catsper2	1.02	1.74	0.77	4.71E-01	no
Hemgn	1.17	1.95	0.74	4.71E-01	no
Shb	1.88	2.92	0.64	4.71E-01	no
Galk2	11.28	15.07	0.42	4.71E-01	no
Snapin	18.04	23.80	0.40	4.71E-01	no
Rps6ka1	11.97	15.51	0.37	4.71E-01	no
Nsun2	30.83	24.84	-0.31	4.71E-01	no
Tbc1d10b	29.49	23.66	-0.32	4.71E-01	no
Ppil1	58.32	46.03	-0.34	4.71E-01	no
Ccdc88a	6.58	5.09	-0.37	4.71E-01	no
Bysl	13.88	10.72	-0.37	4.71E-01	no
Golt1b	18.81	14.33	-0.39	4.71E-01	no
Hspa4l	11.37	8.57	-0.41	4.71E-01	no
Nfs1	17.50	13.11	-0.42	4.71E-01	no
Lsm11	5.31	3.93	-0.43	4.71E-01	no
E130201H02Ri	37.99	28.17	-0.43	4.71E-01	no
Tmem39b	16.42	12.05	-0.45	4.71E-01	no
Usp53	1.90	1.21	-0.65	4.71E-01	no
Ephb2	1.14	0.67	-0.76	4.71E-01	no
Galnt14	1.57	2.48	0.66	4.71E-01	no
Msl1	42.69	34.55	-0.31	4.71E-01	no
Eya1	5.19	7.06	0.45	4.72E-01	no
Dpy19l3	5.95	7.69	0.37	4.72E-01	no
4930529C04Ri	1.64	1.03	-0.67	4.72E-01	no
Hbp1	25.99	32.26	0.31	4.73E-01	no
AA474331	2.21	3.84	0.79	4.73E-01	no
Nfkbiz	6.08	8.20	0.43	4.73E-01	no

Hsd1l1	25.82	32.30	0.32	4.73E-01	no
Mina	17.20	12.94	-0.41	4.74E-01	no
1110002L01Ril	7.61	5.48	-0.47	4.74E-01	no
Ebi3	1.15	2.13	0.89	4.75E-01	no
Cln6	14.10	18.69	0.41	4.75E-01	no
Gramd1a	27.99	35.03	0.32	4.75E-01	no
Srsf6	77.62	63.02	-0.30	4.75E-01	no
Arfp1	14.84	11.20	-0.41	4.75E-01	no
Cbx1	49.34	38.65	-0.35	4.75E-01	no
Nkap	15.44	12.02	-0.36	4.76E-01	no
Prps1l1	0.08	0.36	2.19	4.76E-01	no
Cct7	56.92	45.98	-0.31	4.76E-01	no
Parp14	18.31	22.73	0.31	4.77E-01	no
Ubr7	36.29	29.16	-0.32	4.77E-01	no
Atp6v0a4	0.29	0.13	-1.23	4.77E-01	no
Aim2	10.75	14.40	0.42	4.77E-01	no
Baiap2l1	0.38	0.69	0.87	4.78E-01	no
Parp1	69.47	56.34	-0.30	4.78E-01	no
Rnf185	9.72	12.94	0.41	4.78E-01	no
Cherp	45.59	36.97	-0.30	4.78E-01	no
Rpl4	513.43	409.72	-0.33	4.78E-01	no
C630043F03Ri	0.51	0.25	-1.04	4.78E-01	no
Esyt1	59.86	48.63	-0.30	4.78E-01	no
Srpk1	34.74	27.67	-0.33	4.78E-01	no
B4galt1	33.90	41.99	0.31	4.78E-01	no
Phkb	8.58	11.19	0.38	4.79E-01	no
Nr1i3	0.09	0.00	-1.79769e-	4.79E-01	no
Unc119b	25.34	20.24	-0.32	4.79E-01	no
Whamm	8.15	10.87	0.42	4.79E-01	no
Bnip3l	29.11	36.44	0.32	4.79E-01	no
Ift80	19.03	15.01	-0.34	4.79E-01	no
Mfsd7a	0.05	0.24	2.18	4.79E-01	no
Fbxo39	0.34	0.10	-1.78	4.80E-01	no
Mppe1	9.51	13.04	0.46	4.80E-01	no
Elmo2	15.62	12.47	-0.33	4.80E-01	no
Psmc6	40.35	31.44	-0.36	4.80E-01	no
Tyk2	13.02	16.38	0.33	4.80E-01	no
Gemin4	14.43	11.14	-0.37	4.80E-01	no
Atp5g3	111.67	88.56	-0.33	4.80E-01	no
Pttg1ip	17.00	22.13	0.38	4.81E-01	no
Pias4	16.22	21.39	0.40	4.81E-01	no
Slit1	4.09	2.94	-0.48	4.81E-01	no

Glis3	0.13	0.03	-2.29	4.82E-01	no
Atp6v1f	56.04	72.61	0.37	4.82E-01	no
Eif2c2	26.31	21.37	-0.30	4.82E-01	no
Ier3	0.59	0.17	-1.77	4.82E-01	no
Tulp3	6.51	8.80	0.43	4.82E-01	no
Phlpp1	11.07	8.71	-0.35	4.82E-01	no
Impdh1	62.14	77.07	0.31	4.83E-01	no
Chd1	26.90	21.84	-0.30	4.83E-01	no
Gm7367	97.25	78.41	-0.31	4.83E-01	no
Zfp473	2.39	1.58	-0.60	4.84E-01	no
2200002K05Ri	0.00	0.07	1.79769e+	4.84E-01	no
4930519G04Ri	0.00	0.07	1.79769e+	4.84E-01	no
A1bg	0.00	0.08	1.79769e+	4.84E-01	no
A530099J19Ril	0.00	0.07	1.79769e+	4.84E-01	no
Accn5	0.00	0.09	1.79769e+	4.84E-01	no
Apod	0.00	0.08	1.79769e+	4.84E-01	no
Arnt2	0.00	0.02	1.79769e+	4.84E-01	no
Cfc1	0.00	0.13	1.79769e+	4.84E-01	no
Clec1a	0.00	0.05	1.79769e+	4.84E-01	no
Clec4g	0.00	0.10	1.79769e+	4.84E-01	no
Crtac1	0.00	0.05	1.79769e+	4.84E-01	no
D6Erttd474e	0.00	0.06	1.79769e+	4.84E-01	no
Dok6	0.00	0.13	1.79769e+	4.84E-01	no
Ear7	0.00	0.39	1.79769e+	4.84E-01	no
Egr4	0.00	0.06	1.79769e+	4.84E-01	no
Fabp2	0.00	0.21	1.79769e+	4.84E-01	no
Fam179a	0.00	0.03	1.79769e+	4.84E-01	no
Fam46b	0.00	0.06	1.79769e+	4.84E-01	no
Fam71f1	0.00	0.08	1.79769e+	4.84E-01	no
Gdpd4	0.00	0.05	1.79769e+	4.84E-01	no
Gm1965	0.00	0.14	1.79769e+	4.84E-01	no
Gm7173	0.00	0.07	1.79769e+	4.84E-01	no
Gm98	0.00	0.02	1.79769e+	4.84E-01	no
Greb1	0.00	0.02	1.79769e+	4.84E-01	no
Hoga1	0.00	0.08	1.79769e+	4.84E-01	no
Hoxa11	0.00	0.06	1.79769e+	4.84E-01	no
Hrh4	0.00	0.11	1.79769e+	4.84E-01	no
Itln1	0.00	0.11	1.79769e+	4.84E-01	no
Klhl29	0.00	0.02	1.79769e+	4.84E-01	no
Lgals12	0.00	0.05	1.79769e+	4.84E-01	no
Lims2	0.00	0.08	1.79769e+	4.84E-01	no
Loxl1	0.00	0.04	1.79769e+	4.84E-01	no

Nhlrc4	0.00	0.07	1.79769e+	4.84E-01	no
Nlrp6	0.00	0.03	1.79769e+	4.84E-01	no
Noto	0.00	0.09	1.79769e+	4.84E-01	no
Oc90	0.00	0.07	1.79769e+	4.84E-01	no
Procr	0.00	0.09	1.79769e+	4.84E-01	no
Prr15l	0.00	0.09	1.79769e+	4.84E-01	no
Ptchd3	0.00	0.06	1.79769e+	4.84E-01	no
S100a14	0.00	0.12	1.79769e+	4.84E-01	no
Scrn1	0.00	0.07	1.79769e+	4.84E-01	no
Serpina3c	0.00	0.07	1.79769e+	4.84E-01	no
Slc24a3	0.00	0.04	1.79769e+	4.84E-01	no
Slc5a10	0.00	0.06	1.79769e+	4.84E-01	no
Spire2	0.00	0.05	1.79769e+	4.84E-01	no
Tcf15	0.00	0.13	1.79769e+	4.84E-01	no
Tnxb	0.00	0.01	1.79769e+	4.84E-01	no
Vmn2r105	0.00	0.08	1.79769e+	4.84E-01	no
4933405L10Ri	0.12	0.00	-1.79769e-	4.84E-01	no
Defb47	0.48	0.00	-1.79769e-	4.84E-01	no
Gal	0.21	0.00	-1.79769e-	4.84E-01	no
Hist1h2bp	0.26	0.00	-1.79769e-	4.84E-01	no
Hsd17b13	0.13	0.00	-1.79769e-	4.84E-01	no
Efna1	0.13	0.00	-1.79769e-	4.84E-01	no
Ntn4	0.03	0.00	-1.79769e-	4.84E-01	no
Bcam	0.03	0.19	2.77	4.84E-01	no
Rnf208	0.11	0.49	2.09	4.84E-01	no
Sgca	0.15	0.49	1.67	4.84E-01	no
Dram1	0.30	0.57	0.95	4.84E-01	no
Lilrb4	0.99	1.77	0.83	4.84E-01	no
Efcab4b	2.68	4.29	0.68	4.84E-01	no
Chrnbl	2.67	4.12	0.63	4.84E-01	no
6330409N04Ri	3.60	5.54	0.62	4.84E-01	no
Mt1	11.87	17.94	0.60	4.84E-01	no
Fan1	2.19	3.25	0.57	4.84E-01	no
BC067068	5.59	8.05	0.52	4.84E-01	no
Pdk2	6.59	9.20	0.48	4.84E-01	no
Degs1	10.98	14.97	0.45	4.84E-01	no
Zscan20	3.72	5.05	0.44	4.84E-01	no
2010300C02Ri	6.81	8.95	0.39	4.84E-01	no
Tcp11l2	15.75	20.50	0.38	4.84E-01	no
Tcfe3	8.87	11.54	0.38	4.84E-01	no
Atxn7l1	15.50	19.74	0.35	4.84E-01	no
Atp6v1b2	24.29	30.50	0.33	4.84E-01	no

Zer1	23.43	29.10	0.31	4.84E-01	no
Tra2a	62.70	77.62	0.31	4.84E-01	no
Mesdc1	29.18	36.05	0.30	4.84E-01	no
Ncoa2	27.34	33.21	0.28	4.84E-01	no
Prrc2a	79.82	68.64	-0.22	4.84E-01	no
Ddx24	49.31	40.43	-0.29	4.84E-01	no
Raver1	62.98	51.35	-0.29	4.84E-01	no
Spn	16.58	13.50	-0.30	4.84E-01	no
Eprs	35.61	28.99	-0.30	4.84E-01	no
Bzw1	96.14	78.27	-0.30	4.84E-01	no
Mcart1	57.92	47.12	-0.30	4.84E-01	no
Ywhab	76.83	62.49	-0.30	4.84E-01	no
Ppp1ca	181.18	147.34	-0.30	4.84E-01	no
Setd1a	29.44	23.92	-0.30	4.84E-01	no
Sf3b4	80.01	64.73	-0.31	4.84E-01	no
Eef1a1	257.34	208.11	-0.31	4.84E-01	no
Mogs	40.24	32.48	-0.31	4.84E-01	no
Glul	51.77	41.72	-0.31	4.84E-01	no
Ppig	19.96	16.07	-0.31	4.84E-01	no
Cfl1	534.00	428.95	-0.32	4.84E-01	no
Kras	28.00	22.48	-0.32	4.84E-01	no
Eif2s1	33.48	26.82	-0.32	4.84E-01	no
Ruvbl1	44.54	35.41	-0.33	4.84E-01	no
Eif2ak1	25.38	20.06	-0.34	4.84E-01	no
Mctp2	12.33	9.74	-0.34	4.84E-01	no
Pdap1	26.90	21.16	-0.35	4.84E-01	no
Pip4k2a	20.71	16.28	-0.35	4.84E-01	no
Mpp5	12.47	9.76	-0.35	4.84E-01	no
Tbl2	14.21	11.12	-0.35	4.84E-01	no
Galk1	32.72	25.43	-0.36	4.84E-01	no
Zfp161	16.21	12.59	-0.36	4.84E-01	no
Klhdc4	22.64	17.58	-0.36	4.84E-01	no
Ndufa9	40.83	31.66	-0.37	4.84E-01	no
Cdc34	35.12	27.13	-0.37	4.84E-01	no
Taf3	9.87	7.62	-0.37	4.84E-01	no
Psm11	27.17	20.94	-0.38	4.84E-01	no
AI597479	13.15	9.97	-0.40	4.84E-01	no
Spred1	11.73	8.71	-0.43	4.84E-01	no
Pmm1	14.53	10.30	-0.50	4.84E-01	no
Ttc32	20.53	14.48	-0.50	4.84E-01	no
Siah1b	11.27	7.91	-0.51	4.84E-01	no
Sntb2	2.99	2.03	-0.56	4.84E-01	no

Csad	5.26	3.56	-0.56	4.84E-01	no
Tdrkh	4.42	2.96	-0.58	4.84E-01	no
Hlx	3.54	2.31	-0.61	4.84E-01	no
B3gnt7	3.19	2.06	-0.63	4.84E-01	no
Dcbld2	0.99	0.62	-0.67	4.84E-01	no
BC028528	13.62	8.55	-0.67	4.84E-01	no
Slc39a2	0.70	0.36	-0.97	4.84E-01	no
Fcrlb	0.53	0.06	-3.28	4.84E-01	no
Wdfy1	7.52	9.87	0.39	4.85E-01	no
Naa15	34.71	28.25	-0.30	4.85E-01	no
Mmgt1	18.39	14.44	-0.35	4.85E-01	no
Abi3bp	0.00	0.04	1.79769e+	4.85E-01	no
Cd209d	0.00	0.16	1.79769e+	4.85E-01	no
Fbln5	0.00	0.03	1.79769e+	4.85E-01	no
Gm4371	0.00	0.09	1.79769e+	4.85E-01	no
Pawr	0.00	0.08	1.79769e+	4.85E-01	no
Gpmb	0.02	0.17	2.81	4.85E-01	no
Atp7b	0.11	0.23	1.09	4.85E-01	no
Ccdc33	0.44	0.84	0.93	4.85E-01	no
Napb	0.35	0.64	0.87	4.85E-01	no
Fhit	1.33	2.35	0.82	4.85E-01	no
D16Ert472e	10.31	13.07	0.34	4.85E-01	no
2010321M09R	22.15	17.68	-0.32	4.85E-01	no
Cox6a1	119.13	94.18	-0.34	4.85E-01	no
Hspe1	74.48	58.26	-0.35	4.85E-01	no
Ptcd3	23.19	18.13	-0.35	4.85E-01	no
Mrpl28	36.23	27.77	-0.38	4.85E-01	no
3200002M19R	28.99	21.14	-0.46	4.85E-01	no
Pinx1	10.89	7.61	-0.52	4.85E-01	no
Ust	2.94	1.95	-0.59	4.85E-01	no
Hsd17b11	15.63	20.83	0.41	4.85E-01	no
Rpn2	46.60	37.78	-0.30	4.85E-01	no
B3galnt1	0.00	0.08	1.79769e+	4.85E-01	no
BC048546	0.00	0.03	1.79769e+	4.85E-01	no
Fcgr4	0.00	0.12	1.79769e+	4.85E-01	no
Gpr15	0.00	0.12	1.79769e+	4.85E-01	no
Gtsf1l	0.00	0.16	1.79769e+	4.85E-01	no
Myo5b	0.00	0.02	1.79769e+	4.85E-01	no
Obsl1	0.00	0.02	1.79769e+	4.85E-01	no
Park2	0.00	0.05	1.79769e+	4.85E-01	no
Slc6a20b	0.00	0.05	1.79769e+	4.85E-01	no
Tecta	0.00	0.02	1.79769e+	4.85E-01	no

Tmc2	0.00	0.04	1.79769e+	4.85E-01	no
Por	13.51	17.49	0.37	4.85E-01	no
Rab7	85.13	107.27	0.33	4.85E-01	no
Hivep2	18.20	22.44	0.30	4.85E-01	no
Srsf11	64.43	55.68	-0.21	4.85E-01	no
Mlf2	48.30	38.93	-0.31	4.85E-01	no
Rsl24d1	52.36	41.61	-0.33	4.85E-01	no
Suv39h2	8.89	6.49	-0.45	4.85E-01	no
Rgs7bp	0.57	0.33	-0.77	4.85E-01	no
Snrpe	69.50	51.77	-0.42	4.86E-01	no
Zyg11b	12.09	14.94	0.30	4.86E-01	no
Myst4	7.05	8.95	0.34	4.86E-01	no
Spns1	13.45	17.37	0.37	4.87E-01	no
Ppil4	26.75	21.24	-0.33	4.87E-01	no
Eed	33.04	26.14	-0.34	4.87E-01	no
Ints5	25.53	20.42	-0.32	4.87E-01	no
Zfp652	13.04	16.86	0.37	4.87E-01	no
Csf3r	1.32	2.07	0.64	4.87E-01	no
Pnck	0.15	0.47	1.63	4.87E-01	no
Lztf11	6.80	9.27	0.45	4.87E-01	no
5830405N20Ri	13.15	17.61	0.42	4.87E-01	no
Peci	18.51	23.92	0.37	4.87E-01	no
Stxbp1	8.04	6.08	-0.40	4.87E-01	no
Tsc1	12.70	15.70	0.31	4.87E-01	no
Atp5b	183.70	149.90	-0.29	4.87E-01	no
Ftsj3	29.87	24.01	-0.32	4.87E-01	no
Ccbe1	0.10	0.21	1.06	4.88E-01	no
Tom1l1	0.37	0.72	0.95	4.88E-01	no
Daam1	1.48	2.18	0.55	4.88E-01	no
2310035C23Ri	12.53	15.41	0.30	4.88E-01	no
Vav3	12.71	10.03	-0.34	4.88E-01	no
Exosc2	26.79	20.66	-0.38	4.88E-01	no
Ing3	12.61	9.66	-0.38	4.88E-01	no
C230052I12Ri	14.04	10.27	-0.45	4.88E-01	no
Hbb-b2	2.56	0.05	-5.76	4.88E-01	no
Prep	89.64	109.93	0.29	4.88E-01	no
2810030E01Ri	0.28	0.13	-1.05	4.88E-01	no
Rpl3	126.92	103.50	-0.29	4.89E-01	no
Rarg	0.10	0.27	1.39	4.89E-01	no
2700094K13Ri	88.33	70.87	-0.32	4.89E-01	no
Cyp46a1	0.27	0.06	-2.07	4.89E-01	no
Rbbp5	27.12	21.80	-0.31	4.89E-01	no

Fam98c	10.86	15.12	0.48	4.90E-01	no
Ace	0.13	0.03	-2.19	4.90E-01	no
Rfx1	15.84	12.60	-0.33	4.90E-01	no
Cnih	39.60	30.76	-0.36	4.90E-01	no
2210411K11Ri	3.84	2.36	-0.70	4.90E-01	no
Fhl4	0.55	0.99	0.84	4.90E-01	no
Espnl	0.04	0.12	1.51	4.91E-01	no
Cd53	43.25	34.69	-0.32	4.91E-01	no
Nat6	7.67	10.52	0.45	4.92E-01	no
Cbfa2t2	15.21	12.44	-0.29	4.92E-01	no
Cux1	50.84	59.34	0.22	4.92E-01	no
Armc1	25.50	20.20	-0.34	4.92E-01	no
Snrpb2	37.13	28.30	-0.39	4.92E-01	no
Rgs18	4.53	2.91	-0.64	4.93E-01	no
Naa25	14.61	11.27	-0.37	4.93E-01	no
Xlr4c	4.23	6.48	0.62	4.94E-01	no
A530032D15R	2.35	3.71	0.65	4.94E-01	no
Gna12	13.19	17.40	0.40	4.94E-01	no
Fam69a	10.96	8.06	-0.44	4.94E-01	no
Bcl2a1b	0.85	0.26	-1.71	4.94E-01	no
Ctnna1	27.90	22.50	-0.31	4.94E-01	no
Btbd10	20.90	16.24	-0.36	4.95E-01	no
Trpm4	1.05	1.62	0.63	4.95E-01	no
Apitd1	27.69	20.56	-0.43	4.95E-01	no
Ccdc22	13.82	17.83	0.37	4.95E-01	no
Chordc1	43.38	34.77	-0.32	4.95E-01	no
Pgd	34.60	27.69	-0.32	4.96E-01	no
Itpkc	3.48	4.92	0.50	4.96E-01	no
Mutyh	10.07	7.21	-0.48	4.97E-01	no
Elfn2	0.25	0.12	-1.00	4.97E-01	no
Reps2	0.03	0.09	1.73	4.97E-01	no
Hba-a2	3.13	1.49	-1.07	4.97E-01	no
4921515J06Ril	0.07	0.00	-1.79769e	4.97E-01	no
Adad1	0.07	0.00	-1.79769e	4.97E-01	no
Cyp2s1	0.05	0.00	-1.79769e	4.97E-01	no
Fkbp9	0.04	0.00	-1.79769e	4.97E-01	no
Gdf3	0.07	0.00	-1.79769e	4.97E-01	no
Igsf5	0.08	0.00	-1.79769e	4.97E-01	no
Rfpl4	0.10	0.00	-1.79769e	4.97E-01	no
Sel1l3	0.03	0.00	-1.79769e	4.97E-01	no
Sult5a1	0.10	0.00	-1.79769e	4.97E-01	no
Tdrd5	0.04	0.00	-1.79769e	4.97E-01	no

Thbs4	0.03	0.00	-1.79769e	4.97E-01	no
Tspan7	0.08	0.00	-1.79769e	4.97E-01	no
Ln timer	7.75	10.01	0.37	4.97E-01	no
Ecd	22.25	17.70	-0.33	4.97E-01	no
Yeats4	38.66	30.29	-0.35	4.97E-01	no
Gstcd	13.11	9.91	-0.40	4.97E-01	no
Psmc3ip	15.96	11.22	-0.51	4.97E-01	no
Utp14b	4.71	3.28	-0.52	4.97E-01	no
Bmpr2	2.56	3.75	0.55	4.97E-01	no
Ccdc158	0.17	0.02	-3.18	4.97E-01	no
Mre11a	17.62	13.78	-0.35	4.97E-01	no
1700058G18Ri	0.15	0.00	-1.79769e	4.98E-01	no
Trim30a	33.47	41.43	0.31	4.98E-01	no
Fam64a	34.35	27.02	-0.35	4.98E-01	no
Abcb6	6.16	4.39	-0.49	4.98E-01	no
Skiv2l2	32.77	26.49	-0.31	4.98E-01	no
Wdyhv1	19.66	14.43	-0.45	4.98E-01	no
Gkap1	2.92	4.47	0.61	4.98E-01	no
Mapk1	73.54	62.11	-0.24	4.98E-01	no
Brms1l	14.16	10.71	-0.40	4.98E-01	no
Camk1	0.67	1.21	0.86	4.98E-01	no
Mtftp1	5.13	3.33	-0.62	4.98E-01	no
Nkx6-2	0.00	0.07	1.79769e+	4.98E-01	no
Mthfd2l	1.07	1.76	0.72	4.98E-01	no
Slc35b3	10.03	13.63	0.44	4.98E-01	no
Tes	18.22	23.28	0.35	4.98E-01	no
Kctd5	18.97	14.68	-0.37	4.98E-01	no
Zfp947	2.32	3.53	0.61	4.98E-01	no
Rps2	3.10	1.85	-0.74	4.99E-01	no
Phldb1	1.39	2.05	0.56	4.99E-01	no
Qrfp	0.26	0.10	-1.41	4.99E-01	no
Fsd2	0.16	0.35	1.12	4.99E-01	no
Dtx3l	20.23	25.00	0.31	4.99E-01	no
Cand1	25.99	21.26	-0.29	4.99E-01	no
Efna5	0.00	0.04	1.79769e+	5.00E-01	no
Cnpy4	15.94	11.87	-0.42	5.00E-01	no
Parp9	15.72	19.81	0.33	5.00E-01	no
Fzd7	0.83	1.30	0.66	5.00E-01	no
Pgls	111.89	90.69	-0.30	5.00E-01	no
Prkrip1	9.07	6.40	-0.50	5.00E-01	no
Tspan33	0.30	0.11	-1.48	5.00E-01	no
Ddx21	47.06	38.59	-0.29	5.01E-01	no

Mapk14	52.61	45.27	-0.22	5.01E-01	no
Celf2	56.63	50.08	-0.18	5.01E-01	no
Hspa9	63.68	52.15	-0.29	5.01E-01	no
Tubgcp6	18.16	14.78	-0.30	5.01E-01	no
Gm10516	0.28	0.10	-1.47	5.02E-01	no
2010002N04Ri	7.10	4.94	-0.52	5.02E-01	no
Gpm6a	0.16	0.04	-1.86	5.02E-01	no
Hn1	104.30	85.06	-0.29	5.03E-01	no
Hspg2	0.06	0.02	-1.22	5.03E-01	no
Actr1a	45.11	36.72	-0.30	5.03E-01	no
Colq	18.95	14.88	-0.35	5.03E-01	no
Exosc3	39.39	30.22	-0.38	5.03E-01	no
Rps4x	151.42	123.27	-0.30	5.04E-01	no
1810033B17Ri	0.31	0.73	1.24	5.04E-01	no
Ankrd23	4.76	6.80	0.51	5.04E-01	no
2310061C15Ri	20.27	15.07	-0.43	5.04E-01	no
Endog	5.74	3.71	-0.63	5.04E-01	no
Pyroxd2	0.10	0.26	1.32	5.05E-01	no
Gfod2	2.43	3.68	0.60	5.05E-01	no
Ywhaz	232.21	186.43	-0.32	5.05E-01	no
Ssbp1	21.97	16.43	-0.42	5.05E-01	no
Yeats2	21.20	17.83	-0.25	5.05E-01	no
Agbl1	0.15	0.03	-2.22	5.05E-01	no
Gm12942	5.97	8.95	0.58	5.06E-01	no
Xrcc4	4.93	7.27	0.56	5.06E-01	no
Ocrl	3.53	4.83	0.45	5.06E-01	no
Ppp1r3e	2.33	3.56	0.61	5.06E-01	no
Rabggta	6.93	9.41	0.44	5.06E-01	no
Macf1	22.35	25.97	0.22	5.06E-01	no
Foxk2	21.69	17.61	-0.30	5.06E-01	no
Rrp1b	12.95	10.45	-0.31	5.06E-01	no
Fam108a	53.04	42.65	-0.31	5.06E-01	no
Isy1	31.80	24.94	-0.35	5.06E-01	no
Metrn	27.28	20.91	-0.38	5.06E-01	no
Ubiad1	8.80	6.50	-0.44	5.06E-01	no
Wdr70	9.33	6.75	-0.47	5.06E-01	no
Arg1	0.33	0.07	-2.21	5.06E-01	no
Flot2	12.66	16.19	0.35	5.06E-01	no
Imp2l	1.02	1.83	0.84	5.07E-01	no
Arhgef6	17.08	21.25	0.32	5.07E-01	no
Tia1	43.86	36.78	-0.25	5.07E-01	no
Map1lc3b	51.50	63.54	0.30	5.07E-01	no

Ap3d1	25.99	31.80	0.29	5.07E-01	no
Dcaf12	33.92	27.55	-0.30	5.07E-01	no
Tmem59l	1.96	1.18	-0.74	5.07E-01	no
Pkib	1.04	1.62	0.64	5.08E-01	no
Anxa7	15.31	19.33	0.34	5.08E-01	no
5730507C01Ri	0.06	0.00	-1.79769e-	5.09E-01	no
Sox15	1.11	2.10	0.92	5.10E-01	no
Rcor1	32.86	26.50	-0.31	5.10E-01	no
Gm4532	3.66	2.22	-0.72	5.10E-01	no
Lrrc16b	0.10	0.03	-1.69	5.10E-01	no
Osbpl9	43.26	36.66	-0.24	5.10E-01	no
Met	0.19	0.09	-1.03	5.10E-01	no
Pcbd2	16.95	11.45	-0.57	5.10E-01	no
Cd37	111.49	136.62	0.29	5.11E-01	no
Chchd2	95.57	77.14	-0.31	5.11E-01	no
Ms4a4c	1.73	2.94	0.76	5.11E-01	no
Inca1	0.15	0.45	1.55	5.11E-01	no
Tbl3	21.99	17.38	-0.34	5.11E-01	no
Irak2	1.31	2.05	0.65	5.11E-01	no
Sdcbp2	0.16	0.44	1.49	5.11E-01	no
Dyrk1b	14.02	17.83	0.35	5.11E-01	no
Camk2n2	1.84	1.07	-0.78	5.11E-01	no
4933421O10Ri	2.76	3.95	0.52	5.12E-01	no
Smad3	15.10	12.05	-0.33	5.12E-01	no
Ctdspl2	27.07	21.95	-0.30	5.12E-01	no
Mast4	4.35	3.39	-0.36	5.12E-01	no
Bclaf1	53.03	46.40	-0.19	5.13E-01	no
Oas3	3.01	4.18	0.47	5.13E-01	no
Nop56	75.45	61.74	-0.29	5.13E-01	no
1700017B05Ri	20.14	16.36	-0.30	5.13E-01	no
Pdhb	53.78	43.18	-0.32	5.13E-01	no
Clec10a	0.12	0.42	1.83	5.13E-01	no
Fam69b	1.49	2.49	0.74	5.13E-01	no
LOC100499420	0.64	0.35	-0.87	5.14E-01	no
Dgkd	66.15	54.18	-0.29	5.14E-01	no
Fkbp3	44.36	34.24	-0.37	5.14E-01	no
Rpl35a	6.07	3.75	-0.70	5.15E-01	no
Pik3ap1	62.50	76.19	0.29	5.15E-01	no
Taf1	22.43	18.39	-0.29	5.16E-01	no
Gatad2a	25.39	21.71	-0.23	5.16E-01	no
Neil1	42.25	33.22	-0.35	5.16E-01	no
Abca7	13.43	10.87	-0.30	5.16E-01	no

Chac2	3.56	2.22	-0.68	5.16E-01	no
Wdr47	4.72	3.39	-0.48	5.16E-01	no
Jhdm1d	6.89	8.65	0.33	5.16E-01	no
Th1l	29.86	23.96	-0.32	5.16E-01	no
Fam98b	30.12	23.75	-0.34	5.16E-01	no
Amn1	3.78	5.98	0.66	5.17E-01	no
Socs5	6.32	4.70	-0.43	5.18E-01	no
Msh2	38.49	31.40	-0.29	5.18E-01	no
Rhot1	15.98	12.99	-0.30	5.19E-01	no
Rheb	26.47	20.13	-0.39	5.19E-01	no
Hint3	6.68	10.20	0.61	5.20E-01	no
Zbtb20	2.12	3.11	0.55	5.20E-01	no
Tomm6	46.68	36.76	-0.34	5.20E-01	no
Amotl1	0.54	0.34	-0.66	5.20E-01	no
AA465934	26.47	18.12	-0.55	5.20E-01	no
Msh3	17.46	13.96	-0.32	5.20E-01	no
Bace1	8.87	11.25	0.34	5.21E-01	no
Fam129b	5.74	4.22	-0.45	5.21E-01	no
Nars	37.42	31.15	-0.26	5.21E-01	no
Cd99l2	3.56	4.93	0.47	5.22E-01	no
Mybbp1a	49.83	41.07	-0.28	5.22E-01	no
Sdha	61.03	50.17	-0.28	5.22E-01	no
Gtpbp4	26.19	20.88	-0.33	5.22E-01	no
Vps37c	12.03	15.57	0.37	5.22E-01	no
Scd3	1.25	0.78	-0.68	5.23E-01	no
Tspan31	16.53	21.79	0.40	5.23E-01	no
Cnbp	115.86	99.59	-0.22	5.23E-01	no
Cnot2	67.59	56.68	-0.25	5.23E-01	no
Lrrc58	47.61	39.11	-0.28	5.23E-01	no
Zc3h6	4.82	6.40	0.41	5.24E-01	no
Psd4	22.30	27.32	0.29	5.24E-01	no
Dnmt3l	0.00	0.05	1.79769e+	5.24E-01	no
Hils1	0.00	0.12	1.79769e+	5.24E-01	no
Asb4	0.00	0.04	1.79769e+	5.24E-01	no
Cldn3	0.00	0.08	1.79769e+	5.24E-01	no
Cnnm1	0.00	0.02	1.79769e+	5.24E-01	no
Cpt1c	0.00	0.04	1.79769e+	5.24E-01	no
Fscn3	0.00	0.06	1.79769e+	5.24E-01	no
Galnt5	0.00	0.03	1.79769e+	5.24E-01	no
Il23a	0.00	0.08	1.79769e+	5.24E-01	no
Kif26b	0.00	0.01	1.79769e+	5.24E-01	no
Klhl33	0.00	0.06	1.79769e+	5.24E-01	no

Lin7b	0.00	0.13	1.79769e+	5.24E-01	no
Mapk13	0.00	0.07	1.79769e+	5.24E-01	no
Myh3	0.00	0.01	1.79769e+	5.24E-01	no
Stc2	0.00	0.05	1.79769e+	5.24E-01	no
Tie1	0.00	0.03	1.79769e+	5.24E-01	no
P2ry12	0.29	0.59	1.02	5.24E-01	no
Gnpda2	9.06	12.54	0.47	5.24E-01	no
Chmp2b	20.46	26.25	0.36	5.24E-01	no
Lax1	15.03	19.27	0.36	5.24E-01	no
Golim4	8.64	11.01	0.35	5.24E-01	no
Tcf4	28.89	24.31	-0.25	5.24E-01	no
Wars	31.61	26.25	-0.27	5.24E-01	no
Sfpq	115.47	94.89	-0.28	5.24E-01	no
Paip2	98.73	80.73	-0.29	5.24E-01	no
Mllt1	26.34	21.45	-0.30	5.24E-01	no
Cyc1	60.39	48.52	-0.32	5.24E-01	no
Ythdc2	9.62	7.59	-0.34	5.24E-01	no
Mlst8	14.55	11.42	-0.35	5.24E-01	no
Rfc3	37.83	29.64	-0.35	5.24E-01	no
Pias3	12.15	9.48	-0.36	5.24E-01	no
Mrps7	32.46	25.28	-0.36	5.24E-01	no
Cnn2	23.21	17.99	-0.37	5.24E-01	no
Tmem188	23.55	18.04	-0.38	5.24E-01	no
Stom	8.46	6.20	-0.45	5.24E-01	no
Fam113a	8.10	5.76	-0.49	5.24E-01	no
Gh	1.00	0.42	-1.25	5.24E-01	no
Gm6981	0.37	0.06	-2.53	5.24E-01	no
Dpysl2	9.53	7.36	-0.37	5.24E-01	no
Dennd3	3.87	2.83	-0.45	5.24E-01	no
Myh7	0.00	0.01	1.79769e+	5.25E-01	no
6330406I15Rik	0.00	0.04	1.79769e+	5.25E-01	no
Asphd1	0.00	0.21	1.79769e+	5.25E-01	no
Cdcp1	0.00	0.03	1.79769e+	5.25E-01	no
Dok7	0.00	0.04	1.79769e+	5.25E-01	no
Dpep2	0.00	0.06	1.79769e+	5.25E-01	no
F630042J09Rik	0.00	0.04	1.79769e+	5.25E-01	no
Gabbr2	0.00	0.03	1.79769e+	5.25E-01	no
Gm11202	0.00	0.05	1.79769e+	5.25E-01	no
Nek5	0.00	0.04	1.79769e+	5.25E-01	no
Slc19a3	0.00	0.04	1.79769e+	5.25E-01	no
a	0.00	0.16	1.79769e+	5.25E-01	no
2810405K02Ri	0.81	1.54	0.92	5.25E-01	no

Trim58	0.83	1.37	0.71	5.25E-01	no
Adck5	6.84	9.39	0.46	5.25E-01	no
Cnksr3	5.71	7.62	0.42	5.25E-01	no
Zcchc8	24.88	20.28	-0.29	5.25E-01	no
Chchd10	77.35	62.25	-0.31	5.25E-01	no
Prpf4	13.29	10.62	-0.32	5.25E-01	no
Pomt1	14.01	10.83	-0.37	5.25E-01	no
Adam9	7.97	6.02	-0.40	5.25E-01	no
Rnf5	25.18	18.94	-0.41	5.25E-01	no
Cby1	17.09	12.48	-0.45	5.25E-01	no
A930005I04Ri	0.78	0.45	-0.79	5.25E-01	no
Haus4	37.29	29.78	-0.32	5.25E-01	no
Rpf2	17.16	12.86	-0.42	5.25E-01	no
Stra13	27.40	19.83	-0.47	5.26E-01	no
Clec4a4	0.00	0.15	1.79769e+	5.27E-01	no
Sema4c	0.22	0.42	0.93	5.27E-01	no
Hes5	5.38	7.92	0.56	5.27E-01	no
Ier2	17.79	23.02	0.37	5.27E-01	no
Rif1	28.84	23.79	-0.28	5.27E-01	no
Rfk	28.54	22.72	-0.33	5.27E-01	no
Atxn7l2	8.59	6.45	-0.41	5.27E-01	no
Irgam	4.32	3.17	-0.45	5.27E-01	no
Card10	0.15	0.06	-1.26	5.27E-01	no
Eepd1	1.76	1.13	-0.64	5.28E-01	no
Pira11	0.00	0.03	1.79769e+	5.28E-01	no
Kcnd3	0.00	0.06	1.79769e+	5.28E-01	no
Fxyd2	0.00	0.22	1.79769e+	5.28E-01	no
Kcnp1	0.00	0.03	1.79769e+	5.28E-01	no
Elovl4	0.00	0.06	1.79769e+	5.28E-01	no
Gpr82	0.00	0.04	1.79769e+	5.28E-01	no
Klra3	0.00	0.06	1.79769e+	5.28E-01	no
Gm10046	0.00	0.12	1.79769e+	5.28E-01	no
0610010O12Ri	0.00	0.13	1.79769e+	5.28E-01	no
1700010B08Ri	0.00	0.09	1.79769e+	5.28E-01	no
1700020N01Ri	0.00	0.07	1.79769e+	5.28E-01	no
1700106J16Ri	0.00	0.06	1.79769e+	5.28E-01	no
2410017I17Ri	0.00	0.05	1.79769e+	5.28E-01	no
4833422F24Ri	0.00	0.04	1.79769e+	5.28E-01	no
4930404H21Ri	0.00	0.08	1.79769e+	5.28E-01	no
4930529M08R	0.00	0.05	1.79769e+	5.28E-01	no
4932438H23Ri	0.00	0.03	1.79769e+	5.28E-01	no
AF529169	0.00	0.02	1.79769e+	5.28E-01	no

Abca4	0.00	0.01	1.79769e+	5.28E-01	no
Abcg5	0.00	0.03	1.79769e+	5.28E-01	no
Abpa	0.00	0.20	1.79769e+	5.28E-01	no
Acsbg2	0.00	0.03	1.79769e+	5.28E-01	no
Adam30	0.00	0.03	1.79769e+	5.28E-01	no
Adamts12	0.00	0.01	1.79769e+	5.28E-01	no
Adamts15	0.00	0.01	1.79769e+	5.28E-01	no
Adcy1	0.00	0.01	1.79769e+	5.28E-01	no
Adh1	0.00	0.06	1.79769e+	5.28E-01	no
Adprhl1	0.00	0.06	1.79769e+	5.28E-01	no
Adra1b	0.00	0.02	1.79769e+	5.28E-01	no
Agtr1a	0.00	0.03	1.79769e+	5.28E-01	no
Ankrd56	0.00	0.02	1.79769e+	5.28E-01	no
Ankrd60	0.00	0.13	1.79769e+	5.28E-01	no
Aqp4	0.00	0.01	1.79769e+	5.28E-01	no
Aqp7	0.00	0.03	1.79769e+	5.28E-01	no
Aspa	0.00	0.05	1.79769e+	5.28E-01	no
Atoh7	0.00	0.18	1.79769e+	5.28E-01	no
B930007M17R	0.00	0.03	1.79769e+	5.28E-01	no
BC061194	0.00	0.05	1.79769e+	5.28E-01	no
Banf2	0.00	0.20	1.79769e+	5.28E-01	no
C1qtnf4	0.00	0.06	1.79769e+	5.28E-01	no
C2cd4d	0.00	0.06	1.79769e+	5.28E-01	no
Cbln1	0.00	0.03	1.79769e+	5.28E-01	no
Ccdc60	0.00	0.03	1.79769e+	5.28E-01	no
Ccdc65	0.00	0.04	1.79769e+	5.28E-01	no
Cdcp2	0.00	0.03	1.79769e+	5.28E-01	no
Cdh4	0.00	0.01	1.79769e+	5.28E-01	no
Cdhr1	0.00	0.02	1.79769e+	5.28E-01	no
Cldn1	0.00	0.02	1.79769e+	5.28E-01	no
Clec2l	0.00	0.05	1.79769e+	5.28E-01	no
Cntn2	0.00	0.01	1.79769e+	5.28E-01	no
Col5a2	0.00	0.01	1.79769e+	5.28E-01	no
Cyp21a1	0.00	0.04	1.79769e+	5.28E-01	no
Cyp2d10	0.00	0.05	1.79769e+	5.28E-01	no
Cyp2j8-ps	0.00	0.05	1.79769e+	5.28E-01	no
Cyp4b1	0.00	0.04	1.79769e+	5.28E-01	no
Dgki	0.00	0.02	1.79769e+	5.28E-01	no
Dhh	0.00	0.03	1.79769e+	5.28E-01	no
Dmrtc2	0.00	0.05	1.79769e+	5.28E-01	no
Dner	0.00	0.02	1.79769e+	5.28E-01	no
Dpep3	0.00	0.04	1.79769e+	5.28E-01	no

E030002O03Ri	0.00	0.03	1.79769e+	5.28E-01	no
Efhb	0.00	0.03	1.79769e+	5.28E-01	no
Enox1	0.00	0.02	1.79769e+	5.28E-01	no
Ern2	0.00	0.02	1.79769e+	5.28E-01	no
F7	0.00	0.04	1.79769e+	5.28E-01	no
Fabp4	0.00	0.12	1.79769e+	5.28E-01	no
Fam13c	0.00	0.02	1.79769e+	5.28E-01	no
Fam187b	0.00	0.05	1.79769e+	5.28E-01	no
Fam20a	0.00	0.03	1.79769e+	5.28E-01	no
Fam5b	0.00	0.02	1.79769e+	5.28E-01	no
Fbxl16	0.00	0.02	1.79769e+	5.28E-01	no
Fgf18	0.00	0.07	1.79769e+	5.28E-01	no
Fitm1	0.00	0.08	1.79769e+	5.28E-01	no
Flrt2	0.00	0.01	1.79769e+	5.28E-01	no
Foxd1	0.00	0.03	1.79769e+	5.28E-01	no
Fsd1	0.00	0.04	1.79769e+	5.28E-01	no
Fzd1	0.00	0.02	1.79769e+	5.28E-01	no
Gal3st2	0.00	0.03	1.79769e+	5.28E-01	no
Galnt16	0.00	0.03	1.79769e+	5.28E-01	no
Gbx1	0.00	0.05	1.79769e+	5.28E-01	no
Gfra3	0.00	0.04	1.79769e+	5.28E-01	no
Ggt6	0.00	0.04	1.79769e+	5.28E-01	no
Glt1d1	0.00	0.05	1.79769e+	5.28E-01	no
Gm1060	0.00	0.03	1.79769e+	5.28E-01	no
Gm12597	0.00	0.14	1.79769e+	5.28E-01	no
Gm13242	0.00	0.02	1.79769e+	5.28E-01	no
Gm3867	0.00	0.09	1.79769e+	5.28E-01	no
Gm5415	0.00	0.02	1.79769e+	5.28E-01	no
Gpr37	0.00	0.02	1.79769e+	5.28E-01	no
Gprc2a-rs5	0.00	0.02	1.79769e+	5.28E-01	no
Grip2	0.00	0.01	1.79769e+	5.28E-01	no
Grtp1	0.00	0.06	1.79769e+	5.28E-01	no
Gsc2	0.00	0.11	1.79769e+	5.28E-01	no
Has1	0.00	0.04	1.79769e+	5.28E-01	no
Hc	0.00	0.01	1.79769e+	5.28E-01	no
Hsd17b3	0.00	0.06	1.79769e+	5.28E-01	no
Htr1a	0.00	0.02	1.79769e+	5.28E-01	no
Ibsp	0.00	0.04	1.79769e+	5.28E-01	no
Ifna14	0.00	0.14	1.79769e+	5.28E-01	no
Il4	0.00	0.13	1.79769e+	5.28E-01	no
Insl5	0.00	0.11	1.79769e+	5.28E-01	no
Iqub	0.00	0.02	1.79769e+	5.28E-01	no

Itgb8	0.00	0.02	1.79769e+	5.28E-01	no
Kcnt1	0.00	0.02	1.79769e+	5.28E-01	no
Klf15	0.00	0.03	1.79769e+	5.28E-01	no
Klhdc8a	0.00	0.02	1.79769e+	5.28E-01	no
Klhl31	0.00	0.01	1.79769e+	5.28E-01	no
Kprp	0.00	0.03	1.79769e+	5.28E-01	no
Krt82	0.00	0.04	1.79769e+	5.28E-01	no
Lao1	0.00	0.04	1.79769e+	5.28E-01	no
Lmod3	0.00	0.03	1.79769e+	5.28E-01	no
Lrrc4b	0.00	0.03	1.79769e+	5.28E-01	no
Lyzl4	0.00	0.08	1.79769e+	5.28E-01	no
Magel2	0.00	0.02	1.79769e+	5.28E-01	no
Matn1	0.00	0.04	1.79769e+	5.28E-01	no
Mbd3l2	0.00	0.03	1.79769e+	5.28E-01	no
Mc5r	0.00	0.07	1.79769e+	5.28E-01	no
Mfap5	0.00	0.05	1.79769e+	5.28E-01	no
Micalcl	0.00	0.03	1.79769e+	5.28E-01	no
Mpdz	0.00	0.01	1.79769e+	5.28E-01	no
Mpz	0.00	0.04	1.79769e+	5.28E-01	no
Msx1	0.00	0.04	1.79769e+	5.28E-01	no
Nat3	0.00	0.05	1.79769e+	5.28E-01	no
Neurog3	0.00	0.05	1.79769e+	5.28E-01	no
Nova2	0.00	0.01	1.79769e+	5.28E-01	no
Nphs2	0.00	0.02	1.79769e+	5.28E-01	no
Nptx1	0.00	0.01	1.79769e+	5.28E-01	no
Olfm4	0.00	0.05	1.79769e+	5.28E-01	no
P2ry4	0.00	0.02	1.79769e+	5.28E-01	no
Pbld	0.00	0.04	1.79769e+	5.28E-01	no
Pcdh12	0.00	0.01	1.79769e+	5.28E-01	no
Pck1	0.00	0.03	1.79769e+	5.28E-01	no
Pcsk5	0.00	0.01	1.79769e+	5.28E-01	no
Pde3a	0.00	0.02	1.79769e+	5.28E-01	no
Phldb2	0.00	0.01	1.79769e+	5.28E-01	no
Pramef12	0.00	0.03	1.79769e+	5.28E-01	no
Psg17	0.00	0.04	1.79769e+	5.28E-01	no
Rab3c	0.00	0.01	1.79769e+	5.28E-01	no
Rbp7	0.00	0.13	1.79769e+	5.28E-01	no
Rgma	0.00	0.02	1.79769e+	5.28E-01	no
Robo1	0.00	0.01	1.79769e+	5.28E-01	no
Rp1l1	0.00	0.01	1.79769e+	5.28E-01	no
Rprl1	0.00	0.09	1.79769e+	5.28E-01	no
Rspo3	0.00	0.03	1.79769e+	5.28E-01	no

Rtp3	0.00	0.03	1.79769e+	5.28E-01	no
Scarna17	0.00	4.54	1.79769e+	5.28E-01	no
Sec1	0.00	0.04	1.79769e+	5.28E-01	no
Sema3a	0.00	0.01	1.79769e+	5.28E-01	no
Slc1a6	0.00	0.04	1.79769e+	5.28E-01	no
Slc45a2	0.00	0.02	1.79769e+	5.28E-01	no
Slc6a20a	0.00	0.04	1.79769e+	5.28E-01	no
Slc7a14	0.00	0.01	1.79769e+	5.28E-01	no
Tacr2	0.00	0.03	1.79769e+	5.28E-01	no
Tbata	0.00	0.07	1.79769e+	5.28E-01	no
Tbx15	0.00	0.02	1.79769e+	5.28E-01	no
Tmem132b	0.00	0.01	1.79769e+	5.28E-01	no
Tmem88b	0.00	0.02	1.79769e+	5.28E-01	no
Tnfaip6	0.00	0.05	1.79769e+	5.28E-01	no
Tnr	0.00	0.01	1.79769e+	5.28E-01	no
Trhde	0.00	0.01	1.79769e+	5.28E-01	no
Tssk5	0.00	0.05	1.79769e+	5.28E-01	no
Ttc36	0.00	0.10	1.79769e+	5.28E-01	no
Ttc39d	0.00	0.04	1.79769e+	5.28E-01	no
Ubqln3	0.00	0.03	1.79769e+	5.28E-01	no
Unc45b	0.00	0.02	1.79769e+	5.28E-01	no
Usp-ps	0.00	0.01	1.79769e+	5.28E-01	no
Vmn2r26	0.00	0.03	1.79769e+	5.28E-01	no
Vstm2l	0.00	0.06	1.79769e+	5.28E-01	no
Ypel4	0.00	0.10	1.79769e+	5.28E-01	no
Zfp366	0.00	0.03	1.79769e+	5.28E-01	no
Nr1h5	0.09	0.00	-1.79769e-	5.28E-01	no
1700022I11Rik	0.03	0.00	-1.79769e-	5.28E-01	no
1700027D21Ri	0.08	0.00	-1.79769e-	5.28E-01	no
3632451O06Ri	0.04	0.00	-1.79769e-	5.28E-01	no
Cyp17a1	0.06	0.00	-1.79769e-	5.28E-01	no
Epha7	0.02	0.00	-1.79769e-	5.28E-01	no
Gpr156	0.02	0.00	-1.79769e-	5.28E-01	no
Gtsf1	0.16	0.00	-1.79769e-	5.28E-01	no
Hist1h2an	0.27	0.00	-1.79769e-	5.28E-01	no
Il11	0.06	0.00	-1.79769e-	5.28E-01	no
Lrfn3	0.04	0.00	-1.79769e-	5.28E-01	no
Meig1	0.17	0.00	-1.79769e-	5.28E-01	no
Myoz3	0.03	0.00	-1.79769e-	5.28E-01	no
Prss27	0.09	0.00	-1.79769e-	5.28E-01	no
Usp43	0.02	0.00	-1.79769e-	5.28E-01	no
Vwa3a	0.02	0.00	-1.79769e-	5.28E-01	no

Zfp791	0.05	0.00	-1.79769e	5.28E-01	no
1700018A14Ri	0.10	0.00	-1.79769e	5.28E-01	no
Smok2a	0.05	0.00	-1.79769e	5.28E-01	no
Timp3	0.02	0.00	-1.79769e	5.28E-01	no
Trpc5	0.02	0.00	-1.79769e	5.28E-01	no
Pdxk-ps	0.02	0.23	3.62	5.28E-01	no
Tmem53	0.09	0.54	2.63	5.28E-01	no
Pcdh11x	0.02	0.14	2.59	5.28E-01	no
Syng3	0.03	0.20	2.54	5.28E-01	no
Alpk2	0.01	0.07	2.18	5.28E-01	no
Loxl2	0.02	0.10	2.16	5.28E-01	no
Slc18a1	0.04	0.18	2.16	5.28E-01	no
Rasl11a	0.14	0.46	1.71	5.28E-01	no
Cd59b	0.27	0.85	1.64	5.28E-01	no
Il1r2	0.15	0.45	1.56	5.28E-01	no
Ddn	0.06	0.16	1.52	5.28E-01	no
Gp5	0.11	0.29	1.42	5.28E-01	no
Insrr	0.06	0.14	1.29	5.28E-01	no
Hs3st1	0.21	0.51	1.26	5.28E-01	no
2900041M22R	0.28	0.64	1.18	5.28E-01	no
Tmem221	0.28	0.61	1.12	5.28E-01	no
2210010C17Ri	0.31	0.60	0.94	5.28E-01	no
Slc27a6	0.31	0.59	0.94	5.28E-01	no
Plscr4	0.28	0.54	0.93	5.28E-01	no
Catsperg1	0.39	0.69	0.82	5.28E-01	no
Amica1	0.53	0.93	0.81	5.28E-01	no
Ahr	0.41	0.70	0.77	5.28E-01	no
Clic3	1.82	3.06	0.75	5.28E-01	no
Slc22a23	0.29	0.47	0.73	5.28E-01	no
Atp11a	0.33	0.55	0.71	5.28E-01	no
Fam164a	1.35	2.06	0.61	5.28E-01	no
Cabp4	3.14	4.78	0.60	5.28E-01	no
Klhdc1	2.38	3.60	0.60	5.28E-01	no
Atg10	2.92	4.42	0.60	5.28E-01	no
B3galt4	3.24	4.85	0.58	5.28E-01	no
Ttc30b	1.93	2.89	0.58	5.28E-01	no
Letm2	2.58	3.84	0.58	5.28E-01	no
Lonrf1	1.45	2.15	0.57	5.28E-01	no
Xlr4a	5.64	8.27	0.55	5.28E-01	no
Clstn1	1.96	2.87	0.55	5.28E-01	no
4833442J19Ri	5.42	7.91	0.55	5.28E-01	no
1700052K11Ri	2.74	3.99	0.54	5.28E-01	no

Rab32	4.44	6.40	0.53	5.28E-01	no
A2ld1	7.45	10.70	0.52	5.28E-01	no
Ikbip	3.32	4.71	0.50	5.28E-01	no
Nudt14	11.36	16.07	0.50	5.28E-01	no
1110012D08Ri	4.24	5.98	0.50	5.28E-01	no
Haghl	7.52	10.58	0.49	5.28E-01	no
Acot13	15.05	21.01	0.48	5.28E-01	no
Dnmbp	2.33	3.23	0.47	5.28E-01	no
Art4	6.50	8.93	0.46	5.28E-01	no
4930581F22Ri	5.72	7.84	0.46	5.28E-01	no
Relt	4.88	6.66	0.45	5.28E-01	no
Slc39a11	5.15	7.01	0.45	5.28E-01	no
Yipf2	7.61	10.30	0.44	5.28E-01	no
Mtm1	5.37	7.26	0.43	5.28E-01	no
Slc39a3	5.01	6.72	0.42	5.28E-01	no
Zxdb	4.05	5.38	0.41	5.28E-01	no
Dnajc16	5.42	7.18	0.41	5.28E-01	no
Mospd1	15.72	20.67	0.39	5.28E-01	no
Tm7sf3	8.16	10.66	0.39	5.28E-01	no
Gabarapl1	14.57	18.99	0.38	5.28E-01	no
Zfp932	15.40	20.00	0.38	5.28E-01	no
Tspyl2	11.72	15.00	0.36	5.28E-01	no
Msh5	10.34	13.17	0.35	5.28E-01	no
9030624J02Ril	12.95	16.24	0.33	5.28E-01	no
Prcp	17.17	21.53	0.33	5.28E-01	no
Dusp6	21.42	26.71	0.32	5.28E-01	no
Mafk	18.69	23.18	0.31	5.28E-01	no
Nub1	17.91	22.08	0.30	5.28E-01	no
5430417L22Ril	29.77	36.41	0.29	5.28E-01	no
Phf21a	8.06	9.84	0.29	5.28E-01	no
Xrcc6	66.11	80.28	0.28	5.28E-01	no
Ankrd12	15.28	18.54	0.28	5.28E-01	no
Ncor2	18.23	22.05	0.27	5.28E-01	no
Nr3c1	32.03	38.74	0.27	5.28E-01	no
Rnf14	26.72	31.71	0.25	5.28E-01	no
Os9	22.48	26.60	0.24	5.28E-01	no
Cnot1	60.17	52.24	-0.20	5.28E-01	no
Cdk12	24.09	20.68	-0.22	5.28E-01	no
Pwwp2a	24.37	20.42	-0.26	5.28E-01	no
Zfp871	34.81	28.84	-0.27	5.28E-01	no
Dock8	29.20	24.17	-0.27	5.28E-01	no
Pbrm1	41.07	33.99	-0.27	5.28E-01	no

Xpo6	37.48	31.00	-0.27	5.28E-01	no
Tnpo3	37.72	31.17	-0.27	5.28E-01	no
Hnrpd1	72.21	59.68	-0.28	5.28E-01	no
St6gal1	44.18	36.51	-0.28	5.28E-01	no
Prkar1a	69.48	57.41	-0.28	5.28E-01	no
Cggbp1	51.44	42.48	-0.28	5.28E-01	no
Tpm3	182.04	150.27	-0.28	5.28E-01	no
Stag1	31.55	26.04	-0.28	5.28E-01	no
2810407C02Ri	48.92	40.35	-0.28	5.28E-01	no
Stk38	44.15	36.41	-0.28	5.28E-01	no
Ttc7	27.57	22.72	-0.28	5.28E-01	no
Rcc2	104.14	85.81	-0.28	5.28E-01	no
Lrrc47	34.61	28.48	-0.28	5.28E-01	no
Usp5	36.40	29.94	-0.28	5.28E-01	no
Bdp1	12.91	10.60	-0.28	5.28E-01	no
Strap	49.54	40.64	-0.29	5.28E-01	no
Sf3a2	50.20	41.07	-0.29	5.28E-01	no
Usp10	28.88	23.59	-0.29	5.28E-01	no
Fli1	30.04	24.47	-0.30	5.28E-01	no
Pelp1	23.41	19.05	-0.30	5.28E-01	no
Dna2	20.93	17.00	-0.30	5.28E-01	no
Zfp322a	14.51	11.77	-0.30	5.28E-01	no
Eif4a3	52.77	42.76	-0.30	5.28E-01	no
Lmf2	25.74	20.82	-0.31	5.28E-01	no
Slc7a6	19.72	15.92	-0.31	5.28E-01	no
Psmc7	43.93	35.38	-0.31	5.28E-01	no
Dld	33.97	27.34	-0.31	5.28E-01	no
Ccdc41	23.11	18.58	-0.31	5.28E-01	no
Cspp1	15.26	12.27	-0.31	5.28E-01	no
Ccdc127	14.53	11.68	-0.31	5.28E-01	no
Cpsf3l	26.03	20.92	-0.32	5.28E-01	no
Ube2k	17.14	13.75	-0.32	5.28E-01	no
Rap1a	45.94	36.82	-0.32	5.28E-01	no
Ctsc	26.49	21.21	-0.32	5.28E-01	no
Map2k3	26.12	20.91	-0.32	5.28E-01	no
Cep135	11.17	8.94	-0.32	5.28E-01	no
Zfp326	21.38	17.09	-0.32	5.28E-01	no
Farsb	26.56	21.15	-0.33	5.28E-01	no
Psmc12	35.40	28.19	-0.33	5.28E-01	no
Rasa2	10.88	8.65	-0.33	5.28E-01	no
Mki67ip	29.47	23.42	-0.33	5.28E-01	no
Rnf7	50.93	40.42	-0.33	5.28E-01	no

Cul2	13.80	10.94	-0.34	5.28E-01	no
Pde5a	8.06	6.35	-0.34	5.28E-01	no
Apex1	37.19	29.19	-0.35	5.28E-01	no
Eif1ax	50.81	39.86	-0.35	5.28E-01	no
Sf3b5	53.49	41.86	-0.35	5.28E-01	no
Fbxo22	20.41	15.96	-0.35	5.28E-01	no
Asf1a	22.37	17.44	-0.36	5.28E-01	no
Rfx2	9.55	7.42	-0.36	5.28E-01	no
Zfp597	7.98	6.19	-0.37	5.28E-01	no
Pycr2	20.94	16.22	-0.37	5.28E-01	no
Timm17b	21.55	16.63	-0.37	5.28E-01	no
Phf10	22.00	16.96	-0.37	5.28E-01	no
Taf5	11.48	8.85	-0.38	5.28E-01	no
Cited2	18.74	14.43	-0.38	5.28E-01	no
BC003965	13.18	10.13	-0.38	5.28E-01	no
Gar1	24.60	18.86	-0.38	5.28E-01	no
Mrps18a	35.33	26.80	-0.40	5.28E-01	no
Pim2	13.94	10.49	-0.41	5.28E-01	no
Pttg1	27.09	20.33	-0.41	5.28E-01	no
Nlgn2	5.29	3.96	-0.42	5.28E-01	no
Clpb	5.75	4.30	-0.42	5.28E-01	no
Rnaseh2c	35.98	26.87	-0.42	5.28E-01	no
Nol12	11.49	8.57	-0.42	5.28E-01	no
Ift27	23.35	17.38	-0.43	5.28E-01	no
Pole3	29.73	21.86	-0.44	5.28E-01	no
Sertad3	12.13	8.65	-0.49	5.28E-01	no
Ap3m2	4.46	3.17	-0.50	5.28E-01	no
Dusp10	5.79	4.09	-0.50	5.28E-01	no
Gt(ROSA)26So	23.55	16.55	-0.51	5.28E-01	no
Snhg3	32.48	22.66	-0.52	5.28E-01	no
Mrpl55	14.61	10.16	-0.52	5.28E-01	no
Rps4y2	4.03	2.52	-0.68	5.28E-01	no
Dennd2c	0.66	0.40	-0.72	5.28E-01	no
Ptpn14	0.26	0.15	-0.77	5.28E-01	no
Guca1b	1.04	0.60	-0.80	5.28E-01	no
Ankrd22	1.01	0.54	-0.90	5.28E-01	no
Lipc	0.44	0.19	-1.17	5.28E-01	no
Crispld2	0.20	0.09	-1.21	5.28E-01	no
Nkain1	0.26	0.11	-1.24	5.28E-01	no
Selp	0.21	0.08	-1.37	5.28E-01	no
Mlxipl	0.18	0.07	-1.41	5.28E-01	no
Arsi	0.32	0.10	-1.66	5.28E-01	no

Hist2h4	1.53	0.48	-1.67	5.28E-01	no
Ear2	0.72	0.23	-1.68	5.28E-01	no
Cd276	0.15	0.03	-2.11	5.28E-01	no
Gypa	0.21	0.04	-2.34	5.28E-01	no
Rtn4rl2	0.45	0.06	-2.96	5.28E-01	no
Cpne9	0.21	0.03	-3.05	5.28E-01	no
Mapre3	0.11	0.31	1.41	5.28E-01	no
Dcun1d1	22.21	17.90	-0.31	5.29E-01	no
Xcr1	0.16	0.05	-1.55	5.29E-01	no
Apc2	0.05	0.11	0.97	5.29E-01	no
Jkamp	8.06	11.60	0.52	5.29E-01	no
Snap29	34.59	28.44	-0.28	5.29E-01	no
Ergic2	23.29	19.01	-0.29	5.29E-01	no
BC046331	12.76	10.06	-0.34	5.29E-01	no
Dhrs11	5.04	7.24	0.52	5.29E-01	no
1190002N15Ri	7.55	5.69	-0.41	5.29E-01	no
Atn1	14.13	11.41	-0.31	5.30E-01	no
Mycbpap	0.16	0.32	1.00	5.30E-01	no
Gadd45gip1	25.06	19.85	-0.34	5.30E-01	no
Slc25a17	30.94	24.46	-0.34	5.30E-01	no
Aldoc	1.14	1.85	0.70	5.30E-01	no
Chi3l1	0.25	0.54	1.09	5.30E-01	no
Krt7	0.26	0.07	-1.90	5.31E-01	no
Grinl1a	67.20	56.32	-0.25	5.31E-01	no
Rab3ip	9.28	6.96	-0.42	5.31E-01	no
Tgfb1	80.79	67.08	-0.27	5.31E-01	no
Fam125b	4.80	6.24	0.38	5.31E-01	no
Amac1	0.39	0.05	-2.95	5.31E-01	no
Stx4a	21.29	27.09	0.35	5.32E-01	no
Cct5	83.00	68.82	-0.27	5.32E-01	no
Ddx39	59.78	49.06	-0.28	5.32E-01	no
Cox10	10.75	8.25	-0.38	5.32E-01	no
Tle6	2.93	1.96	-0.58	5.32E-01	no
Lrrc20	5.06	3.61	-0.49	5.32E-01	no
Epn2	0.46	0.26	-0.81	5.32E-01	no
Pdia5	0.06	0.24	1.96	5.32E-01	no
Nop16	18.44	14.18	-0.38	5.32E-01	no
Ube2m	56.96	46.95	-0.28	5.33E-01	no
Ism1	0.12	0.03	-2.24	5.33E-01	no
Rbm17	38.79	31.32	-0.31	5.33E-01	no
Rbak	6.28	8.20	0.39	5.33E-01	no
E130112N10Ri	5.18	7.56	0.55	5.34E-01	no

Herc6	8.96	11.28	0.33	5.34E-01	no
Ston2	0.02	0.06	1.77	5.34E-01	no
Atg7	6.64	8.73	0.39	5.34E-01	no
Tmem9	14.21	18.53	0.38	5.34E-01	no
D430042O09R	5.51	6.94	0.33	5.34E-01	no
Cpsf7	58.17	49.98	-0.22	5.34E-01	no
Orc3	17.08	14.33	-0.25	5.34E-01	no
1110034A24Ri	10.01	7.62	-0.39	5.34E-01	no
Tmco7	4.74	3.53	-0.43	5.34E-01	no
Al467606	22.49	17.78	-0.34	5.35E-01	no
Ube2l3	41.84	34.39	-0.28	5.35E-01	no
Plxnd1	11.44	14.06	0.30	5.36E-01	no
Sbk1	59.72	72.06	0.27	5.36E-01	no
Uba1	89.44	74.95	-0.25	5.36E-01	no
Rab39	0.40	0.20	-0.97	5.36E-01	no
Mgmt	2.68	4.26	0.66	5.36E-01	no
5-Sep	0.10	0.25	1.30	5.36E-01	no
Pgap1	0.91	0.53	-0.77	5.36E-01	no
1810022C23Ri	1.31	2.14	0.71	5.36E-01	no
Dtymk	82.21	68.33	-0.27	5.36E-01	no
Lsm7	55.25	42.04	-0.39	5.36E-01	no
Klra17	0.06	0.34	2.53	5.36E-01	no
Tas1r1	0.06	0.21	1.87	5.36E-01	no
Trappc10	19.67	23.81	0.28	5.36E-01	no
Tcerg1	35.06	29.08	-0.27	5.36E-01	no
D5Ert579e	9.52	7.67	-0.31	5.36E-01	no
Pigf	9.24	6.28	-0.56	5.36E-01	no
Pitx2	0.00	0.06	1.79769e+	5.37E-01	no
H2-Q2	0.16	0.50	1.62	5.37E-01	no
1700028J19Ri	0.37	0.80	1.11	5.37E-01	no
Elk4	42.50	51.43	0.27	5.37E-01	no
Chaf1b	29.21	23.51	-0.31	5.37E-01	no
Psm6	42.03	33.57	-0.32	5.37E-01	no
Mrps22	19.59	14.67	-0.42	5.37E-01	no
Myh7b	0.32	0.19	-0.74	5.37E-01	no
Tmem14a	0.50	1.06	1.08	5.37E-01	no
Atp9a	0.32	0.57	0.81	5.37E-01	no
Gal3st1	0.09	0.00	-1.79769e-	5.38E-01	no
Aff1	42.80	37.00	-0.21	5.38E-01	no
Ccpg1	12.75	15.84	0.31	5.38E-01	no
Ide	38.81	32.25	-0.27	5.38E-01	no
Gm9855	28.28	23.06	-0.29	5.38E-01	no

Pdf	22.96	17.83	-0.36	5.38E-01	no
Ppp1r1b	0.33	0.12	-1.54	5.38E-01	no
Srm	39.31	31.54	-0.32	5.38E-01	no
Tctex1d2	4.20	6.52	0.64	5.38E-01	no
Gatsl2	3.36	2.42	-0.47	5.39E-01	no
Dmxl2	0.04	0.08	1.20	5.39E-01	no
2500003M10R	76.64	63.76	-0.27	5.39E-01	no
Gm14403	0.17	0.34	0.97	5.39E-01	no
Csda	60.82	51.33	-0.24	5.40E-01	no
BC021785	0.15	0.31	1.05	5.40E-01	no
Smad7	7.99	10.10	0.34	5.40E-01	no
Gdf9	0.45	0.20	-1.19	5.40E-01	no
Cops5	42.72	34.05	-0.33	5.40E-01	no
Rnf4	48.43	40.11	-0.27	5.40E-01	no
Fgr	0.84	1.32	0.65	5.40E-01	no
Ankmy2	10.23	13.28	0.38	5.40E-01	no
Pde9a	2.64	3.92	0.57	5.40E-01	no
Creld1	4.09	5.77	0.50	5.40E-01	no
Pax5	75.72	62.34	-0.28	5.40E-01	no
Ndufb8	49.04	38.00	-0.37	5.40E-01	no
Rnf150	0.17	0.10	-0.85	5.40E-01	no
Rya3	0.30	0.04	-2.91	5.40E-01	no
Rnaseh2b	27.53	21.56	-0.35	5.40E-01	no
4931406P16Ri	9.64	7.74	-0.32	5.40E-01	no
Kbtbd10	0.14	0.03	-2.27	5.41E-01	no
Ctnnd2	0.01	0.08	2.54	5.41E-01	no
Ppm1j	0.43	0.77	0.86	5.41E-01	no
Zfp62	33.01	27.52	-0.26	5.41E-01	no
Ppp1r1a	0.33	0.08	-2.05	5.41E-01	no
2310004N24Ri	21.27	28.01	0.40	5.41E-01	no
Eml4	28.36	24.14	-0.23	5.42E-01	no
Cep70	9.49	7.11	-0.42	5.42E-01	no
Gm9104	0.15	0.00	-1.79769e-	5.42E-01	no
Traf7	41.10	35.08	-0.23	5.42E-01	no
Xlr	0.83	1.52	0.88	5.43E-01	no
Spg7	22.36	18.04	-0.31	5.43E-01	no
Smcr7l	15.15	12.33	-0.30	5.43E-01	no
Trmt5	11.93	8.80	-0.44	5.43E-01	no
Sod1	106.21	86.43	-0.30	5.43E-01	no
Adipoq	0.28	0.06	-2.21	5.43E-01	no
Zfyve26	11.36	13.71	0.27	5.44E-01	no
Etv6	17.87	21.76	0.28	5.44E-01	no

Morc3	25.22	20.78	-0.28	5.44E-01	no
2810422O20Ri	7.23	5.03	-0.52	5.44E-01	no
Ints2	15.25	12.50	-0.29	5.44E-01	no
Slco5a1	1.73	1.21	-0.51	5.44E-01	no
Arcn1	63.16	52.62	-0.26	5.44E-01	no
Trafd1	20.37	24.78	0.28	5.44E-01	no
B4galt6	0.15	0.06	-1.31	5.44E-01	no
Kdm4b	12.24	15.00	0.29	5.44E-01	no
Slc4a8	0.28	0.18	-0.66	5.44E-01	no
Gm14326	0.47	0.75	0.68	5.45E-01	no
Nudt22	5.90	8.51	0.53	5.45E-01	no
Ermp1	16.16	13.21	-0.29	5.45E-01	no
Zc4h2	3.47	5.01	0.53	5.45E-01	no
Hivep1	12.18	14.73	0.27	5.45E-01	no
2310037I24Rik	59.30	49.13	-0.27	5.45E-01	no
Fam20c	0.17	0.02	-2.90	5.45E-01	no
Atg4c	3.55	4.95	0.48	5.46E-01	no
1110037F02Ri	25.21	20.97	-0.27	5.46E-01	no
Med21	25.59	18.86	-0.44	5.46E-01	no
1110032F04Ri	0.65	0.37	-0.82	5.46E-01	no
Oas1c	5.07	6.96	0.46	5.46E-01	no
Slc4a1	0.16	0.07	-1.18	5.46E-01	no
Podnl1	0.06	0.21	1.93	5.46E-01	no
Jph3	0.19	0.34	0.85	5.46E-01	no
Iqgap1	58.28	48.41	-0.27	5.46E-01	no
Fam136a	31.00	24.78	-0.32	5.46E-01	no
Ndufaf4	8.88	6.79	-0.39	5.46E-01	no
Chi3l3	2.97	4.42	0.57	5.46E-01	no
Gle1	22.67	18.49	-0.29	5.47E-01	no
Clec12a	2.28	3.44	0.59	5.47E-01	no
Aars	25.65	21.29	-0.27	5.47E-01	no
Rwdd2a	1.02	0.54	-0.91	5.47E-01	no
Npepps	22.89	27.76	0.28	5.47E-01	no
Fam100b	23.03	17.94	-0.36	5.47E-01	no
S1pr2	1.46	2.20	0.59	5.47E-01	no
Foxp1	50.48	44.37	-0.19	5.48E-01	no
Txlna	38.04	32.52	-0.23	5.48E-01	no
Chrna2	0.16	0.06	-1.38	5.48E-01	no
Ccdc86	10.93	8.54	-0.36	5.49E-01	no
Mdh2	70.21	57.88	-0.28	5.49E-01	no
Trim21	13.92	17.31	0.31	5.49E-01	no
Egr2	0.34	0.17	-0.99	5.49E-01	no

Insig1	13.14	16.69	0.34	5.49E-01	no
Tspan17	0.66	0.34	-0.96	5.49E-01	no
Rpl6	113.02	93.97	-0.27	5.49E-01	no
Usp20	3.43	4.61	0.43	5.51E-01	no
Gtf2f1	34.37	27.96	-0.30	5.51E-01	no
Rps15	319.19	266.19	-0.26	5.51E-01	no
Rps26	278.03	230.62	-0.27	5.51E-01	no
1700092M07R	2.28	1.08	-1.07	5.51E-01	no
C1qbp	59.50	48.58	-0.29	5.52E-01	no
Wdr48	24.60	20.27	-0.28	5.52E-01	no
1810048J11Ri	1.93	2.74	0.50	5.52E-01	no
Fancc	9.09	7.05	-0.37	5.52E-01	no
Mrps27	16.55	12.82	-0.37	5.52E-01	no
Scrn3	5.20	3.76	-0.47	5.52E-01	no
Cyb5b	38.71	32.22	-0.26	5.53E-01	no
Rap1gap2	0.36	0.22	-0.74	5.53E-01	no
9230114K14Ri	2.12	1.38	-0.62	5.53E-01	no
Fbxo18	13.93	17.22	0.31	5.53E-01	no
Stt3b	42.64	35.56	-0.26	5.54E-01	no
Fam49b	24.93	20.46	-0.29	5.54E-01	no
1110032A03Ri	3.27	4.76	0.54	5.54E-01	no
Hnrnpm	121.30	105.80	-0.20	5.54E-01	no
Srsf15	28.85	23.95	-0.27	5.54E-01	no
Mrpl21	14.95	10.87	-0.46	5.54E-01	no
Klra8	0.07	0.00	-1.79769e-	5.54E-01	no
C920009B18Ri	7.88	10.04	0.35	5.54E-01	no
Il12a	24.35	30.77	0.34	5.54E-01	no
Dido1	39.57	34.91	-0.18	5.54E-01	no
Scn4b	22.07	17.75	-0.31	5.54E-01	no
Cep192	24.18	20.19	-0.26	5.55E-01	no
Hhat	1.01	1.55	0.62	5.55E-01	no
Ppifos	4.49	6.35	0.50	5.55E-01	no
Cd247	33.06	28.02	-0.24	5.55E-01	no
Krr1	14.27	11.60	-0.30	5.55E-01	no
Nme1	48.04	38.90	-0.30	5.55E-01	no
Mamstr	0.15	0.03	-2.18	5.56E-01	no
2610528E23Ri	12.44	9.07	-0.46	5.56E-01	no
Pih1d2	0.96	0.53	-0.86	5.56E-01	no
BY080835	0.77	0.39	-1.00	5.57E-01	no
1500011B03Ri	7.93	10.77	0.44	5.57E-01	no
Btk	43.45	52.28	0.27	5.58E-01	no
Ccdc77	12.07	9.26	-0.38	5.59E-01	no

2810055G20Ri	0.14	0.32	1.16	5.59E-01	no
Snrnp40	38.41	31.23	-0.30	5.59E-01	no
Abcd3	11.23	8.75	-0.36	5.60E-01	no
Coil	11.51	8.91	-0.37	5.60E-01	no
Rfxank	9.72	12.13	0.32	5.60E-01	no
Il11ra1	1.18	1.98	0.75	5.61E-01	no
Sap18	15.75	12.62	-0.32	5.61E-01	no
Snrpf	44.75	34.77	-0.36	5.61E-01	no
Phb2	68.72	56.94	-0.27	5.62E-01	no
Rnf169	21.09	25.37	0.27	5.62E-01	no
Mphosph8	18.50	14.90	-0.31	5.62E-01	no
Vps45	9.75	7.44	-0.39	5.62E-01	no
Icam1	8.10	10.54	0.38	5.62E-01	no
Rhov	0.17	0.40	1.20	5.62E-01	no
Snrpa1	32.08	25.43	-0.34	5.63E-01	no
4930539E08Ri	1.13	0.75	-0.59	5.63E-01	no
Cdkl1	0.30	0.02	-3.92	5.63E-01	no
Gm10789	0.50	0.30	-0.72	5.63E-01	no
Bpil1	0.29	0.04	-2.84	5.63E-01	no
2810004N23Ri	19.39	14.94	-0.38	5.63E-01	no
Cyp4f15	0.00	0.04	1.79769e+	5.63E-01	no
Cacnb3	0.00	0.05	1.79769e+	5.63E-01	no
Gpr68	0.00	0.05	1.79769e+	5.63E-01	no
Atp1a4	0.00	0.03	1.79769e+	5.63E-01	no
Clec4n	0.00	0.10	1.79769e+	5.63E-01	no
Coro6	0.08	0.00	-1.79769e-	5.63E-01	no
Klrc3	0.16	0.00	-1.79769e-	5.63E-01	no
Ugt3a1	0.05	0.00	-1.79769e-	5.63E-01	no
1700011L22Ri	0.07	0.00	-1.79769e-	5.63E-01	no
1700024P16Ri	0.02	0.00	-1.79769e-	5.63E-01	no
1700093K21Ri	0.07	0.00	-1.79769e-	5.63E-01	no
2610034M16R	0.02	0.00	-1.79769e-	5.63E-01	no
4930434E21Ri	0.03	0.00	-1.79769e-	5.63E-01	no
4932425I24Ri	0.02	0.00	-1.79769e-	5.63E-01	no
A330021E22Ri	0.02	0.00	-1.79769e-	5.63E-01	no
A730037C10Ri	0.03	0.00	-1.79769e-	5.63E-01	no
A930003O13R	0.04	0.00	-1.79769e-	5.63E-01	no
Al646023	0.01	0.00	-1.79769e-	5.63E-01	no
Aard	0.05	0.00	-1.79769e-	5.63E-01	no
Acpt	0.05	0.00	-1.79769e-	5.63E-01	no
Acsm4	0.03	0.00	-1.79769e-	5.63E-01	no
Adamts5	0.01	0.00	-1.79769e-	5.63E-01	no

Agxt2	0.04	0.00	-1.79769e	5.63E-01	no
Aifm3	0.03	0.00	-1.79769e	5.63E-01	no
Alox8	0.02	0.00	-1.79769e	5.63E-01	no
Apoh	0.06	0.00	-1.79769e	5.63E-01	no
Atp8b1	0.01	0.00	-1.79769e	5.63E-01	no
BC030476	0.03	0.00	-1.79769e	5.63E-01	no
BC049635	0.04	0.00	-1.79769e	5.63E-01	no
Bgn	0.03	0.00	-1.79769e	5.63E-01	no
Bpil3	0.04	0.00	-1.79769e	5.63E-01	no
C1ql4	0.10	0.00	-1.79769e	5.63E-01	no
Cabp5	0.04	0.00	-1.79769e	5.63E-01	no
Cartpt	0.08	0.00	-1.79769e	5.63E-01	no
Ccdc110	0.03	0.00	-1.79769e	5.63E-01	no
Ccdc85a	0.02	0.00	-1.79769e	5.63E-01	no
Ccl17	0.14	0.00	-1.79769e	5.63E-01	no
Ceacam18	0.04	0.00	-1.79769e	5.63E-01	no
Cel	0.03	0.00	-1.79769e	5.63E-01	no
Cntn4	0.01	0.00	-1.79769e	5.63E-01	no
Cpne7	0.03	0.00	-1.79769e	5.63E-01	no
Cryba4	0.09	0.00	-1.79769e	5.63E-01	no
Crym	0.06	0.00	-1.79769e	5.63E-01	no
Cyp2a12	0.04	0.00	-1.79769e	5.63E-01	no
D3Bwg0562e	0.01	0.00	-1.79769e	5.63E-01	no
Ddah1	0.02	0.00	-1.79769e	5.63E-01	no
Dmrtb1	0.04	0.00	-1.79769e	5.63E-01	no
F13b	0.03	0.00	-1.79769e	5.63E-01	no
F2	0.03	0.00	-1.79769e	5.63E-01	no
Fam110c	0.03	0.00	-1.79769e	5.63E-01	no
Fam181b	0.04	0.00	-1.79769e	5.63E-01	no
Fam81a	0.02	0.00	-1.79769e	5.63E-01	no
Fbln7	0.02	0.00	-1.79769e	5.63E-01	no
Fgf2	0.10	0.00	-1.79769e	5.63E-01	no
Fmo1	0.03	0.00	-1.79769e	5.63E-01	no
Foxd4	0.03	0.00	-1.79769e	5.63E-01	no
Gdf5	0.03	0.00	-1.79769e	5.63E-01	no
Glp2r	0.01	0.00	-1.79769e	5.63E-01	no
Gm10565	0.04	0.00	-1.79769e	5.63E-01	no
Gm11213	0.15	0.00	-1.79769e	5.63E-01	no
Gm766	0.05	0.00	-1.79769e	5.63E-01	no
Gpr83	0.03	0.00	-1.79769e	5.63E-01	no
Grem1	0.04	0.00	-1.79769e	5.63E-01	no
Gsta1	0.08	0.00	-1.79769e	5.63E-01	no

Gzmb	0.05	0.00	-1.79769e	5.63E-01	no
H2-T3	0.03	0.00	-1.79769e	5.63E-01	no
Hapln4	0.02	0.00	-1.79769e	5.63E-01	no
Hoxc4	0.03	0.00	-1.79769e	5.63E-01	no
Hrg	0.04	0.00	-1.79769e	5.63E-01	no
Hrh1	0.02	0.00	-1.79769e	5.63E-01	no
Htr1f	0.03	0.00	-1.79769e	5.63E-01	no
Htra1	0.03	0.00	-1.79769e	5.63E-01	no
Hunk	0.01	0.00	-1.79769e	5.63E-01	no
Igfbp6	0.05	0.00	-1.79769e	5.63E-01	no
Inhbb	0.02	0.00	-1.79769e	5.63E-01	no
Itih2	0.02	0.00	-1.79769e	5.63E-01	no
Kcnj1	0.02	0.00	-1.79769e	5.63E-01	no
Kcnq3	0.02	0.00	-1.79769e	5.63E-01	no
Kif27	0.02	0.00	-1.79769e	5.63E-01	no
Klhl34	0.04	0.00	-1.79769e	5.63E-01	no
Klk1b22	0.09	0.00	-1.79769e	5.63E-01	no
Lect1	0.05	0.00	-1.79769e	5.63E-01	no
Lrrtm1	0.03	0.00	-1.79769e	5.63E-01	no
Mmp12	0.02	0.00	-1.79769e	5.63E-01	no
Mpp3	0.02	0.00	-1.79769e	5.63E-01	no
Ndst4	0.02	0.00	-1.79769e	5.63E-01	no
Necab1	0.01	0.00	-1.79769e	5.63E-01	no
Nmur1	0.06	0.00	-1.79769e	5.63E-01	no
Nobox	0.04	0.00	-1.79769e	5.63E-01	no
Nrbp2	0.03	0.00	-1.79769e	5.63E-01	no
Nrg1	0.03	0.00	-1.79769e	5.63E-01	no
Oit3	0.03	0.00	-1.79769e	5.63E-01	no
Olfml1	0.03	0.00	-1.79769e	5.63E-01	no
Pde6a	0.02	0.00	-1.79769e	5.63E-01	no
Plac1	0.07	0.00	-1.79769e	5.63E-01	no
Pm20d1	0.02	0.00	-1.79769e	5.63E-01	no
Prdm14	0.03	0.00	-1.79769e	5.63E-01	no
Prdm8	0.02	0.00	-1.79769e	5.63E-01	no
Prss45	0.06	0.00	-1.79769e	5.63E-01	no
Pzca	0.08	0.00	-1.79769e	5.63E-01	no
Rdh18-ps	0.02	0.00	-1.79769e	5.63E-01	no
Retn	0.06	0.00	-1.79769e	5.63E-01	no
Rgag1	0.02	0.00	-1.79769e	5.63E-01	no
Rgl3	0.03	0.00	-1.79769e	5.63E-01	no
Rgs22	0.02	0.00	-1.79769e	5.63E-01	no
Satl1	0.03	0.00	-1.79769e	5.63E-01	no

Sfrp4	0.04	0.00	-1.79769e	5.63E-01	no
Sim1	0.01	0.00	-1.79769e	5.63E-01	no
Slc13a3	0.02	0.00	-1.79769e	5.63E-01	no
Slc13a4	0.02	0.00	-1.79769e	5.63E-01	no
Slc25a41	0.06	0.00	-1.79769e	5.63E-01	no
Slc26a3	0.03	0.00	-1.79769e	5.63E-01	no
Slc28a1	0.02	0.00	-1.79769e	5.63E-01	no
Slc44a5	0.02	0.00	-1.79769e	5.63E-01	no
Slc47a1	0.03	0.00	-1.79769e	5.63E-01	no
Spink2	0.12	0.00	-1.79769e	5.63E-01	no
T	0.03	0.00	-1.79769e	5.63E-01	no
Tff2	0.13	0.00	-1.79769e	5.63E-01	no
Tktl1	0.03	0.00	-1.79769e	5.63E-01	no
Tmem132d	0.02	0.00	-1.79769e	5.63E-01	no
Trap1a	0.06	0.00	-1.79769e	5.63E-01	no
Tril	0.01	0.00	-1.79769e	5.63E-01	no
Trim50	0.05	0.00	-1.79769e	5.63E-01	no
Tro	0.02	0.00	-1.79769e	5.63E-01	no
Vat1l	0.02	0.00	-1.79769e	5.63E-01	no
Vmn1r233	0.07	0.00	-1.79769e	5.63E-01	no
Vmn1r42	0.07	0.00	-1.79769e	5.63E-01	no
Vwa5b1	0.02	0.00	-1.79769e	5.63E-01	no
Vwc2	0.02	0.00	-1.79769e	5.63E-01	no
Wee2	0.02	0.00	-1.79769e	5.63E-01	no
Wfdc10	0.16	0.00	-1.79769e	5.63E-01	no
Zfp532	0.01	0.00	-1.79769e	5.63E-01	no
1700003E16Ri	0.04	0.00	-1.79769e	5.63E-01	no
1700029H14Ri	0.05	0.00	-1.79769e	5.63E-01	no
1700128F08Ri	0.09	0.00	-1.79769e	5.63E-01	no
1810041L15Ri	0.02	0.00	-1.79769e	5.63E-01	no
2200002J24Ri	0.13	0.00	-1.79769e	5.63E-01	no
4833403I15Ri	0.03	0.00	-1.79769e	5.63E-01	no
4930412F15Ri	0.05	0.00	-1.79769e	5.63E-01	no
4930563D23Ri	0.03	0.00	-1.79769e	5.63E-01	no
4930583K01Ri	0.11	0.00	-1.79769e	5.63E-01	no
A930017M01F	0.03	0.00	-1.79769e	5.63E-01	no
A930038C07Ri	0.02	0.00	-1.79769e	5.63E-01	no
Abcb11	0.02	0.00	-1.79769e	5.63E-01	no
Abcc6	0.02	0.00	-1.79769e	5.63E-01	no
Acnat1	0.02	0.00	-1.79769e	5.63E-01	no
Actl9	0.06	0.00	-1.79769e	5.63E-01	no
Ambp	0.06	0.00	-1.79769e	5.63E-01	no

Ankar	0.02	0.00	-1.79769e	5.63E-01	no
Ankrd34b	0.02	0.00	-1.79769e	5.63E-01	no
Ano4	0.02	0.00	-1.79769e	5.63E-01	no
Ano5	0.02	0.00	-1.79769e	5.63E-01	no
Aox1	0.02	0.00	-1.79769e	5.63E-01	no
Aox4	0.02	0.00	-1.79769e	5.63E-01	no
Aplnr	0.03	0.00	-1.79769e	5.63E-01	no
Apol11b	0.04	0.00	-1.79769e	5.63E-01	no
Artn	0.04	0.00	-1.79769e	5.63E-01	no
Asb17	0.09	0.00	-1.79769e	5.63E-01	no
Asb5	0.07	0.00	-1.79769e	5.63E-01	no
Ascl3	0.11	0.00	-1.79769e	5.63E-01	no
Ascl4	0.07	0.00	-1.79769e	5.63E-01	no
Astn1	0.01	0.00	-1.79769e	5.63E-01	no
Atp6v0d2	0.05	0.00	-1.79769e	5.63E-01	no
Avpr1a	0.04	0.00	-1.79769e	5.63E-01	no
BC055111	0.04	0.00	-1.79769e	5.63E-01	no
Bpi	0.05	0.00	-1.79769e	5.63E-01	no
C130060K24Ri	0.04	0.00	-1.79769e	5.63E-01	no
Ccr6	0.06	0.00	-1.79769e	5.63E-01	no
Cdhr5	0.03	0.00	-1.79769e	5.63E-01	no
Cdk5r2	0.03	0.00	-1.79769e	5.63E-01	no
Cftr	0.02	0.00	-1.79769e	5.63E-01	no
Chl1	0.01	0.00	-1.79769e	5.63E-01	no
Cldn2	0.03	0.00	-1.79769e	5.63E-01	no
Clec2e	0.05	0.00	-1.79769e	5.63E-01	no
Cngb3	0.02	0.00	-1.79769e	5.63E-01	no
Cobl	0.01	0.00	-1.79769e	5.63E-01	no
Col16a1	0.01	0.00	-1.79769e	5.63E-01	no
Col6a2	0.02	0.00	-1.79769e	5.63E-01	no
Creb3l1	0.03	0.00	-1.79769e	5.63E-01	no
Crybb1	0.09	0.00	-1.79769e	5.63E-01	no
Csmd1	0.01	0.00	-1.79769e	5.63E-01	no
Dkk4	0.06	0.00	-1.79769e	5.63E-01	no
Dpysl5	0.02	0.00	-1.79769e	5.63E-01	no
Dthd1	0.04	0.00	-1.79769e	5.63E-01	no
Duox1	0.02	0.00	-1.79769e	5.63E-01	no
Ecscr	0.07	0.00	-1.79769e	5.63E-01	no
Entpd3	0.03	0.00	-1.79769e	5.63E-01	no
Ephx3	0.04	0.00	-1.79769e	5.63E-01	no
Esrrg	0.02	0.00	-1.79769e	5.63E-01	no
Evx1	0.03	0.00	-1.79769e	5.63E-01	no

F730043M19R	0.06	0.00	-1.79769e	5.63E-01	no
Fam124b	0.03	0.00	-1.79769e	5.63E-01	no
Fam135b	0.02	0.00	-1.79769e	5.63E-01	no
Fam57b	0.05	0.00	-1.79769e	5.63E-01	no
Fam71e2	0.03	0.00	-1.79769e	5.63E-01	no
Fcrls	0.04	0.00	-1.79769e	5.63E-01	no
Fgf17	0.04	0.00	-1.79769e	5.63E-01	no
Foxa3	0.04	0.00	-1.79769e	5.63E-01	no
Foxc2	0.03	0.00	-1.79769e	5.63E-01	no
Fut2	0.03	0.00	-1.79769e	5.63E-01	no
Gcgr	0.05	0.00	-1.79769e	5.63E-01	no
Gja8	0.06	0.00	-1.79769e	5.63E-01	no
Gjb5	0.05	0.00	-1.79769e	5.63E-01	no
Glb1l2	0.03	0.00	-1.79769e	5.63E-01	no
Gm11961	0.11	0.00	-1.79769e	5.63E-01	no
Gm13939	0.08	0.00	-1.79769e	5.63E-01	no
Gm4566	0.17	0.00	-1.79769e	5.63E-01	no
Gm5544	0.11	0.00	-1.79769e	5.63E-01	no
Gm6880	0.11	0.00	-1.79769e	5.63E-01	no
Gm8579	0.12	0.00	-1.79769e	5.63E-01	no
Gm9999	0.16	0.00	-1.79769e	5.63E-01	no
Gnai1	0.03	0.00	-1.79769e	5.63E-01	no
Gpc3	0.04	0.00	-1.79769e	5.63E-01	no
Gpr50	0.05	0.00	-1.79769e	5.63E-01	no
Gramd2	0.06	0.00	-1.79769e	5.63E-01	no
H1foo	0.06	0.00	-1.79769e	5.63E-01	no
H2-M10.6	0.06	0.00	-1.79769e	5.63E-01	no
Hey2	0.04	0.00	-1.79769e	5.63E-01	no
Hfe2	0.04	0.00	-1.79769e	5.63E-01	no
Hhla1	0.04	0.00	-1.79769e	5.63E-01	no
Hoxb1	0.04	0.00	-1.79769e	5.63E-01	no
Hoxc6	0.05	0.00	-1.79769e	5.63E-01	no
Hrc	0.03	0.00	-1.79769e	5.63E-01	no
Hspb1	0.08	0.00	-1.79769e	5.63E-01	no
Igfbp3	0.04	0.00	-1.79769e	5.63E-01	no
Kcnk16	0.10	0.00	-1.79769e	5.63E-01	no
Kcns3	0.03	0.00	-1.79769e	5.63E-01	no
Kif6	0.02	0.00	-1.79769e	5.63E-01	no
Kiss1	0.16	0.00	-1.79769e	5.63E-01	no
Klk5	0.06	0.00	-1.79769e	5.63E-01	no
Lad1	0.02	0.00	-1.79769e	5.63E-01	no
Ldhc	0.08	0.00	-1.79769e	5.63E-01	no

Lonrf2	0.02	0.00	-1.79769e	5.63E-01	no
Lphn3	0.02	0.00	-1.79769e	5.63E-01	no
Lrrc38	0.04	0.00	-1.79769e	5.63E-01	no
Lrrc4c	0.03	0.00	-1.79769e	5.63E-01	no
Lrrc52	0.08	0.00	-1.79769e	5.63E-01	no
Mcf2	0.03	0.00	-1.79769e	5.63E-01	no
Mmp16	0.02	0.00	-1.79769e	5.63E-01	no
Mmp3	0.05	0.00	-1.79769e	5.63E-01	no
Mog	0.05	0.00	-1.79769e	5.63E-01	no
Mogat1	0.08	0.00	-1.79769e	5.63E-01	no
Mpp2	0.02	0.00	-1.79769e	5.63E-01	no
Msgn1	0.13	0.00	-1.79769e	5.63E-01	no
Naa11	0.03	0.00	-1.79769e	5.63E-01	no
Neil2	0.04	0.00	-1.79769e	5.63E-01	no
Nek10	0.03	0.00	-1.79769e	5.63E-01	no
Nipal4	0.03	0.00	-1.79769e	5.63E-01	no
Ntf5	0.04	0.00	-1.79769e	5.63E-01	no
Ntrk2	0.01	0.00	-1.79769e	5.63E-01	no
Nxph2	0.05	0.00	-1.79769e	5.63E-01	no
Osbpl10	0.04	0.00	-1.79769e	5.63E-01	no
Otog	0.01	0.00	-1.79769e	5.63E-01	no
Parm1	0.04	0.00	-1.79769e	5.63E-01	no
Peg3	0.01	0.00	-1.79769e	5.63E-01	no
Penk	0.06	0.00	-1.79769e	5.63E-01	no
Pf4	0.15	0.00	-1.79769e	5.63E-01	no
Pla2g4d	0.03	0.00	-1.79769e	5.63E-01	no
Plscr5	0.08	0.00	-1.79769e	5.63E-01	no
Plxna4	0.01	0.00	-1.79769e	5.63E-01	no
Ppef1	0.04	0.00	-1.79769e	5.63E-01	no
Prb1	0.04	0.00	-1.79769e	5.63E-01	no
Prkg2	0.02	0.00	-1.79769e	5.63E-01	no
Prss52	0.09	0.00	-1.79769e	5.63E-01	no
Ptch2	0.02	0.00	-1.79769e	5.63E-01	no
Ptgds	0.10	0.00	-1.79769e	5.63E-01	no
Rab15	0.03	0.00	-1.79769e	5.63E-01	no
Rab40b	0.05	0.00	-1.79769e	5.63E-01	no
Rasgef1c	0.03	0.00	-1.79769e	5.63E-01	no
Rbp3	0.02	0.00	-1.79769e	5.63E-01	no
Rgr	0.06	0.00	-1.79769e	5.63E-01	no
Rln1	0.11	0.00	-1.79769e	5.63E-01	no
Rnu12	0.83	0.00	-1.79769e	5.63E-01	no
Rsph4a	0.03	0.00	-1.79769e	5.63E-01	no

S100a16	0.08	0.00	-1.79769e	5.63E-01	no
S100a3	0.12	0.00	-1.79769e	5.63E-01	no
Scel	0.03	0.00	-1.79769e	5.63E-01	no
Sdpr	0.03	0.00	-1.79769e	5.63E-01	no
Shisa3	0.04	0.00	-1.79769e	5.63E-01	no
Shisa4	0.07	0.00	-1.79769e	5.63E-01	no
Six2	0.04	0.00	-1.79769e	5.63E-01	no
Slc17a6	0.03	0.00	-1.79769e	5.63E-01	no
Slc28a3	0.02	0.00	-1.79769e	5.63E-01	no
Slc30a3	0.04	0.00	-1.79769e	5.63E-01	no
Slc34a3	0.05	0.00	-1.79769e	5.63E-01	no
Slc4a9	0.03	0.00	-1.79769e	5.63E-01	no
Slc5a8	0.02	0.00	-1.79769e	5.63E-01	no
Slc8a2	0.02	0.00	-1.79769e	5.63E-01	no
Slit3	0.02	0.00	-1.79769e	5.63E-01	no
Snhg11	0.02	0.00	-1.79769e	5.63E-01	no
Sobp	0.02	0.00	-1.79769e	5.63E-01	no
Sohlh1	0.06	0.00	-1.79769e	5.63E-01	no
Spata4	0.10	0.00	-1.79769e	5.63E-01	no
Spep	0.06	0.00	-1.79769e	5.63E-01	no
Sstr3	0.02	0.00	-1.79769e	5.63E-01	no
Steap1	0.08	0.00	-1.79769e	5.63E-01	no
Stmn4	0.06	0.00	-1.79769e	5.63E-01	no
Sult4a1	0.03	0.00	-1.79769e	5.63E-01	no
Sycp1-ps1	0.04	0.00	-1.79769e	5.63E-01	no
Syt12	0.02	0.00	-1.79769e	5.63E-01	no
Syt2	0.03	0.00	-1.79769e	5.63E-01	no
Tcf23	0.02	0.00	-1.79769e	5.63E-01	no
Tekt4	0.05	0.00	-1.79769e	5.63E-01	no
Tff3	0.19	0.00	-1.79769e	5.63E-01	no
Tgm3	0.02	0.00	-1.79769e	5.63E-01	no
Tmem151a	0.02	0.00	-1.79769e	5.63E-01	no
Tnfsf15	0.02	0.00	-1.79769e	5.63E-01	no
Tnfsf18	0.06	0.00	-1.79769e	5.63E-01	no
Trim38	0.06	0.00	-1.79769e	5.63E-01	no
Trim75	0.04	0.00	-1.79769e	5.63E-01	no
Trpc4	0.03	0.00	-1.79769e	5.63E-01	no
Trpv1	0.03	0.00	-1.79769e	5.63E-01	no
Tsga13	0.09	0.00	-1.79769e	5.63E-01	no
Ttll10	0.03	0.00	-1.79769e	5.63E-01	no
Tuba3b	0.05	0.00	-1.79769e	5.63E-01	no
Ube2ql1	0.03	0.00	-1.79769e	5.63E-01	no

Uncx	0.03	0.00	-1.79769e	5.63E-01	no
Vax2	0.06	0.00	-1.79769e	5.63E-01	no
Vgll3	0.03	0.00	-1.79769e	5.63E-01	no
Vmn2r15	0.05	0.00	-1.79769e	5.63E-01	no
Vmn2r65	0.05	0.00	-1.79769e	5.63E-01	no
Wdr93	0.04	0.00	-1.79769e	5.63E-01	no
Zfp389	0.10	0.00	-1.79769e	5.63E-01	no
Zg16	0.14	0.00	-1.79769e	5.63E-01	no
Zyg11a	0.04	0.00	-1.79769e	5.63E-01	no
1700001C19Ri	0.09	1.79	4.26	5.63E-01	no
Trem3	0.08	0.54	2.77	5.63E-01	no
Fpr2	0.08	0.48	2.66	5.63E-01	no
Chrna10	0.03	0.17	2.37	5.63E-01	no
Pgpep1l	0.12	0.44	1.86	5.63E-01	no
Tmprss7	0.07	0.23	1.79	5.63E-01	no
Tmem146	0.06	0.22	1.75	5.63E-01	no
Kcnj11	0.05	0.17	1.65	5.63E-01	no
4930431A04Ri	0.25	0.80	1.65	5.63E-01	no
Fam110b	0.08	0.24	1.58	5.63E-01	no
Klhl4	0.08	0.23	1.58	5.63E-01	no
Erv3	0.07	0.21	1.58	5.63E-01	no
4930544O15Ri	0.25	0.69	1.48	5.63E-01	no
Peli3	0.11	0.29	1.33	5.63E-01	no
Epm2a	0.24	0.58	1.28	5.63E-01	no
Myo15	0.03	0.07	1.28	5.63E-01	no
Gpr160	0.32	0.74	1.22	5.63E-01	no
9530009M10R	0.11	0.26	1.20	5.63E-01	no
Gm5741	0.97	2.23	1.20	5.63E-01	no
Tnfrsf11a	0.06	0.14	1.16	5.63E-01	no
4930486L24Ri	0.26	0.59	1.15	5.63E-01	no
Pomc	0.38	0.79	1.06	5.63E-01	no
Zcchc18	2.35	4.75	1.02	5.63E-01	no
Vash1	0.08	0.15	0.96	5.63E-01	no
I830077J02Rik	0.67	1.26	0.90	5.63E-01	no
Pde7b	0.21	0.38	0.88	5.63E-01	no
D630032N06R	0.99	1.76	0.83	5.63E-01	no
Gpr35	0.21	0.36	0.80	5.63E-01	no
Rnf17	0.17	0.30	0.78	5.63E-01	no
Hbb-b1,Hbb-b	1.63	2.77	0.76	5.63E-01	no
Fcamr	0.63	1.07	0.76	5.63E-01	no
Dse	0.29	0.49	0.75	5.63E-01	no
AA415398	0.60	1.01	0.75	5.63E-01	no

Nradd	1.14	1.89	0.72	5.63E-01	no
Ccl6	1.06	1.73	0.70	5.63E-01	no
Mtap7d3	0.56	0.91	0.70	5.63E-01	no
Fam135a	0.32	0.52	0.70	5.63E-01	no
2010015L04Ril	0.53	0.84	0.67	5.63E-01	no
Nid2	0.35	0.55	0.66	5.63E-01	no
Prrg2	1.27	2.01	0.66	5.63E-01	no
Tmem144	1.07	1.65	0.63	5.63E-01	no
Ccdc64	1.08	1.67	0.63	5.63E-01	no
Spred3	0.73	1.12	0.62	5.63E-01	no
Ttpa	0.99	1.51	0.61	5.63E-01	no
Tnfrsf22	1.32	2.01	0.60	5.63E-01	no
Al429214	1.36	2.05	0.60	5.63E-01	no
1700020D05Ri	2.41	3.63	0.59	5.63E-01	no
Cdk20	1.56	2.35	0.59	5.63E-01	no
9230116N13Ri	1.43	2.15	0.59	5.63E-01	no
Zfp449	1.01	1.51	0.58	5.63E-01	no
Kctd12b	1.20	1.79	0.58	5.63E-01	no
Myl6b	3.41	5.08	0.58	5.63E-01	no
Bbs7	1.16	1.72	0.57	5.63E-01	no
Fcer1g	4.95	7.37	0.57	5.63E-01	no
Ppp1r3f	1.00	1.47	0.56	5.63E-01	no
Efha2	1.82	2.66	0.55	5.63E-01	no
8-Mar	1.21	1.74	0.53	5.63E-01	no
Lrp12	1.67	2.40	0.52	5.63E-01	no
Dhrs7	4.91	7.01	0.51	5.63E-01	no
Fbxw17	3.55	5.03	0.50	5.63E-01	no
Hemk1	3.50	4.92	0.49	5.63E-01	no
1110058L19Ril	11.01	15.46	0.49	5.63E-01	no
Zfp316	1.14	1.59	0.48	5.63E-01	no
Gm5134	3.48	4.87	0.48	5.63E-01	no
B230312A22Ri	2.85	3.97	0.48	5.63E-01	no
Zmat1	3.02	4.18	0.47	5.63E-01	no
Ccbl1	4.14	5.72	0.47	5.63E-01	no
Optn	3.33	4.59	0.47	5.63E-01	no
Aph1b	2.44	3.36	0.46	5.63E-01	no
Creb3l2	3.07	4.21	0.46	5.63E-01	no
Sfmbt2	1.30	1.78	0.45	5.63E-01	no
Llgl2	3.06	4.19	0.45	5.63E-01	no
1700094D03Ri	3.69	5.02	0.45	5.63E-01	no
Coq10a	4.54	6.16	0.44	5.63E-01	no
Cstb	21.44	28.91	0.43	5.63E-01	no

Gtdc1	6.12	8.21	0.42	5.63E-01	no
Lysmd4	3.64	4.87	0.42	5.63E-01	no
Tnip2	6.96	9.27	0.41	5.63E-01	no
Casp1	11.00	14.59	0.41	5.63E-01	no
Metap1d	13.19	17.32	0.39	5.63E-01	no
Dnahc1	1.25	1.64	0.39	5.63E-01	no
Lysmd1	7.66	10.05	0.39	5.63E-01	no
Tspyl4	4.67	6.11	0.39	5.63E-01	no
Soat1	4.69	6.13	0.39	5.63E-01	no
Irgm2	5.62	7.34	0.38	5.63E-01	no
Crat	4.22	5.50	0.38	5.63E-01	no
Rab40c	8.38	10.87	0.37	5.63E-01	no
Pgm1	9.18	11.89	0.37	5.63E-01	no
Dlg3	5.48	7.08	0.37	5.63E-01	no
Slc12a3	6.18	7.97	0.37	5.63E-01	no
Sh3bp1	11.06	14.20	0.36	5.63E-01	no
Il10rb	12.32	15.81	0.36	5.63E-01	no
Smpd1	11.29	14.40	0.35	5.63E-01	no
Ddb2	12.38	15.77	0.35	5.63E-01	no
Pramef8	6.91	8.80	0.35	5.63E-01	no
D230025D16R	10.76	13.69	0.35	5.63E-01	no
Atp7a	3.89	4.92	0.34	5.63E-01	no
BC031353	6.15	7.78	0.34	5.63E-01	no
Ankrd16	11.31	14.27	0.34	5.63E-01	no
Tigd2	11.90	14.98	0.33	5.63E-01	no
Invs	5.30	6.66	0.33	5.63E-01	no
Atp6v1e1	26.54	33.30	0.33	5.63E-01	no
Chm	7.62	9.55	0.33	5.63E-01	no
Dag1	6.94	8.68	0.32	5.63E-01	no
Qsox1	11.18	13.95	0.32	5.63E-01	no
Lrpap1	11.03	13.76	0.32	5.63E-01	no
Use1	37.76	47.08	0.32	5.63E-01	no
Fam73a	7.15	8.92	0.32	5.63E-01	no
Ncf2	17.93	22.07	0.30	5.63E-01	no
Arhgef3	14.28	17.57	0.30	5.63E-01	no
Mgrn1	13.78	16.94	0.30	5.63E-01	no
Stx6	19.08	23.38	0.29	5.63E-01	no
Zfp187	14.64	17.90	0.29	5.63E-01	no
Zfp319	11.05	13.50	0.29	5.63E-01	no
Fam123b	7.56	9.22	0.29	5.63E-01	no
Wdfy4	67.52	81.77	0.28	5.63E-01	no
Josd1	16.99	20.57	0.28	5.63E-01	no

Ugcg	22.35	27.04	0.27	5.63E-01	no
Mnt	13.41	16.19	0.27	5.63E-01	no
Sqstm1	40.40	48.60	0.27	5.63E-01	no
Nfrkb	16.49	19.81	0.26	5.63E-01	no
Ap1b1	24.18	29.01	0.26	5.63E-01	no
Rab3gap2	12.65	15.16	0.26	5.63E-01	no
Zfpm1	44.58	53.29	0.26	5.63E-01	no
Setd7	17.29	20.65	0.26	5.63E-01	no
Vps13d	11.23	13.39	0.25	5.63E-01	no
Clint1	46.33	55.10	0.25	5.63E-01	no
Stat5b	22.30	26.11	0.23	5.63E-01	no
Pag1	20.98	24.23	0.21	5.63E-01	no
Inpp5d	72.47	81.68	0.17	5.63E-01	no
Cd97	61.31	54.43	-0.17	5.63E-01	no
Ube2i	150.94	132.30	-0.19	5.63E-01	no
Cdc25b	100.26	87.83	-0.19	5.63E-01	no
Smek1	44.03	38.40	-0.20	5.63E-01	no
Clk1	81.95	71.41	-0.20	5.63E-01	no
Rnf38	43.61	37.82	-0.21	5.63E-01	no
Dyrk1a	36.98	31.96	-0.21	5.63E-01	no
Ptk2b	38.89	33.58	-0.21	5.63E-01	no
Atp2a2	52.83	45.60	-0.21	5.63E-01	no
Senp2	23.61	20.11	-0.23	5.63E-01	no
Lpgat1	28.45	24.12	-0.24	5.63E-01	no
Pphln1	24.56	20.80	-0.24	5.63E-01	no
Ipo9	29.34	24.76	-0.24	5.63E-01	no
Arl6ip1	116.36	98.09	-0.25	5.63E-01	no
Dhx9	70.78	59.64	-0.25	5.63E-01	no
Sympk	36.40	30.65	-0.25	5.63E-01	no
Rad23b	40.24	33.88	-0.25	5.63E-01	no
Cdc42	116.07	97.62	-0.25	5.63E-01	no
Bms1	27.77	23.35	-0.25	5.63E-01	no
Gtf3c2	37.51	31.53	-0.25	5.63E-01	no
Ltn1	21.74	18.26	-0.25	5.63E-01	no
Actn4	53.91	45.27	-0.25	5.63E-01	no
Rplp2	304.33	255.55	-0.25	5.63E-01	no
P4hb	59.08	49.58	-0.25	5.63E-01	no
Skil	13.41	11.24	-0.25	5.63E-01	no
Klhl6	95.43	80.01	-0.25	5.63E-01	no
Actr3	147.35	123.50	-0.25	5.63E-01	no
Nup214	20.39	17.09	-0.25	5.63E-01	no
Rhoa	175.90	147.26	-0.26	5.63E-01	no

Rap1b	61.29	51.29	-0.26	5.63E-01	no
Hyou1	31.82	26.63	-0.26	5.63E-01	no
Atrx	41.84	34.98	-0.26	5.63E-01	no
D15Ert621e	20.25	16.92	-0.26	5.63E-01	no
Hadha	30.29	25.30	-0.26	5.63E-01	no
Rpl37	158.79	132.52	-0.26	5.63E-01	no
Sart3	31.38	26.19	-0.26	5.63E-01	no
Raf1	35.46	29.59	-0.26	5.63E-01	no
Eif5b	18.88	15.75	-0.26	5.63E-01	no
Cd2bp2	35.04	29.22	-0.26	5.63E-01	no
Pebp1	89.06	74.20	-0.26	5.63E-01	no
Srgap2	13.12	10.92	-0.26	5.63E-01	no
Mfap3	18.86	15.70	-0.26	5.63E-01	no
Spop	37.76	31.42	-0.27	5.63E-01	no
Pigq	30.72	25.54	-0.27	5.63E-01	no
Pank2	25.08	20.84	-0.27	5.63E-01	no
Sap130	22.69	18.85	-0.27	5.63E-01	no
Ncoa5	26.80	22.24	-0.27	5.63E-01	no
Plekhf2	41.75	34.65	-0.27	5.63E-01	no
Spty2d1	15.72	13.05	-0.27	5.63E-01	no
Grif1	9.89	8.20	-0.27	5.63E-01	no
Brpf3	14.73	12.21	-0.27	5.63E-01	no
Ap1m1	46.63	38.64	-0.27	5.63E-01	no
Dync2h1	6.31	5.23	-0.27	5.63E-01	no
Afg3l1	15.45	12.76	-0.28	5.63E-01	no
Dnajb1	35.47	29.28	-0.28	5.63E-01	no
Uhrf1bp1l	12.94	10.68	-0.28	5.63E-01	no
Bzw2	40.87	33.74	-0.28	5.63E-01	no
Psm13	44.08	36.39	-0.28	5.63E-01	no
Mum1	18.87	15.56	-0.28	5.63E-01	no
Sh2b3	31.70	26.10	-0.28	5.63E-01	no
2700049A03Ri	11.16	9.18	-0.28	5.63E-01	no
Hmgxb4	18.91	15.52	-0.28	5.63E-01	no
Oat	36.10	29.63	-0.28	5.63E-01	no
Tsc22d2	7.82	6.41	-0.29	5.63E-01	no
Tecr	42.62	34.83	-0.29	5.63E-01	no
Ttll4	14.01	11.43	-0.29	5.63E-01	no
Cnot10	21.99	17.94	-0.29	5.63E-01	no
Atad3a	21.50	17.53	-0.29	5.63E-01	no
Rttm	8.10	6.60	-0.29	5.63E-01	no
Ruvbl2	34.88	28.44	-0.29	5.63E-01	no
Notch2	5.55	4.52	-0.30	5.63E-01	no

Ppid	35.74	29.11	-0.30	5.63E-01	no
Drg1	42.25	34.41	-0.30	5.63E-01	no
Paip2b	20.13	16.38	-0.30	5.63E-01	no
Pgrmc2	18.33	14.90	-0.30	5.63E-01	no
Ndufa10	39.62	32.19	-0.30	5.63E-01	no
Eif3g	45.38	36.84	-0.30	5.63E-01	no
Fam60a	24.39	19.80	-0.30	5.63E-01	no
Faf1	13.54	10.99	-0.30	5.63E-01	no
Tdp2	33.57	27.24	-0.30	5.63E-01	no
Taf1d	43.92	35.62	-0.30	5.63E-01	no
Mrps25	10.29	8.33	-0.30	5.63E-01	no
Emd	44.55	36.01	-0.31	5.63E-01	no
Fam96a	38.92	31.45	-0.31	5.63E-01	no
Prpsap2	21.78	17.60	-0.31	5.63E-01	no
Prkag1	32.55	26.30	-0.31	5.63E-01	no
Gpr107	12.28	9.88	-0.31	5.63E-01	no
Tpd52l2	19.76	15.87	-0.32	5.63E-01	no
Grpel1	13.54	10.87	-0.32	5.63E-01	no
Hccs	20.42	16.33	-0.32	5.63E-01	no
Donson	17.10	13.65	-0.33	5.63E-01	no
Ecsit	21.46	17.12	-0.33	5.63E-01	no
Denr	19.68	15.67	-0.33	5.63E-01	no
Rrp8	17.95	14.29	-0.33	5.63E-01	no
AK010878	20.48	16.29	-0.33	5.63E-01	no
Ankrd32	12.31	9.76	-0.33	5.63E-01	no
D2Wsu81e	19.42	15.40	-0.33	5.63E-01	no
Pdk3	20.44	16.18	-0.34	5.63E-01	no
Ndufa4	75.73	59.93	-0.34	5.63E-01	no
Acp5	23.40	18.52	-0.34	5.63E-01	no
Rpap3	15.18	11.98	-0.34	5.63E-01	no
Chst12	18.72	14.74	-0.35	5.63E-01	no
Tmem97	27.64	21.75	-0.35	5.63E-01	no
Atpaf2	18.84	14.80	-0.35	5.63E-01	no
Myg1	22.18	17.43	-0.35	5.63E-01	no
Dbr1	16.04	12.59	-0.35	5.63E-01	no
Tecpr2	3.99	3.13	-0.35	5.63E-01	no
Tank	14.50	11.36	-0.35	5.63E-01	no
Uchl1	24.99	19.55	-0.35	5.63E-01	no
Bahcc1	2.53	1.98	-0.35	5.63E-01	no
Vangl2	13.70	10.70	-0.36	5.63E-01	no
Wbscr16	12.76	9.95	-0.36	5.63E-01	no
Mrps14	17.52	13.62	-0.36	5.63E-01	no

Pcgf5	22.32	17.33	-0.37	5.63E-01	no
Pigh	13.13	10.18	-0.37	5.63E-01	no
1110038B12Ri	46.43	36.00	-0.37	5.63E-01	no
Ap4m1	16.28	12.61	-0.37	5.63E-01	no
Trim65	9.15	7.08	-0.37	5.63E-01	no
Hace1	8.29	6.42	-0.37	5.63E-01	no
D19Erttd737e	15.91	12.31	-0.37	5.63E-01	no
Rps18	42.34	32.51	-0.38	5.63E-01	no
1600002H07Ri	10.34	7.93	-0.38	5.63E-01	no
Rbmx2	11.15	8.47	-0.40	5.63E-01	no
Ccrn4l	6.94	5.27	-0.40	5.63E-01	no
Poli	7.09	5.38	-0.40	5.63E-01	no
Meaf6	21.78	16.48	-0.40	5.63E-01	no
Erf	5.47	4.13	-0.41	5.63E-01	no
Trappc1	28.88	21.81	-0.41	5.63E-01	no
Enpp6	6.82	5.14	-0.41	5.63E-01	no
Sit1	16.36	12.30	-0.41	5.63E-01	no
Gm5643	10.45	7.83	-0.42	5.63E-01	no
Mrps10	14.06	10.52	-0.42	5.63E-01	no
Lcorl	12.11	9.01	-0.43	5.63E-01	no
Rpp30	14.26	10.54	-0.44	5.63E-01	no
Hibch	9.34	6.90	-0.44	5.63E-01	no
Zfp341	4.15	3.06	-0.44	5.63E-01	no
Ftsj2	8.08	5.91	-0.45	5.63E-01	no
1110004E09Ri	11.54	8.43	-0.45	5.63E-01	no
Fv1	8.87	6.34	-0.48	5.63E-01	no
1810035L17Ril	29.54	21.04	-0.49	5.63E-01	no
Chpt1	4.61	3.27	-0.50	5.63E-01	no
2700023E23Ri	8.45	5.96	-0.50	5.63E-01	no
Fzd9	3.72	2.61	-0.51	5.63E-01	no
Zfp934	3.75	2.60	-0.53	5.63E-01	no
Tuba1a	4.48	3.10	-0.53	5.63E-01	no
A130022J15Ril	2.01	1.38	-0.54	5.63E-01	no
Tmem216	6.09	4.18	-0.54	5.63E-01	no
Hrsp12	7.08	4.84	-0.55	5.63E-01	no
1810046K07Ri	3.97	2.69	-0.56	5.63E-01	no
Rpl21	2.64	1.77	-0.58	5.63E-01	no
Flt3l	4.62	3.10	-0.58	5.63E-01	no
Sfxn5	1.09	0.73	-0.59	5.63E-01	no
Derl3	3.13	2.07	-0.59	5.63E-01	no
Grk4	1.40	0.91	-0.62	5.63E-01	no
Ranbp17	0.55	0.35	-0.65	5.63E-01	no

Pfkfb1	1.55	0.99	-0.65	5.63E-01	no
2310014L17Ril	0.66	0.41	-0.68	5.63E-01	no
Lmcd1	1.42	0.88	-0.69	5.63E-01	no
Trem1	1.21	0.74	-0.71	5.63E-01	no
Gpc1	0.42	0.25	-0.77	5.63E-01	no
P2ry1	0.44	0.25	-0.80	5.63E-01	no
Arl4d	1.02	0.57	-0.84	5.63E-01	no
Hba-a1,Hba-a2	3.13	1.75	-0.84	5.63E-01	no
Mllt4	0.15	0.08	-0.85	5.63E-01	no
Gm6787	0.94	0.52	-0.85	5.63E-01	no
Synpo2	0.15	0.08	-0.86	5.63E-01	no
4-Sep	0.59	0.33	-0.86	5.63E-01	no
4931417G12Ri	0.84	0.45	-0.89	5.63E-01	no
Fbp1	1.07	0.57	-0.91	5.63E-01	no
Naprt1	0.50	0.26	-0.93	5.63E-01	no
Ptprm	0.15	0.08	-0.97	5.63E-01	no
Cmklr1	0.32	0.16	-1.00	5.63E-01	no
Fcnb	0.63	0.29	-1.14	5.63E-01	no
Gpr110	0.20	0.09	-1.21	5.63E-01	no
Stxbp6	0.20	0.08	-1.23	5.63E-01	no
Tac4	0.47	0.19	-1.28	5.63E-01	no
Ccr11	0.25	0.09	-1.49	5.63E-01	no
Mpzl1	0.42	0.15	-1.52	5.63E-01	no
Nudt17	0.36	0.12	-1.55	5.63E-01	no
9130024F11Ri	0.14	0.04	-1.77	5.63E-01	no
Aox3l1	0.08	0.02	-1.93	5.63E-01	no
Ptprn	0.11	0.03	-1.99	5.63E-01	no
Htra4	0.15	0.03	-2.11	5.63E-01	no
Plin4	0.08	0.02	-2.26	5.63E-01	no
Cpa3	0.36	0.05	-2.75	5.63E-01	no
Add2	0.15	0.02	-2.81	5.63E-01	no
Hist3h2bb-ps	1.09	0.08	-3.85	5.63E-01	no
Tmem22	1.86	2.82	0.60	5.63E-01	no
Pla2g7	0.52	0.88	0.76	5.63E-01	no
4933424B01Ri	24.59	20.38	-0.27	5.63E-01	no
Gm70	0.34	0.12	-1.48	5.63E-01	no
Ube2j2	8.48	6.50	-0.38	5.63E-01	no
AI507597	0.47	0.95	1.02	5.63E-01	no
5730577I03Rik	1.27	1.92	0.59	5.63E-01	no
Eif3c	69.90	59.12	-0.24	5.63E-01	no
Gm6654	185.30	155.66	-0.25	5.63E-01	no
Psmg2	27.74	21.57	-0.36	5.63E-01	no

1500009L16Ril	1.96	3.04	0.63	5.63E-01	no
Coro2b	2.07	2.89	0.48	5.63E-01	no
Gcc1	7.95	9.85	0.31	5.63E-01	no
Gm88	0.69	0.38	-0.87	5.63E-01	no
Grsf1	28.29	23.75	-0.25	5.64E-01	no
Pccb	8.12	10.52	0.37	5.64E-01	no
Elmo3	1.73	2.45	0.50	5.64E-01	no
Ints3	21.32	17.97	-0.25	5.64E-01	no
Id1	1.02	0.55	-0.90	5.64E-01	no
Csnk2b	49.15	40.13	-0.29	5.64E-01	no
Eif3b	60.18	50.91	-0.24	5.65E-01	no
Dnajc28	1.69	2.41	0.51	5.65E-01	no
Cmtm8	2.98	1.92	-0.63	5.65E-01	no
Ces2g	0.17	0.03	-2.69	5.65E-01	no
Clock	4.35	5.47	0.33	5.65E-01	no
2210018M11R	19.64	16.31	-0.27	5.65E-01	no
Rnf8	17.08	13.66	-0.32	5.65E-01	no
Zfp248	0.85	1.27	0.58	5.66E-01	no
Rg9mtd2	6.12	4.67	-0.39	5.66E-01	no
Gstm2	0.13	0.42	1.68	5.67E-01	no
Atp5g2	277.57	234.75	-0.24	5.67E-01	no
Mical1	24.34	20.57	-0.24	5.67E-01	no
Ahcyl1	34.83	29.31	-0.25	5.67E-01	no
Ddx1	35.67	29.74	-0.26	5.67E-01	no
9130008F23Ri	0.14	0.32	1.19	5.67E-01	no
Atp6v1g1	44.45	54.18	0.29	5.67E-01	no
Spast	24.22	20.72	-0.23	5.67E-01	no
Txn11	29.42	24.26	-0.28	5.67E-01	no
Caprin2	4.36	3.24	-0.43	5.67E-01	no
Me2	32.10	26.65	-0.27	5.68E-01	no
Gbp1	0.09	0.23	1.27	5.68E-01	no
Prnd	0.02	0.12	2.47	5.68E-01	no
Rbm6	35.11	30.34	-0.21	5.68E-01	no
Ank2	0.08	0.02	-1.77	5.68E-01	no
Gm614	1.48	2.48	0.74	5.69E-01	no
Dzip1	0.73	1.08	0.58	5.69E-01	no
Zfp708	2.86	3.99	0.48	5.69E-01	no
Khsrp	60.68	51.41	-0.24	5.69E-01	no
Utp3	38.12	31.49	-0.28	5.69E-01	no
Wbscr22	25.30	20.13	-0.33	5.69E-01	no
Trmt12	4.06	3.03	-0.42	5.69E-01	no
Fabp5	13.35	9.74	-0.45	5.69E-01	no

H3f3a	7.41	5.20	-0.51	5.69E-01	no
Gnmt	0.82	0.43	-0.93	5.69E-01	no
Ube2o	16.91	14.15	-0.26	5.69E-01	no
Tubgcp2	21.17	17.50	-0.27	5.69E-01	no
9230110C19Ri	0.42	0.76	0.86	5.69E-01	no
BC031361	0.49	0.76	0.62	5.69E-01	no
Lnp	11.56	9.76	-0.24	5.69E-01	no
Trp53i11	68.68	57.94	-0.25	5.69E-01	no
Nudcd1	14.70	12.00	-0.29	5.69E-01	no
Stard3nl	11.97	8.86	-0.43	5.69E-01	no
Ddx27	28.31	23.60	-0.26	5.69E-01	no
Ncbp1	36.94	31.05	-0.25	5.70E-01	no
B3gnt11	4.06	5.42	0.42	5.70E-01	no
Tmem143	5.97	4.41	-0.44	5.70E-01	no
Zfp773	2.71	3.75	0.47	5.70E-01	no
Slc25a3	111.00	93.84	-0.24	5.70E-01	no
2210016L21Ril	13.21	16.97	0.36	5.70E-01	no
Arl5a	59.50	50.33	-0.24	5.70E-01	no
Rpl10	20.80	15.60	-0.42	5.70E-01	no
Them4	3.02	2.05	-0.56	5.70E-01	no
Uba6	14.60	12.02	-0.28	5.71E-01	no
Polr3f	13.10	10.66	-0.30	5.71E-01	no
Nup210	80.53	67.67	-0.25	5.71E-01	no
Gigyf1	26.93	31.83	0.24	5.71E-01	no
Osgepl1	4.95	3.58	-0.47	5.71E-01	no
Entpd7	4.90	3.83	-0.36	5.71E-01	no
Myo3b	0.01	0.05	2.29	5.72E-01	no
Chst10	0.23	0.40	0.79	5.72E-01	no
Gm5820	0.04	0.16	1.99	5.73E-01	no
Ndufaf2	12.09	8.66	-0.48	5.73E-01	no
Rps3a	36.43	29.00	-0.33	5.73E-01	no
Arl6ip6	21.42	17.28	-0.31	5.73E-01	no
Mccc1	6.75	8.67	0.36	5.73E-01	no
Gabpa	29.69	25.04	-0.25	5.73E-01	no
Hip1	1.76	1.30	-0.44	5.73E-01	no
Rplp1	649.30	550.82	-0.24	5.73E-01	no
Fam108b	22.86	18.53	-0.30	5.74E-01	no
Fstl1	0.30	0.17	-0.86	5.74E-01	no
Mphosph9	12.86	10.80	-0.25	5.74E-01	no
Gm8580	0.09	0.00	-1.79769e	5.74E-01	no
Mboat7	15.05	12.15	-0.31	5.75E-01	no
Prmt6	12.24	14.99	0.29	5.75E-01	no

Utp6	19.40	16.12	-0.27	5.75E-01	no
Oxa1l	25.61	21.16	-0.28	5.75E-01	no
Zfp229	3.79	4.99	0.40	5.75E-01	no
Ipp	15.36	12.12	-0.34	5.75E-01	no
Csrp1	63.07	53.08	-0.25	5.75E-01	no
Ptar1	10.06	7.67	-0.39	5.75E-01	no
Evi5	1.00	0.69	-0.54	5.75E-01	no
1700020N18Ri	1.10	1.96	0.84	5.76E-01	no
Fgd3	9.02	11.23	0.32	5.77E-01	no
Bicd2	20.57	17.74	-0.21	5.77E-01	no
Dci	13.23	9.90	-0.42	5.77E-01	no
Eif4e2	31.81	27.29	-0.22	5.77E-01	no
Mbd2	43.88	36.67	-0.26	5.77E-01	no
Gtf2h4	14.35	11.11	-0.37	5.77E-01	no
Lap3	14.23	11.30	-0.33	5.77E-01	no
Rbm43	21.37	25.87	0.28	5.77E-01	no
Nlrp3	0.12	0.23	0.90	5.78E-01	no
Insr	8.73	10.46	0.26	5.78E-01	no
Wdr74	22.59	17.77	-0.35	5.78E-01	no
Plvap	0.33	0.56	0.77	5.78E-01	no
D330012F22Ri	4.17	5.48	0.39	5.78E-01	no
Kif17	2.99	3.97	0.41	5.79E-01	no
Notch4	0.24	0.15	-0.71	5.79E-01	no
2610028H24Ri	0.03	0.00	-1.79769e	5.79E-01	no
Mfsd6l	0.10	0.26	1.33	5.79E-01	no
Nsf	16.92	13.99	-0.27	5.79E-01	no
Rbm44	4.55	3.42	-0.41	5.79E-01	no
B330016D10Ri	2.40	1.65	-0.54	5.79E-01	no
Srsf4	57.13	48.35	-0.24	5.79E-01	no
Tmem5	7.52	10.16	0.43	5.79E-01	no
Btnl9	0.05	0.17	1.92	5.79E-01	no
BC068157	0.45	0.70	0.63	5.79E-01	no
Dctpp1	44.47	35.10	-0.34	5.79E-01	no
Itpa	22.56	17.69	-0.35	5.79E-01	no
Wdr35	4.82	3.73	-0.37	5.79E-01	no
Kif26a	0.06	0.02	-1.70	5.79E-01	no
Dlec1	0.07	0.14	1.03	5.80E-01	no
Lemd2	13.61	16.70	0.30	5.80E-01	no
Itgav	11.82	9.84	-0.26	5.80E-01	no
Iqgap2	13.41	11.15	-0.27	5.80E-01	no
D030018L15Ri	0.11	0.19	0.83	5.81E-01	no
Lass5	26.30	31.95	0.28	5.81E-01	no

Zbtb11	16.56	13.81	-0.26	5.82E-01	no
Zfp30	0.28	0.50	0.85	5.82E-01	no
Zfp7	5.12	3.81	-0.43	5.82E-01	no
Nckap5l	1.85	2.48	0.43	5.82E-01	no
Yars2	15.32	11.88	-0.37	5.83E-01	no
Pln	0.00	0.06	1.79769e+	5.84E-01	no
Slc22a18	0.00	0.07	1.79769e+	5.84E-01	no
Fpr3	0.00	0.05	1.79769e+	5.84E-01	no
Crmp1	0.00	0.04	1.79769e+	5.84E-01	no
BC049730	0.00	0.05	1.79769e+	5.84E-01	no
Stfa1	0.00	0.14	1.79769e+	5.84E-01	no
Ear12,Ear2	0.00	0.13	1.79769e+	5.84E-01	no
1600021P15Ri	0.00	0.03	1.79769e+	5.84E-01	no
1700018C11Ri	0.00	0.10	1.79769e+	5.84E-01	no
1700018L24Ri	0.00	0.09	1.79769e+	5.84E-01	no
1700019A02Ri	0.00	0.12	1.79769e+	5.84E-01	no
1700026J04Ri	0.00	0.03	1.79769e+	5.84E-01	no
1810065E05Ri	0.00	0.08	1.79769e+	5.84E-01	no
2610019F03Ri	0.00	0.03	1.79769e+	5.84E-01	no
4921506M07R	0.00	0.04	1.79769e+	5.84E-01	no
4930412O13Ri	0.00	0.02	1.79769e+	5.84E-01	no
4930430D24Ri	0.00	0.06	1.79769e+	5.84E-01	no
9030224M15R	0.00	0.04	1.79769e+	5.84E-01	no
Adamts13	0.00	0.01	1.79769e+	5.84E-01	no
Adra1a	0.00	0.02	1.79769e+	5.84E-01	no
Ankrd5	0.00	0.03	1.79769e+	5.84E-01	no
Arhgef19	0.00	0.02	1.79769e+	5.84E-01	no
Asb15	0.00	0.02	1.79769e+	5.84E-01	no
Asphd2	0.00	0.04	1.79769e+	5.84E-01	no
Atcay	0.00	0.02	1.79769e+	5.84E-01	no
Atp6ap1l	0.00	0.07	1.79769e+	5.84E-01	no
Atp6v1b1	0.00	0.03	1.79769e+	5.84E-01	no
Atp6v1e2	0.00	0.06	1.79769e+	5.84E-01	no
BC018465	0.00	0.04	1.79769e+	5.84E-01	no
BC048562	0.00	0.09	1.79769e+	5.84E-01	no
BC048671	0.00	0.06	1.79769e+	5.84E-01	no
Bdkrb2	0.00	0.04	1.79769e+	5.84E-01	no
Btn2a2	0.00	0.02	1.79769e+	5.84E-01	no
C86695	0.00	0.03	1.79769e+	5.84E-01	no
Cabp7	0.00	0.08	1.79769e+	5.84E-01	no
Cacna1f	0.00	0.01	1.79769e+	5.84E-01	no
Ccdc147	0.00	0.02	1.79769e+	5.84E-01	no

Ccno	0.00	0.04	1.79769e+	5.84E-01	no
Cd209b	0.00	0.04	1.79769e+	5.84E-01	no
Cd209e	0.00	0.05	1.79769e+	5.84E-01	no
Cdh10	0.00	0.02	1.79769e+	5.84E-01	no
Cdh16	0.00	0.02	1.79769e+	5.84E-01	no
Clec18a	0.00	0.03	1.79769e+	5.84E-01	no
Col4a2	0.00	0.01	1.79769e+	5.84E-01	no
Cpn2	0.00	0.01	1.79769e+	5.84E-01	no
Cpne8	0.00	0.03	1.79769e+	5.84E-01	no
Crb1	0.00	0.02	1.79769e+	5.84E-01	no
Cryaa	0.00	0.06	1.79769e+	5.84E-01	no
Cspg4	0.00	0.01	1.79769e+	5.84E-01	no
Ctnna3	0.00	0.02	1.79769e+	5.84E-01	no
D430019H16R	0.00	0.08	1.79769e+	5.84E-01	no
Dbh	0.00	0.03	1.79769e+	5.84E-01	no
Defb23	0.00	0.11	1.79769e+	5.84E-01	no
Dlx6	0.00	0.06	1.79769e+	5.84E-01	no
Dpcr1	0.00	0.03	1.79769e+	5.84E-01	no
Dydc1	0.00	0.07	1.79769e+	5.84E-01	no
Ednra	0.00	0.02	1.79769e+	5.84E-01	no
Efhc2	0.00	0.03	1.79769e+	5.84E-01	no
Ehf	0.00	0.02	1.79769e+	5.84E-01	no
Epn3	0.00	0.02	1.79769e+	5.84E-01	no
Esp31	0.00	0.09	1.79769e+	5.84E-01	no
Espn	0.00	0.02	1.79769e+	5.84E-01	no
Fam164b	0.00	0.07	1.79769e+	5.84E-01	no
Fam176a	0.00	0.04	1.79769e+	5.84E-01	no
Fam65c	0.00	0.02	1.79769e+	5.84E-01	no
Fam83a	0.00	0.03	1.79769e+	5.84E-01	no
Fasl	0.00	0.04	1.79769e+	5.84E-01	no
Fbxo43	0.00	0.02	1.79769e+	5.84E-01	no
Fkbp6	0.00	0.05	1.79769e+	5.84E-01	no
Fndc3c1	0.00	0.02	1.79769e+	5.84E-01	no
Foxl2os	0.00	0.02	1.79769e+	5.84E-01	no
Fstl4	0.00	0.02	1.79769e+	5.84E-01	no
Gcg	0.00	0.07	1.79769e+	5.84E-01	no
Gif	0.00	0.05	1.79769e+	5.84E-01	no
Gm11541	0.00	0.05	1.79769e+	5.84E-01	no
Gm13271	0.00	0.11	1.79769e+	5.84E-01	no
Gm14124	0.00	0.03	1.79769e+	5.84E-01	no
Gm2897	0.00	0.04	1.79769e+	5.84E-01	no
Gm4489	0.00	0.14	1.79769e+	5.84E-01	no

Gm52	0.00	0.04	1.79769e+	5.84E-01	no
Gm5592	0.00	0.02	1.79769e+	5.84E-01	no
Gm5647	0.00	0.10	1.79769e+	5.84E-01	no
Gm628	0.00	0.03	1.79769e+	5.84E-01	no
Gm6484	0.00	0.06	1.79769e+	5.84E-01	no
Gm8884	0.00	0.17	1.79769e+	5.84E-01	no
Gpr75	0.00	0.05	1.79769e+	5.84E-01	no
Grm2	0.00	0.02	1.79769e+	5.84E-01	no
Guca2b	0.00	0.10	1.79769e+	5.84E-01	no
Hamp	0.00	0.17	1.79769e+	5.84E-01	no
Hapln2	0.00	0.03	1.79769e+	5.84E-01	no
Hcrt	0.00	0.11	1.79769e+	5.84E-01	no
Igsf11	0.00	0.02	1.79769e+	5.84E-01	no
Il1rapl2	0.00	0.03	1.79769e+	5.84E-01	no
Impg1	0.00	0.02	1.79769e+	5.84E-01	no
Jakmip3	0.00	0.01	1.79769e+	5.84E-01	no
Jph2	0.00	0.02	1.79769e+	5.84E-01	no
Kcna7	0.00	0.02	1.79769e+	5.84E-01	no
Kcne2	0.00	0.04	1.79769e+	5.84E-01	no
Krt42	0.00	0.04	1.79769e+	5.84E-01	no
Krtap16-7	0.00	0.11	1.79769e+	5.84E-01	no
Lama3	0.00	0.01	1.79769e+	5.84E-01	no
Larp6	0.00	0.03	1.79769e+	5.84E-01	no
Lcn12	0.00	0.09	1.79769e+	5.84E-01	no
Lgals7	0.00	0.10	1.79769e+	5.84E-01	no
Lhx1	0.00	0.03	1.79769e+	5.84E-01	no
Ltb4r2	0.00	0.07	1.79769e+	5.84E-01	no
Lypd6b	0.00	0.03	1.79769e+	5.84E-01	no
Mapk15	0.00	0.03	1.79769e+	5.84E-01	no
11-Mar	0.00	0.05	1.79769e+	5.84E-01	no
Mas1	0.00	0.03	1.79769e+	5.84E-01	no
Mc2r	0.00	0.06	1.79769e+	5.84E-01	no
Mfi2	0.00	0.02	1.79769e+	5.84E-01	no
Mgat5b	0.00	0.01	1.79769e+	5.84E-01	no
Miox	0.00	0.06	1.79769e+	5.84E-01	no
Mixl1	0.00	0.04	1.79769e+	5.84E-01	no
Morc1	0.00	0.02	1.79769e+	5.84E-01	no
Morc2b	0.00	0.02	1.79769e+	5.84E-01	no
Mrgpra6	0.00	0.11	1.79769e+	5.84E-01	no
Mup20	0.00	0.09	1.79769e+	5.84E-01	no
Mybph	0.00	0.03	1.79769e+	5.84E-01	no
Myh13	0.00	0.01	1.79769e+	5.84E-01	no

Nefm	0.00	0.02	1.79769e+	5.84E-01	no
Nepn	0.00	0.04	1.79769e+	5.84E-01	no
Nodal	0.00	0.03	1.79769e+	5.84E-01	no
Npas3	0.00	0.01	1.79769e+	5.84E-01	no
Npdc1	0.00	0.04	1.79769e+	5.84E-01	no
Oxt	0.00	0.13	1.79769e+	5.84E-01	no
P4ha3	0.00	0.03	1.79769e+	5.84E-01	no
Panx3	0.00	0.03	1.79769e+	5.84E-01	no
Pappa2	0.00	0.01	1.79769e+	5.84E-01	no
Pdcl2	0.00	0.07	1.79769e+	5.84E-01	no
Pde6h	0.00	0.11	1.79769e+	5.84E-01	no
Pdlim4	0.00	0.05	1.79769e+	5.84E-01	no
Pet2	0.00	0.02	1.79769e+	5.84E-01	no
Pkia	0.00	0.03	1.79769e+	5.84E-01	no
Pla2g2d	0.00	0.03	1.79769e+	5.84E-01	no
Pnmal1	0.00	0.04	1.79769e+	5.84E-01	no
Pnpla1	0.00	0.01	1.79769e+	5.84E-01	no
Ppm1n	0.00	0.04	1.79769e+	5.84E-01	no
Prokr2	0.00	0.02	1.79769e+	5.84E-01	no
Prrt1	0.00	0.07	1.79769e+	5.84E-01	no
Prss44	0.00	0.04	1.79769e+	5.84E-01	no
Psg19	0.00	0.03	1.79769e+	5.84E-01	no
Ptgfrn	0.00	0.01	1.79769e+	5.84E-01	no
Pth2r	0.00	0.03	1.79769e+	5.84E-01	no
Rbfox3	0.00	0.02	1.79769e+	5.84E-01	no
Retnlb	0.00	0.11	1.79769e+	5.84E-01	no
Rnf182	0.00	0.02	1.79769e+	5.84E-01	no
Rnf217	0.00	0.03	1.79769e+	5.84E-01	no
Rnu11	0.00	0.91	1.79769e+	5.84E-01	no
Rsph6a	0.00	0.02	1.79769e+	5.84E-01	no
Rxfp3	0.00	0.02	1.79769e+	5.84E-01	no
Samd12	0.00	0.07	1.79769e+	5.84E-01	no
Sat2	0.00	0.08	1.79769e+	5.84E-01	no
Scgb1c1	0.00	0.15	1.79769e+	5.84E-01	no
Scn1b	0.00	0.04	1.79769e+	5.84E-01	no
Scn9a	0.00	0.01	1.79769e+	5.84E-01	no
Scrt2	0.00	0.02	1.79769e+	5.84E-01	no
Sdc2	0.00	0.03	1.79769e+	5.84E-01	no
Sec14l5	0.00	0.03	1.79769e+	5.84E-01	no
Sema3d	0.00	0.01	1.79769e+	5.84E-01	no
12-Sep	0.00	0.05	1.79769e+	5.84E-01	no
Sfrp5	0.00	0.03	1.79769e+	5.84E-01	no

Sgk2	0.00	0.03	1.79769e+	5.84E-01	no
Sh2d1b2	0.00	0.20	1.79769e+	5.84E-01	no
Slc15a1	0.00	0.02	1.79769e+	5.84E-01	no
Slc1a1	0.00	0.02	1.79769e+	5.84E-01	no
Slc24a4	0.00	0.03	1.79769e+	5.84E-01	no
Slc26a5	0.00	0.03	1.79769e+	5.84E-01	no
Slc35f4	0.00	0.04	1.79769e+	5.84E-01	no
Slc6a12	0.00	0.03	1.79769e+	5.84E-01	no
Slc7a12	0.00	0.06	1.79769e+	5.84E-01	no
Slc9a3	0.00	0.03	1.79769e+	5.84E-01	no
Slitrk5	0.00	0.02	1.79769e+	5.84E-01	no
Snai2	0.00	0.04	1.79769e+	5.84E-01	no
Sparcl1	0.00	0.02	1.79769e+	5.84E-01	no
Spp2	0.00	0.08	1.79769e+	5.84E-01	no
Sprr2a2	0.00	0.03	1.79769e+	5.84E-01	no
Stk32b	0.00	0.02	1.79769e+	5.84E-01	no
Stmn3	0.00	0.06	1.79769e+	5.84E-01	no
Susd4	0.00	0.03	1.79769e+	5.84E-01	no
Sycp1	0.00	0.02	1.79769e+	5.84E-01	no
Syt16	0.00	0.03	1.79769e+	5.84E-01	no
Syt9	0.00	0.02	1.79769e+	5.84E-01	no
Tbx1	0.00	0.04	1.79769e+	5.84E-01	no
Tchh	0.00	0.01	1.79769e+	5.84E-01	no
Tectb	0.00	0.03	1.79769e+	5.84E-01	no
Tex101	0.00	0.06	1.79769e+	5.84E-01	no
Tll2	0.00	0.02	1.79769e+	5.84E-01	no
Tmem178	0.00	0.04	1.79769e+	5.84E-01	no
Tmem47	0.00	0.03	1.79769e+	5.84E-01	no
Tmem8c	0.00	0.05	1.79769e+	5.84E-01	no
Trim60	0.00	0.02	1.79769e+	5.84E-01	no
Trnp1	0.00	0.04	1.79769e+	5.84E-01	no
Tshz2	0.00	0.01	1.79769e+	5.84E-01	no
Utf1	0.00	0.05	1.79769e+	5.84E-01	no
Uts2	0.00	0.11	1.79769e+	5.84E-01	no
Vsnl1	0.00	0.04	1.79769e+	5.84E-01	no
Xkr6	0.00	0.03	1.79769e+	5.84E-01	no
Yipf7	0.00	0.07	1.79769e+	5.84E-01	no
Zbtb7c	0.00	0.01	1.79769e+	5.84E-01	no
Zim1	0.00	0.02	1.79769e+	5.84E-01	no
1700015E13Ri	0.00	0.10	1.79769e+	5.84E-01	no
1700022P22Ri	0.00	0.16	1.79769e+	5.84E-01	no
4921536K21Ri	0.00	0.03	1.79769e+	5.84E-01	no

Apoc1	0.00	0.15	1.79769e+	5.84E-01	no
C3ar1	0.00	0.02	1.79769e+	5.84E-01	no
Casr	0.00	0.02	1.79769e+	5.84E-01	no
Ccdc13	0.00	0.02	1.79769e+	5.84E-01	no
Cpn1	0.00	0.04	1.79769e+	5.84E-01	no
Crhr1	0.00	0.03	1.79769e+	5.84E-01	no
Cyp7b1	0.00	0.04	1.79769e+	5.84E-01	no
Dnahc2	0.00	0.01	1.79769e+	5.84E-01	no
Fgf9	0.00	0.02	1.79769e+	5.84E-01	no
Foxh1	0.00	0.06	1.79769e+	5.84E-01	no
Gm10768	0.00	0.04	1.79769e+	5.84E-01	no
Gm9047	0.00	0.11	1.79769e+	5.84E-01	no
Gpr115	0.00	0.03	1.79769e+	5.84E-01	no
Hnmt	0.00	0.05	1.79769e+	5.84E-01	no
Il20ra	0.00	0.03	1.79769e+	5.84E-01	no
Klkb1	0.00	0.03	1.79769e+	5.84E-01	no
LOC10030364!	0.00	0.03	1.79769e+	5.84E-01	no
Pcdh1	0.00	0.02	1.79769e+	5.84E-01	no
Slc32a1	0.00	0.03	1.79769e+	5.84E-01	no
Slfn14-ps	0.00	0.02	1.79769e+	5.84E-01	no
Tdgf1	0.00	0.04	1.79769e+	5.84E-01	no
Themis	0.00	0.02	1.79769e+	5.84E-01	no
Trpm1	0.00	0.02	1.79769e+	5.84E-01	no
Wdr63	0.00	0.02	1.79769e+	5.84E-01	no
Zcchc12	0.00	0.03	1.79769e+	5.84E-01	no
Zfp536	0.00	0.02	1.79769e+	5.84E-01	no
Slc5a2	0.04	0.00	-1.79769e-	5.84E-01	no
Fbxl13	0.05	0.00	-1.79769e-	5.84E-01	no
Unc93a	0.02	0.00	-1.79769e-	5.84E-01	no
1700023E05Ri	0.05	0.00	-1.79769e-	5.84E-01	no
2510049J12Ri	0.03	0.00	-1.79769e-	5.84E-01	no
4930402F06Ri	0.06	0.00	-1.79769e-	5.84E-01	no
4933411K16Ri	0.05	0.00	-1.79769e-	5.84E-01	no
Aldh1a7	0.04	0.00	-1.79769e-	5.84E-01	no
Ankrd43	0.02	0.00	-1.79769e-	5.84E-01	no
Ano1	0.02	0.00	-1.79769e-	5.84E-01	no
Arhgap42	0.02	0.00	-1.79769e-	5.84E-01	no
BC052688	0.06	0.00	-1.79769e-	5.84E-01	no
Chrna9	0.04	0.00	-1.79769e-	5.84E-01	no
Cnga4	0.03	0.00	-1.79769e-	5.84E-01	no
Creb3l3	0.03	0.00	-1.79769e-	5.84E-01	no
E230025N22Ri	0.04	0.00	-1.79769e-	5.84E-01	no

Gm1332	0.11	0.00	-1.79769e	5.84E-01	no
Gm364	0.05	0.00	-1.79769e	5.84E-01	no
Gm6813	0.14	0.00	-1.79769e	5.84E-01	no
Hpx	0.05	0.00	-1.79769e	5.84E-01	no
Kcnh6	0.03	0.00	-1.79769e	5.84E-01	no
Kndc1	0.01	0.00	-1.79769e	5.84E-01	no
Kremen2	0.03	0.00	-1.79769e	5.84E-01	no
Lgi4	0.02	0.00	-1.79769e	5.84E-01	no
Lhfp14	0.02	0.00	-1.79769e	5.84E-01	no
Mylk3	0.02	0.00	-1.79769e	5.84E-01	no
Pcdh7	0.01	0.00	-1.79769e	5.84E-01	no
Proca1	0.05	0.00	-1.79769e	5.84E-01	no
Rxrg	0.04	0.00	-1.79769e	5.84E-01	no
Slc1a3	0.02	0.00	-1.79769e	5.84E-01	no
Tas2r108	0.11	0.00	-1.79769e	5.84E-01	no
Tesc	0.07	0.00	-1.79769e	5.84E-01	no
Thsd7b	0.01	0.00	-1.79769e	5.84E-01	no
Trpc1	0.03	0.00	-1.79769e	5.84E-01	no
Tshr	0.02	0.00	-1.79769e	5.84E-01	no
Tubal3	0.03	0.00	-1.79769e	5.84E-01	no
Zfp105	0.04	0.00	-1.79769e	5.84E-01	no
Zfp92	0.01	0.00	-1.79769e	5.84E-01	no
Angptl3	0.03	0.22	3.05	5.84E-01	no
Aqp9	0.03	0.18	2.49	5.84E-01	no
Gm6086	0.02	0.11	2.48	5.84E-01	no
Klk1	0.10	0.50	2.26	5.84E-01	no
F830016B08Ri	0.03	0.16	2.25	5.84E-01	no
Rfpl3s	0.12	0.57	2.22	5.84E-01	no
Hal	0.02	0.11	2.21	5.84E-01	no
Tns4	0.02	0.08	2.19	5.84E-01	no
Nlrp1c-ps	0.03	0.12	1.93	5.84E-01	no
Zbtb16	0.02	0.08	1.90	5.84E-01	no
Epx	0.04	0.15	1.87	5.84E-01	no
Trim43b	0.06	0.20	1.76	5.84E-01	no
BC051628	0.08	0.26	1.74	5.84E-01	no
Il7	0.07	0.21	1.70	5.84E-01	no
Angptl7	0.05	0.17	1.69	5.84E-01	no
Acot4	0.09	0.23	1.38	5.84E-01	no
Morn3	0.26	0.61	1.21	5.84E-01	no
Fat3	0.02	0.04	1.18	5.84E-01	no
5430402O13Ri	0.42	0.94	1.17	5.84E-01	no
B630019K06Ri	0.11	0.24	1.13	5.84E-01	no

Gsg1l	0.09	0.19	1.04	5.84E-01	no
Pdgfa	0.34	0.66	0.95	5.84E-01	no
F630028O10Ri	0.25	0.47	0.89	5.84E-01	no
Nlrp10	0.15	0.26	0.82	5.84E-01	no
Rgs9bp	0.11	0.19	0.76	5.84E-01	no
Rnd3	0.43	0.71	0.72	5.84E-01	no
Aldh5a1	0.20	0.32	0.72	5.84E-01	no
Cds1	0.30	0.48	0.70	5.84E-01	no
Cox6a2	1.61	2.58	0.69	5.84E-01	no
Tmsb15b2	3.76	5.93	0.66	5.84E-01	no
2210020M01R	1.40	2.16	0.63	5.84E-01	no
A630066F11Ri	1.50	2.28	0.60	5.84E-01	no
Fgl2	0.69	1.04	0.60	5.84E-01	no
Rab3a	6.19	9.20	0.57	5.84E-01	no
Zfp14	1.13	1.66	0.55	5.84E-01	no
Spata1	1.80	2.63	0.55	5.84E-01	no
Hmcn1	0.28	0.40	0.51	5.84E-01	no
Il18bp	3.59	5.07	0.50	5.84E-01	no
Cmc1	10.70	15.01	0.49	5.84E-01	no
Acy3	4.41	6.18	0.49	5.84E-01	no
Zfp119a	3.71	5.18	0.48	5.84E-01	no
1700010I14Rik	2.54	3.55	0.48	5.84E-01	no
1810043G02Ri	3.25	4.50	0.47	5.84E-01	no
BC057022	2.41	3.32	0.46	5.84E-01	no
1110051M20R	3.65	5.00	0.46	5.84E-01	no
Clcn2	1.99	2.73	0.46	5.84E-01	no
Cradd	4.17	5.70	0.45	5.84E-01	no
Nfia	1.12	1.53	0.45	5.84E-01	no
Comtd1	3.13	4.25	0.44	5.84E-01	no
Zfp3	4.20	5.70	0.44	5.84E-01	no
Dsel	1.86	2.52	0.44	5.84E-01	no
Zrsr1	2.96	3.99	0.43	5.84E-01	no
Slc31a2	5.42	7.31	0.43	5.84E-01	no
Ppap2c	6.09	8.13	0.42	5.84E-01	no
4930402H24Ri	2.43	3.22	0.41	5.84E-01	no
Rnf135	6.51	8.54	0.39	5.84E-01	no
Rdh12	8.98	11.74	0.39	5.84E-01	no
Galnt11	5.60	7.32	0.39	5.84E-01	no
Rab3d	3.67	4.78	0.38	5.84E-01	no
Nkiras1	3.91	5.08	0.38	5.84E-01	no
Ttc39b	2.36	3.04	0.36	5.84E-01	no
Thap3	13.37	17.16	0.36	5.84E-01	no

Rnasek	33.95	43.45	0.36	5.84E-01	no
Capn2	5.98	7.62	0.35	5.84E-01	no
Slc33a1	7.50	9.50	0.34	5.84E-01	no
Ppfibp1	3.72	4.71	0.34	5.84E-01	no
Zfp956	7.77	9.83	0.34	5.84E-01	no
Zfp788	7.12	9.01	0.34	5.84E-01	no
Mapkbp1	3.50	4.38	0.32	5.84E-01	no
Hps4	7.91	9.89	0.32	5.84E-01	no
Kctd18	8.40	10.47	0.32	5.84E-01	no
3110002H16Ri	12.89	16.01	0.31	5.84E-01	no
Zfp408	8.06	9.94	0.30	5.84E-01	no
1700048O20Ri	28.47	35.01	0.30	5.84E-01	no
Kif16b	5.93	7.27	0.29	5.84E-01	no
Calcoco1	11.22	13.75	0.29	5.84E-01	no
Gsdmd	19.15	23.44	0.29	5.84E-01	no
Mib1	10.29	12.59	0.29	5.84E-01	no
2700089E24Ri	16.54	20.21	0.29	5.84E-01	no
Ngfrap1	33.56	40.83	0.28	5.84E-01	no
Mrpl15	13.66	16.58	0.28	5.84E-01	no
Adssl1	24.67	29.90	0.28	5.84E-01	no
Ascc3	8.48	10.13	0.26	5.84E-01	no
Pacs2	10.52	12.57	0.26	5.84E-01	no
Cep164	14.19	16.88	0.25	5.84E-01	no
Serf2	32.18	38.24	0.25	5.84E-01	no
Sesn1	25.09	29.72	0.24	5.84E-01	no
Rltpr	38.05	45.02	0.24	5.84E-01	no
Kidins220	17.93	21.18	0.24	5.84E-01	no
Itm2b	65.75	77.45	0.24	5.84E-01	no
Tapt1	69.34	81.33	0.23	5.84E-01	no
Hmha1	77.30	88.31	0.19	5.84E-01	no
Mgat1	81.88	92.82	0.18	5.84E-01	no
Myo9b	30.26	33.94	0.17	5.84E-01	no
Ankrd10	64.51	57.52	-0.17	5.84E-01	no
Upf1	41.40	36.38	-0.19	5.84E-01	no
Dbnl	43.05	37.51	-0.20	5.84E-01	no
Gemin5	16.23	14.06	-0.21	5.84E-01	no
Hnrnpul2	49.48	42.34	-0.22	5.84E-01	no
Actr2	90.42	77.34	-0.23	5.84E-01	no
Dusp11	36.49	31.12	-0.23	5.84E-01	no
Coro1a	142.46	121.46	-0.23	5.84E-01	no
Prpf4b	44.94	38.30	-0.23	5.84E-01	no
Rmnd5a	34.23	29.15	-0.23	5.84E-01	no

Rps3	210.05	178.75	-0.23	5.84E-01	no
Pabpn1	69.71	59.24	-0.23	5.84E-01	no
Lsm14a	54.01	45.87	-0.24	5.84E-01	no
Tmem123	58.96	50.07	-0.24	5.84E-01	no
Heatr1	24.31	20.63	-0.24	5.84E-01	no
Cct2	83.55	70.89	-0.24	5.84E-01	no
Shmt2	43.05	36.52	-0.24	5.84E-01	no
Casc3	29.70	25.18	-0.24	5.84E-01	no
Polg	26.49	22.46	-0.24	5.84E-01	no
Taf2	22.30	18.90	-0.24	5.84E-01	no
lws1	17.35	14.69	-0.24	5.84E-01	no
2510012J08Ril	30.23	25.60	-0.24	5.84E-01	no
Ppp1r12a	27.19	23.02	-0.24	5.84E-01	no
Coro1c	34.72	29.38	-0.24	5.84E-01	no
Pip4k2b	24.15	20.42	-0.24	5.84E-01	no
Uqcrc1	53.34	45.09	-0.24	5.84E-01	no
Xrn2	36.03	30.45	-0.24	5.84E-01	no
Hdac10	21.82	18.43	-0.24	5.84E-01	no
Agps	17.60	14.85	-0.25	5.84E-01	no
Aqr	22.57	19.04	-0.25	5.84E-01	no
Gorasp2	33.20	28.00	-0.25	5.84E-01	no
Mbd3	46.70	39.36	-0.25	5.84E-01	no
Klhdc10	15.76	13.28	-0.25	5.84E-01	no
Arpc5l	73.81	62.11	-0.25	5.84E-01	no
Aldh9a1	27.37	23.02	-0.25	5.84E-01	no
Sec23ip	18.86	15.85	-0.25	5.84E-01	no
Tmsb10	101.95	85.69	-0.25	5.84E-01	no
Mdm2	28.37	23.84	-0.25	5.84E-01	no
Ranbp9	27.86	23.39	-0.25	5.84E-01	no
Bop1	30.26	25.40	-0.25	5.84E-01	no
Eif2b5	27.82	23.34	-0.25	5.84E-01	no
Usp12	19.85	16.65	-0.25	5.84E-01	no
Tsr1	22.44	18.79	-0.26	5.84E-01	no
Rfwd2	15.80	13.23	-0.26	5.84E-01	no
Pcnp	39.68	33.20	-0.26	5.84E-01	no
Rbm28	17.92	14.98	-0.26	5.84E-01	no
Psm5	58.19	48.64	-0.26	5.84E-01	no
Rab8a	39.07	32.66	-0.26	5.84E-01	no
Dnajc8	47.20	39.44	-0.26	5.84E-01	no
Iqgap3	11.43	9.53	-0.26	5.84E-01	no
Sdhd	58.61	48.85	-0.26	5.84E-01	no
Ddx47	37.56	31.26	-0.26	5.84E-01	no

Psma1	50.73	42.16	-0.27	5.84E-01	no
Tfam	16.16	13.41	-0.27	5.84E-01	no
Ddx5	325.20	269.49	-0.27	5.84E-01	no
Yars	19.85	16.44	-0.27	5.84E-01	no
Cisd2	22.30	18.46	-0.27	5.84E-01	no
Tmx1	30.79	25.47	-0.27	5.84E-01	no
Nol7	35.22	29.10	-0.28	5.84E-01	no
2810008M24R	36.30	29.99	-0.28	5.84E-01	no
Atp5o	72.22	59.65	-0.28	5.84E-01	no
Rpl5	56.10	46.32	-0.28	5.84E-01	no
Adsl	25.46	21.02	-0.28	5.84E-01	no
Exoc6	19.44	15.99	-0.28	5.84E-01	no
Heatr3	16.75	13.76	-0.28	5.84E-01	no
Mrpl12	46.44	38.14	-0.28	5.84E-01	no
Tubgcp4	18.34	15.04	-0.29	5.84E-01	no
Fam126b	7.31	5.99	-0.29	5.84E-01	no
Slmo2	32.87	26.90	-0.29	5.84E-01	no
Ptch1	10.20	8.35	-0.29	5.84E-01	no
Gapdh	37.20	30.42	-0.29	5.84E-01	no
Rpl39	131.26	107.22	-0.29	5.84E-01	no
Isca1	26.33	21.46	-0.29	5.84E-01	no
Polr3k	18.36	14.93	-0.30	5.84E-01	no
Rpl27a	36.11	29.36	-0.30	5.84E-01	no
Mapk8	8.95	7.26	-0.30	5.84E-01	no
Crip1	88.42	71.69	-0.30	5.84E-01	no
Ccdc111	11.10	8.97	-0.31	5.84E-01	no
Mrpl50	19.62	15.80	-0.31	5.84E-01	no
Nop10	60.93	48.89	-0.32	5.84E-01	no
Rad17	13.60	10.90	-0.32	5.84E-01	no
Sra1	24.36	19.47	-0.32	5.84E-01	no
E130303B06Ri	23.87	19.08	-0.32	5.84E-01	no
Arf2	12.18	9.73	-0.32	5.84E-01	no
Mrpl38	19.41	15.46	-0.33	5.84E-01	no
Zcchc17	21.36	17.00	-0.33	5.84E-01	no
Haus2	13.15	10.44	-0.33	5.84E-01	no
Nsun5	13.19	10.46	-0.33	5.84E-01	no
1110059E24Ri	21.87	17.33	-0.34	5.84E-01	no
Gatc	17.24	13.64	-0.34	5.84E-01	no
Cwf19l1	8.63	6.82	-0.34	5.84E-01	no
Slc35b1	25.80	20.38	-0.34	5.84E-01	no
1810026B05Ri	7.30	5.76	-0.34	5.84E-01	no
Mrp63	13.65	10.75	-0.34	5.84E-01	no

Haus8	12.01	9.43	-0.35	5.84E-01	no
Mrpl16	24.35	19.08	-0.35	5.84E-01	no
Sepsecs	12.70	9.94	-0.35	5.84E-01	no
Tada3	11.64	9.08	-0.36	5.84E-01	no
5530601H04Ri	7.09	5.53	-0.36	5.84E-01	no
Mybpc2	6.09	4.74	-0.36	5.84E-01	no
Cisd1	24.73	19.20	-0.36	5.84E-01	no
Nrarp	8.63	6.68	-0.37	5.84E-01	no
Mrps31	12.14	9.35	-0.38	5.84E-01	no
Thap1	8.87	6.82	-0.38	5.84E-01	no
Snrnp25	18.80	14.33	-0.39	5.84E-01	no
Tmem101	10.43	7.94	-0.39	5.84E-01	no
Ccdc138	6.81	5.17	-0.40	5.84E-01	no
2610301B20Ri	8.33	6.30	-0.40	5.84E-01	no
Alg3	12.15	9.17	-0.41	5.84E-01	no
Obfc1	7.07	5.32	-0.41	5.84E-01	no
Bola3	19.65	14.59	-0.43	5.84E-01	no
Cav2	7.85	5.82	-0.43	5.84E-01	no
Pacrgl	9.10	6.74	-0.43	5.84E-01	no
Gadd45a	8.11	5.98	-0.44	5.84E-01	no
Jup	3.44	2.53	-0.44	5.84E-01	no
Apoe	6.90	5.06	-0.45	5.84E-01	no
0610009B22Ri	15.23	11.14	-0.45	5.84E-01	no
0610011F06Ri	11.53	8.41	-0.45	5.84E-01	no
Tbc1d7	8.01	5.77	-0.47	5.84E-01	no
Pex10	4.46	3.21	-0.47	5.84E-01	no
Ptms	6.08	4.34	-0.49	5.84E-01	no
Srd5a1	2.36	1.66	-0.50	5.84E-01	no
Tmem132a	1.58	1.11	-0.51	5.84E-01	no
Pde4c	1.72	1.21	-0.51	5.84E-01	no
Olfml2b	1.52	1.05	-0.52	5.84E-01	no
Phlda3	2.90	2.00	-0.53	5.84E-01	no
Slc1a4	1.08	0.74	-0.55	5.84E-01	no
Sorbs2	0.43	0.28	-0.61	5.84E-01	no
Bex6	2.88	1.87	-0.62	5.84E-01	no
Rnf125	1.55	0.97	-0.66	5.84E-01	no
Clic6	0.58	0.36	-0.67	5.84E-01	no
Vcam1	0.61	0.38	-0.70	5.84E-01	no
Wipi1	0.84	0.50	-0.74	5.84E-01	no
Nr4a2	0.76	0.45	-0.74	5.84E-01	no
Gpr183	0.33	0.18	-0.89	5.84E-01	no
Ccdc150	0.22	0.12	-0.91	5.84E-01	no

Stox2	0.11	0.06	-0.92	5.84E-01	no
Prr19	0.48	0.24	-1.03	5.84E-01	no
Rasgrf2	0.08	0.04	-1.16	5.84E-01	no
Rhbdf1	0.17	0.07	-1.18	5.84E-01	no
Ucp3	0.23	0.10	-1.19	5.84E-01	no
Cubn	0.05	0.02	-1.22	5.84E-01	no
Cybrd1	0.12	0.05	-1.23	5.84E-01	no
Lrrn4cl	0.21	0.09	-1.31	5.84E-01	no
Gm11275,Hist	1.17	0.46	-1.35	5.84E-01	no
St8sia2	0.09	0.03	-1.40	5.84E-01	no
Kcnj9	0.13	0.05	-1.41	5.84E-01	no
Rhpn2	0.14	0.05	-1.42	5.84E-01	no
Icam5	0.10	0.02	-1.96	5.84E-01	no
Slc34a1	0.10	0.02	-2.02	5.84E-01	no
As3mt	8.95	11.50	0.36	5.85E-01	no
Gtf2h1	20.41	24.42	0.26	5.85E-01	no
Grwd1	18.26	14.85	-0.30	5.85E-01	no
Slc25a29	1.71	1.16	-0.55	5.85E-01	no
Rhoh	19.63	16.58	-0.24	5.85E-01	no
Scai	6.65	7.96	0.26	5.85E-01	no
Dus2l	6.02	7.92	0.40	5.85E-01	no
Tmed5	24.14	20.28	-0.25	5.85E-01	no
Lmbr1l	18.56	15.12	-0.30	5.85E-01	no
Klhl26	7.80	9.66	0.31	5.85E-01	no
4930441O14Ri	0.35	0.19	-0.84	5.85E-01	no
Specc1	0.43	0.63	0.56	5.86E-01	no
BC024479	13.33	10.64	-0.32	5.86E-01	no
Nfkbid	8.38	10.70	0.35	5.86E-01	no
Surf2	12.78	16.45	0.36	5.86E-01	no
Esrra	10.78	13.37	0.31	5.86E-01	no
Wbp5	36.02	44.06	0.29	5.86E-01	no
Nfkbia	35.95	29.93	-0.26	5.86E-01	no
Rab33b	8.81	6.97	-0.34	5.86E-01	no
Aldh4a1	4.11	3.12	-0.40	5.86E-01	no
Greb1l	0.05	0.01	-1.79	5.86E-01	no
Tusc3	14.35	11.13	-0.37	5.87E-01	no
5033406O09Ri	1.98	2.85	0.52	5.88E-01	no
Edem2	12.93	15.91	0.30	5.88E-01	no
Lekr1	2.72	1.92	-0.50	5.88E-01	no
Ptafr	0.12	0.30	1.31	5.88E-01	no
Btnl2	0.46	0.74	0.67	5.88E-01	no
Psmb7	59.82	49.71	-0.27	5.88E-01	no

Nupr1	0.57	0.17	-1.78	5.89E-01	no
Mrpl37	32.14	26.57	-0.27	5.89E-01	no
Parva	0.08	0.02	-1.78	5.89E-01	no
Unc45a	14.96	17.87	0.26	5.89E-01	no
Cct4	72.34	61.74	-0.23	5.89E-01	no
Pik3ca	17.44	14.87	-0.23	5.89E-01	no
Zfp574	13.47	11.34	-0.25	5.89E-01	no
Mrps18b	26.71	21.29	-0.33	5.89E-01	no
Bcorl1	2.36	3.03	0.36	5.89E-01	no
Sec22a	3.27	4.31	0.40	5.89E-01	no
Lin7c	31.40	26.64	-0.24	5.89E-01	no
Cwc25	12.50	10.22	-0.29	5.89E-01	no
Camkv	2.35	1.70	-0.47	5.89E-01	no
Reep6	0.42	0.24	-0.81	5.89E-01	no
Ybey	2.23	1.64	-0.44	5.89E-01	no
Pomgnt1	7.27	9.11	0.32	5.89E-01	no
Psm14	38.08	31.64	-0.27	5.90E-01	no
Dcaf4	6.85	8.75	0.35	5.90E-01	no
Lamb2	1.01	0.71	-0.50	5.90E-01	no
Zfp456	4.12	5.35	0.38	5.90E-01	no
Tle4	22.48	19.06	-0.24	5.90E-01	no
Csrnp2	2.76	2.06	-0.42	5.90E-01	no
Cnih2	0.98	0.60	-0.72	5.90E-01	no
Rnf126	34.61	29.14	-0.25	5.90E-01	no
Gm13718	0.27	0.15	-0.82	5.90E-01	no
Nup153	34.89	29.89	-0.22	5.90E-01	no
Ppp1r8	28.88	24.12	-0.26	5.91E-01	no
Wdr53	11.22	8.61	-0.38	5.91E-01	no
Ccdc123	16.24	13.37	-0.28	5.91E-01	no
Tmcc2	0.94	1.34	0.52	5.91E-01	no
Hars	28.64	23.89	-0.26	5.91E-01	no
Ctsb	18.10	21.35	0.24	5.91E-01	no
Map3k7	20.82	18.01	-0.21	5.91E-01	no
Sf3b2	68.22	58.52	-0.22	5.91E-01	no
Eif4g1	72.39	61.85	-0.23	5.91E-01	no
Hist1h4h	0.87	0.28	-1.63	5.91E-01	no
Dmrta2	0.16	0.29	0.86	5.91E-01	no
Zmynd11	30.18	34.78	0.20	5.92E-01	no
Dcdc2a	0.01	0.07	2.57	5.92E-01	no
Zbtb37	4.83	6.15	0.35	5.92E-01	no
Luc7l3	47.95	40.96	-0.23	5.92E-01	no
Rsl1d1	47.45	40.17	-0.24	5.92E-01	no

Idh3a	27.21	22.73	-0.26	5.92E-01	no
Lsm12	29.56	23.93	-0.30	5.92E-01	no
Thoc2	27.09	23.19	-0.22	5.92E-01	no
Safb	45.58	39.02	-0.22	5.93E-01	no
Ndufv3	35.26	28.26	-0.32	5.93E-01	no
Kif5b	36.15	30.99	-0.22	5.93E-01	no
Cd52	48.03	37.74	-0.35	5.93E-01	no
9530082P21Ri	6.47	5.05	-0.36	5.93E-01	no
Nfatc3	46.17	53.92	0.22	5.93E-01	no
9-Sep	34.15	38.54	0.17	5.93E-01	no
Celf1	44.53	38.41	-0.21	5.93E-01	no
Plek	12.44	10.25	-0.28	5.94E-01	no
Cdc123	26.54	21.75	-0.29	5.94E-01	no
Cnot6l	56.71	48.99	-0.21	5.95E-01	no
Tmem14c	45.35	37.22	-0.28	5.95E-01	no
Bcl2l12	26.67	21.40	-0.32	5.95E-01	no
Tsga10	1.92	1.38	-0.48	5.95E-01	no
Atr	14.14	12.02	-0.23	5.95E-01	no
Fbl	61.62	52.01	-0.24	5.95E-01	no
Stx7	17.12	13.99	-0.29	5.95E-01	no
4930515G16Ri	0.86	0.08	-3.42	5.95E-01	no
Ptprv	1.39	1.85	0.42	5.95E-01	no
Mkrn2	9.93	7.80	-0.35	5.95E-01	no
Zfp507	10.25	12.13	0.24	5.95E-01	no
Axin2	1.52	1.09	-0.47	5.95E-01	no
Trmt112	72.99	62.44	-0.23	5.96E-01	no
Nedd1	16.68	13.84	-0.27	5.96E-01	no
Atf1	43.68	37.07	-0.24	5.96E-01	no
Rps6ka4	7.06	8.79	0.32	5.96E-01	no
Sec13	42.12	35.11	-0.26	5.96E-01	no
Exosc7	23.41	18.60	-0.33	5.96E-01	no
Fzd4	0.19	0.09	-1.10	5.96E-01	no
Gars	37.38	31.73	-0.24	5.96E-01	no
Cbll1	25.90	21.31	-0.28	5.96E-01	no
Cox6b1	72.00	58.49	-0.30	5.97E-01	no
Pom121l2	0.09	0.02	-1.99	5.97E-01	no
Zkscan14	5.36	7.02	0.39	5.97E-01	no
Rsph3a	8.08	10.28	0.35	5.97E-01	no
Snx30	28.54	33.27	0.22	5.97E-01	no
Fbxo10	1.28	1.75	0.45	5.97E-01	no
Gpatch4	18.71	15.31	-0.29	5.97E-01	no
Fads6	0.13	0.37	1.48	5.97E-01	no

Lctl	0.00	0.02	1.79769e+	5.97E-01	no
Zfp467	0.92	1.37	0.58	5.97E-01	no
Ysk4	0.48	0.71	0.57	5.97E-01	no
Atf2	24.52	21.14	-0.21	5.97E-01	no
2410002O22Ri	21.51	18.44	-0.22	5.97E-01	no
Gusb	24.66	20.63	-0.26	5.97E-01	no
Nudt12	0.62	0.97	0.64	5.98E-01	no
Myo9a	3.93	4.74	0.27	5.98E-01	no
Rpl8	358.28	307.68	-0.22	5.98E-01	no
Impa1	30.72	25.86	-0.25	5.98E-01	no
Acat2	19.01	15.54	-0.29	5.98E-01	no
Ints12	10.85	8.67	-0.32	5.98E-01	no
Tmem11	18.98	15.15	-0.33	5.98E-01	no
Vmn2r-ps14	3.96	3.01	-0.40	5.98E-01	no
Tnni2	1.25	2.00	0.68	5.98E-01	no
Rps16	439.10	377.16	-0.22	5.98E-01	no
Cd209a	0.14	0.35	1.37	5.98E-01	no
Pcgf1	5.44	7.55	0.47	5.98E-01	no
Hadh	22.25	26.95	0.28	5.98E-01	no
Eif4a2	107.94	94.03	-0.20	5.98E-01	no
Smu1	25.94	21.91	-0.24	5.98E-01	no
Atg9b	0.72	0.49	-0.57	5.98E-01	no
Zfp740	30.13	25.68	-0.23	5.98E-01	no
Pptc7	15.05	12.62	-0.25	5.98E-01	no
Rdbp	22.70	18.83	-0.27	5.98E-01	no
Il1b	0.21	0.43	1.03	5.98E-01	no
Abcf1	40.81	34.97	-0.22	5.98E-01	no
Stard7	44.92	38.44	-0.22	5.98E-01	no
Tmed1	11.65	9.03	-0.37	5.98E-01	no
Gnrh1	3.67	2.38	-0.62	5.98E-01	no
Nsmce4a	39.80	33.24	-0.26	5.99E-01	no
Rock1	29.34	25.15	-0.22	5.99E-01	no
Cobra1	35.72	30.40	-0.23	5.99E-01	no
Kcne1	0.13	0.02	-2.45	5.99E-01	no
Ddx20	20.66	17.20	-0.27	6.00E-01	no
Pprc1	19.39	16.54	-0.23	6.00E-01	no
Atmin	12.27	14.56	0.25	6.00E-01	no
BC032203	12.61	10.67	-0.24	6.00E-01	no
Smndc1	33.65	28.21	-0.25	6.01E-01	no
Setd2	31.63	27.17	-0.22	6.01E-01	no
Acsf3	11.41	9.11	-0.32	6.01E-01	no
Angptl1	0.28	0.13	-1.11	6.01E-01	no

Trpm2	0.10	0.16	0.73	6.01E-01	no
Rab6	23.99	20.34	-0.24	6.02E-01	no
Rrp15	18.03	14.31	-0.33	6.02E-01	no
Uqcrc2	48.88	41.48	-0.24	6.02E-01	no
Mrs2	21.13	17.38	-0.28	6.02E-01	no
Arrdc3	9.90	8.01	-0.30	6.02E-01	no
Sdc3	0.58	0.40	-0.56	6.02E-01	no
Psmb3	57.74	47.52	-0.28	6.02E-01	no
Cnst	16.60	14.03	-0.24	6.03E-01	no
Phgdh	7.92	10.09	0.35	6.03E-01	no
St8sia1	0.02	0.06	1.47	6.03E-01	no
Fuz	6.92	9.01	0.38	6.03E-01	no
A630072M18F	4.26	5.34	0.33	6.03E-01	no
Hist1h2ab	0.86	0.34	-1.33	6.03E-01	no
Dennd1b	11.99	13.80	0.20	6.03E-01	no
D17Wsu92e	35.34	30.74	-0.20	6.04E-01	no
Cox5b	109.51	92.17	-0.25	6.04E-01	no
Ube2w	15.95	12.77	-0.32	6.04E-01	no
Irf2	40.74	34.71	-0.23	6.04E-01	no
Rtf1	25.03	21.39	-0.23	6.04E-01	no
Prex1	22.99	19.73	-0.22	6.04E-01	no
Aagab	20.09	16.74	-0.26	6.04E-01	no
Nbn	12.94	10.48	-0.30	6.04E-01	no
Fam105b	15.73	19.45	0.31	6.04E-01	no
Vmac	4.85	6.38	0.39	6.04E-01	no
Parp12	5.01	6.44	0.36	6.04E-01	no
Rnf139	13.87	11.52	-0.27	6.05E-01	no
Mtmr4	19.92	17.01	-0.23	6.05E-01	no
Adam17	21.06	17.89	-0.24	6.05E-01	no
Armc6	7.49	5.80	-0.37	6.05E-01	no
Zfp942	9.54	11.78	0.30	6.05E-01	no
Acaa2	16.67	20.57	0.30	6.05E-01	no
Ap1g2	19.32	22.96	0.25	6.05E-01	no
X99384	0.15	0.08	-0.99	6.05E-01	no
Gm16379	89.48	74.21	-0.27	6.05E-01	no
6820408C15Ri	0.16	0.33	1.04	6.06E-01	no
Wipi2	23.30	19.82	-0.23	6.07E-01	no
Yap1	0.15	0.27	0.85	6.07E-01	no
Toe1	16.98	13.83	-0.30	6.07E-01	no
Capzb	101.83	88.23	-0.21	6.07E-01	no
Letm1	19.64	16.60	-0.24	6.07E-01	no
Tsc22d1	16.75	13.54	-0.31	6.07E-01	no

Baz1a	34.60	29.77	-0.22	6.08E-01	no
Apoa2	0.72	0.13	-2.42	6.08E-01	no
Hist1h2bb	1.55	0.82	-0.92	6.08E-01	no
Mrpl45	14.79	12.07	-0.29	6.08E-01	no
Zfp108	0.19	0.34	0.81	6.09E-01	no
Taok2	39.23	35.02	-0.16	6.09E-01	no
Al314180	35.81	30.81	-0.22	6.09E-01	no
Ddx46	36.49	31.40	-0.22	6.09E-01	no
Gps1	39.11	33.53	-0.22	6.09E-01	no
Eif2a	35.18	29.77	-0.24	6.09E-01	no
Mrpl3	27.04	22.23	-0.28	6.09E-01	no
Leo1	14.34	11.73	-0.29	6.09E-01	no
Tram2	9.13	6.98	-0.39	6.09E-01	no
Gm12034	23.08	17.33	-0.41	6.09E-01	no
Nab1	9.83	11.77	0.26	6.09E-01	no
Col5a1	0.04	0.01	-2.41	6.09E-01	no
Aldh1b1	13.42	16.31	0.28	6.09E-01	no
Tprgl	36.13	42.69	0.24	6.09E-01	no
Rai1	34.24	30.16	-0.18	6.09E-01	no
Atp8b3	0.03	0.08	1.62	6.09E-01	no
Lst1	1.39	2.43	0.81	6.09E-01	no
Rere	51.30	43.98	-0.22	6.10E-01	no
Psmc3	47.27	40.22	-0.23	6.10E-01	no
Fsip1	1.31	0.87	-0.59	6.10E-01	no
Zscan18	0.62	0.91	0.55	6.10E-01	no
Itgb1bp2	1.12	0.70	-0.66	6.10E-01	no
Tmub1	7.03	9.26	0.40	6.10E-01	no
Hnrnpl	96.76	83.30	-0.22	6.10E-01	no
Nt5dc1	8.22	10.35	0.33	6.10E-01	no
Btf3l4	14.28	11.66	-0.29	6.10E-01	no
Arrdc4	0.16	0.40	1.30	6.10E-01	no
Trip6	8.32	10.60	0.35	6.11E-01	no
Slc25a12	11.73	14.27	0.28	6.11E-01	no
Tmco1	8.97	7.34	-0.29	6.11E-01	no
Papolb	1.47	1.01	-0.54	6.11E-01	no
Smpd3	0.25	0.15	-0.72	6.11E-01	no
Gm10790	0.23	0.04	-2.41	6.11E-01	no
Ccdc124	32.79	26.71	-0.30	6.11E-01	no
Taf4a	17.83	15.14	-0.24	6.11E-01	no
Ankrd49	18.12	14.56	-0.31	6.12E-01	no
Foxn2	15.15	12.78	-0.25	6.12E-01	no
Rasl12	0.08	0.19	1.26	6.12E-01	no

Ppp1r12b	3.35	2.53	-0.40	6.12E-01	no
Prkab2	4.17	5.30	0.35	6.13E-01	no
Traf6	24.04	20.55	-0.23	6.13E-01	no
Alg9	7.02	8.89	0.34	6.13E-01	no
Mocos	0.08	0.19	1.18	6.13E-01	no
Ptpn9	7.20	8.83	0.29	6.13E-01	no
Rps21	138.36	115.47	-0.26	6.13E-01	no
Cenpo	11.77	9.81	-0.26	6.13E-01	no
Stim2	7.68	6.27	-0.29	6.13E-01	no
Med30	28.36	22.58	-0.33	6.13E-01	no
Acad8	5.16	6.64	0.36	6.13E-01	no
Scamp5	0.12	0.05	-1.38	6.14E-01	no
Gm684	9.18	6.93	-0.41	6.14E-01	no
Dstn	22.23	18.21	-0.29	6.15E-01	no
Pura	10.08	12.71	0.33	6.15E-01	no
Ankmy1	0.10	0.20	0.97	6.15E-01	no
Gsk3a	39.99	34.17	-0.23	6.15E-01	no
Dnrtip2	26.87	22.68	-0.24	6.15E-01	no
Slc11a2	22.82	19.75	-0.21	6.16E-01	no
Slc2a10	0.05	0.14	1.44	6.16E-01	no
Vps18	11.41	13.59	0.25	6.16E-01	no
Syt11	0.68	0.46	-0.55	6.16E-01	no
Whsc1l1	31.73	28.09	-0.18	6.16E-01	no
Clns1a	39.68	33.30	-0.25	6.16E-01	no
Tnrc18	28.57	25.20	-0.18	6.16E-01	no
Gm4951	0.08	0.20	1.33	6.16E-01	no
Fam71f2	0.32	0.59	0.91	6.16E-01	no
Dera	27.53	22.85	-0.27	6.16E-01	no
Tmem129	17.66	14.51	-0.28	6.16E-01	no
Slc22a3	0.02	0.12	2.36	6.17E-01	no
Tubb6	0.86	1.29	0.58	6.17E-01	no
AU041133	3.02	4.06	0.43	6.17E-01	no
BC030336	9.68	7.95	-0.28	6.17E-01	no
9330020H09Ri	1.80	1.30	-0.47	6.17E-01	no
Vezf1	32.41	27.84	-0.22	6.17E-01	no
Nxph4	0.22	0.04	-2.37	6.17E-01	no
Men1	38.91	34.42	-0.18	6.18E-01	no
Acvr2b	1.69	2.40	0.50	6.18E-01	no
Sp1	41.18	35.51	-0.21	6.18E-01	no
Rpn1	31.25	26.81	-0.22	6.18E-01	no
Tmprss9	0.12	0.05	-1.31	6.18E-01	no
Pir	0.12	0.30	1.36	6.19E-01	no

Rpl12	284.74	245.69	-0.21	6.19E-01	no
Copb2	39.43	33.81	-0.22	6.19E-01	no
Smarca5	16.61	14.07	-0.24	6.19E-01	no
Lpcat1	14.25	17.66	0.31	6.19E-01	no
Npr1	0.26	0.40	0.65	6.19E-01	no
Papd5	21.17	24.29	0.20	6.19E-01	no
Plxnb3	0.04	0.09	1.10	6.19E-01	no
Fbxl17	2.32	2.81	0.28	6.19E-01	no
Zcchc2	20.83	18.25	-0.19	6.19E-01	no
Lpcat4	4.05	2.99	-0.43	6.19E-01	no
1700084J12Ri	6.94	4.97	-0.48	6.19E-01	no
Pvr11	0.10	0.05	-1.10	6.19E-01	no
Lsm4	53.91	45.17	-0.26	6.20E-01	no
Ass1	12.93	16.02	0.31	6.20E-01	no
Gm2058	17.63	25.11	0.51	6.20E-01	no
Nkd2	2.64	3.52	0.42	6.20E-01	no
Acp2	2.94	3.78	0.36	6.20E-01	no
Foxred1	18.27	15.04	-0.28	6.20E-01	no
Rdh14	9.20	11.81	0.36	6.20E-01	no
Alg1	8.73	11.08	0.34	6.20E-01	no
Zfp758	8.31	10.37	0.32	6.20E-01	no
Zbtb4	3.07	3.80	0.31	6.20E-01	no
Med13	31.68	27.31	-0.21	6.20E-01	no
Mtmr12	15.69	13.27	-0.24	6.20E-01	no
Gprin3	1.42	0.98	-0.54	6.20E-01	no
Tacc1	34.25	30.42	-0.17	6.20E-01	no
Ing2	9.63	7.70	-0.32	6.20E-01	no
Macc1	0.09	0.19	1.07	6.20E-01	no
Pou4f1	0.10	0.20	0.95	6.20E-01	no
Plcb4	1.72	2.35	0.45	6.20E-01	no
Rtp4	8.60	11.10	0.37	6.20E-01	no
Bmp1	0.65	0.42	-0.61	6.20E-01	no
Eid1	14.87	18.01	0.28	6.21E-01	no
Vps41	14.16	16.93	0.26	6.21E-01	no
Xrcc1	31.62	26.92	-0.23	6.21E-01	no
Eif4e3	17.60	21.19	0.27	6.21E-01	no
Adora3	0.14	0.39	1.48	6.21E-01	no
Dcaf10	10.37	8.77	-0.24	6.21E-01	no
Nudt15	7.15	5.59	-0.36	6.21E-01	no
Myo5c	0.47	0.67	0.52	6.21E-01	no
Dnaja3	23.30	19.84	-0.23	6.21E-01	no
Mzt1	33.01	27.77	-0.25	6.21E-01	no

Stoml2	24.53	20.25	-0.28	6.21E-01	no
Cryl1	11.16	8.65	-0.37	6.21E-01	no
Slc29a3	5.15	6.34	0.30	6.22E-01	no
Snhg8	22.05	17.11	-0.37	6.22E-01	no
Cpne3	15.48	13.13	-0.24	6.22E-01	no
Lsm3	41.36	33.30	-0.31	6.22E-01	no
Large	0.67	0.97	0.53	6.22E-01	no
Golga1	7.09	8.63	0.28	6.22E-01	no
Stat1	21.89	25.49	0.22	6.22E-01	no
Fmo5	1.22	1.67	0.45	6.22E-01	no
Zfp639	15.31	12.50	-0.29	6.23E-01	no
Gm10474	0.49	0.30	-0.71	6.23E-01	no
Brd3	43.98	38.71	-0.18	6.23E-01	no
Pkd1	5.81	6.80	0.23	6.23E-01	no
Ttc9c	29.25	24.98	-0.23	6.23E-01	no
Myo10	2.07	1.62	-0.35	6.23E-01	no
Gbe1	7.01	8.83	0.33	6.23E-01	no
Nsg2	3.21	4.30	0.42	6.24E-01	no
Ccnjl	1.70	2.36	0.47	6.24E-01	no
Lsg1	20.10	16.78	-0.26	6.24E-01	no
Traf2	14.83	12.35	-0.26	6.24E-01	no
1190002H23Ri	9.25	6.89	-0.43	6.24E-01	no
Mrto4	28.68	23.18	-0.31	6.24E-01	no
Cox5a	69.66	58.04	-0.26	6.24E-01	no
Fam162a	25.14	19.60	-0.36	6.24E-01	no
4933407K13Ri	1.95	2.63	0.43	6.24E-01	no
Plxna1	5.00	5.95	0.25	6.24E-01	no
Ints8	23.80	20.55	-0.21	6.24E-01	no
Polr3b	17.05	14.53	-0.23	6.24E-01	no
C1qc	1.05	0.65	-0.70	6.24E-01	no
Hist1h4d	1.49	0.63	-1.25	6.24E-01	no
Abhd13	18.08	15.58	-0.21	6.24E-01	no
AI314976	21.87	17.52	-0.32	6.24E-01	no
Ppcdc	10.92	13.28	0.28	6.24E-01	no
Hist1h2bh	0.28	0.87	1.62	6.25E-01	no
Bbs4	3.88	5.06	0.38	6.25E-01	no
Pnpla6	8.09	9.66	0.25	6.25E-01	no
Lcat	1.26	0.82	-0.63	6.25E-01	no
Gtf2a1l	0.12	0.28	1.29	6.25E-01	no
Spaca1	0.37	0.70	0.92	6.25E-01	no
Aldoart1	5.22	6.81	0.38	6.25E-01	no
Lgi2	0.25	0.12	-1.14	6.25E-01	no

Snrnp70	68.18	58.72	-0.22	6.25E-01	no
Ttc37	9.14	7.62	-0.26	6.25E-01	no
Ube2z	24.57	21.04	-0.22	6.25E-01	no
Rnmtl1	7.02	5.33	-0.40	6.25E-01	no
Hspa5	100.08	89.59	-0.16	6.26E-01	no
Mrpl10	30.89	25.85	-0.26	6.26E-01	no
Zfyve27	9.88	11.55	0.22	6.26E-01	no
Cep78	16.38	13.56	-0.27	6.26E-01	no
Cep57	30.64	26.33	-0.22	6.27E-01	no
Zc3h15	50.07	42.89	-0.22	6.27E-01	no
Hspbap1	1.74	1.28	-0.44	6.27E-01	no
Fus	104.52	90.38	-0.21	6.27E-01	no
Rab11fip3	1.70	2.41	0.50	6.27E-01	no
4930404I05Rik	2.27	1.53	-0.57	6.27E-01	no
Zeb1	11.63	13.71	0.24	6.27E-01	no
Sart1	23.16	19.93	-0.22	6.27E-01	no
Casp3	31.38	25.98	-0.27	6.27E-01	no
Ccdc85b	3.54	2.73	-0.37	6.27E-01	no
Med18	7.90	6.03	-0.39	6.28E-01	no
Vps4a	21.73	18.12	-0.26	6.28E-01	no
Crot	15.39	18.46	0.26	6.28E-01	no
Mgst3	6.47	8.91	0.46	6.28E-01	no
Tfg	38.61	32.77	-0.24	6.28E-01	no
AY358078	3.00	2.14	-0.48	6.28E-01	no
Tekt2	0.20	0.04	-2.34	6.28E-01	no
Fam167a	7.68	9.29	0.27	6.28E-01	no
Fam20b	21.84	25.50	0.22	6.28E-01	no
Larp4b	32.52	28.06	-0.21	6.28E-01	no
Herc4	21.56	18.44	-0.23	6.28E-01	no
Polr3g	5.02	3.87	-0.37	6.28E-01	no
Kcnab1	0.07	0.18	1.33	6.28E-01	no
Gm9199	1.89	2.73	0.53	6.28E-01	no
Prdm10	6.19	4.91	-0.33	6.28E-01	no
Mkl1	23.57	20.68	-0.19	6.28E-01	no
Sec14l1	10.01	8.42	-0.25	6.28E-01	no
H2afj	22.24	18.40	-0.27	6.28E-01	no
Actr3b	2.14	1.48	-0.53	6.28E-01	no
Ccdc78	0.96	0.63	-0.60	6.28E-01	no
Tgfbr3	0.90	1.23	0.46	6.30E-01	no
Rps29	248.71	213.14	-0.22	6.30E-01	no
Tyms	17.07	14.41	-0.24	6.30E-01	no
Rsu1	18.10	22.22	0.30	6.30E-01	no

Mknk1	13.88	16.70	0.27	6.30E-01	no
Mtmr14	19.18	16.11	-0.25	6.30E-01	no
Arl6ip4	36.78	30.80	-0.26	6.30E-01	no
Mzf1	0.44	0.29	-0.62	6.30E-01	no
Heatr5a	8.59	7.29	-0.24	6.31E-01	no
Csnk1e	12.21	10.02	-0.28	6.31E-01	no
Akap5	0.63	0.44	-0.51	6.31E-01	no
Atp9b	12.97	15.30	0.24	6.31E-01	no
Car1	0.95	0.57	-0.75	6.31E-01	no
Ncr1	0.16	0.35	1.14	6.31E-01	no
BC049352	0.18	0.36	1.04	6.31E-01	no
Dynll1	35.96	30.50	-0.24	6.31E-01	no
Rg9mtd3	6.88	5.29	-0.38	6.31E-01	no
H2-M3	14.15	17.53	0.31	6.31E-01	no
Ccz1	29.38	24.62	-0.26	6.31E-01	no
Chic1	0.30	0.45	0.59	6.31E-01	no
Prr15	0.98	1.46	0.58	6.31E-01	no
Nvl	22.73	19.30	-0.24	6.31E-01	no
D3Erttd751e	7.89	6.43	-0.29	6.31E-01	no
Tpcn2	4.91	6.26	0.35	6.31E-01	no
Nop14	17.15	14.36	-0.26	6.31E-01	no
BC052040	7.61	6.03	-0.34	6.31E-01	no
AA619741	0.02	0.00	-1.79769e-	6.32E-01	no
Acot12	0.02	0.00	-1.79769e-	6.32E-01	no
BC021767	0.02	0.00	-1.79769e-	6.32E-01	no
Chrm4	0.01	0.00	-1.79769e-	6.32E-01	no
Clca2	0.01	0.00	-1.79769e-	6.32E-01	no
Ddc8	0.02	0.00	-1.79769e-	6.32E-01	no
Dlk2	0.03	0.00	-1.79769e-	6.32E-01	no
Hcn1	0.01	0.00	-1.79769e-	6.32E-01	no
Igf2as	0.01	0.00	-1.79769e-	6.32E-01	no
Mab2111	0.02	0.00	-1.79769e-	6.32E-01	no
Ndp	0.03	0.00	-1.79769e-	6.32E-01	no
Ndufa4l2	0.04	0.00	-1.79769e-	6.32E-01	no
Nudt10	0.03	0.00	-1.79769e-	6.32E-01	no
Nudt11	0.02	0.00	-1.79769e-	6.32E-01	no
Pnma3	0.01	0.00	-1.79769e-	6.32E-01	no
Rdh16	0.02	0.00	-1.79769e-	6.32E-01	no
Smok2b	0.03	0.00	-1.79769e-	6.32E-01	no
Sema4f	0.02	0.08	2.04	6.32E-01	no
Rgmb	0.06	0.17	1.50	6.32E-01	no
Tmem220	0.43	0.77	0.82	6.32E-01	no

Dgkg	0.09	0.16	0.79	6.32E-01	no
Col9a3	0.26	0.41	0.67	6.32E-01	no
Mettl7a2	0.65	1.01	0.63	6.32E-01	no
Cacna1a	0.22	0.32	0.55	6.32E-01	no
Hspb11	5.15	7.29	0.50	6.32E-01	no
Bnip3	9.93	12.59	0.34	6.32E-01	no
Ccdc125	10.46	12.69	0.28	6.32E-01	no
2010001M09R	94.68	110.48	0.22	6.32E-01	no
Ap2b1	40.06	35.54	-0.17	6.32E-01	no
Cpsf1	34.02	30.10	-0.18	6.32E-01	no
Prpf40a	45.13	39.00	-0.21	6.32E-01	no
Glg1	24.11	20.69	-0.22	6.32E-01	no
Nop2	24.76	21.05	-0.23	6.32E-01	no
Cox4nb	13.39	11.36	-0.24	6.32E-01	no
Ubac2	25.62	21.55	-0.25	6.32E-01	no
Glo1	25.56	21.34	-0.26	6.32E-01	no
Slc15a4	18.10	15.11	-0.26	6.32E-01	no
Socs4	23.68	19.72	-0.26	6.32E-01	no
Calcr1	10.76	8.90	-0.27	6.32E-01	no
Ppp2r3c	12.40	10.02	-0.31	6.32E-01	no
Taf11	19.97	16.11	-0.31	6.32E-01	no
Coq6	14.02	11.20	-0.32	6.32E-01	no
Per2	2.76	2.17	-0.35	6.32E-01	no
Lpxn	6.59	4.99	-0.40	6.32E-01	no
Gadd45b	6.24	4.65	-0.43	6.32E-01	no
Tomt	4.82	3.54	-0.44	6.32E-01	no
Serpinc1	0.19	0.07	-1.53	6.32E-01	no
Rgnf	0.06	0.11	0.91	6.32E-01	no
Tmem8	4.63	5.84	0.34	6.32E-01	no
Tns3	10.91	12.74	0.22	6.32E-01	no
Fam160b1	18.57	21.61	0.22	6.32E-01	no
Slc9a3r1	47.75	41.04	-0.22	6.32E-01	no
Etfa	33.88	28.34	-0.26	6.32E-01	no
Rbm4b	21.06	17.37	-0.28	6.32E-01	no
Rqcd1	40.31	30.48	-0.40	6.32E-01	no
Pdlim3	0.21	0.04	-2.31	6.32E-01	no
Ctnnb1	15.49	12.94	-0.26	6.32E-01	no
6330577E15Ri	39.87	33.78	-0.24	6.32E-01	no
Ddx23	36.68	31.62	-0.21	6.32E-01	no
Pdzrn4	0.00	0.02	1.79769e+	6.32E-01	no
Nags	0.04	0.00	-1.79769e-	6.32E-01	no
Il1rl2	0.96	1.41	0.56	6.32E-01	no

Lrsam1	2.91	3.73	0.35	6.32E-01	no
Hmgcll1	9.75	11.85	0.28	6.32E-01	no
Cep63	10.01	12.14	0.28	6.32E-01	no
F13a1	11.85	13.98	0.24	6.32E-01	no
Rbpj	10.11	11.88	0.23	6.32E-01	no
Smap2	36.97	42.92	0.22	6.32E-01	no
1110028C15Ri	41.07	46.02	0.16	6.32E-01	no
Arid1b	24.59	21.30	-0.21	6.32E-01	no
Wdr91	16.83	14.09	-0.26	6.32E-01	no
Eny2	12.85	10.35	-0.31	6.32E-01	no
Prr22	1.27	0.84	-0.59	6.32E-01	no
Plekhh1	1.85	0.36	-2.37	6.32E-01	no
1500011H22Ri	26.13	21.08	-0.31	6.32E-01	no
Srsf9	45.53	38.49	-0.24	6.33E-01	no
Ccnt1	23.16	19.45	-0.25	6.33E-01	no
Zfp771	16.44	13.08	-0.33	6.33E-01	no
Scml2	0.52	0.74	0.52	6.33E-01	no
Bccip	36.53	30.53	-0.26	6.33E-01	no
Mageb3	0.21	0.10	-1.11	6.33E-01	no
Nrsn2	0.00	0.03	1.79769e+	6.33E-01	no
Gcap14	10.84	9.32	-0.22	6.33E-01	no
Ncln	30.37	26.09	-0.22	6.33E-01	no
Ttc1	19.71	15.99	-0.30	6.33E-01	no
Rbm11	0.30	0.50	0.73	6.34E-01	no
Pafah1b2	28.87	24.84	-0.22	6.34E-01	no
Bat1a	111.37	96.63	-0.20	6.34E-01	no
BC024814	3.38	4.59	0.44	6.34E-01	no
Yy2	8.41	6.67	-0.33	6.34E-01	no
Gm14207	0.00	0.04	1.79769e+	6.34E-01	no
Eid2	0.28	0.53	0.92	6.34E-01	no
Dock7	3.95	4.83	0.29	6.34E-01	no
Gna14	0.05	0.14	1.49	6.34E-01	no
Fam13b	20.54	24.05	0.23	6.34E-01	no
Eif2b4	17.57	14.61	-0.27	6.34E-01	no
2510003E04Ri	13.14	10.78	-0.29	6.34E-01	no
Aif1l	0.16	0.07	-1.10	6.34E-01	no
Mphosph6	15.00	11.67	-0.36	6.34E-01	no
Spsb1	0.59	0.87	0.57	6.34E-01	no
Zfp354a	0.28	0.17	-0.71	6.34E-01	no
Ccndbp1	17.62	21.46	0.28	6.35E-01	no
Galnt3	0.40	0.25	-0.71	6.35E-01	no
2810055F11Ri	0.10	0.28	1.40	6.35E-01	no

Nif3l1	9.95	7.91	-0.33	6.35E-01	no
Fam82b	2.92	3.97	0.44	6.35E-01	no
Fgf7	0.06	0.16	1.39	6.35E-01	no
Qars	40.57	35.19	-0.21	6.35E-01	no
Lrmp	156.58	135.64	-0.21	6.35E-01	no
Cyp2t4	0.25	0.46	0.89	6.36E-01	no
Tmem180	10.11	12.47	0.30	6.36E-01	no
Inpp5k	24.06	28.17	0.23	6.36E-01	no
2010107G12Ri	0.65	0.97	0.58	6.36E-01	no
Lrrc29	1.28	1.81	0.50	6.37E-01	no
Al462493	16.49	20.84	0.34	6.37E-01	no
Stag2	59.79	52.98	-0.17	6.37E-01	no
Zfp706	85.71	74.37	-0.20	6.37E-01	no
1300001I01Rik	24.38	21.12	-0.21	6.37E-01	no
Dcp1a	21.53	18.58	-0.21	6.37E-01	no
Tmem209	19.01	16.08	-0.24	6.37E-01	no
Sucla2	23.24	19.41	-0.26	6.37E-01	no
Pdhx	11.83	9.61	-0.30	6.37E-01	no
1700003F12Ri	0.81	0.43	-0.93	6.37E-01	no
Podxl2	0.20	0.08	-1.22	6.37E-01	no
Zfp938	4.30	5.70	0.41	6.37E-01	no
Gab1	4.10	5.10	0.31	6.37E-01	no
Akirin2	30.93	25.98	-0.25	6.37E-01	no
Mfap1a	35.20	30.40	-0.21	6.37E-01	no
Metap2	29.82	25.81	-0.21	6.37E-01	no
Gm6548	22.33	18.66	-0.26	6.37E-01	no
Cyb5r3	13.67	11.17	-0.29	6.37E-01	no
Cyp26a1	0.19	0.06	-1.65	6.37E-01	no
Tyro3	0.31	0.20	-0.66	6.38E-01	no
Dnalc1	1.26	1.68	0.41	6.38E-01	no
Fxr1	43.55	37.22	-0.23	6.38E-01	no
Slc35b4	17.01	14.40	-0.24	6.38E-01	no
Ccnd1	1.62	2.18	0.43	6.39E-01	no
Avpr2	1.91	2.66	0.48	6.39E-01	no
6330545A04Ri	2.62	1.80	-0.54	6.39E-01	no
Lrch1	12.62	14.82	0.23	6.39E-01	no
Plod1	1.08	0.77	-0.49	6.39E-01	no
G0s2	0.46	0.84	0.85	6.40E-01	no
Zbtb12	16.13	13.25	-0.28	6.40E-01	no
Acap1	46.11	39.88	-0.21	6.40E-01	no
Mettl6	22.76	18.97	-0.26	6.40E-01	no
Trmt61a	10.62	8.69	-0.29	6.41E-01	no

Gm10391	0.00	0.05	1.79769e+	6.41E-01	no
Rab39b	0.17	0.07	-1.21	6.41E-01	no
Usp7	45.46	52.37	0.20	6.42E-01	no
Zdhhc5	23.87	20.60	-0.21	6.42E-01	no
Tomm7	25.31	20.41	-0.31	6.42E-01	no
Klk8	2.72	3.75	0.46	6.42E-01	no
Panx1	20.43	24.28	0.25	6.42E-01	no
Lmbr1	0.58	0.81	0.50	6.42E-01	no
Uqcr11	56.68	45.89	-0.30	6.42E-01	no
Mex3d	3.78	4.80	0.35	6.42E-01	no
Cpsf3	27.05	23.10	-0.23	6.42E-01	no
Usp31	6.07	5.14	-0.24	6.42E-01	no
Tbl1xr1	20.38	17.65	-0.21	6.42E-01	no
Rbm33	26.19	22.75	-0.20	6.42E-01	no
Rab14	54.05	46.82	-0.21	6.42E-01	no
Mtmr6	16.99	19.93	0.23	6.43E-01	no
Cables2	19.19	16.24	-0.24	6.43E-01	no
Zfp365	0.33	0.21	-0.65	6.43E-01	no
Micall1	5.98	7.09	0.25	6.43E-01	no
Ssna1	49.86	41.92	-0.25	6.43E-01	no
Sla2	1.48	8.64	2.55	6.43E-01	no
Ppcs	7.82	10.04	0.36	6.43E-01	no
Mnda	8.92	11.25	0.34	6.43E-01	no
Glud1	36.83	31.82	-0.21	6.43E-01	no
1810026J23RiI	22.92	19.55	-0.23	6.43E-01	no
Aen	19.85	16.91	-0.23	6.43E-01	no
Rhag	0.21	0.08	-1.48	6.43E-01	no
Dqx1	2.27	2.99	0.40	6.44E-01	no
Lage3	24.42	19.48	-0.33	6.44E-01	no
Ppp3cb	42.03	36.40	-0.21	6.44E-01	no
Ctss	21.50	26.09	0.28	6.45E-01	no
Myd88	15.64	18.84	0.27	6.45E-01	no
Sdccag1	20.93	17.92	-0.22	6.45E-01	no
Nip7	14.77	12.42	-0.25	6.45E-01	no
Gm10094	53.47	44.70	-0.26	6.45E-01	no
Gnpnat1	7.73	6.06	-0.35	6.45E-01	no
Aqp11	0.33	0.14	-1.24	6.45E-01	no
1700084E18Ri	0.72	1.41	0.97	6.45E-01	no
Spice1	7.87	6.48	-0.28	6.45E-01	no
Stard5	5.09	3.90	-0.38	6.45E-01	no
Mylpf	5.11	6.96	0.45	6.45E-01	no
Pim1	42.60	49.58	0.22	6.45E-01	no

Acly	50.11	44.98	-0.16	6.45E-01	no
Cd2ap	19.44	16.71	-0.22	6.45E-01	no
Klhl11	11.20	9.10	-0.30	6.45E-01	no
Adat1	4.08	3.16	-0.37	6.45E-01	no
Zc3h7a	37.81	33.45	-0.18	6.45E-01	no
Prkar2b	4.80	3.73	-0.36	6.45E-01	no
Hist2h3c1	1.71	0.84	-1.03	6.46E-01	no
Mrpl36	36.39	29.87	-0.29	6.46E-01	no
Mrps12	25.32	20.08	-0.33	6.46E-01	no
Doc2a	6.01	4.73	-0.35	6.46E-01	no
Abca1	2.81	3.42	0.28	6.46E-01	no
Cxxc1	36.78	31.77	-0.21	6.46E-01	no
Abl2	14.88	13.25	-0.17	6.46E-01	no
Zbed3	29.06	24.62	-0.24	6.46E-01	no
1700008J07Ril	5.91	4.59	-0.36	6.46E-01	no
lqcd	0.73	0.47	-0.63	6.46E-01	no
Morn4	0.14	0.04	-1.77	6.46E-01	no
Tmem63b	6.20	7.66	0.30	6.46E-01	no
A830082N09R	0.49	0.83	0.74	6.46E-01	no
Dusp15	0.23	0.07	-1.78	6.46E-01	no
Arl8b	33.32	38.65	0.21	6.46E-01	no
Lipm	0.00	0.02	1.79769e+	6.47E-01	no
1700019L03Ril	0.13	0.26	1.06	6.47E-01	no
Tppp3	0.46	0.77	0.75	6.47E-01	no
Cdk5	8.25	10.29	0.32	6.47E-01	no
D630045J12Ril	2.18	2.66	0.29	6.47E-01	no
Zfhx2	3.98	4.74	0.25	6.47E-01	no
Fam179b	10.20	11.93	0.23	6.47E-01	no
Ogfr	27.07	31.47	0.22	6.47E-01	no
Cnot6	54.47	47.22	-0.21	6.47E-01	no
Ythdf1	33.03	28.51	-0.21	6.47E-01	no
Zfp828	18.76	16.08	-0.22	6.47E-01	no
Cops2	27.18	23.28	-0.22	6.47E-01	no
Slc35e3	16.59	14.02	-0.24	6.47E-01	no
Snrpd3	57.67	47.82	-0.27	6.47E-01	no
Ttc27	12.30	10.15	-0.28	6.47E-01	no
Znhit3	12.56	9.69	-0.37	6.47E-01	no
B230118H07Ril	2.48	1.79	-0.47	6.47E-01	no
H19	0.15	0.06	-1.23	6.47E-01	no
Ireb2	31.94	27.73	-0.20	6.47E-01	no
Guk1	14.88	11.76	-0.34	6.47E-01	no
Dhx37	17.62	20.46	0.22	6.47E-01	no

Bbx	11.44	13.27	0.21	6.47E-01	no
Tuba8	0.40	0.19	-1.04	6.47E-01	no
Ncoa1	7.76	9.09	0.23	6.47E-01	no
Ccdc28a	5.01	6.68	0.41	6.48E-01	no
Cyp4f18	10.97	13.61	0.31	6.48E-01	no
Sec24d	2.29	2.97	0.38	6.48E-01	no
Grk6	61.82	55.64	-0.15	6.48E-01	no
Rps20	697.31	606.61	-0.20	6.48E-01	no
Atp5d	62.22	52.98	-0.23	6.48E-01	no
Orai3	15.79	12.96	-0.28	6.48E-01	no
Fancl	12.62	10.07	-0.33	6.48E-01	no
Akap17b	2.61	2.04	-0.35	6.48E-01	no
Mdga1	0.02	0.05	1.37	6.48E-01	no
Fbxo31	7.74	6.08	-0.35	6.48E-01	no
Tm6sf1	21.07	25.06	0.25	6.49E-01	no
Zfp598	27.02	23.32	-0.21	6.49E-01	no
4930563E22Ri	0.23	0.37	0.69	6.49E-01	no
Zfp764	5.75	7.21	0.32	6.49E-01	no
Slc14a1	5.65	4.55	-0.31	6.49E-01	no
AW549877	25.78	29.78	0.21	6.49E-01	no
Srl	4.05	3.25	-0.32	6.49E-01	no
Kif13b	7.42	8.77	0.24	6.50E-01	no
Serpine2	0.24	0.11	-1.18	6.50E-01	no
Sh3glb2	17.64	21.10	0.26	6.50E-01	no
Stat2	15.30	17.80	0.22	6.50E-01	no
Zxda	3.30	4.07	0.30	6.50E-01	no
Mrpl40	21.72	17.65	-0.30	6.50E-01	no
Gm15760	1.58	1.16	-0.44	6.50E-01	no
Tomm22	68.14	58.27	-0.23	6.51E-01	no
Ccar1	36.96	32.15	-0.20	6.51E-01	no
AV249152	3.77	2.87	-0.40	6.51E-01	no
Lrrc61	10.92	13.05	0.26	6.51E-01	no
A530098C11Ri	0.06	0.25	1.95	6.51E-01	no
Bet1l	9.06	11.40	0.33	6.51E-01	no
Cast	11.58	13.85	0.26	6.51E-01	no
Wac	29.53	26.07	-0.18	6.51E-01	no
Dip2b	16.76	14.76	-0.18	6.51E-01	no
Coq5	14.48	11.90	-0.28	6.51E-01	no
Prpf8	66.68	57.82	-0.21	6.51E-01	no
D1Bwg0212e	18.63	15.82	-0.24	6.51E-01	no
Gm711	0.19	0.34	0.84	6.51E-01	no
Arid2	31.01	27.00	-0.20	6.52E-01	no

Wbp2nl	0.29	0.10	-1.46	6.52E-01	no
1810024B03Ri	0.35	0.13	-1.46	6.52E-01	no
Cox7b	42.36	35.24	-0.27	6.52E-01	no
Etv4	0.20	0.10	-1.04	6.52E-01	no
Fpr1	0.07	0.32	2.22	6.52E-01	no
Capza1	172.34	149.51	-0.21	6.52E-01	no
Tmem50b	16.28	13.41	-0.28	6.52E-01	no
Polr2j	44.09	35.97	-0.29	6.52E-01	no
Mrpl39	25.32	20.56	-0.30	6.52E-01	no
Myadml2	0.87	0.59	-0.56	6.52E-01	no
AK129341	0.11	0.04	-1.46	6.52E-01	no
Foxo6	0.24	0.14	-0.84	6.52E-01	no
Grb2	52.88	45.92	-0.20	6.52E-01	no
Ddx51	10.08	8.49	-0.25	6.52E-01	no
Ppp1r13l	1.37	1.00	-0.45	6.52E-01	no
N4bp3	18.23	21.43	0.23	6.52E-01	no
Ewsr1	110.67	96.48	-0.20	6.52E-01	no
Ubqln4	25.87	22.34	-0.21	6.52E-01	no
Psmb5	89.82	77.26	-0.22	6.52E-01	no
Lrp5	8.31	9.80	0.24	6.52E-01	no
Arid1a	56.88	49.32	-0.21	6.52E-01	no
Smo	2.09	2.72	0.38	6.53E-01	no
Stfa2l1	0.25	0.96	1.95	6.53E-01	no
Mtmr3	30.31	34.80	0.20	6.53E-01	no
Vkorc1l1	11.12	8.64	-0.37	6.53E-01	no
Pde12	15.29	12.94	-0.24	6.53E-01	no
Senp3	37.68	33.06	-0.19	6.53E-01	no
Rnf122	2.03	2.68	0.40	6.53E-01	no
Rgag4	5.75	6.91	0.26	6.53E-01	no
Ddb1	69.25	60.39	-0.20	6.53E-01	no
Psmd5	23.18	19.48	-0.25	6.53E-01	no
Id2	2.78	1.97	-0.50	6.53E-01	no
Ppp4r4	0.12	0.05	-1.24	6.53E-01	no
Plk3	0.72	0.48	-0.58	6.54E-01	no
2810047C21Ri	0.18	0.36	0.99	6.54E-01	no
Rsl1	5.49	7.09	0.37	6.54E-01	no
Tmprss4	0.37	0.58	0.66	6.54E-01	no
3000002C10Ri	1.37	1.97	0.53	6.54E-01	no
Blzf1	6.16	5.00	-0.30	6.54E-01	no
Ppm1l	1.93	2.52	0.39	6.54E-01	no
Hyal2	4.01	5.23	0.38	6.54E-01	no
Sugp2	22.65	19.96	-0.18	6.55E-01	no

Setd5	40.16	35.03	-0.20	6.56E-01	no
Rbm27	18.94	16.40	-0.21	6.56E-01	no
Mpi	11.57	9.28	-0.32	6.56E-01	no
Nos3	0.00	0.01	1.79769e+	6.56E-01	no
Tmem195	0.11	0.27	1.26	6.56E-01	no
Tnfsf9	1.54	2.21	0.53	6.56E-01	no
Arl5c	57.07	65.93	0.21	6.56E-01	no
Dhdh	2.44	1.83	-0.42	6.56E-01	no
Spsb4	1.20	0.84	-0.52	6.56E-01	no
Gnb5	0.43	0.71	0.74	6.56E-01	no
4833413D08Ri	0.00	0.02	1.79769e+	6.56E-01	no
4930444G20Ri	0.00	0.02	1.79769e+	6.56E-01	no
5430413K10Ri	0.00	0.02	1.79769e+	6.56E-01	no
AF366264	0.00	0.01	1.79769e+	6.56E-01	no
Apol10a	0.00	0.01	1.79769e+	6.56E-01	no
BC026782	0.00	0.03	1.79769e+	6.56E-01	no
BC100530	0.00	0.08	1.79769e+	6.56E-01	no
Cyp2j7-ps	0.00	0.02	1.79769e+	6.56E-01	no
E130114P18Ri	0.00	0.04	1.79769e+	6.56E-01	no
Fbxw14	0.00	0.03	1.79769e+	6.56E-01	no
Ivl	0.00	0.01	1.79769e+	6.56E-01	no
Kctd19	0.00	0.01	1.79769e+	6.56E-01	no
Klra6	0.00	0.03	1.79769e+	6.56E-01	no
L1td1	0.00	0.01	1.79769e+	6.56E-01	no
Nlrp2	0.00	0.01	1.79769e+	6.56E-01	no
Prl2c2	0.00	0.05	1.79769e+	6.56E-01	no
Psapl1	0.00	0.01	1.79769e+	6.56E-01	no
Pzp	0.00	0.01	1.79769e+	6.56E-01	no
Serpina1a	0.00	0.02	1.79769e+	6.56E-01	no
Serpina1c	0.00	0.02	1.79769e+	6.56E-01	no
Vmn2r2	0.00	0.02	1.79769e+	6.56E-01	no
Zfp819	0.00	0.01	1.79769e+	6.56E-01	no
Cd200r2	0.00	0.02	1.79769e+	6.56E-01	no
Pramel5	0.00	0.02	1.79769e+	6.56E-01	no
1700013N18Ri	0.00	0.03	1.79769e+	6.56E-01	no
1700108J01Ri	0.00	0.09	1.79769e+	6.56E-01	no
4933407L21Ri	0.00	0.03	1.79769e+	6.56E-01	no
4933415F23Ri	0.00	0.02	1.79769e+	6.56E-01	no
4933439F11Ri	0.00	0.02	1.79769e+	6.56E-01	no
Ccdc144b	0.00	0.02	1.79769e+	6.56E-01	no
Dkk1	0.00	0.02	1.79769e+	6.56E-01	no
Fam166b	0.00	0.03	1.79769e+	6.56E-01	no

Gm14461	0.00	0.02	1.79769e+	6.56E-01	no
Gm9961	0.00	0.08	1.79769e+	6.56E-01	no
Ifnk	0.00	0.05	1.79769e+	6.56E-01	no
Nr2e3	0.00	0.02	1.79769e+	6.56E-01	no
Oxct2a	0.00	0.02	1.79769e+	6.56E-01	no
Pou5f1	0.00	0.03	1.79769e+	6.56E-01	no
Syt1	0.00	0.01	1.79769e+	6.56E-01	no
Tll2	0.00	0.02	1.79769e+	6.56E-01	no
Usp9y	0.00	0.00	1.79769e+	6.56E-01	no
Khdc1a	0.02	0.00	-1.79769e-	6.56E-01	no
Khdc1c	0.05	0.00	-1.79769e-	6.56E-01	no
Klra14	0.05	0.00	-1.79769e-	6.56E-01	no
St18	0.01	0.06	2.17	6.56E-01	no
Gm14164	0.05	0.19	1.92	6.56E-01	no
Camk2n1	0.03	0.11	1.92	6.56E-01	no
Glp1r	0.05	0.18	1.91	6.56E-01	no
Vmn2r29	0.09	0.23	1.30	6.56E-01	no
Ccr10	0.14	0.30	1.12	6.56E-01	no
Slc11a1	0.17	0.32	0.88	6.56E-01	no
Nxf2	0.24	0.40	0.74	6.56E-01	no
Cypr1	0.33	0.54	0.70	6.56E-01	no
Asap3	0.11	0.18	0.68	6.56E-01	no
Egfl8	0.70	1.08	0.62	6.56E-01	no
Dock3	0.10	0.16	0.62	6.56E-01	no
Stox1	0.40	0.60	0.57	6.56E-01	no
Cml1	1.46	2.11	0.54	6.56E-01	no
Smarcd3	0.83	1.20	0.53	6.56E-01	no
F2rl3	1.14	1.63	0.51	6.56E-01	no
Plod2	1.03	1.44	0.49	6.56E-01	no
2310030N02Ri	5.45	7.20	0.40	6.56E-01	no
Mmaa	2.28	3.01	0.40	6.56E-01	no
Ctbs	3.24	4.25	0.39	6.56E-01	no
1110067D22Ri	2.89	3.73	0.37	6.56E-01	no
Lrp1	0.68	0.87	0.35	6.56E-01	no
Zkscan6	6.72	8.35	0.31	6.56E-01	no
Gpr137	8.29	10.27	0.31	6.56E-01	no
H2-Ke6	17.85	22.03	0.30	6.56E-01	no
Plekham3	3.27	3.95	0.28	6.56E-01	no
Plekha5	4.67	5.65	0.28	6.56E-01	no
Txlng	8.03	9.67	0.27	6.56E-01	no
Trappc3	22.46	27.00	0.27	6.56E-01	no
AW555464	4.15	4.98	0.26	6.56E-01	no

Tmem87b	8.18	9.78	0.26	6.56E-01	no
Acads	18.72	22.24	0.25	6.56E-01	no
Mndal	52.47	60.53	0.21	6.56E-01	no
Malat1	59.24	68.26	0.20	6.56E-01	no
4932438A13Ri	17.04	19.55	0.20	6.56E-01	no
Shc1	39.46	34.81	-0.18	6.56E-01	no
Itch	23.05	20.30	-0.18	6.56E-01	no
5830417110Rik	16.33	14.25	-0.20	6.56E-01	no
Preli1	133.35	116.28	-0.20	6.56E-01	no
Itpr3	22.08	19.24	-0.20	6.56E-01	no
Thrap3	84.63	73.67	-0.20	6.56E-01	no
Cnot3	38.64	33.62	-0.20	6.56E-01	no
Ssr3	56.85	49.45	-0.20	6.56E-01	no
Tmsb4x	228.47	198.63	-0.20	6.56E-01	no
Neurl4	19.75	17.15	-0.20	6.56E-01	no
Tmem167	11.13	9.65	-0.21	6.56E-01	no
Rab1	39.60	34.26	-0.21	6.56E-01	no
Rars	33.85	29.10	-0.22	6.56E-01	no
Heatr6	13.30	11.43	-0.22	6.56E-01	no
5430437P03Ri	33.56	28.60	-0.23	6.56E-01	no
Plrg1	30.80	26.18	-0.23	6.56E-01	no
Ddx56	16.11	13.69	-0.23	6.56E-01	no
Wdr61	31.01	26.24	-0.24	6.56E-01	no
Ift172	8.47	7.16	-0.24	6.56E-01	no
Glrx	40.74	34.40	-0.24	6.56E-01	no
Ssr2	36.51	30.71	-0.25	6.56E-01	no
Pcid2	17.90	15.05	-0.25	6.56E-01	no
2610024G14Ri	15.58	12.99	-0.26	6.56E-01	no
Cyp51	9.02	7.50	-0.27	6.56E-01	no
Xylt1	10.58	8.80	-0.27	6.56E-01	no
Mbtps2	8.24	6.81	-0.27	6.56E-01	no
Uqcrq	56.88	46.67	-0.29	6.56E-01	no
Tsfm	20.48	16.72	-0.29	6.56E-01	no
Gm3414	3.38	2.73	-0.31	6.56E-01	no
Zfp595	5.58	4.45	-0.33	6.56E-01	no
Dscc1	13.04	10.37	-0.33	6.56E-01	no
Tmem29	8.27	6.46	-0.36	6.56E-01	no
Wrb	5.74	4.47	-0.36	6.56E-01	no
Zc3h8	7.81	6.07	-0.36	6.56E-01	no
Pdss1	7.63	5.91	-0.37	6.56E-01	no
Stx1a	4.18	3.21	-0.38	6.56E-01	no
Arsk	3.14	2.40	-0.39	6.56E-01	no

Fcgr3	2.25	1.60	-0.49	6.56E-01	no
Phyhd1	1.82	1.25	-0.54	6.56E-01	no
Ppia	2.97	2.04	-0.54	6.56E-01	no
Gdpd5	0.34	0.22	-0.62	6.56E-01	no
Alk	0.08	0.04	-1.02	6.56E-01	no
Gm9159	0.23	0.10	-1.24	6.56E-01	no
A430110N23R	0.07	0.03	-1.45	6.56E-01	no
Gm6583	0.12	0.04	-1.60	6.56E-01	no
Sap30l	12.84	15.64	0.28	6.56E-01	no
Sec63	33.00	28.78	-0.20	6.56E-01	no
Rer1	34.98	29.56	-0.24	6.56E-01	no
Dcxr	4.98	6.65	0.42	6.56E-01	no
Map1lc3a	5.68	7.51	0.40	6.56E-01	no
Ino80	18.80	16.34	-0.20	6.56E-01	no
Dcaf15	28.92	24.88	-0.22	6.56E-01	no
Nfkbil1	9.77	12.13	0.31	6.57E-01	no
Gpaa1	23.54	19.94	-0.24	6.57E-01	no
Zswim6	2.77	2.18	-0.35	6.57E-01	no
Vash2	0.49	0.73	0.58	6.57E-01	no
4933439C10Ri	34.06	39.53	0.21	6.57E-01	no
Adrm1	54.80	47.39	-0.21	6.57E-01	no
Cetn3	35.10	29.02	-0.27	6.57E-01	no
Abcg4	0.27	0.17	-0.68	6.57E-01	no
Zc3h12c	1.85	2.39	0.36	6.57E-01	no
Suv420h2	33.64	29.30	-0.20	6.57E-01	no
Mtap7d1	14.63	12.60	-0.22	6.57E-01	no
Psmc2	30.33	25.85	-0.23	6.57E-01	no
Srgap3	0.76	0.57	-0.41	6.57E-01	no
Bbs5	1.55	1.05	-0.56	6.57E-01	no
Zfp870	3.28	2.60	-0.34	6.57E-01	no
Gmeb1	12.51	10.87	-0.20	6.57E-01	no
Akr1c12	0.37	0.64	0.79	6.58E-01	no
Jmjd1c	24.29	27.83	0.20	6.58E-01	no
8430410K20Ri	8.70	10.60	0.28	6.58E-01	no
Fads2	16.70	13.57	-0.30	6.58E-01	no
Dhdds	20.51	17.58	-0.22	6.58E-01	no
Stk30	0.40	0.22	-0.84	6.58E-01	no
Hormad2	0.26	0.06	-2.20	6.58E-01	no
Cox15	13.58	11.62	-0.23	6.58E-01	no
Zdhhc15	2.90	2.28	-0.35	6.58E-01	no
Eif4h	101.06	88.44	-0.19	6.58E-01	no
Gm514	0.21	0.07	-1.57	6.59E-01	no

Jak2	13.39	15.45	0.21	6.59E-01	no
Ndufb9	51.51	42.90	-0.26	6.59E-01	no
Prdm9	6.29	5.09	-0.31	6.59E-01	no
Ehhadh	3.11	4.00	0.37	6.59E-01	no
L3mbtl	0.11	0.04	-1.54	6.59E-01	no
Cercam	2.87	2.18	-0.40	6.60E-01	no
Wisp3	1.54	1.08	-0.52	6.60E-01	no
Nedd8	62.71	52.66	-0.25	6.60E-01	no
Psme1	46.99	54.97	0.23	6.60E-01	no
Ppp1r10	21.60	19.00	-0.19	6.60E-01	no
Pdcl	22.91	19.54	-0.23	6.60E-01	no
1700029J11Ril	1.29	0.76	-0.76	6.60E-01	no
Stampb	8.44	10.43	0.31	6.60E-01	no
Snrpb	88.67	77.13	-0.20	6.60E-01	no
Ndufb11	71.01	60.82	-0.22	6.61E-01	no
Arhgdia	86.84	76.05	-0.19	6.61E-01	no
Paf1	28.10	24.05	-0.22	6.61E-01	no
Ccdc109a	6.87	5.29	-0.38	6.61E-01	no
Tctn3	4.88	6.12	0.33	6.61E-01	no
Mrpl47	16.46	12.98	-0.34	6.61E-01	no
Snap23	15.75	18.78	0.25	6.61E-01	no
Ccdc50	29.46	26.04	-0.18	6.61E-01	no
Csdc2	0.31	0.18	-0.75	6.61E-01	no
Sf3b3	57.47	50.33	-0.19	6.61E-01	no
Prkrir	25.47	22.02	-0.21	6.61E-01	no
Wdr78	2.06	1.56	-0.40	6.62E-01	no
A630007B06Ri	7.15	5.77	-0.31	6.62E-01	no
Hmgb1-rs17	0.02	0.26	3.44	6.62E-01	no
2210015D19Ri	3.16	2.36	-0.42	6.62E-01	no
Rg9mtd1	18.05	14.94	-0.27	6.62E-01	no
Nbea	0.03	0.06	0.88	6.62E-01	no
Terf2	31.92	28.13	-0.18	6.63E-01	no
Zfp667	2.66	3.43	0.36	6.63E-01	no
Wdr7	6.12	7.21	0.24	6.63E-01	no
Snhg7	9.58	7.24	-0.40	6.63E-01	no
Capza2	64.73	56.30	-0.20	6.63E-01	no
Gm5424	23.56	27.80	0.24	6.64E-01	no
4833439L19Ril	31.96	27.65	-0.21	6.64E-01	no
Tnrc6c	20.72	23.67	0.19	6.65E-01	no
Mtrr	7.41	6.09	-0.28	6.65E-01	no
Ankrd44	24.88	21.70	-0.20	6.65E-01	no
Art3	0.03	0.16	2.60	6.66E-01	no

Tmem110	4.81	5.93	0.30	6.66E-01	no
Caskin2	5.23	6.28	0.26	6.66E-01	no
Rnf138	13.88	16.42	0.24	6.66E-01	no
Gadd45g	2.27	1.61	-0.50	6.66E-01	no
Atrip	11.58	9.58	-0.27	6.66E-01	no
Gata2	0.14	0.06	-1.14	6.66E-01	no
Uqcrfs1	52.82	45.40	-0.22	6.66E-01	no
Fam133b	21.16	17.89	-0.24	6.66E-01	no
9430023L20Ril	28.40	23.80	-0.25	6.66E-01	no
Hist1h1a	4.02	2.89	-0.47	6.66E-01	no
Zfp442	1.62	2.20	0.44	6.67E-01	no
2400001E08Ri	38.51	44.97	0.22	6.67E-01	no
Ranbp2	43.62	38.16	-0.19	6.67E-01	no
Gla	3.49	2.70	-0.37	6.67E-01	no
LOC106740	7.03	5.29	-0.41	6.67E-01	no
4930444A02Ri	3.13	2.44	-0.36	6.67E-01	no
Tifab	30.66	26.75	-0.20	6.67E-01	no
4930512B01Ri	0.02	0.00	-1.79769e	6.67E-01	no
Cdkl4	0.16	0.27	0.77	6.67E-01	no
Fam55d	0.32	0.19	-0.74	6.67E-01	no
Echdc2	0.17	0.36	1.07	6.67E-01	no
Wdr45l	18.74	15.81	-0.25	6.67E-01	no
Rnf11	11.95	14.55	0.28	6.68E-01	no
Mcf2	11.24	13.53	0.27	6.68E-01	no
Gpr162	0.10	0.19	0.93	6.68E-01	no
Polr2k	8.42	6.12	-0.46	6.68E-01	no
Tspan13	80.86	92.76	0.20	6.68E-01	no
Fbrs	34.10	39.20	0.20	6.68E-01	no
Kdm5c	34.70	30.42	-0.19	6.69E-01	no
Cmtm4	3.29	2.41	-0.45	6.69E-01	no
Mc1r	0.05	0.11	1.24	6.69E-01	no
Rom1	2.31	3.13	0.44	6.69E-01	no
Alkbh6	10.22	12.99	0.35	6.69E-01	no
Clec4a1	0.28	0.48	0.81	6.69E-01	no
Got2	80.33	70.43	-0.19	6.69E-01	no
Prune2	0.05	0.03	-0.89	6.69E-01	no
Wdr45	12.14	14.80	0.29	6.69E-01	no
Cyb5r1	13.79	16.73	0.28	6.69E-01	no
2210012G02Ri	5.95	7.05	0.24	6.69E-01	no
Fam76a	13.73	16.06	0.23	6.69E-01	no
Laptm4a	25.26	29.53	0.23	6.69E-01	no
Gtpbp2	35.39	40.23	0.19	6.69E-01	no

Hnrnph2	88.94	77.97	-0.19	6.69E-01	no
Ranbp3	34.52	30.01	-0.20	6.69E-01	no
Dapp1	14.18	11.98	-0.24	6.69E-01	no
Ankrd54	20.63	17.40	-0.25	6.69E-01	no
Fam18a	3.74	2.94	-0.35	6.69E-01	no
Lat2	4.55	3.44	-0.40	6.69E-01	no
Frg1	38.88	32.90	-0.24	6.70E-01	no
Ly6g5b	1.44	0.95	-0.60	6.70E-01	no
6330416G13Ri	6.22	7.54	0.28	6.70E-01	no
Atg4d	15.06	12.70	-0.25	6.70E-01	no
H2-M5	0.16	0.36	1.15	6.70E-01	no
Gpd1	0.35	0.52	0.58	6.70E-01	no
Cdc14b	0.58	0.81	0.48	6.70E-01	no
lqce	3.96	4.85	0.29	6.70E-01	no
Exoc2	17.93	20.70	0.21	6.70E-01	no
Fam172a	19.19	22.11	0.20	6.70E-01	no
Vps16	24.01	20.79	-0.21	6.70E-01	no
Ddx18	32.27	27.90	-0.21	6.70E-01	no
Pon2	22.45	18.86	-0.25	6.70E-01	no
Rtcd1	21.21	17.70	-0.26	6.70E-01	no
Ppil3	18.12	14.72	-0.30	6.70E-01	no
Itgb2l	0.03	0.12	2.11	6.70E-01	no
Snopc3	12.46	15.35	0.30	6.70E-01	no
Hsdl2	10.33	12.44	0.27	6.70E-01	no
Apobec3	106.85	122.55	0.20	6.70E-01	no
Ubqln1	47.55	42.69	-0.16	6.70E-01	no
Zbtb40	8.06	6.92	-0.22	6.70E-01	no
Pdp1	3.68	2.90	-0.34	6.70E-01	no
Dbnnd1	1.19	1.65	0.47	6.70E-01	no
Taf12	22.80	18.89	-0.27	6.70E-01	no
Snx4	21.69	25.29	0.22	6.70E-01	no
Gprc5a	0.53	0.34	-0.65	6.70E-01	no
Map3k1	37.46	42.79	0.19	6.70E-01	no
Nudt18	3.44	4.32	0.33	6.70E-01	no
BC013529	9.55	11.92	0.32	6.70E-01	no
2310003H01Ri	8.05	9.65	0.26	6.70E-01	no
Vps33b	12.93	15.34	0.25	6.70E-01	no
Mobk13	23.11	27.00	0.22	6.70E-01	no
Aph1a	39.75	44.98	0.18	6.70E-01	no
Msi2	29.48	25.80	-0.19	6.70E-01	no
Hira	23.74	20.71	-0.20	6.70E-01	no
Ndufs2	50.34	43.71	-0.20	6.70E-01	no

Nat10	18.95	16.39	-0.21	6.70E-01	no
Usp42	12.08	10.39	-0.22	6.70E-01	no
Sike1	17.65	14.96	-0.24	6.70E-01	no
1700037H04Ri	24.69	20.53	-0.27	6.70E-01	no
Ptp4a1	5.18	4.15	-0.32	6.70E-01	no
Tbkbp1	0.49	0.34	-0.55	6.70E-01	no
Pdia4	37.15	32.30	-0.20	6.70E-01	no
Pin1	11.12	9.39	-0.24	6.70E-01	no
Slc40a1	0.45	0.65	0.54	6.71E-01	no
Spo11	3.06	4.14	0.44	6.71E-01	no
Synrg	16.71	18.97	0.18	6.71E-01	no
Gm13051	0.09	0.19	1.11	6.71E-01	no
1700026L06Ril	0.41	0.09	-2.12	6.71E-01	no
2900010M23R	27.19	21.53	-0.34	6.71E-01	no
Rdh13	4.59	5.72	0.32	6.72E-01	no
Zbtb44	14.48	12.72	-0.19	6.72E-01	no
Lsm14b	19.70	16.79	-0.23	6.73E-01	no
Cldnd1	19.43	16.17	-0.26	6.73E-01	no
Fam188b	0.50	0.75	0.59	6.73E-01	no
Eif5	64.90	56.93	-0.19	6.73E-01	no
Slc39a1	21.33	24.86	0.22	6.73E-01	no
Xpo7	10.12	8.87	-0.19	6.73E-01	no
Ythdf2	27.55	24.02	-0.20	6.73E-01	no
Cog4	16.49	14.02	-0.23	6.73E-01	no
Mrps23	26.19	21.87	-0.26	6.73E-01	no
2410042D21Ri	9.33	7.60	-0.30	6.73E-01	no
Kank2	2.59	2.05	-0.34	6.73E-01	no
Scrn2	7.02	8.81	0.33	6.74E-01	no
Lrrc8c	19.58	22.76	0.22	6.74E-01	no
Gnb2l1	284.72	249.80	-0.19	6.74E-01	no
Apbb1ip	35.66	31.01	-0.20	6.74E-01	no
Hdgfrp2	28.34	24.56	-0.21	6.74E-01	no
Hist2h2ac	1.71	0.97	-0.82	6.75E-01	no
Bid	17.80	21.04	0.24	6.75E-01	no
Ccnk	29.35	25.44	-0.21	6.75E-01	no
Mpzl3	1.35	1.98	0.55	6.75E-01	no
H2-Q1	2.67	3.51	0.39	6.75E-01	no
Rps25	70.15	59.79	-0.23	6.75E-01	no
Dnajc11	20.43	17.60	-0.21	6.76E-01	no
Kpna6	17.84	15.55	-0.20	6.76E-01	no
Gfra2	37.44	32.51	-0.20	6.76E-01	no
Zfp112	0.23	0.35	0.61	6.77E-01	no

Parp16	4.29	5.43	0.34	6.77E-01	no
Gm5801	44.35	38.69	-0.20	6.77E-01	no
Mier3	22.34	19.44	-0.20	6.77E-01	no
Tysnd1	22.23	19.03	-0.22	6.77E-01	no
Ccdc43	15.40	12.86	-0.26	6.77E-01	no
Zfp428	15.01	12.15	-0.31	6.77E-01	no
D130040H23R	3.37	4.40	0.38	6.77E-01	no
Atp5h	73.43	62.19	-0.24	6.77E-01	no
Tmem69	12.52	10.32	-0.28	6.77E-01	no
Prps2	47.11	41.31	-0.19	6.77E-01	no
Sigmar1	14.72	12.08	-0.29	6.77E-01	no
S100pbp	18.69	15.49	-0.27	6.78E-01	no
Snx25	16.24	13.85	-0.23	6.78E-01	no
Hist2h3b	1.12	0.56	-1.00	6.78E-01	no
Tdrd9	0.01	0.08	3.35	6.78E-01	no
Maml1	15.03	17.26	0.20	6.78E-01	no
Sik2	10.08	8.47	-0.25	6.78E-01	no
Magoh	52.37	43.44	-0.27	6.78E-01	no
Gm14420	0.12	0.21	0.74	6.79E-01	no
Zfp827	4.90	5.77	0.24	6.79E-01	no
Clptm1	19.58	17.00	-0.20	6.79E-01	no
Zfp106	32.42	28.50	-0.19	6.79E-01	no
Ripk1	11.84	13.77	0.22	6.79E-01	no
Ganab	52.66	46.29	-0.19	6.79E-01	no
Zfp397	22.36	19.53	-0.20	6.79E-01	no
Elac2	13.34	11.26	-0.24	6.79E-01	no
Gm5176	0.40	0.84	1.06	6.80E-01	no
Tmem38b	1.48	1.99	0.43	6.80E-01	no
Slc39a13	5.19	6.49	0.32	6.80E-01	no
Pick1	8.37	10.17	0.28	6.80E-01	no
BC002230	10.35	12.13	0.23	6.80E-01	no
Lrwd1	28.73	24.82	-0.21	6.80E-01	no
Cd47	49.42	42.94	-0.20	6.80E-01	no
Slc35d1	4.61	3.62	-0.35	6.80E-01	no
Vamp3	25.91	22.10	-0.23	6.80E-01	no
C030030A07Ri	0.44	0.27	-0.73	6.80E-01	no
Fam150b	0.02	0.00	-1.79769e	6.80E-01	no
1700012L04Ri	0.07	0.00	-1.79769e	6.80E-01	no
1700071K01Ri	0.03	0.00	-1.79769e	6.80E-01	no
4930488L21Ri	0.02	0.00	-1.79769e	6.80E-01	no
Calml4	0.05	0.00	-1.79769e	6.80E-01	no
Ces2c	0.02	0.00	-1.79769e	6.80E-01	no

Ces2d-ps	0.02	0.00	-1.79769e	6.80E-01	no
Cldn22	0.04	0.00	-1.79769e	6.80E-01	no
Cldn24	0.05	0.00	-1.79769e	6.80E-01	no
Ear1	0.05	0.00	-1.79769e	6.80E-01	no
Gabrr1	0.02	0.00	-1.79769e	6.80E-01	no
Gm14920	0.11	0.00	-1.79769e	6.80E-01	no
Gm15070	0.01	0.00	-1.79769e	6.80E-01	no
Gm6762	0.03	0.00	-1.79769e	6.80E-01	no
Opn1sw	0.01	0.00	-1.79769e	6.80E-01	no
Tcfl5	0.02	0.00	-1.79769e	6.80E-01	no
Rpgrip1	4.92	16.36	1.73	6.80E-01	no
AF251705	0.20	0.39	0.98	6.80E-01	no
Slc22a12	0.12	0.23	0.91	6.80E-01	no
Dguok	16.76	20.29	0.28	6.80E-01	no
Ep300	29.63	26.05	-0.19	6.80E-01	no
Trim27	40.03	34.96	-0.20	6.80E-01	no
Zfp146	31.66	27.34	-0.21	6.80E-01	no
Bckdk	17.69	15.14	-0.23	6.80E-01	no
Ebna1bp2	16.86	14.38	-0.23	6.80E-01	no
Gins4	24.25	20.33	-0.25	6.80E-01	no
Rpp14	14.94	12.52	-0.26	6.80E-01	no
Scd4	0.83	0.59	-0.50	6.80E-01	no
Cmpk1	54.38	47.33	-0.20	6.80E-01	no
Fgf1	0.13	0.22	0.75	6.81E-01	no
Zfp618	0.08	0.03	-1.61	6.81E-01	no
Sec11c	51.31	43.39	-0.24	6.81E-01	no
Tcp11	0.12	0.27	1.16	6.81E-01	no
Mrps18c	28.35	22.47	-0.34	6.81E-01	no
Slc41a2	0.10	0.18	0.81	6.82E-01	no
Wdr6	36.87	41.95	0.19	6.82E-01	no
Plagl2	26.35	23.11	-0.19	6.82E-01	no
Hgd	0.22	0.09	-1.37	6.82E-01	no
Slc50a1	23.12	27.84	0.27	6.82E-01	no
Srp9	49.94	43.07	-0.21	6.82E-01	no
Nhedc1	0.24	0.12	-0.99	6.82E-01	no
Sez6l2	0.93	0.68	-0.46	6.82E-01	no
Frrs1	1.73	2.30	0.41	6.82E-01	no
Xpo5	20.79	18.04	-0.20	6.82E-01	no
Hspa12b	2.37	3.07	0.37	6.83E-01	no
Ppp2r5e	23.81	20.82	-0.19	6.83E-01	no
6430531B16Ri	0.06	0.21	1.79	6.83E-01	no
Lancl1	7.64	9.11	0.25	6.83E-01	no

St6galnac4	8.59	10.10	0.23	6.83E-01	no
Nmt1	33.86	29.30	-0.21	6.83E-01	no
Gm1943	7.86	6.09	-0.37	6.83E-01	no
Vmn1r32	0.21	0.10	-1.05	6.83E-01	no
Arhgef26	0.02	0.06	2.06	6.83E-01	no
Ptges2	6.14	4.85	-0.34	6.83E-01	no
Fip1l1	31.45	27.52	-0.19	6.84E-01	no
0610007C21Ri	13.94	17.32	0.31	6.84E-01	no
Fbxw2	36.13	32.42	-0.16	6.84E-01	no
Matr3	50.74	44.67	-0.18	6.84E-01	no
Pik3c2a	13.79	12.03	-0.20	6.84E-01	no
Chd1l	13.50	11.47	-0.24	6.84E-01	no
9030617O03Ri	2.32	2.99	0.36	6.84E-01	no
2610507B11Ri	37.29	32.84	-0.18	6.84E-01	no
Amz2	10.75	8.94	-0.27	6.84E-01	no
Sigirr	20.49	23.97	0.23	6.84E-01	no
Pmpca	33.70	29.47	-0.19	6.84E-01	no
Znhit2-ps	13.88	11.27	-0.30	6.84E-01	no
Dph1	8.18	6.60	-0.31	6.84E-01	no
Lzic	18.61	15.65	-0.25	6.84E-01	no
Slc4a1ap	14.34	12.12	-0.24	6.85E-01	no
9130401M01R	10.72	8.58	-0.32	6.85E-01	no
3110070M22R	0.36	0.17	-1.11	6.85E-01	no
Agpat4	2.44	3.23	0.40	6.85E-01	no
Vma21	14.93	12.74	-0.23	6.85E-01	no
Rhbdd3	9.24	7.46	-0.31	6.85E-01	no
Gpatch8	21.35	18.76	-0.19	6.85E-01	no
Mll1	35.70	41.13	0.20	6.85E-01	no
Zfp629	8.59	9.94	0.21	6.85E-01	no
Yme1l1	35.23	30.87	-0.19	6.85E-01	no
Flywch1	14.26	12.07	-0.24	6.85E-01	no
Cdc5l	8.97	7.45	-0.27	6.85E-01	no
Ndufb6	40.75	33.15	-0.30	6.85E-01	no
Mrc1	0.35	0.48	0.49	6.85E-01	no
Rxra	2.72	3.36	0.31	6.85E-01	no
Slc25a43	0.07	0.29	2.04	6.86E-01	no
Psmg3	24.11	19.69	-0.29	6.86E-01	no
1300017J02Ri	0.13	0.03	-2.07	6.86E-01	no
Enc1	3.41	2.74	-0.32	6.87E-01	no
Ltb4r1	0.57	0.33	-0.78	6.87E-01	no
Zmiz2	42.59	47.01	0.14	6.87E-01	no
Ttyh3	44.07	38.76	-0.19	6.87E-01	no

4921531C22Ri	2.81	3.68	0.39	6.87E-01	no
Cd81	54.60	47.50	-0.20	6.87E-01	no
Pgam5	25.92	22.44	-0.21	6.87E-01	no
Wdr46	19.75	16.90	-0.22	6.87E-01	no
B930059L03Ri	0.36	0.61	0.74	6.87E-01	no
Usp30	7.17	8.67	0.27	6.87E-01	no
U2af2	134.41	118.41	-0.18	6.87E-01	no
2810046L04Ril	24.57	21.48	-0.19	6.87E-01	no
Gfer	11.12	9.08	-0.29	6.87E-01	no
6330549D23Ri	7.00	5.67	-0.30	6.87E-01	no
Sh3pxd2b	0.10	0.06	-0.71	6.87E-01	no
Mtus2	0.16	0.23	0.52	6.87E-01	no
Rab28	16.82	13.90	-0.28	6.87E-01	no
Mtmr11	0.86	0.61	-0.49	6.87E-01	no
Acd	28.91	33.64	0.22	6.88E-01	no
Fam83g	0.11	0.17	0.66	6.88E-01	no
Fbxl19	15.03	17.35	0.21	6.88E-01	no
Nacc1	49.56	43.72	-0.18	6.88E-01	no
Rpl10a	460.19	404.91	-0.18	6.88E-01	no
Mif	234.30	205.98	-0.19	6.88E-01	no
Gnl3	33.55	29.01	-0.21	6.88E-01	no
Diablo	25.64	21.91	-0.23	6.88E-01	no
Dohh	25.19	21.37	-0.24	6.88E-01	no
Brwd3	6.22	5.27	-0.24	6.88E-01	no
Fut11	10.20	8.52	-0.26	6.88E-01	no
Zswim1	4.88	3.88	-0.33	6.88E-01	no
Poldip3	45.02	39.61	-0.18	6.88E-01	no
Ifitm3	12.05	15.51	0.36	6.88E-01	no
Cyfp2	106.17	92.70	-0.20	6.88E-01	no
Mxi1	9.48	8.12	-0.22	6.88E-01	no
Ppa1	29.52	24.93	-0.24	6.88E-01	no
Zfand2a	8.55	7.14	-0.26	6.88E-01	no
Mrpl4	20.85	17.37	-0.26	6.88E-01	no
Adal	10.00	8.18	-0.29	6.88E-01	no
Apba3	9.29	11.20	0.27	6.89E-01	no
Rc3h1	17.38	15.29	-0.18	6.89E-01	no
Naa40	39.11	34.37	-0.19	6.89E-01	no
Zfp345	0.06	0.13	1.28	6.90E-01	no
Irak3	6.13	7.46	0.28	6.90E-01	no
Btnl7	0.13	0.25	0.97	6.90E-01	no
Prmt1	53.16	46.20	-0.20	6.90E-01	no
Eif1b	33.43	27.94	-0.26	6.90E-01	no

A030009H04R	4.93	6.28	0.35	6.90E-01	no
Tmem222	19.78	23.45	0.25	6.90E-01	no
Cmpk2	11.01	9.25	-0.25	6.90E-01	no
Rasgrf1	0.08	0.02	-2.15	6.90E-01	no
Efcab4a	0.16	0.04	-2.07	6.90E-01	no
Mcc	0.02	0.04	1.39	6.91E-01	no
Duox2	0.03	0.07	1.38	6.91E-01	no
Rapsn	0.14	0.29	1.02	6.91E-01	no
Igdcc4	0.06	0.10	0.81	6.91E-01	no
Papss1	11.88	14.05	0.24	6.91E-01	no
Nr1h2	39.00	44.58	0.19	6.91E-01	no
Rbm12	36.11	32.19	-0.17	6.91E-01	no
Ptprc	47.60	42.13	-0.18	6.91E-01	no
Ccdc97	41.70	36.67	-0.19	6.91E-01	no
Crlf3	45.13	39.52	-0.19	6.91E-01	no
Arf4	45.37	39.52	-0.20	6.91E-01	no
Fam102b	7.75	6.58	-0.24	6.91E-01	no
Atg9a	8.84	10.40	0.24	6.91E-01	no
Aco2	48.02	42.27	-0.18	6.91E-01	no
4930562C15Ri	0.12	0.06	-0.96	6.91E-01	no
Tmem202	0.08	0.27	1.78	6.91E-01	no
ldh3b	42.24	36.62	-0.21	6.91E-01	no
Mau2	25.24	28.24	0.16	6.91E-01	no
Myb	142.63	129.90	-0.13	6.91E-01	no
Fbxo34	13.35	11.59	-0.20	6.91E-01	no
Prps1	32.88	28.40	-0.21	6.91E-01	no
0610010F05Ri	8.47	7.09	-0.26	6.92E-01	no
Prkaa1	10.20	8.66	-0.24	6.92E-01	no
C3	1.63	1.27	-0.36	6.92E-01	no
Dusp18	0.03	0.07	1.50	6.92E-01	no
Noc3l	9.74	8.23	-0.24	6.92E-01	no
Gm4535	9.17	5.78	-0.67	6.92E-01	no
Ly6k	0.55	0.94	0.76	6.92E-01	no
LOC620419	3.57	4.57	0.36	6.92E-01	no
Gm15319	0.15	0.04	-2.03	6.92E-01	no
Serpinb6a	7.01	8.82	0.33	6.92E-01	no
5730403B10Ri	24.08	21.04	-0.19	6.92E-01	no
Mark3	27.43	24.35	-0.17	6.92E-01	no
Zfat	3.21	2.60	-0.30	6.92E-01	no
Coq7	23.44	19.17	-0.29	6.93E-01	no
Zfp317	13.38	15.52	0.21	6.93E-01	no
Cyb5d2	2.67	2.04	-0.39	6.93E-01	no

1110054O05Ri	25.17	21.92	-0.20	6.93E-01	no
Cdc16	26.15	22.56	-0.21	6.93E-01	no
Smn1	21.49	17.87	-0.27	6.93E-01	no
Zfp945	4.78	5.69	0.25	6.93E-01	no
Zcchc10	12.71	10.19	-0.32	6.93E-01	no
Haus3	33.68	29.08	-0.21	6.93E-01	no
Snx11	13.47	11.46	-0.23	6.94E-01	no
Xpot	18.69	16.40	-0.19	6.94E-01	no
Svep1	0.05	0.03	-0.91	6.94E-01	no
Eif6	37.32	32.28	-0.21	6.94E-01	no
BC068281	5.25	4.24	-0.31	6.94E-01	no
Gpkow	19.56	17.00	-0.20	6.94E-01	no
Tmem44	0.08	0.14	0.83	6.94E-01	no
Ifit1	1.37	1.85	0.44	6.94E-01	no
Tprn	7.05	8.48	0.27	6.94E-01	no
Taf5l	25.13	28.76	0.19	6.94E-01	no
Pkn3	1.75	1.33	-0.39	6.94E-01	no
Ccdc112	0.41	0.59	0.53	6.94E-01	no
Reep4	34.70	29.71	-0.22	6.95E-01	no
Htr2b	0.09	0.21	1.30	6.95E-01	no
Zfp40	4.21	5.18	0.30	6.95E-01	no
Rps8	5.14	3.81	-0.43	6.95E-01	no
Dad1	56.62	48.22	-0.23	6.96E-01	no
Zfp180	14.65	12.61	-0.22	6.96E-01	no
Plxdc2	0.70	0.97	0.48	6.96E-01	no
5430411K18Ri	9.64	10.99	0.19	6.96E-01	no
Rhd	0.76	0.50	-0.59	6.97E-01	no
Spink10	0.26	0.11	-1.20	6.97E-01	no
Secisbp2l	12.18	13.92	0.19	6.97E-01	no
Fbxo3	30.62	26.69	-0.20	6.97E-01	no
Lcor	5.34	4.39	-0.28	6.97E-01	no
Ifi204	6.02	7.43	0.31	6.97E-01	no
Dynll2	38.13	33.59	-0.18	6.97E-01	no
Rps27l	65.75	55.04	-0.26	6.97E-01	no
Ccbl2	4.46	3.50	-0.35	6.98E-01	no
Mageh1	0.32	0.53	0.73	6.98E-01	no
Afmid	3.90	4.91	0.33	6.98E-01	no
Ptov1	17.37	20.42	0.23	6.98E-01	no
Ubxn4	20.16	23.03	0.19	6.98E-01	no
Hes6	64.62	56.70	-0.19	6.98E-01	no
Bend3	6.76	5.76	-0.23	6.98E-01	no
AA986860	0.32	0.20	-0.64	6.98E-01	no

Nek8	5.95	7.24	0.28	6.98E-01	no
BC005561	7.09	5.98	-0.25	6.98E-01	no
Fos	0.44	0.65	0.56	6.98E-01	no
Ndufb7	53.29	44.82	-0.25	6.98E-01	no
Atp5sl	17.15	14.66	-0.23	6.99E-01	no
Dleu7	2.14	2.91	0.44	6.99E-01	no
Grpel2	9.18	10.79	0.23	6.99E-01	no
Wbp1	29.30	25.28	-0.21	6.99E-01	no
Ikzf2	0.50	0.67	0.43	6.99E-01	no
P2ry10	2.01	2.68	0.42	6.99E-01	no
Slc16a13	2.46	3.17	0.37	6.99E-01	no
Bphl	7.86	9.87	0.33	6.99E-01	no
Txndc5	30.70	26.86	-0.19	6.99E-01	no
Armc8	13.47	11.76	-0.20	6.99E-01	no
Samm50	37.63	32.70	-0.20	6.99E-01	no
Gmcl1	21.57	18.66	-0.21	6.99E-01	no
Sec22b	25.48	21.75	-0.23	6.99E-01	no
Commd1	32.67	27.30	-0.26	6.99E-01	no
Apex2	9.92	8.11	-0.29	6.99E-01	no
Htr2a	0.05	0.12	1.36	6.99E-01	no
Ctrl	1.51	1.01	-0.59	6.99E-01	no
Smarce1	46.26	40.80	-0.18	7.00E-01	no
Atoh1	0.04	0.14	1.76	7.00E-01	no
1700021C14Ri	3.27	2.24	-0.55	7.00E-01	no
Aicda	0.14	0.03	-2.00	7.00E-01	no
Hnrnpa0	105.88	93.68	-0.18	7.00E-01	no
Atxn7	13.51	15.42	0.19	7.00E-01	no
Pld3	6.38	7.83	0.29	7.00E-01	no
Znrf3	1.80	1.43	-0.33	7.00E-01	no
Id3	39.74	33.88	-0.23	7.00E-01	no
Dffb	12.04	10.01	-0.27	7.00E-01	no
Zfp354b	2.33	1.78	-0.39	7.01E-01	no
Snrpa	56.65	50.13	-0.18	7.01E-01	no
Vcp	78.14	69.10	-0.18	7.01E-01	no
Vps25	38.29	32.68	-0.23	7.01E-01	no
Rpl22l1	82.97	70.27	-0.24	7.01E-01	no
Arhgdig	0.40	0.19	-1.05	7.01E-01	no
Speer2	1.71	1.20	-0.52	7.01E-01	no
Atxn2l	60.21	53.27	-0.18	7.01E-01	no
Kif9	0.54	0.78	0.53	7.01E-01	no
Dleu2	7.94	6.32	-0.33	7.02E-01	no
Tlr9	7.80	6.50	-0.26	7.02E-01	no

Hist1h3a	1.36	0.83	-0.71	7.02E-01	no
Cd248	0.06	0.14	1.29	7.02E-01	no
Tbk1	18.99	21.85	0.20	7.02E-01	no
4921524J17RiI	17.97	14.96	-0.26	7.02E-01	no
Zfp811	0.14	0.04	-2.03	7.02E-01	no
Fbxo42	15.62	13.69	-0.19	7.02E-01	no
Elk3	17.49	15.18	-0.20	7.02E-01	no
Mtmr9	22.90	19.80	-0.21	7.02E-01	no
Serpine3	0.39	0.22	-0.82	7.02E-01	no
Abtb2	2.29	1.82	-0.34	7.02E-01	no
Ehmt1	24.12	21.77	-0.15	7.02E-01	no
Pno1	20.00	16.78	-0.25	7.02E-01	no
Kirrel2	0.13	0.07	-0.95	7.02E-01	no
Zfp61	6.54	7.97	0.29	7.02E-01	no
Amigo3	3.45	4.35	0.33	7.03E-01	no
Eefsec	16.15	13.86	-0.22	7.03E-01	no
Pex5	17.67	20.13	0.19	7.03E-01	no
Psmd8	51.66	45.24	-0.19	7.03E-01	no
4930452B06Ri	0.33	0.49	0.56	7.03E-01	no
Glyctk	4.41	5.32	0.27	7.03E-01	no
Siah2	7.47	6.10	-0.29	7.03E-01	no
Med27	12.89	10.46	-0.30	7.03E-01	no
Fdxacb1	7.27	5.83	-0.32	7.03E-01	no
D330041H03R	8.33	6.64	-0.33	7.03E-01	no
Upk1a	0.39	0.20	-0.94	7.03E-01	no
Gm6607	0.42	0.14	-1.57	7.03E-01	no
Zfp943	10.27	12.26	0.26	7.04E-01	no
Slc43a3	49.55	43.69	-0.18	7.04E-01	no
Gtf2h5	24.02	19.97	-0.27	7.04E-01	no
Klc1	29.15	26.00	-0.16	7.04E-01	no
Gdi2	100.42	88.89	-0.18	7.04E-01	no
Rwdd1	30.30	25.63	-0.24	7.04E-01	no
Trappc6b	18.12	14.98	-0.28	7.04E-01	no
Ifi205	7.96	9.83	0.30	7.05E-01	no
Slpi	1.72	1.20	-0.53	7.05E-01	no
0610007P14Ri	24.04	19.98	-0.27	7.05E-01	no
Stard3	15.54	18.23	0.23	7.05E-01	no
Rpl7	94.53	82.91	-0.19	7.05E-01	no
Zfp541	0.05	0.02	-1.43	7.05E-01	no
D730039F16Ri	0.13	0.03	-2.01	7.05E-01	no
4921523A10Ri	0.04	0.14	1.69	7.06E-01	no
N4bp1	13.08	14.90	0.19	7.06E-01	no

Pkig	95.29	104.83	0.14	7.06E-01	no
Kcnh8	0.24	0.12	-0.94	7.06E-01	no
Prickle3	9.17	10.96	0.26	7.06E-01	no
Pabpn1l	0.09	0.25	1.45	7.06E-01	no
Chmp4b	38.59	44.12	0.19	7.06E-01	no
E430025E21Ri	19.18	21.87	0.19	7.06E-01	no
Zfp668	11.34	9.67	-0.23	7.06E-01	no
Pla2g3	0.16	0.26	0.73	7.06E-01	no
9130011E15Ri	6.66	5.45	-0.29	7.06E-01	no
2310003L22Ril	3.67	2.88	-0.35	7.06E-01	no
Cysltr1	0.72	1.02	0.51	7.06E-01	no
Srsf5	166.81	152.50	-0.13	7.06E-01	no
Tcof1	36.50	33.10	-0.14	7.06E-01	no
Dph3	11.22	9.50	-0.24	7.06E-01	no
Zdhhc16	18.74	15.83	-0.24	7.06E-01	no
Prune	8.51	10.09	0.25	7.06E-01	no
Lmo3	0.16	0.06	-1.47	7.06E-01	no
S100a13	14.61	18.24	0.32	7.06E-01	no
Rnh1	33.51	29.53	-0.18	7.06E-01	no
Atg16l1	11.90	10.14	-0.23	7.06E-01	no
Stam	12.31	10.48	-0.23	7.06E-01	no
Aplf	5.41	4.47	-0.28	7.06E-01	no
L3mbtl3	11.64	9.94	-0.23	7.07E-01	no
Map2k5	13.68	16.11	0.24	7.07E-01	no
Ldhal6b	1.15	1.59	0.47	7.07E-01	no
Slc25a22	15.29	17.72	0.21	7.07E-01	no
Prpsap1	27.44	23.69	-0.21	7.07E-01	no
Dennd4a	13.80	12.16	-0.18	7.07E-01	no
Rpf1	27.79	23.72	-0.23	7.07E-01	no
Tnni3	0.34	0.62	0.88	7.07E-01	no
Dio2	1.60	2.03	0.34	7.07E-01	no
Irgm1	24.05	27.71	0.20	7.07E-01	no
Pyroxd1	8.10	6.60	-0.30	7.07E-01	no
Ep400	39.97	36.22	-0.14	7.07E-01	no
Cdkn2aip	14.49	12.43	-0.22	7.07E-01	no
Serpina3n	0.14	0.26	0.87	7.07E-01	no
Klrb1f	1.66	2.29	0.46	7.07E-01	no
Pla2g12a	25.51	29.64	0.22	7.07E-01	no
Tmppe	8.40	9.66	0.20	7.07E-01	no
Hcls1	45.16	51.18	0.18	7.07E-01	no
Dock2	34.00	38.39	0.18	7.07E-01	no
Wdr5	31.76	27.92	-0.19	7.07E-01	no

Cep152	10.83	9.45	-0.20	7.07E-01	no
Ufm1	11.45	9.85	-0.22	7.07E-01	no
Col14a1	0.05	0.02	-1.17	7.07E-01	no
Mettl9	30.56	26.42	-0.21	7.07E-01	no
0610009D07Ri	37.37	31.79	-0.23	7.07E-01	no
Baiap2l2	0.07	0.16	1.23	7.07E-01	no
Ppapdc3	0.17	0.31	0.83	7.07E-01	no
Ier5	12.72	14.76	0.21	7.08E-01	no
Nipsnap3b	23.97	20.23	-0.25	7.08E-01	no
Pfdn4	15.36	12.40	-0.31	7.08E-01	no
Rab8b	21.98	25.02	0.19	7.08E-01	no
Hdac8	17.99	15.18	-0.25	7.08E-01	no
Nupl1	28.57	24.90	-0.20	7.08E-01	no
Cdh6	0.03	0.08	1.70	7.08E-01	no
Pxdn	0.01	0.03	1.70	7.08E-01	no
Rpl39l	0.09	0.29	1.70	7.08E-01	no
Spag6	0.03	0.09	1.70	7.08E-01	no
4930579G22Ri	0.39	0.72	0.90	7.08E-01	no
Bmp2k	7.34	8.48	0.21	7.08E-01	no
Tspyl1	29.12	33.17	0.19	7.08E-01	no
Atp6v1a	24.73	28.09	0.18	7.08E-01	no
Chd9	18.68	16.54	-0.17	7.08E-01	no
Dffa	21.86	19.04	-0.20	7.08E-01	no
Anxa1	23.53	19.88	-0.24	7.08E-01	no
Ell2	3.13	2.48	-0.33	7.08E-01	no
Zfp647	2.03	1.52	-0.41	7.08E-01	no
Oosp1	0.39	0.14	-1.44	7.08E-01	no
Cenpv	3.64	2.66	-0.45	7.08E-01	no
Gnal	2.22	2.94	0.41	7.09E-01	no
N4bp2l2	14.74	12.99	-0.18	7.09E-01	no
Tlcd1	3.40	2.57	-0.41	7.09E-01	no
Dpf2	33.65	29.59	-0.19	7.10E-01	no
Mospd3	31.11	26.85	-0.21	7.10E-01	no
Scml4	8.07	6.88	-0.23	7.10E-01	no
Pnlcd1	0.54	0.34	-0.65	7.10E-01	no
Rab11a	26.70	23.04	-0.21	7.10E-01	no
Tmem20	5.73	4.69	-0.29	7.10E-01	no
Lcmt1	11.35	9.21	-0.30	7.10E-01	no
Xkr8	1.64	2.09	0.35	7.10E-01	no
Ufsp2	14.02	11.56	-0.28	7.10E-01	no
Haus1	19.04	15.64	-0.28	7.10E-01	no
Rdh5	1.16	1.62	0.49	7.10E-01	no

Mrpl35	7.65	6.37	-0.26	7.10E-01	no
Kis2	0.15	0.04	-1.99	7.10E-01	no
Pds5b	33.42	29.64	-0.17	7.10E-01	no
Abt1	6.04	5.04	-0.26	7.11E-01	no
Dr1	33.78	29.69	-0.19	7.11E-01	no
Gtpbp1	33.68	29.76	-0.18	7.12E-01	no
Adra2b	0.07	0.02	-1.97	7.12E-01	no
Pde10a	0.03	0.01	-1.57	7.12E-01	no
Klk1b4	0.00	0.03	1.79769e+	7.12E-01	no
Klk1b5	0.00	0.03	1.79769e+	7.12E-01	no
Krt81	0.00	0.01	1.79769e+	7.12E-01	no
Krt83	0.00	0.01	1.79769e+	7.12E-01	no
Krt86	0.00	0.01	1.79769e+	7.12E-01	no
Adcy4	0.08	0.15	0.87	7.12E-01	no
Sh2d3c	20.93	23.87	0.19	7.12E-01	no
Glyr1	56.81	51.31	-0.15	7.12E-01	no
Rac1	90.59	80.36	-0.17	7.12E-01	no
LOC654426	120.45	103.86	-0.21	7.12E-01	no
Oraov1	12.55	10.49	-0.26	7.12E-01	no
Cdon	2.15	1.74	-0.31	7.12E-01	no
Klra1	8.05	6.37	-0.34	7.12E-01	no
Mertk	0.06	0.02	-1.54	7.12E-01	no
Fkbp1a	60.58	53.31	-0.18	7.13E-01	no
Med12l	0.37	0.49	0.40	7.13E-01	no
Zfp948	1.47	1.10	-0.42	7.13E-01	no
Dnaja2	41.27	36.43	-0.18	7.14E-01	no
Wdr75	18.77	16.17	-0.22	7.14E-01	no
Rsph3b	8.68	10.56	0.28	7.14E-01	no
Pfdn2	27.71	22.86	-0.28	7.14E-01	no
Ftcd	0.00	0.01	1.79769e+	7.14E-01	no
Gm4461	0.00	0.02	1.79769e+	7.14E-01	no
Slamf8	0.10	0.20	0.99	7.14E-01	no
Mcrs1	40.05	35.23	-0.18	7.14E-01	no
Fam132b	0.82	0.59	-0.46	7.14E-01	no
Lmf1	6.99	8.60	0.30	7.14E-01	no
Ring1	10.15	12.08	0.25	7.14E-01	no
Slc41a1	6.76	7.92	0.23	7.15E-01	no
Ubc	10.10	8.51	-0.25	7.15E-01	no
Aptx	3.07	3.69	0.27	7.15E-01	no
Sfxn1	40.33	35.61	-0.18	7.15E-01	no
Gmpr2	22.19	18.88	-0.23	7.16E-01	no
1700001G17Ri	0.68	1.04	0.62	7.16E-01	no

Tanc2	1.29	1.57	0.29	7.16E-01	no
Akap13	29.01	32.87	0.18	7.16E-01	no
Msl2	39.38	34.93	-0.17	7.16E-01	no
B3galtl	3.83	3.12	-0.30	7.16E-01	no
Col11a2	1.19	1.50	0.33	7.16E-01	no
Nsun4	6.82	8.14	0.26	7.16E-01	no
Mrpl19	10.77	9.33	-0.21	7.16E-01	no
Lgals1	41.27	35.23	-0.23	7.16E-01	no
BC017612	11.40	9.08	-0.33	7.16E-01	no
Cox18	11.40	9.38	-0.28	7.16E-01	no
Snhg1	36.73	29.93	-0.30	7.16E-01	no
Grhl1	0.76	0.53	-0.52	7.16E-01	no
1700021F05Ri	11.03	8.81	-0.33	7.16E-01	no
Nap1l4	53.55	47.43	-0.18	7.17E-01	no
Rnf219	13.12	11.29	-0.22	7.17E-01	no
Cirh1a	19.35	16.62	-0.22	7.17E-01	no
Rpa3	32.08	26.39	-0.28	7.17E-01	no
Hsf2bp	0.14	0.07	-1.08	7.17E-01	no
Igsf10	0.44	0.58	0.38	7.17E-01	no
Ccdc38	1.58	2.03	0.36	7.17E-01	no
Ugdh	16.46	19.13	0.22	7.17E-01	no
Thg1l	16.92	13.81	-0.29	7.17E-01	no
Gmps	21.01	18.49	-0.18	7.17E-01	no
Wnk1	69.30	64.23	-0.11	7.17E-01	no
Gm129	2.28	3.00	0.40	7.17E-01	no
Rap2c	26.98	23.66	-0.19	7.17E-01	no
Elp3	23.35	20.38	-0.20	7.17E-01	no
Pnkp	13.12	11.10	-0.24	7.17E-01	no
Mx1	1.84	2.39	0.37	7.17E-01	no
Dnase1	6.40	8.04	0.33	7.17E-01	no
Esr1	6.07	7.20	0.25	7.17E-01	no
Ell	10.88	12.66	0.22	7.17E-01	no
Ripk3	24.96	28.45	0.19	7.17E-01	no
Snrnp200	44.77	39.78	-0.17	7.17E-01	no
Cdk11b	28.74	25.31	-0.18	7.17E-01	no
A630001G21R	37.65	32.99	-0.19	7.17E-01	no
Ptpn4	7.12	6.01	-0.24	7.17E-01	no
Polr2h	18.97	15.46	-0.29	7.17E-01	no
Lamp3	2.65	2.08	-0.35	7.17E-01	no
Xkr7	0.52	0.35	-0.56	7.17E-01	no
Zp1	0.14	0.04	-1.94	7.17E-01	no
Dusp4	0.88	0.63	-0.47	7.17E-01	no

Smyd3	3.18	3.94	0.31	7.18E-01	no
Ppm1k	8.59	7.36	-0.22	7.18E-01	no
Bap1	38.23	33.91	-0.17	7.18E-01	no
Slc25a40	9.81	8.16	-0.26	7.18E-01	no
Sv2a	1.46	1.87	0.36	7.18E-01	no
Hmgn3	19.91	23.77	0.26	7.18E-01	no
Mtdh	38.57	43.51	0.17	7.18E-01	no
Fyn	22.38	25.10	0.17	7.18E-01	no
Rbck1	51.57	57.64	0.16	7.18E-01	no
Galnt7	14.33	12.59	-0.19	7.18E-01	no
Tmem138	21.08	17.32	-0.28	7.18E-01	no
Agap1	1.06	0.85	-0.32	7.18E-01	no
G6pdx	14.91	10.21	-0.55	7.18E-01	no
Efna2	0.04	0.14	1.92	7.19E-01	no
Ecm1	3.63	4.59	0.34	7.19E-01	no
Sfn	6.42	7.90	0.30	7.19E-01	no
Rcbtb2	15.10	13.19	-0.19	7.19E-01	no
Tbpl1	19.37	16.75	-0.21	7.19E-01	no
2900010J23Ri	54.03	46.55	-0.22	7.19E-01	no
Wfdc9	0.50	0.13	-1.94	7.19E-01	no
Zdhhc23	1.56	2.12	0.45	7.19E-01	no
Ggh	4.88	6.24	0.36	7.19E-01	no
Sepw1	38.67	45.37	0.23	7.19E-01	no
Surf4	40.35	35.71	-0.18	7.19E-01	no
1110004F10Ri	56.91	49.98	-0.19	7.19E-01	no
Myo1a	0.33	0.23	-0.55	7.19E-01	no
Cstf1	29.32	25.49	-0.20	7.19E-01	no
Slfnl1	0.15	0.06	-1.37	7.19E-01	no
Klhdc3	34.98	30.97	-0.18	7.19E-01	no
Foxj1	0.15	0.08	-0.91	7.19E-01	no
Dus1l	23.64	20.48	-0.21	7.20E-01	no
Mprlp	27.25	29.88	0.13	7.20E-01	no
Trappc5	15.78	13.43	-0.23	7.20E-01	no
Pdxk	8.68	10.00	0.20	7.20E-01	no
Ninl	0.52	0.39	-0.43	7.20E-01	no
Bag4	9.17	7.86	-0.22	7.21E-01	no
Dync2li1	0.99	1.38	0.49	7.21E-01	no
Rnft2	0.02	0.07	1.40	7.21E-01	no
Atf6b	24.18	21.18	-0.19	7.21E-01	no
1500002O20Ri	12.50	14.62	0.23	7.21E-01	no
A830080D01R	16.07	13.91	-0.21	7.21E-01	no
Hbegf	0.29	0.17	-0.72	7.21E-01	no

Ahctf1	24.39	21.69	-0.17	7.21E-01	no
Zfp1	9.26	11.08	0.26	7.22E-01	no
Psmc3	48.06	42.57	-0.17	7.22E-01	no
Nr4a3	0.06	0.15	1.29	7.22E-01	no
Naa30	14.17	16.24	0.20	7.22E-01	no
Larp4	27.53	24.46	-0.17	7.22E-01	no
Tusc1	2.87	3.72	0.37	7.22E-01	no
Gbf1	20.99	18.64	-0.17	7.22E-01	no
Spcs3	38.14	33.77	-0.18	7.22E-01	no
Polg2	4.66	3.65	-0.35	7.22E-01	no
Smad6	0.04	0.10	1.33	7.22E-01	no
Fam198b	0.05	0.10	0.91	7.22E-01	no
Shf	4.22	5.31	0.33	7.22E-01	no
Pddc1	15.51	18.41	0.25	7.22E-01	no
Ptprs	20.07	17.79	-0.17	7.22E-01	no
Med24	30.48	26.99	-0.18	7.22E-01	no
Hdac2	41.98	36.95	-0.18	7.22E-01	no
Noc4l	21.65	18.71	-0.21	7.22E-01	no
1110008L16Ri	6.91	5.72	-0.27	7.22E-01	no
Tm6sf2	0.53	0.33	-0.71	7.22E-01	no
A930007I19Ri	0.85	1.17	0.46	7.23E-01	no
Commd7	11.72	13.57	0.21	7.23E-01	no
Ctdp1	17.75	15.58	-0.19	7.23E-01	no
Hmgcs2	0.05	0.11	1.09	7.23E-01	no
Asl	7.43	9.10	0.29	7.23E-01	no
Fosb	0.10	0.16	0.73	7.23E-01	no
Sap30	19.29	16.17	-0.26	7.23E-01	no
Ccdc58	14.43	11.77	-0.29	7.23E-01	no
Mtvr2	26.55	22.77	-0.22	7.23E-01	no
Polr1e	6.78	5.63	-0.27	7.23E-01	no
9130023H24Ri	3.75	3.04	-0.31	7.23E-01	no
Qprt	1.68	1.23	-0.45	7.24E-01	no
Wdr11	14.44	16.46	0.19	7.24E-01	no
Yipf3	17.24	20.00	0.21	7.24E-01	no
Sipa1l1	12.44	11.16	-0.16	7.24E-01	no
Alkbh1	17.98	15.35	-0.23	7.24E-01	no
Plcx2	2.34	2.83	0.27	7.24E-01	no
Spata24	17.86	14.80	-0.27	7.24E-01	no
Adamts20	0.09	0.04	-1.11	7.24E-01	no
1810031K17Ri	25.14	28.59	0.19	7.24E-01	no
Prr13	31.22	26.85	-0.22	7.24E-01	no
Fcho2	9.99	11.52	0.21	7.25E-01	no

Atp1b2	0.22	0.13	-0.77	7.25E-01	no
Mtch2	21.88	18.94	-0.21	7.25E-01	no
Chst2	0.08	0.04	-0.89	7.25E-01	no
Vmn2r84	0.22	0.36	0.68	7.25E-01	no
H3f3b	357.77	316.26	-0.18	7.25E-01	no
Zmynd19	22.83	19.38	-0.24	7.25E-01	no
Alkbh8	14.03	11.89	-0.24	7.25E-01	no
4933432B09Ri	0.59	0.44	-0.43	7.25E-01	no
Fam46c	0.79	0.56	-0.49	7.25E-01	no
Rpph1	2.53	1.61	-0.65	7.25E-01	no
Rad23a	31.96	28.07	-0.19	7.26E-01	no
Bmp4	0.12	0.03	-1.90	7.26E-01	no
Zbtb41	8.38	7.31	-0.20	7.26E-01	no
Plk1s1	6.60	7.98	0.27	7.26E-01	no
Mtap4	21.00	18.64	-0.17	7.26E-01	no
Nagpa	11.85	10.09	-0.23	7.26E-01	no
Gch1	1.77	2.30	0.38	7.27E-01	no
Ptpn18	15.56	18.24	0.23	7.27E-01	no
Pabpc6	0.45	0.31	-0.52	7.27E-01	no
Slc16a11	0.09	0.22	1.23	7.27E-01	no
4933426M11R	10.22	11.72	0.20	7.27E-01	no
Fem1a	16.16	14.33	-0.17	7.27E-01	no
Rad50	20.39	18.07	-0.17	7.27E-01	no
Acot8	11.79	9.60	-0.30	7.27E-01	no
Dcp1b	6.00	7.16	0.25	7.28E-01	no
4930455C21Ri	11.04	9.21	-0.26	7.28E-01	no
D3Erttd254e	2.01	2.47	0.29	7.28E-01	no
2700050L05Ril	12.19	10.67	-0.19	7.28E-01	no
Tfb1m	11.34	9.24	-0.30	7.28E-01	no
Tppp	0.39	0.28	-0.48	7.28E-01	no
Kcnj10	0.09	0.14	0.67	7.28E-01	no
Ehbp1	0.62	0.82	0.39	7.28E-01	no
Acss2	1.50	1.93	0.37	7.28E-01	no
Mphosph10	17.13	14.75	-0.22	7.28E-01	no
Dimt1	4.78	3.82	-0.32	7.28E-01	no
Tmem141	0.39	0.69	0.82	7.29E-01	no
Zfp192	9.36	10.62	0.18	7.29E-01	no
H2-Ob	39.98	45.20	0.18	7.29E-01	no
Fam82a2	15.53	13.31	-0.22	7.29E-01	no
Erap1	26.88	30.31	0.17	7.29E-01	no
Lars	21.06	18.57	-0.18	7.29E-01	no
Mrps30	22.67	19.40	-0.22	7.29E-01	no

Katnal2	0.16	0.04	-1.90	7.29E-01	no
Rcan2	0.10	0.02	-2.00	7.29E-01	no
Ddx28	8.53	7.03	-0.28	7.29E-01	no
Ylpm1	25.08	22.36	-0.17	7.30E-01	no
Rhot2	25.67	22.61	-0.18	7.30E-01	no
Glt28d2	0.12	0.05	-1.24	7.30E-01	no
Yy1	44.05	39.03	-0.17	7.30E-01	no
Oxnad1	7.05	5.76	-0.29	7.30E-01	no
Zfp944	10.31	12.14	0.24	7.30E-01	no
Kctd20	34.82	30.73	-0.18	7.30E-01	no
Ndufv2	29.72	25.57	-0.22	7.30E-01	no
Dtx2	13.78	11.84	-0.22	7.30E-01	no
Exosc5	32.75	28.10	-0.22	7.30E-01	no
Pot1b	10.69	9.15	-0.22	7.30E-01	no
Smyd4	5.28	4.38	-0.27	7.30E-01	no
Nrip2	1.38	1.02	-0.43	7.30E-01	no
Cyth2	14.04	12.14	-0.21	7.31E-01	no
Rps27	21.52	27.35	0.35	7.31E-01	no
Ids	5.65	6.68	0.24	7.31E-01	no
Rfx5	15.83	18.00	0.19	7.31E-01	no
Rpl32	241.98	215.16	-0.17	7.31E-01	no
Mak16	28.04	24.38	-0.20	7.31E-01	no
Mei4	5.47	4.45	-0.30	7.31E-01	no
8030462N17Ri	11.74	10.09	-0.22	7.31E-01	no
Snip1	22.26	19.39	-0.20	7.31E-01	no
Slc10a1	0.20	0.07	-1.46	7.31E-01	no
Klhl12	10.34	8.82	-0.23	7.32E-01	no
Ccdc109b	0.11	0.24	1.19	7.32E-01	no
Xrra1	0.08	0.16	0.92	7.32E-01	no
Mbd5	4.87	5.66	0.22	7.32E-01	no
Foxn3	23.12	26.35	0.19	7.32E-01	no
Lias	15.46	13.06	-0.24	7.32E-01	no
Zcchc7	19.48	22.32	0.20	7.32E-01	no
Lrig2	10.07	8.83	-0.19	7.32E-01	no
Mgp	0.13	0.46	1.86	7.32E-01	no
Tlr12	2.87	3.57	0.32	7.32E-01	no
Baz2a	33.46	37.61	0.17	7.32E-01	no
Pitpna	35.21	31.29	-0.17	7.32E-01	no
Spcs1	31.32	26.61	-0.24	7.32E-01	no
Grhpr	11.62	9.53	-0.29	7.33E-01	no
Fam59b	0.06	0.01	-2.60	7.33E-01	no
Gtf2h2	14.20	11.88	-0.26	7.33E-01	no

Tsen2	3.92	3.11	-0.34	7.33E-01	no
Trerf1	0.31	0.21	-0.56	7.33E-01	no
Tbc1d10a	8.18	9.81	0.26	7.33E-01	no
AA960436	11.50	13.66	0.25	7.33E-01	no
Fam3a	7.56	9.17	0.28	7.33E-01	no
Bcl7a	103.13	91.86	-0.17	7.33E-01	no
Gpd2	9.00	7.87	-0.19	7.33E-01	no
S1pr5	0.18	0.09	-0.98	7.33E-01	no
Epdr1	0.12	0.05	-1.36	7.33E-01	no
Rilpl2	20.45	23.88	0.22	7.34E-01	no
B3gnt2	112.32	122.72	0.13	7.34E-01	no
Gnai3	48.77	43.41	-0.17	7.34E-01	no
Aff3	36.47	40.93	0.17	7.34E-01	no
Lrrc8a	7.43	6.35	-0.23	7.34E-01	no
Bcap31	47.83	41.82	-0.19	7.34E-01	no
Tssc1	13.71	11.56	-0.25	7.34E-01	no
Cdca7l	32.74	28.93	-0.18	7.34E-01	no
Paox	13.19	15.55	0.24	7.34E-01	no
Unc119	6.66	8.25	0.31	7.34E-01	no
Vmn2r96	0.15	0.04	-1.88	7.34E-01	no
1700056E22Ri	2.38	1.76	-0.43	7.34E-01	no
Ndufs6	41.60	35.01	-0.25	7.34E-01	no
Dhx36	21.77	19.29	-0.17	7.34E-01	no
Tcta	6.92	8.52	0.30	7.34E-01	no
Ccdc47	23.22	20.44	-0.18	7.34E-01	no
Sfxn2	4.35	3.55	-0.29	7.34E-01	no
Mrps9	29.68	25.69	-0.21	7.35E-01	no
Cox6c	80.01	68.90	-0.22	7.35E-01	no
9230115E21Ri	1.49	1.09	-0.45	7.35E-01	no
Apip	16.00	13.10	-0.29	7.35E-01	no
Chst13	0.16	0.04	-1.86	7.35E-01	no
Zfp605	3.45	4.25	0.30	7.35E-01	no
Lrrc49	4.33	5.24	0.27	7.35E-01	no
Gcnt1	8.26	7.10	-0.22	7.35E-01	no
Slc5a3	2.02	1.67	-0.27	7.35E-01	no
Nap1l3	0.67	0.91	0.44	7.35E-01	no
Gdpd1	1.06	1.41	0.41	7.35E-01	no
Ncrna00086	0.40	0.56	0.50	7.35E-01	no
Peli1	20.28	17.78	-0.19	7.35E-01	no
U2af1l4	20.94	17.42	-0.27	7.35E-01	no
Alg14	7.75	6.10	-0.35	7.35E-01	no
Tubgcp3	21.90	19.36	-0.18	7.36E-01	no

Usmg5	47.13	38.69	-0.28	7.36E-01	no
Sepx1	22.49	18.73	-0.26	7.36E-01	no
Uimc1	22.18	19.51	-0.18	7.36E-01	no
Ankrd46	15.63	18.06	0.21	7.36E-01	no
Guca1a	0.30	0.54	0.84	7.36E-01	no
Osbpl8	30.75	33.81	0.14	7.36E-01	no
Prdx6	26.60	23.27	-0.19	7.36E-01	no
Pet112l	7.66	6.36	-0.27	7.36E-01	no
Fam36a	40.90	33.83	-0.27	7.36E-01	no
Cdh5	0.55	0.40	-0.44	7.36E-01	no
Upk1b	0.36	0.22	-0.72	7.36E-01	no
Slc6a13	0.19	0.10	-0.91	7.36E-01	no
Dll4	0.04	0.10	1.19	7.36E-01	no
Lrrc25	0.36	0.56	0.64	7.36E-01	no
F630110N24Ri	8.48	10.24	0.27	7.36E-01	no
Slain2	22.17	19.88	-0.16	7.36E-01	no
Adrbk1	122.77	109.44	-0.17	7.36E-01	no
Hsd17b7	3.97	3.25	-0.29	7.36E-01	no
Kel	0.13	0.06	-1.10	7.36E-01	no
Lrriq3	0.03	0.12	1.82	7.36E-01	no
Evi5l	5.45	6.74	0.31	7.36E-01	no
D2hgdh	9.94	11.56	0.22	7.36E-01	no
Peg13	7.26	8.44	0.22	7.36E-01	no
Klf10	12.38	14.35	0.21	7.36E-01	no
Kctd10	28.93	32.49	0.17	7.36E-01	no
Trp53bp1	16.23	18.21	0.17	7.36E-01	no
Mta1	34.76	30.88	-0.17	7.36E-01	no
Agpat6	19.16	16.92	-0.18	7.36E-01	no
Heca	18.52	16.29	-0.19	7.36E-01	no
Zfp521	0.78	0.60	-0.38	7.36E-01	no
Ifng	0.18	0.06	-1.53	7.36E-01	no
Kdm2b	29.67	26.87	-0.14	7.36E-01	no
Polr2e	34.01	29.32	-0.21	7.37E-01	no
Socs1	7.01	5.59	-0.33	7.37E-01	no
Gucy1b2	0.03	0.10	1.63	7.37E-01	no
Lrrtm2	0.09	0.14	0.70	7.37E-01	no
Map4k3	2.65	3.26	0.30	7.37E-01	no
Cr1l	28.73	32.98	0.20	7.37E-01	no
Ccdc71	16.62	14.53	-0.19	7.37E-01	no
Usp21	20.48	17.80	-0.20	7.37E-01	no
Sdf2l1	34.51	29.86	-0.21	7.37E-01	no
Polr2c	25.50	22.06	-0.21	7.37E-01	no

Fastkd3	9.33	7.81	-0.26	7.37E-01	no
Uchl4	15.08	12.43	-0.28	7.37E-01	no
Sip1	11.52	9.38	-0.30	7.37E-01	no
Cnr2	1.59	1.23	-0.37	7.37E-01	no
Fap	0.12	0.06	-1.11	7.37E-01	no
Chadl	0.08	0.01	-2.44	7.37E-01	no
Suclg1	30.70	26.58	-0.21	7.37E-01	no
Osgin1	0.06	0.14	1.28	7.37E-01	no
Eif2ak3	19.42	21.87	0.17	7.37E-01	no
Gmppb	8.57	7.06	-0.28	7.37E-01	no
Impa2	24.64	21.21	-0.22	7.37E-01	no
Gm6225	0.50	0.33	-0.61	7.38E-01	no
Shmt1	29.85	26.26	-0.19	7.38E-01	no
Hist1h2bg	0.68	0.35	-0.96	7.38E-01	no
Mapk4	0.11	0.06	-0.83	7.38E-01	no
Mbd1	25.27	28.57	0.18	7.38E-01	no
Nup188	26.57	23.72	-0.16	7.38E-01	no
Pram1	1.24	1.65	0.41	7.38E-01	no
Nup210l	1.81	1.46	-0.31	7.38E-01	no
Ngb	0.17	0.07	-1.33	7.38E-01	no
Ubxn7	18.68	16.66	-0.17	7.38E-01	no
Fam48a	26.69	30.47	0.19	7.39E-01	no
Rbx1	28.14	24.44	-0.20	7.39E-01	no
Agpat5	10.33	8.86	-0.22	7.39E-01	no
Figf	0.00	0.00	1.79769e+	7.39E-01	no
Gm6498	0.00	0.01	1.79769e+	7.39E-01	no
Serpina3k	0.00	0.01	1.79769e+	7.39E-01	no
Gm6924	0.02	0.05	1.62	7.39E-01	no
Cadm4	0.44	0.62	0.50	7.39E-01	no
Agbl3	1.08	1.38	0.36	7.39E-01	no
Chchd5	7.30	8.98	0.30	7.39E-01	no
Cops7a	30.31	26.74	-0.18	7.39E-01	no
Otud1	20.26	17.65	-0.20	7.39E-01	no
Sarnp	34.04	29.33	-0.21	7.39E-01	no
Mocs2	11.77	9.86	-0.26	7.39E-01	no
Usp51	0.32	0.20	-0.67	7.39E-01	no
Rnu73a	9.98	1.69	-2.57	7.39E-01	no
Lrrc8e	0.02	0.07	1.82	7.40E-01	no
Lman1l	0.04	0.12	1.58	7.40E-01	no
Aldh1a3	0.20	0.30	0.57	7.40E-01	no
D9Ert402e	3.12	3.86	0.31	7.40E-01	no
Zfp799	4.55	5.45	0.26	7.40E-01	no

Ifngr2	21.93	25.16	0.20	7.40E-01	no
S1pr4	29.11	32.90	0.18	7.40E-01	no
Zfand5	29.25	33.04	0.18	7.40E-01	no
Ensa	51.34	46.16	-0.15	7.40E-01	no
Cdk8	20.04	17.46	-0.20	7.40E-01	no
Poll	10.71	9.11	-0.23	7.40E-01	no
Ptger4	6.48	5.41	-0.26	7.40E-01	no
1110059G10Ri	5.44	4.49	-0.28	7.40E-01	no
Ndufa5	21.19	17.25	-0.30	7.40E-01	no
Gm4349	6.23	4.90	-0.35	7.40E-01	no
Armc2	0.08	0.04	-1.02	7.40E-01	no
Plekhj1	24.10	20.63	-0.22	7.40E-01	no
G6pc3	13.13	15.59	0.25	7.40E-01	no
Nipa2	12.91	11.13	-0.21	7.40E-01	no
Brp44l	20.05	16.57	-0.28	7.40E-01	no
Whsc2	27.47	24.17	-0.18	7.41E-01	no
Bloc1s3	5.19	6.40	0.30	7.41E-01	no
Zfml	29.14	26.22	-0.15	7.41E-01	no
2010106G01Ri	16.32	14.44	-0.18	7.41E-01	no
Fam89a	1.26	1.70	0.44	7.41E-01	no
Sun1	10.42	11.94	0.20	7.41E-01	no
Nat15	35.55	31.51	-0.17	7.41E-01	no
Jmjd5	9.19	7.74	-0.25	7.41E-01	no
Rac3	1.70	1.24	-0.45	7.41E-01	no
Cnksr2	0.04	0.01	-1.51	7.41E-01	no
A730017L22Ri	1.83	2.35	0.36	7.41E-01	no
Eif3d	49.29	43.90	-0.17	7.41E-01	no
Rbm19	10.06	8.76	-0.20	7.41E-01	no
Arrb2	17.40	14.91	-0.22	7.41E-01	no
Il4ra	4.07	3.42	-0.25	7.41E-01	no
Cbr2	0.08	0.27	1.81	7.42E-01	no
Camkk1	0.37	0.51	0.46	7.42E-01	no
Fam132a	4.97	6.22	0.32	7.42E-01	no
Ppp4r1l-ps	3.73	4.48	0.26	7.42E-01	no
Fn1	3.94	3.39	-0.22	7.42E-01	no
1700040L02Ri	1.47	1.98	0.42	7.42E-01	no
Rab12	9.46	11.25	0.25	7.43E-01	no
Engase	2.92	2.38	-0.29	7.43E-01	no
Hspb8	0.30	0.18	-0.75	7.43E-01	no
Atg13	12.60	14.42	0.19	7.43E-01	no
Begain	1.95	2.45	0.33	7.43E-01	no
Rasl11b	0.70	0.49	-0.53	7.44E-01	no

Rgs14	6.51	7.77	0.26	7.44E-01	no
Farp2	0.27	0.37	0.48	7.44E-01	no
Brd7	33.39	29.66	-0.17	7.44E-01	no
BC046404	4.62	3.72	-0.31	7.44E-01	no
Sar1a	40.90	36.38	-0.17	7.45E-01	no
Paqr3	1.14	0.81	-0.48	7.45E-01	no
Ippk	6.65	5.52	-0.27	7.45E-01	no
Gatad2b	30.23	26.58	-0.19	7.45E-01	no
1110002N22Ri	6.03	7.50	0.31	7.45E-01	no
Thoc1	13.38	11.65	-0.20	7.45E-01	no
Gm12253	0.08	0.24	1.59	7.45E-01	no
Gm527	0.22	0.39	0.78	7.45E-01	no
Ppfia4	0.34	0.46	0.41	7.45E-01	no
Iscu	38.03	43.75	0.20	7.45E-01	no
Arpp19	26.84	24.09	-0.16	7.45E-01	no
Ccdc117	24.45	21.66	-0.17	7.45E-01	no
Ppp2r2a	31.05	27.43	-0.18	7.45E-01	no
Bckdha	25.64	22.38	-0.20	7.45E-01	no
Zc3hc1	18.27	15.73	-0.22	7.45E-01	no
Zswim3	5.06	4.16	-0.28	7.45E-01	no
Dusp3	2.63	2.13	-0.31	7.45E-01	no
Il6ra	1.11	0.85	-0.38	7.45E-01	no
Slc22a13	0.10	0.04	-1.44	7.45E-01	no
Adat3	6.14	4.95	-0.31	7.45E-01	no
9430083A17Ri	0.05	0.10	1.19	7.45E-01	no
Plag1	2.37	2.92	0.30	7.45E-01	no
Sap30bp	16.35	14.14	-0.21	7.45E-01	no
Myl9	0.26	0.11	-1.21	7.45E-01	no
Zfp273	4.39	5.41	0.30	7.45E-01	no
Gpat2	0.13	0.22	0.73	7.45E-01	no
Ndufc1	33.51	27.47	-0.29	7.45E-01	no
Zufsp	11.21	13.16	0.23	7.45E-01	no
Abhd11	15.40	17.94	0.22	7.45E-01	no
Slc25a35	3.37	2.41	-0.49	7.45E-01	no
Srp19	29.64	25.19	-0.24	7.45E-01	no
Synj2bp	9.96	8.84	-0.17	7.45E-01	no
Aoc2	6.03	4.98	-0.27	7.45E-01	no
Sssca1	19.53	16.13	-0.28	7.45E-01	no
Eppk1	0.05	0.03	-0.63	7.45E-01	no
Ipo4	15.37	13.52	-0.19	7.46E-01	no
Urm1	14.46	12.40	-0.22	7.46E-01	no
Tmem41a	5.52	4.39	-0.33	7.46E-01	no

Pid1	0.33	0.22	-0.62	7.46E-01	no
Actr1b	27.40	24.14	-0.18	7.46E-01	no
Gbas	12.66	14.78	0.22	7.46E-01	no
Tbc1d14	18.54	20.62	0.15	7.46E-01	no
Dlat	14.05	12.32	-0.19	7.47E-01	no
B630005N14Ri	9.33	7.98	-0.23	7.47E-01	no
BC049762	0.16	0.35	1.14	7.47E-01	no
Fam160a2	7.86	9.15	0.22	7.47E-01	no
Rnf44	47.60	51.27	0.11	7.47E-01	no
Snx3	47.87	42.29	-0.18	7.47E-01	no
Rnaseh2a	16.46	14.15	-0.22	7.47E-01	no
Osgin2	7.32	6.08	-0.27	7.47E-01	no
Klf17	0.08	0.04	-1.17	7.47E-01	no
Gm9733	0.19	0.49	1.34	7.47E-01	no
Ccdc11	0.08	0.17	0.99	7.47E-01	no
Lgals4	3.41	4.36	0.35	7.47E-01	no
Arl4a	5.94	7.02	0.24	7.47E-01	no
Ciapi1	8.65	7.47	-0.21	7.47E-01	no
1110017F19Ri	1.32	0.94	-0.49	7.47E-01	no
Zfp658	1.01	1.32	0.38	7.47E-01	no
Acbd4	5.73	4.70	-0.29	7.47E-01	no
Rad51l3	3.23	3.81	0.24	7.47E-01	no
Gm13138	0.01	0.00	-1.79769e-	7.47E-01	no
Refbp2	12.30	10.21	-0.27	7.47E-01	no
Gabrd	0.19	0.09	-1.00	7.47E-01	no
Anapc2	34.41	30.70	-0.16	7.47E-01	no
Casp6	9.49	11.43	0.27	7.48E-01	no
Efnb2	0.89	0.68	-0.38	7.48E-01	no
Ppie	24.78	21.25	-0.22	7.48E-01	no
Cyb561	0.31	0.20	-0.62	7.48E-01	no
4732471D19Ri	6.61	5.68	-0.22	7.48E-01	no
Wdr55	15.00	12.71	-0.24	7.48E-01	no
Snhg12	22.08	18.10	-0.29	7.48E-01	no
Rgp1	16.22	18.17	0.16	7.48E-01	no
Zfp953	7.62	6.51	-0.23	7.49E-01	no
Gtf3c1	23.27	20.85	-0.16	7.49E-01	no
Dnajc3	22.32	19.90	-0.17	7.49E-01	no
Pot1a	16.81	14.70	-0.19	7.49E-01	no
Mark4	10.26	11.95	0.22	7.49E-01	no
Tnfrsf17	0.10	0.33	1.78	7.49E-01	no
Dcdc2b	0.97	0.64	-0.60	7.49E-01	no
Kdm3b	31.28	28.05	-0.16	7.49E-01	no

Cd3eap	8.08	6.80	-0.25	7.49E-01	no
Fam35a	5.24	6.24	0.25	7.49E-01	no
Nkiras2	18.24	15.78	-0.21	7.49E-01	no
Cox6b2	10.12	7.88	-0.36	7.49E-01	no
Ptcd2	19.16	16.48	-0.22	7.50E-01	no
Tmx2	26.16	22.87	-0.19	7.50E-01	no
Gpr84	0.16	0.05	-1.81	7.50E-01	no
Slc30a7	6.78	7.70	0.18	7.50E-01	no
Esyt2	18.15	20.36	0.17	7.50E-01	no
Sf3b1	73.00	65.37	-0.16	7.50E-01	no
Vpreb3	219.23	195.91	-0.16	7.50E-01	no
Ssbp2	4.89	4.18	-0.23	7.50E-01	no
Fam173a	34.61	29.59	-0.23	7.50E-01	no
Dcaf7	46.05	41.32	-0.16	7.50E-01	no
Rnf10	51.88	46.54	-0.16	7.50E-01	no
Exoc4	14.15	16.04	0.18	7.50E-01	no
Fnbp1	33.02	30.39	-0.12	7.51E-01	no
Casd1	18.12	20.54	0.18	7.51E-01	no
Adrb2	2.66	3.36	0.34	7.51E-01	no
Sh2d4b	0.15	0.29	0.91	7.51E-01	no
Amh	0.95	0.70	-0.45	7.51E-01	no
Lrrc28	4.95	5.85	0.24	7.51E-01	no
Ccdc73	0.78	0.59	-0.40	7.51E-01	no
Gchfr	0.56	0.28	-0.97	7.51E-01	no
Mcts1	33.08	28.05	-0.24	7.51E-01	no
Apobec2	1.93	1.44	-0.42	7.51E-01	no
Ube3c	16.08	14.27	-0.17	7.52E-01	no
Hes1	18.25	15.50	-0.24	7.52E-01	no
Ppp4r1	26.63	24.07	-0.15	7.53E-01	no
Cilp	0.02	0.05	1.57	7.53E-01	no
2410091C18Ri	8.14	6.81	-0.26	7.53E-01	no
Dfna5	1.31	1.72	0.39	7.53E-01	no
Vps54	18.26	20.52	0.17	7.53E-01	no
lpo8	17.64	15.71	-0.17	7.53E-01	no
Wdr12	14.72	12.89	-0.19	7.53E-01	no
Fam3c	17.82	15.54	-0.20	7.53E-01	no
Qrich1	35.65	32.24	-0.14	7.53E-01	no
P2ry13	0.85	0.63	-0.45	7.54E-01	no
Slc2a1	8.26	6.96	-0.25	7.54E-01	no
Sec31b	1.04	1.32	0.34	7.54E-01	no
Zfp946	5.99	7.16	0.26	7.54E-01	no
Usp40	6.27	7.19	0.20	7.54E-01	no

Usp4	31.50	28.19	-0.16	7.54E-01	no
Mll3	18.50	16.59	-0.16	7.54E-01	no
Padi6	0.03	0.09	1.57	7.54E-01	no
Irak4	6.66	7.88	0.24	7.54E-01	no
Mrpl44	21.29	18.30	-0.22	7.55E-01	no
Mettl1	13.41	11.02	-0.28	7.55E-01	no
Dynlt1a	0.57	0.31	-0.90	7.55E-01	no
Cited4	0.32	0.17	-0.92	7.55E-01	no
D17H6S53E	5.66	7.10	0.33	7.56E-01	no
Fam120b	9.09	10.26	0.17	7.56E-01	no
Ccdc162	0.06	0.12	1.15	7.56E-01	no
Hoxa3	0.63	0.86	0.44	7.56E-01	no
Man2a1	27.53	24.69	-0.16	7.56E-01	no
Myo19	5.12	4.32	-0.24	7.56E-01	no
Coq4	6.80	5.61	-0.28	7.56E-01	no
6030429G01Ri	0.58	0.80	0.45	7.56E-01	no
AV320801	0.00	0.01	1.79769e+	7.56E-01	no
Gm15023	0.00	0.01	1.79769e+	7.56E-01	no
Pramel3	0.00	0.01	1.79769e+	7.56E-01	no
Helb	19.42	17.31	-0.17	7.56E-01	no
Fam193a	18.10	16.12	-0.17	7.56E-01	no
Gm2a	38.25	33.91	-0.17	7.56E-01	no
Hipk2	9.88	8.67	-0.19	7.56E-01	no
Sclt1	8.89	7.60	-0.23	7.56E-01	no
Pycrl	18.15	15.47	-0.23	7.56E-01	no
Ypel1	4.90	4.02	-0.28	7.56E-01	no
Syngr4	0.87	0.60	-0.55	7.56E-01	no
4831426I19Rik	21.91	23.96	0.13	7.56E-01	no
Arpc2	70.21	62.83	-0.16	7.56E-01	no
Rab4a	2.26	2.91	0.36	7.56E-01	no
Trappc9	10.61	12.05	0.18	7.56E-01	no
Svopl	0.30	0.19	-0.66	7.56E-01	no
C2cd2	1.53	1.87	0.29	7.56E-01	no
E330033B04Ri	2.55	2.11	-0.27	7.56E-01	no
Kif4b	0.20	0.13	-0.60	7.56E-01	no
Bud13	14.56	12.60	-0.21	7.56E-01	no
Tm9sf3	35.62	31.99	-0.16	7.56E-01	no
Hist1h2bj	0.00	0.04	1.79769e+	7.56E-01	no
Utp14a	19.05	16.73	-0.19	7.57E-01	no
Khl17	14.25	16.21	0.19	7.57E-01	no
Lingo3	0.02	0.06	1.55	7.57E-01	no
Nipsnap1	10.62	12.50	0.24	7.57E-01	no

Cops7b	19.44	16.99	-0.20	7.57E-01	no
Tgm4	2.37	1.90	-0.32	7.57E-01	no
Tmcc1	9.56	10.83	0.18	7.57E-01	no
Capns1	39.66	44.75	0.17	7.57E-01	no
Spag17	0.14	0.19	0.46	7.57E-01	no
D830015G02R	0.00	0.02	1.79769e+	7.57E-01	no
Clstn3	0.12	0.18	0.59	7.57E-01	no
Slc7a8	0.40	0.53	0.43	7.57E-01	no
9030625A04Ri	2.61	3.27	0.32	7.57E-01	no
Hcfc1r1	11.00	13.17	0.26	7.57E-01	no
Pmpcb	25.53	22.23	-0.20	7.57E-01	no
1810055G02Ri	2.12	1.66	-0.35	7.57E-01	no
Smagp	0.33	0.16	-1.02	7.57E-01	no
Ttc12	0.03	0.08	1.21	7.58E-01	no
Smarcd1	28.62	25.55	-0.16	7.58E-01	no
Cetn2	29.91	25.77	-0.22	7.58E-01	no
Rnf114	23.72	26.63	0.17	7.58E-01	no
D14Erttd668e	0.43	0.60	0.47	7.58E-01	no
Pms1	6.82	5.74	-0.25	7.58E-01	no
C77080	0.31	0.22	-0.44	7.58E-01	no
Csf2ra	21.35	24.30	0.19	7.58E-01	no
Pycard	14.93	12.87	-0.21	7.59E-01	no
Slc16a7	1.39	1.80	0.37	7.59E-01	no
Mepce	25.71	22.93	-0.16	7.59E-01	no
Aars2	9.45	8.20	-0.21	7.59E-01	no
Nme4	14.80	12.25	-0.27	7.59E-01	no
Sp6	0.02	0.07	1.54	7.59E-01	no
Gm13139	1.13	2.84	1.33	7.59E-01	no
Ndufb3	43.79	37.16	-0.24	7.59E-01	no
Cdc37	44.64	40.00	-0.16	7.60E-01	no
Car9	2.21	2.79	0.34	7.60E-01	no
Ddx17	202.57	189.41	-0.10	7.60E-01	no
Fig4	12.58	10.97	-0.20	7.60E-01	no
Lalba	2.84	2.11	-0.43	7.60E-01	no
Apba1	0.26	0.35	0.42	7.60E-01	no
Ppp5c	33.88	38.00	0.17	7.60E-01	no
Imp4	23.73	20.90	-0.18	7.60E-01	no
2610029I01Rik	2.68	3.38	0.34	7.60E-01	no
Bex2	1.82	2.41	0.41	7.60E-01	no
Gga2	19.73	22.05	0.16	7.60E-01	no
4930429B21Ri	0.02	0.10	2.11	7.60E-01	no
Tdrd12	0.08	0.19	1.20	7.60E-01	no

1190005I06Rik	0.32	0.54	0.77	7.60E-01	no
Mst1	0.15	0.25	0.69	7.60E-01	no
Ribc1	1.38	1.79	0.38	7.60E-01	no
4931440P22Ri	1.60	2.05	0.36	7.60E-01	no
Mitd1	13.69	16.28	0.25	7.60E-01	no
Cebpz	21.07	18.79	-0.17	7.60E-01	no
Srbd1	13.25	11.64	-0.19	7.60E-01	no
Med20	23.39	20.49	-0.19	7.60E-01	no
Atp5e	73.75	63.66	-0.21	7.60E-01	no
Kmo	5.44	4.46	-0.29	7.60E-01	no
Flt1	0.03	0.06	1.07	7.61E-01	no
Npas1	0.46	0.65	0.48	7.61E-01	no
B3gnt4	0.49	0.32	-0.63	7.61E-01	no
MacroD2	0.29	0.19	-0.64	7.61E-01	no
Plekhg5	2.00	1.62	-0.31	7.61E-01	no
Stub1	31.01	27.38	-0.18	7.62E-01	no
Zfp608	15.52	17.36	0.16	7.62E-01	no
Akr1b3	21.70	18.73	-0.21	7.62E-01	no
Rpl36a	71.72	62.11	-0.21	7.62E-01	no
Scnn1a	0.02	0.07	1.53	7.62E-01	no
Obscn	0.01	0.02	0.72	7.62E-01	no
Rpp38	4.90	6.14	0.33	7.63E-01	no
Bambi-ps1	1.70	1.28	-0.41	7.63E-01	no
Rps6	21.19	18.20	-0.22	7.63E-01	no
Spin2	0.21	0.37	0.83	7.63E-01	no
Cpped1	5.52	6.60	0.26	7.63E-01	no
Chmp1b	18.55	21.14	0.19	7.63E-01	no
Cep68	23.67	26.42	0.16	7.63E-01	no
Pdia6	41.90	37.43	-0.16	7.63E-01	no
D1ErtD622e	11.23	9.64	-0.22	7.63E-01	no
Bloc1s1	23.20	27.66	0.25	7.63E-01	no
Ptpn3	0.19	0.25	0.46	7.63E-01	no
Senp5	13.47	12.00	-0.17	7.63E-01	no
Fancg	16.69	14.72	-0.18	7.63E-01	no
Mrpl2	29.82	25.76	-0.21	7.63E-01	no
Ccdc21	12.04	13.64	0.18	7.63E-01	no
Pcm1	25.33	22.79	-0.15	7.63E-01	no
Wfikkn1	0.39	0.54	0.47	7.63E-01	no
Crlf2	18.15	20.91	0.20	7.63E-01	no
Ikbkb	26.00	28.56	0.14	7.64E-01	no
Plbd2	9.37	10.74	0.20	7.64E-01	no
Zbtb7a	20.31	22.63	0.16	7.64E-01	no

Ccdc163	11.47	9.54	-0.26	7.64E-01	no
Cpeb1	0.21	0.13	-0.72	7.64E-01	no
Dll1	0.10	0.05	-0.95	7.64E-01	no
Dynlrb2	0.16	0.46	1.53	7.64E-01	no
Celf5	0.02	0.06	1.53	7.64E-01	no
E430018J23Ri	2.36	2.95	0.32	7.64E-01	no
Fasn	23.37	21.06	-0.15	7.64E-01	no
Psmb2	50.62	44.24	-0.19	7.64E-01	no
Mettl2	13.90	12.09	-0.20	7.64E-01	no
Kin	19.08	16.39	-0.22	7.64E-01	no
Rasgrp3	2.77	2.29	-0.28	7.64E-01	no
Far2	3.40	2.78	-0.29	7.64E-01	no
Zfp457	0.33	0.21	-0.68	7.64E-01	no
Mag	0.08	0.03	-1.35	7.64E-01	no
Rnf151	0.19	0.06	-1.76	7.64E-01	no
Pcif1	32.23	28.85	-0.16	7.64E-01	no
Golga7	56.56	50.98	-0.15	7.64E-01	no
Snrk	12.25	13.69	0.16	7.64E-01	no
Top3a	12.89	11.35	-0.18	7.64E-01	no
Kctd2	12.94	15.03	0.22	7.64E-01	no
Btbd1	27.56	24.53	-0.17	7.64E-01	no
Lrrk1	9.24	10.36	0.17	7.65E-01	no
Zgpat	23.64	26.42	0.16	7.65E-01	no
Rps17	299.61	269.53	-0.15	7.65E-01	no
Mzt2	9.40	7.68	-0.29	7.65E-01	no
6030446N20Ri	4.37	5.30	0.28	7.65E-01	no
Terc	1.20	1.78	0.57	7.65E-01	no
Pycr1	0.45	0.33	-0.47	7.65E-01	no
Bglap	0.52	1.12	1.10	7.65E-01	no
Spock2	0.18	0.26	0.50	7.65E-01	no
Uba5	13.12	15.11	0.20	7.65E-01	no
Rsf1	10.97	9.83	-0.16	7.65E-01	no
B230208H17Ri	25.73	23.02	-0.16	7.65E-01	no
Vac14	21.48	19.11	-0.17	7.65E-01	no
Gm5506	114.99	102.03	-0.17	7.65E-01	no
Cript	25.45	21.81	-0.22	7.65E-01	no
Chchd6	12.55	10.50	-0.26	7.65E-01	no
Polr2f	27.41	22.88	-0.26	7.65E-01	no
Arl6	3.56	2.81	-0.34	7.65E-01	no
Setbp1	0.05	0.03	-0.71	7.65E-01	no
Grin2d	0.07	0.03	-1.02	7.65E-01	no
Snx16	1.66	2.13	0.36	7.65E-01	no

Srr	5.54	6.73	0.28	7.65E-01	no
BC016423	15.19	16.91	0.15	7.65E-01	no
Pppde2	48.33	53.71	0.15	7.65E-01	no
Ppp6c	39.04	34.42	-0.18	7.65E-01	no
Tspan3	14.05	11.95	-0.23	7.65E-01	no
Tmem56	0.10	0.05	-0.88	7.65E-01	no
Il17rc	0.11	0.05	-1.24	7.65E-01	no
1700034H15Ri	0.06	0.02	-1.57	7.65E-01	no
Bik	0.29	0.49	0.75	7.65E-01	no
Pten	57.87	64.47	0.16	7.65E-01	no
Wdr1	51.33	46.20	-0.15	7.65E-01	no
Skp1a	67.80	60.61	-0.16	7.65E-01	no
Polr2g	33.12	28.48	-0.22	7.65E-01	no
Rrp36	16.79	14.29	-0.23	7.65E-01	no
Timm23	11.42	9.47	-0.27	7.65E-01	no
Scgn	0.19	0.08	-1.26	7.65E-01	no
E330013P04Ri	0.10	0.04	-1.45	7.66E-01	no
Ermap	0.53	0.69	0.38	7.66E-01	no
Gemin8	7.71	6.41	-0.27	7.66E-01	no
Ndfip2	10.57	12.29	0.22	7.66E-01	no
Chuk	19.84	17.76	-0.16	7.66E-01	no
Top2b	65.21	58.71	-0.15	7.66E-01	no
Gpc4	0.08	0.03	-1.41	7.66E-01	no
Uhrf2	30.78	34.28	0.16	7.66E-01	no
Scp2	29.18	32.69	0.16	7.66E-01	no
Etohi1	2.27	2.79	0.30	7.67E-01	no
Eif1	44.22	39.01	-0.18	7.67E-01	no
Ap4e1	11.49	10.21	-0.17	7.67E-01	no
Magohb	10.31	8.31	-0.31	7.67E-01	no
1110021L09Ri	0.19	0.29	0.63	7.68E-01	no
2810453I06Rik	6.32	5.29	-0.26	7.68E-01	no
1110001J03Rik	19.44	15.83	-0.30	7.68E-01	no
Megf9	5.88	4.94	-0.25	7.69E-01	no
Gm16378	1.62	1.14	-0.50	7.69E-01	no
LOC100034739	0.07	0.04	-0.91	7.69E-01	no
Rnf216	24.28	22.16	-0.13	7.69E-01	no
Tmem151b	0.37	0.49	0.42	7.69E-01	no
Rfx7	33.46	30.18	-0.15	7.69E-01	no
Vmn2r27	0.11	0.03	-1.73	7.69E-01	no
Nf2	20.16	18.08	-0.16	7.69E-01	no
Plaa	15.83	14.18	-0.16	7.69E-01	no
Edem1	24.32	21.88	-0.15	7.69E-01	no

Nadsyn1	5.07	6.04	0.25	7.69E-01	no
Cept1	11.74	13.59	0.21	7.69E-01	no
Snap47	4.63	5.63	0.28	7.70E-01	no
Rab27a	16.90	14.89	-0.18	7.70E-01	no
Dpf1	0.29	0.20	-0.59	7.70E-01	no
Maff	0.33	0.21	-0.66	7.70E-01	no
5730559C18Ri	0.12	0.06	-0.91	7.70E-01	no
Akirin1	27.88	24.76	-0.17	7.70E-01	no
Lman1	23.88	21.41	-0.16	7.70E-01	no
4930513N10Ri	3.21	2.62	-0.30	7.70E-01	no
Plcg2	47.53	42.90	-0.15	7.70E-01	no
Txn2	46.38	41.20	-0.17	7.70E-01	no
Zfp36l3	0.03	0.10	1.68	7.71E-01	no
Exd1	0.09	0.15	0.72	7.71E-01	no
Fbxo25	4.97	6.01	0.27	7.71E-01	no
Herpud2	13.44	15.36	0.19	7.71E-01	no
Park7	50.87	44.86	-0.18	7.71E-01	no
Scamp4	17.95	15.55	-0.21	7.71E-01	no
BC019943	13.62	11.79	-0.21	7.71E-01	no
Snf8	28.76	24.86	-0.21	7.71E-01	no
Def8	6.47	5.54	-0.22	7.71E-01	no
Gm6644	15.66	13.32	-0.23	7.71E-01	no
Spats1	0.26	0.12	-1.09	7.71E-01	no
4930453N24Ri	19.59	16.78	-0.22	7.71E-01	no
Gm5124	1.76	1.38	-0.35	7.71E-01	no
Tax1bp3	17.07	19.81	0.21	7.72E-01	no
Cib2	0.29	0.53	0.86	7.72E-01	no
Bckdhb	6.15	7.51	0.29	7.72E-01	no
Fam117a	25.77	28.90	0.17	7.72E-01	no
Ghrl	0.47	0.80	0.79	7.72E-01	no
Poldip2	22.73	20.02	-0.18	7.72E-01	no
Jam3	1.27	0.97	-0.39	7.72E-01	no
Lass3	0.06	0.02	-1.43	7.72E-01	no
Mettl8	9.86	11.43	0.21	7.72E-01	no
Arsb	12.39	10.91	-0.18	7.72E-01	no
Ppp4c	51.10	45.59	-0.16	7.72E-01	no
Extl1	0.06	0.03	-1.23	7.72E-01	no
Fam194a	0.04	0.12	1.49	7.72E-01	no
Glipr1	6.58	8.08	0.30	7.72E-01	no
Vps11	17.51	19.67	0.17	7.72E-01	no
2310044G17Ri	17.49	19.46	0.15	7.72E-01	no
Golga2	16.28	18.01	0.15	7.72E-01	no

Malt1	15.28	13.63	-0.17	7.72E-01	no
Oxsr1	17.35	15.07	-0.20	7.72E-01	no
3110056O03Ri	10.91	9.47	-0.20	7.72E-01	no
3110001D03Ri	30.47	25.92	-0.23	7.72E-01	no
Arl10	5.72	4.60	-0.31	7.72E-01	no
Ypel5	14.15	16.21	0.20	7.72E-01	no
Gpn1	14.45	12.44	-0.22	7.72E-01	no
Cyp26c1	0.16	0.07	-1.22	7.72E-01	no
Slc46a1	1.04	1.35	0.38	7.73E-01	no
Riok1	20.03	17.67	-0.18	7.73E-01	no
Ubl7	26.00	29.46	0.18	7.73E-01	no
4930588N13Ri	0.27	0.14	-0.98	7.73E-01	no
Plagl1	0.03	0.06	1.16	7.73E-01	no
Mboat1	0.26	0.37	0.51	7.73E-01	no
Tubb4	0.55	0.74	0.44	7.73E-01	no
Elac1	3.30	3.92	0.25	7.73E-01	no
Wars2	4.13	4.86	0.24	7.73E-01	no
Apbb3	10.24	11.91	0.22	7.73E-01	no
Tet3	19.28	21.36	0.15	7.73E-01	no
Anapc7	23.86	21.27	-0.17	7.73E-01	no
Metap1	21.23	18.75	-0.18	7.73E-01	no
Tsg101	26.52	23.31	-0.19	7.73E-01	no
Bcl10	22.46	19.62	-0.20	7.73E-01	no
Vamp8	35.88	31.14	-0.20	7.73E-01	no
Ccnj	9.16	7.95	-0.20	7.73E-01	no
Tceb1	34.31	29.52	-0.22	7.73E-01	no
Pgm3	4.21	3.39	-0.31	7.73E-01	no
Ldlrad1	0.08	0.24	1.67	7.73E-01	no
Zfand2b	12.98	15.07	0.22	7.73E-01	no
Sh3rf1	5.54	6.38	0.20	7.73E-01	no
Tmem43	15.78	13.89	-0.18	7.73E-01	no
LOC100270707	0.09	0.18	0.97	7.74E-01	no
Slc16a5	0.09	0.16	0.78	7.74E-01	no
Map3k6	0.10	0.14	0.59	7.74E-01	no
Zfp558	1.14	1.44	0.34	7.74E-01	no
Apoo-ps	4.55	3.49	-0.38	7.74E-01	no
Sdf2	21.56	24.83	0.20	7.74E-01	no
Gm889	2.51	1.94	-0.37	7.74E-01	no
Gtf3c6	19.94	16.95	-0.23	7.74E-01	no
Lcmt2	5.76	6.75	0.23	7.74E-01	no
Homer1	4.18	3.50	-0.26	7.74E-01	no
Rrn3	18.73	16.68	-0.17	7.74E-01	no

Tcfap4	14.82	12.89	-0.20	7.74E-01	no
Ccdc14	7.63	6.61	-0.21	7.74E-01	no
0610012G03Ri	12.09	10.22	-0.24	7.74E-01	no
Anks3	13.02	14.85	0.19	7.75E-01	no
Elf2	38.07	34.22	-0.15	7.75E-01	no
Fbxl3	19.79	22.12	0.16	7.75E-01	no
Fut7	0.14	0.28	1.03	7.75E-01	no
Fto	21.62	19.35	-0.16	7.75E-01	no
Zfp692-ps	15.28	13.36	-0.19	7.75E-01	no
Rpusd1	10.75	9.13	-0.24	7.75E-01	no
Trib2	16.09	14.28	-0.17	7.75E-01	no
Rln3	0.16	0.43	1.48	7.75E-01	no
1700001O22Ri	0.15	0.27	0.87	7.75E-01	no
Ccr1	0.34	0.48	0.52	7.75E-01	no
2410002I01Rik	8.17	9.45	0.21	7.75E-01	no
Ttc17	8.69	9.85	0.18	7.75E-01	no
Cd79a	453.86	508.71	0.16	7.75E-01	no
Mrps28	23.31	19.73	-0.24	7.75E-01	no
F8a	5.34	4.43	-0.27	7.75E-01	no
Ramp2	0.56	0.33	-0.76	7.75E-01	no
Tmc3	0.25	0.35	0.45	7.75E-01	no
Rab5c	53.45	59.49	0.15	7.75E-01	no
Tgoln1,Tgoln2	22.98	25.55	0.15	7.75E-01	no
Ints6	11.70	10.37	-0.17	7.75E-01	no
Slc23a1	3.25	2.67	-0.28	7.75E-01	no
Pdzd9	0.19	0.06	-1.68	7.75E-01	no
Slc5a5	0.15	0.09	-0.79	7.76E-01	no
Snupn	6.49	5.30	-0.29	7.76E-01	no
Abi1	54.47	50.32	-0.11	7.76E-01	no
Vdac1	59.76	53.77	-0.15	7.76E-01	no
4930467E23Ri	0.15	0.07	-1.12	7.76E-01	no
Alkbh2	4.36	3.49	-0.32	7.76E-01	no
Chtf8	63.85	57.72	-0.15	7.77E-01	no
3110082I17Rik	12.34	10.01	-0.30	7.77E-01	no
Gm221	0.08	0.15	0.88	7.77E-01	no
Fam158a	0.68	0.99	0.54	7.77E-01	no
Tpk1	3.77	4.58	0.28	7.77E-01	no
Vasp	31.54	35.20	0.16	7.77E-01	no
Gga1	21.14	23.58	0.16	7.77E-01	no
Tollip	22.98	25.61	0.16	7.77E-01	no
2900002K06Ri	2.09	1.56	-0.42	7.77E-01	no
Grk1	0.03	0.01	-1.37	7.77E-01	no

Med25	22.30	19.80	-0.17	7.77E-01	no
1700001P01Ri	0.25	0.53	1.08	7.77E-01	no
H2-Q10	0.13	0.23	0.83	7.78E-01	no
Pdcd11	17.79	16.03	-0.15	7.78E-01	no
Agfg1	30.08	27.00	-0.16	7.78E-01	no
Scand3	16.79	14.74	-0.19	7.78E-01	no
Gm600	0.08	0.03	-1.68	7.78E-01	no
2400003C14Ri	43.26	38.88	-0.15	7.78E-01	no
Pigs	18.72	21.10	0.17	7.78E-01	no
3-Mar	0.52	0.36	-0.51	7.78E-01	no
Ankrd45	0.10	0.05	-0.91	7.78E-01	no
Parp6	10.02	11.55	0.20	7.78E-01	no
Trim25	45.57	41.20	-0.15	7.78E-01	no
Mapk1ip1	16.90	19.51	0.21	7.78E-01	no
Rexo1	25.99	23.48	-0.15	7.78E-01	no
B430306N03Ri	0.58	0.75	0.39	7.79E-01	no
Pabpc1l	0.10	0.17	0.81	7.79E-01	no
Rims3	0.84	1.16	0.46	7.79E-01	no
Hsd17b4	18.40	20.76	0.17	7.79E-01	no
Il17ra	55.11	49.74	-0.15	7.79E-01	no
Btaf1	14.36	12.94	-0.15	7.79E-01	no
Psm7	61.07	54.23	-0.17	7.79E-01	no
Jag2	3.52	2.95	-0.25	7.79E-01	no
Trdmt1	5.98	5.00	-0.26	7.79E-01	no
E330016A19Ri	0.92	0.71	-0.38	7.79E-01	no
Ap1g1	25.86	23.24	-0.15	7.79E-01	no
Dapk2	0.04	0.11	1.46	7.79E-01	no
Crocc	9.24	8.36	-0.15	7.79E-01	no
Smc5	24.02	21.54	-0.16	7.79E-01	no
B4galt7	11.73	9.99	-0.23	7.79E-01	no
Polr3d	7.68	8.96	0.22	7.79E-01	no
Rap2b	10.88	9.57	-0.19	7.79E-01	no
1110006O24Ri	1.64	2.19	0.42	7.79E-01	no
Gcsh	20.71	17.86	-0.21	7.79E-01	no
Rpl31	10.67	8.82	-0.28	7.79E-01	no
Ubr5	26.50	24.57	-0.11	7.80E-01	no
Supt5h	43.81	39.64	-0.14	7.80E-01	no
Ndufs3	45.69	40.19	-0.18	7.80E-01	no
Timm10	14.04	11.58	-0.28	7.80E-01	no
Akt2	40.85	37.37	-0.13	7.80E-01	no
Acvr1b	9.11	7.90	-0.21	7.80E-01	no
Arl4c	9.16	8.01	-0.19	7.81E-01	no

Sox13	1.26	1.56	0.32	7.81E-01	no
Mrpl52	30.14	25.11	-0.26	7.81E-01	no
Setdb2	9.15	7.89	-0.21	7.81E-01	no
Dagla	0.06	0.03	-0.91	7.81E-01	no
Spin1	37.73	34.31	-0.14	7.81E-01	no
Tjap1	17.34	19.51	0.17	7.81E-01	no
Siae	6.89	5.90	-0.22	7.81E-01	no
Cbwd1	7.55	6.36	-0.25	7.81E-01	no
Cox7a1	2.36	3.25	0.46	7.82E-01	no
4921513D23Ri	27.65	30.57	0.14	7.82E-01	no
Olfml3	0.12	0.21	0.83	7.82E-01	no
Trim26	16.67	18.67	0.16	7.82E-01	no
Ubn1	33.33	36.82	0.14	7.82E-01	no
Hipk3	24.24	22.29	-0.12	7.82E-01	no
Phpt1	27.80	23.55	-0.24	7.82E-01	no
Casp7	18.98	16.75	-0.18	7.82E-01	no
Nup98	23.88	21.48	-0.15	7.82E-01	no
Pygm	3.17	3.83	0.27	7.82E-01	no
Gpld1	11.20	9.94	-0.17	7.82E-01	no
2310016M24R	22.80	26.66	0.23	7.83E-01	no
Arfgef2	15.88	17.55	0.14	7.83E-01	no
Fbln1	0.18	0.26	0.52	7.83E-01	no
Mrpl22	11.56	9.50	-0.28	7.83E-01	no
Haa0	4.11	5.07	0.31	7.83E-01	no
Rhbdd2	4.69	5.46	0.22	7.83E-01	no
Safb2	42.05	38.05	-0.14	7.83E-01	no
Stt3a	45.95	41.41	-0.15	7.83E-01	no
Pcmt1	24.87	21.97	-0.18	7.83E-01	no
2410022L05Ril	0.63	0.39	-0.68	7.83E-01	no
Rbpjl	0.18	0.10	-0.78	7.83E-01	no
Crkl	36.01	32.53	-0.15	7.83E-01	no
2810403A07Ri	30.17	27.11	-0.15	7.83E-01	no
Cth	0.46	0.31	-0.56	7.83E-01	no
Anxa9	0.61	1.68	1.45	7.83E-01	no
Galr2	0.34	0.48	0.51	7.83E-01	no
Cd200r4	0.07	0.19	1.41	7.83E-01	no
Akr1e1	7.19	8.59	0.26	7.83E-01	no
Trcg1	0.07	0.03	-1.34	7.83E-01	no
Cetn4	1.32	0.97	-0.45	7.83E-01	no
Tmem184b	9.61	10.95	0.19	7.84E-01	no
Ythdf3	36.19	33.51	-0.11	7.84E-01	no
Wdr77	22.26	19.94	-0.16	7.84E-01	no

Slc25a15	9.39	8.16	-0.20	7.84E-01	no
Map6d1	0.10	0.17	0.69	7.84E-01	no
Otud4	37.57	34.04	-0.14	7.84E-01	no
Ilk	39.54	35.81	-0.14	7.84E-01	no
6530418L21Ri	1.00	1.25	0.33	7.84E-01	no
Serhl	10.98	12.89	0.23	7.84E-01	no
Tmem186	16.70	14.78	-0.18	7.85E-01	no
Ltv1	19.34	16.94	-0.19	7.85E-01	no
Rpl23	417.99	377.88	-0.15	7.85E-01	no
Parg	18.44	16.56	-0.16	7.85E-01	no
Ube2j1	39.91	44.14	0.15	7.85E-01	no
Zfp238	61.20	56.59	-0.11	7.85E-01	no
Gtf2h3	13.52	11.85	-0.19	7.85E-01	no
Adamts6	2.54	3.03	0.26	7.85E-01	no
Kcnk4	0.06	0.15	1.21	7.85E-01	no
Vsig2	1.22	1.62	0.40	7.85E-01	no
Kat2b	16.22	17.93	0.14	7.85E-01	no
Stat3	19.75	21.68	0.13	7.85E-01	no
Pfkl	16.00	14.30	-0.16	7.85E-01	no
Zdhhc3	9.70	8.67	-0.16	7.85E-01	no
Ddx10	17.19	15.32	-0.17	7.85E-01	no
Aprt	25.64	22.06	-0.22	7.85E-01	no
Eif4ebp1	21.55	18.52	-0.22	7.85E-01	no
Elovl7	0.12	0.18	0.53	7.85E-01	no
Hint2	10.61	12.94	0.29	7.85E-01	no
Serp2	0.50	0.27	-0.91	7.85E-01	no
D030028A08R	2.88	3.47	0.27	7.86E-01	no
Dicer1	21.25	19.26	-0.14	7.86E-01	no
Slc20a2	10.55	9.27	-0.19	7.86E-01	no
5430416N02Ri	10.69	8.70	-0.30	7.86E-01	no
Efemp2	0.14	0.05	-1.64	7.86E-01	no
Ncam1	0.04	0.08	0.89	7.86E-01	no
2410001C21Ri	32.13	28.83	-0.16	7.86E-01	no
Aim1l	0.50	0.39	-0.37	7.86E-01	no
Smpd2	7.53	8.94	0.25	7.87E-01	no
Lnpep	33.24	30.08	-0.14	7.87E-01	no
Zfp628	9.95	8.74	-0.19	7.87E-01	no
Ube2v2	5.05	4.36	-0.21	7.87E-01	no
Arhgap39	2.12	1.76	-0.27	7.87E-01	no
Itga10	1.33	1.08	-0.29	7.87E-01	no
Pcgf3	14.00	12.41	-0.17	7.87E-01	no
Slc25a45	10.61	12.31	0.22	7.87E-01	no

Eif3i	45.90	40.87	-0.17	7.87E-01	no
Zcchc9	16.21	13.97	-0.21	7.87E-01	no
Fhdc1	0.07	0.04	-0.93	7.87E-01	no
Prkca	9.93	11.03	0.15	7.87E-01	no
Man2c1	16.44	18.38	0.16	7.87E-01	no
Myst3	31.08	28.17	-0.14	7.87E-01	no
Ryr2	0.02	0.04	0.64	7.87E-01	no
Ccdc32	10.21	11.86	0.22	7.87E-01	no
Dpcd	11.12	9.39	-0.24	7.87E-01	no
Zfp770	8.24	7.17	-0.20	7.88E-01	no
Nkapl	0.27	0.41	0.64	7.88E-01	no
Snx1	35.12	31.54	-0.15	7.88E-01	no
Sar1b	21.63	18.68	-0.21	7.88E-01	no
Fam163b	0.02	0.06	1.44	7.88E-01	no
Dixdc1	0.12	0.17	0.50	7.88E-01	no
Arhgef10	0.72	0.91	0.34	7.88E-01	no
Tk2	13.48	15.34	0.19	7.88E-01	no
Casp2	44.85	40.60	-0.14	7.88E-01	no
Dhx16	29.55	26.71	-0.15	7.88E-01	no
Stk16	19.84	17.69	-0.16	7.88E-01	no
Uhrf1bp1	1.81	1.53	-0.24	7.88E-01	no
Scand1	28.65	32.97	0.20	7.88E-01	no
Slc16a8	0.06	0.15	1.20	7.88E-01	no
Farsa	27.67	24.64	-0.17	7.88E-01	no
Mtrnr2l	27.20	33.01	0.28	7.88E-01	no
Tmem18	12.31	14.02	0.19	7.88E-01	no
Snn	94.12	85.36	-0.14	7.88E-01	no
AA408296	7.42	6.54	-0.18	7.88E-01	no
Exosc10	27.32	24.59	-0.15	7.88E-01	no
Atp1a3	0.91	1.16	0.34	7.89E-01	no
Mylk	3.30	3.77	0.19	7.89E-01	no
Pign	9.62	10.94	0.19	7.89E-01	no
Abca3	13.55	14.90	0.14	7.89E-01	no
Gm13315	0.93	0.70	-0.41	7.89E-01	no
1500032L24Ril	53.44	46.85	-0.19	7.89E-01	no
Itpripl1	9.31	8.17	-0.19	7.89E-01	no
Snx15	9.00	7.60	-0.24	7.89E-01	no
Kat5	25.03	22.59	-0.15	7.89E-01	no
Cd46	1.33	1.76	0.40	7.89E-01	no
6-Mar	25.35	22.94	-0.14	7.89E-01	no
Grin2c	0.02	0.04	1.42	7.89E-01	no
Erc3	18.92	16.84	-0.17	7.89E-01	no

Tmod4	0.63	0.86	0.45	7.89E-01	no
Mtap1s	15.70	13.99	-0.17	7.89E-01	no
Trim7	5.57	4.58	-0.28	7.89E-01	no
Plac8	94.86	105.79	0.16	7.90E-01	no
Ebf1	66.05	59.81	-0.14	7.90E-01	no
Fam154b	0.07	0.13	0.92	7.90E-01	no
Acyp1	14.43	17.29	0.26	7.90E-01	no
Zbtb24	9.70	11.08	0.19	7.90E-01	no
Prim2	30.23	33.75	0.16	7.90E-01	no
Rint1	9.67	8.45	-0.20	7.90E-01	no
Tcap	0.34	0.18	-0.90	7.90E-01	no
Prkci	12.09	10.74	-0.17	7.90E-01	no
Plekha8	1.07	1.30	0.29	7.90E-01	no
Krit1	13.59	12.36	-0.14	7.90E-01	no
Sqle	11.66	10.15	-0.20	7.91E-01	no
Rhou	0.09	0.14	0.72	7.91E-01	no
Rnf215	5.81	6.88	0.25	7.91E-01	no
2410004A20Ri	0.15	0.25	0.74	7.91E-01	no
1700030C10Ri	0.39	0.54	0.50	7.91E-01	no
Zmat3	0.75	0.92	0.30	7.91E-01	no
Fam63a	8.53	9.74	0.19	7.91E-01	no
Rps14	390.97	430.58	0.14	7.91E-01	no
Samd8	4.62	4.01	-0.20	7.91E-01	no
Bbs1	2.87	2.44	-0.24	7.91E-01	no
Ccdc46	0.11	0.06	-0.86	7.91E-01	no
Fndc7	0.04	0.07	1.02	7.91E-01	no
Epc2	16.86	15.11	-0.16	7.91E-01	no
Fut8	19.62	21.93	0.16	7.91E-01	no
Fcgrt	0.56	0.76	0.44	7.91E-01	no
Mpg	7.21	8.53	0.24	7.91E-01	no
Zcchc3	7.50	8.63	0.20	7.91E-01	no
Ppp3cc	20.29	22.91	0.18	7.91E-01	no
Recql5	12.58	11.16	-0.17	7.91E-01	no
Ddx31	7.54	6.53	-0.21	7.91E-01	no
Als2cr4	1.50	1.12	-0.41	7.91E-01	no
Lrrc67	0.20	0.08	-1.26	7.91E-01	no
Ggcx	6.24	5.31	-0.23	7.92E-01	no
Ifitm6	0.76	1.18	0.64	7.92E-01	no
Vsx1	0.05	0.02	-1.31	7.92E-01	no
Slc2a4	0.07	0.03	-1.31	7.92E-01	no
AW146154	3.90	4.63	0.25	7.92E-01	no
Sync	0.09	0.03	-1.57	7.92E-01	no

Grm6	0.02	0.04	1.42	7.93E-01	no
Pigx	14.25	16.75	0.23	7.93E-01	no
Aurkaip1	39.26	34.41	-0.19	7.93E-01	no
6330408A02Ri	2.60	2.16	-0.27	7.93E-01	no
4930503E24Ri	9.01	7.56	-0.25	7.93E-01	no
Znrf1	30.84	34.05	0.14	7.93E-01	no
Gtf3a	33.13	29.39	-0.17	7.93E-01	no
D930015E06Ri	59.42	53.99	-0.14	7.93E-01	no
Tars	23.91	21.44	-0.16	7.93E-01	no
Mrpl17	5.18	4.52	-0.20	7.93E-01	no
Cct8l1	0.03	0.09	1.41	7.94E-01	no
1810013D10Ri	26.13	29.98	0.20	7.94E-01	no
Tceb3	20.35	18.38	-0.15	7.94E-01	no
Timm44	25.21	22.44	-0.17	7.94E-01	no
Ndufa2	48.79	42.39	-0.20	7.94E-01	no
Ccdc76	5.36	4.55	-0.23	7.94E-01	no
Tarbp1	31.65	28.69	-0.14	7.94E-01	no
Rasl10b	0.02	0.06	1.57	7.94E-01	no
Tmem74	0.13	0.25	0.89	7.94E-01	no
Psmb10	28.84	32.53	0.17	7.94E-01	no
Pcbp1	108.63	98.75	-0.14	7.94E-01	no
Gnai2	98.76	89.76	-0.14	7.94E-01	no
Setd3	29.99	27.01	-0.15	7.94E-01	no
Ppme1	17.63	15.59	-0.18	7.94E-01	no
Erp27	2.08	1.59	-0.39	7.94E-01	no
Chi3l4	0.45	0.64	0.50	7.94E-01	no
1810008A18Ri	17.44	19.57	0.17	7.94E-01	no
Zfp184	2.73	2.24	-0.29	7.94E-01	no
Stx11	1.34	1.02	-0.39	7.94E-01	no
3110049J23Ri	0.09	0.16	0.83	7.94E-01	no
Ankrd39	7.14	8.44	0.24	7.94E-01	no
Drg2	20.49	18.05	-0.18	7.94E-01	no
Gpx2	0.17	0.04	-2.22	7.94E-01	no
Zfp661	2.44	2.95	0.27	7.94E-01	no
Ik	40.75	36.78	-0.15	7.94E-01	no
Brix1	22.08	19.73	-0.16	7.94E-01	no
Efnb3	0.85	0.66	-0.35	7.94E-01	no
Kbtbd13	0.27	0.19	-0.52	7.94E-01	no
Itпка	1.28	1.00	-0.37	7.94E-01	no
Flt4	0.03	0.06	0.85	7.94E-01	no
Calhm2	4.74	5.68	0.26	7.94E-01	no
Il22ra2	0.03	0.08	1.50	7.95E-01	no

Nr2c1	2.41	2.90	0.27	7.95E-01	no
Eif4g3	30.47	27.70	-0.14	7.95E-01	no
Znhit6	5.48	4.65	-0.24	7.95E-01	no
1500001M20R	11.96	10.12	-0.24	7.95E-01	no
Popdc3	0.16	0.08	-0.94	7.95E-01	no
Trim11	46.92	51.74	0.14	7.95E-01	no
Fcho1	78.99	73.01	-0.11	7.95E-01	no
Atad2b	17.41	15.79	-0.14	7.95E-01	no
Polrmt	15.62	14.01	-0.16	7.95E-01	no
Cdc73	18.83	16.72	-0.17	7.95E-01	no
D6Wsu163e	13.99	12.25	-0.19	7.95E-01	no
Bud31	37.88	32.97	-0.20	7.95E-01	no
Tff1	0.27	0.62	1.20	7.95E-01	no
Npb	0.32	0.59	0.89	7.95E-01	no
Blcap	9.20	10.72	0.22	7.95E-01	no
Psenen	37.24	42.74	0.20	7.95E-01	no
Slc9a7	11.29	9.80	-0.20	7.95E-01	no
Abca6	0.17	0.10	-0.85	7.95E-01	no
Atp5j2	68.42	60.07	-0.19	7.95E-01	no
Neu3	2.50	3.01	0.27	7.95E-01	no
Tradd	19.41	22.13	0.19	7.95E-01	no
Setdb1	25.41	23.26	-0.13	7.95E-01	no
Ggt1	0.12	0.21	0.79	7.95E-01	no
Pkd2	0.06	0.09	0.69	7.95E-01	no
Gcnt7	0.27	0.38	0.49	7.95E-01	no
Cdhr4	1.74	2.25	0.37	7.95E-01	no
Hnrnpf	157.10	148.08	-0.09	7.95E-01	no
Eif4b	77.85	70.82	-0.14	7.95E-01	no
Ube2d3	88.02	80.00	-0.14	7.95E-01	no
Lbh	49.98	45.37	-0.14	7.95E-01	no
Cd5l	0.14	0.07	-1.05	7.95E-01	no
Cela1	0.19	0.06	-1.61	7.95E-01	no
Dnajc18	5.75	5.01	-0.20	7.96E-01	no
Ddhd2	6.07	6.96	0.20	7.96E-01	no
Phf23	21.42	23.96	0.16	7.96E-01	no
Zmynd8	22.18	24.47	0.14	7.96E-01	no
Plekhm1	24.17	21.94	-0.14	7.96E-01	no
Tprkb	9.87	8.50	-0.22	7.96E-01	no
1110031I02Rik	5.73	4.71	-0.28	7.96E-01	no
Nudt13	5.34	6.29	0.24	7.96E-01	no
Lca5l	0.07	0.03	-1.16	7.96E-01	no
2810474O19Ri	20.07	22.15	0.14	7.96E-01	no

Zfp51	8.51	9.85	0.21	7.96E-01	no
Jun	6.24	7.21	0.21	7.96E-01	no
Dand5	1.59	2.04	0.36	7.96E-01	no
Fkbp1b	0.16	0.31	0.96	7.97E-01	no
Slc36a2	0.13	0.21	0.66	7.97E-01	no
Rem2	2.51	3.08	0.29	7.97E-01	no
Ppp1r9a	0.90	1.08	0.27	7.97E-01	no
Fam169b	4.57	5.39	0.24	7.97E-01	no
AW146020	6.13	7.09	0.21	7.97E-01	no
Cachd1	0.04	0.01	-1.58	7.97E-01	no
Cdc40	21.03	18.65	-0.17	7.97E-01	no
Scg5	0.18	0.06	-1.59	7.97E-01	no
Pigyl	18.06	15.23	-0.25	7.97E-01	no
Tada1	21.94	19.51	-0.17	7.97E-01	no
Rnf111	19.05	21.07	0.15	7.97E-01	no
Bicd1	0.61	0.78	0.35	7.97E-01	no
Triap1	22.11	19.08	-0.21	7.97E-01	no
Psmg4	25.53	29.73	0.22	7.97E-01	no
Psemb6	42.01	37.33	-0.17	7.97E-01	no
Psma8	0.35	0.51	0.52	7.97E-01	no
Trap1	40.04	36.24	-0.14	7.97E-01	no
Cdc37l1	24.29	21.70	-0.16	7.97E-01	no
Grb10	1.21	1.48	0.29	7.98E-01	no
Saa3	0.15	0.39	1.42	7.98E-01	no
AA881470	10.34	11.59	0.16	7.98E-01	no
Timm8b	24.72	20.88	-0.24	7.98E-01	no
Smad1	5.92	6.88	0.22	7.98E-01	no
Gpn2	14.15	12.19	-0.22	7.98E-01	no
Dscaml1	0.02	0.04	0.91	7.99E-01	no
Pofut2	8.75	10.08	0.20	7.99E-01	no
Mmd	10.58	9.16	-0.21	7.99E-01	no
Coq10b	5.65	4.68	-0.27	7.99E-01	no
Zbtb39	5.43	4.76	-0.19	7.99E-01	no
BC048644	0.10	0.05	-1.08	7.99E-01	no
Tm9sf1	25.81	23.18	-0.15	7.99E-01	no
Trpm7	26.51	28.74	0.12	8.00E-01	no
Cntrob	19.88	17.97	-0.15	8.00E-01	no
Vmn2r18	0.10	0.03	-1.59	8.00E-01	no
Bcas2	29.71	26.28	-0.18	8.00E-01	no
Car7	0.20	0.31	0.65	8.00E-01	no
Snhg10	1.71	2.31	0.43	8.00E-01	no
Zfp346	14.20	12.67	-0.16	8.00E-01	no

Stk11	50.71	45.88	-0.14	8.00E-01	no
Rilp	0.44	0.31	-0.51	8.00E-01	no
Med29	5.75	4.86	-0.24	8.00E-01	no
Slfn10-ps	6.98	8.01	0.20	8.00E-01	no
Usp48	23.34	21.22	-0.14	8.00E-01	no
Nosip	22.70	20.35	-0.16	8.00E-01	no
Plaur	0.54	0.73	0.45	8.00E-01	no
2300009A05Ri	8.48	6.88	-0.30	8.00E-01	no
Slc5a11	0.18	0.27	0.61	8.00E-01	no
Aco1	5.92	6.77	0.19	8.01E-01	no
Gstp1	52.70	46.61	-0.18	8.01E-01	no
Erc5	5.98	6.85	0.19	8.01E-01	no
Ip6k1	40.72	44.75	0.14	8.01E-01	no
Gramd3	7.90	6.80	-0.22	8.01E-01	no
2310016C08Ri	12.41	14.62	0.24	8.01E-01	no
B4galt3	11.96	13.67	0.19	8.01E-01	no
Gm13363	1.90	2.34	0.30	8.01E-01	no
Slc29a1	69.21	74.34	0.10	8.01E-01	no
Smpdl3b	0.11	0.19	0.82	8.02E-01	no
B9d1	4.15	5.16	0.31	8.02E-01	no
Fuk	3.90	4.52	0.21	8.02E-01	no
Prkaca	25.55	22.94	-0.16	8.02E-01	no
Pdha1	49.87	45.33	-0.14	8.02E-01	no
Ece1	7.66	6.79	-0.18	8.02E-01	no
Gtpbp10	8.40	7.25	-0.21	8.02E-01	no
Gm7134	0.25	0.17	-0.59	8.02E-01	no
Cog6	16.09	14.32	-0.17	8.02E-01	no
Tle1	2.54	2.13	-0.25	8.02E-01	no
Ndufs7	37.44	32.79	-0.19	8.03E-01	no
4930579K19Ri	0.48	0.69	0.53	8.03E-01	no
Hjurp	56.10	61.90	0.14	8.03E-01	no
Hint1	76.24	67.87	-0.17	8.03E-01	no
Lipt2	3.56	2.87	-0.31	8.03E-01	no
1700067K01Ri	1.61	1.23	-0.39	8.03E-01	no
Trim13	3.60	4.77	0.41	8.03E-01	no
Alg12	7.58	8.78	0.21	8.03E-01	no
Nudt3	44.85	40.65	-0.14	8.03E-01	no
Frmd4b	1.91	1.58	-0.27	8.03E-01	no
Crb2	0.12	0.09	-0.51	8.03E-01	no
Rasgrp2	57.31	63.12	0.14	8.03E-01	no
Sdccag8	7.14	8.22	0.20	8.03E-01	no
Raver2	0.08	0.04	-1.02	8.03E-01	no

Mvd	3.59	4.33	0.27	8.03E-01	no
Ptpn21	1.41	1.68	0.26	8.03E-01	no
Plekha2	79.68	72.52	-0.14	8.03E-01	no
6720489N17Ri	3.62	3.00	-0.27	8.03E-01	no
Rpl23a	2.29	1.72	-0.41	8.03E-01	no
Fryl	34.41	31.30	-0.14	8.03E-01	no
Thoc7	45.19	40.22	-0.17	8.04E-01	no
Tada2a	8.35	7.16	-0.22	8.04E-01	no
Ubash3b	2.77	3.31	0.26	8.04E-01	no
Fam53c	18.77	16.98	-0.14	8.04E-01	no
Rhog	51.49	46.33	-0.15	8.04E-01	no
Gls	31.31	34.05	0.12	8.04E-01	no
Oxsm	6.87	5.96	-0.21	8.04E-01	no
Eno2	0.06	0.12	0.94	8.04E-01	no
Srgap1	0.23	0.31	0.44	8.04E-01	no
Acvr2a	3.59	4.17	0.22	8.04E-01	no
3110003A17Ri	47.04	53.19	0.18	8.04E-01	no
Pdpr	13.93	12.36	-0.17	8.04E-01	no
Mfsd2b	0.45	0.34	-0.41	8.04E-01	no
6430598A04Ri	0.43	0.56	0.37	8.05E-01	no
Zfp410	21.63	19.35	-0.16	8.05E-01	no
Anxa2	2.26	1.80	-0.33	8.05E-01	no
2310045N01Ri	15.87	18.76	0.24	8.05E-01	no
Khdrbs1	96.47	87.99	-0.13	8.05E-01	no
Psm4	40.81	36.60	-0.16	8.06E-01	no
Adcy9	0.59	0.74	0.33	8.06E-01	no
Klf6	12.34	13.81	0.16	8.06E-01	no
Braf	9.46	10.44	0.14	8.06E-01	no
Usp15	29.41	32.43	0.14	8.06E-01	no
Prpf38b	52.13	47.51	-0.13	8.06E-01	no
Parl	21.98	19.25	-0.19	8.06E-01	no
Ttc25	0.11	0.06	-0.85	8.06E-01	no
Ctu2	10.05	8.86	-0.18	8.06E-01	no
Stat4	8.46	9.69	0.20	8.06E-01	no
Tbcb	15.79	18.15	0.20	8.06E-01	no
Son	88.07	81.54	-0.11	8.06E-01	no
Pqbp1	40.46	36.17	-0.16	8.06E-01	no
Pla2g6	3.33	3.87	0.22	8.06E-01	no
Dnpep	16.38	18.50	0.18	8.07E-01	no
Isg20	4.67	5.69	0.28	8.07E-01	no
Cds2	31.79	34.91	0.13	8.07E-01	no
Alg2	13.99	15.70	0.17	8.07E-01	no

C85492	1.48	1.17	-0.34	8.07E-01	no
Prr7	0.75	0.98	0.40	8.08E-01	no
Prkce	9.90	10.99	0.15	8.08E-01	no
Psmg1	18.17	15.63	-0.22	8.08E-01	no
BC048507	9.28	7.59	-0.29	8.08E-01	no
Matn4	0.07	0.02	-2.13	8.08E-01	no
P4ha1	4.31	5.01	0.22	8.08E-01	no
Adck4	6.26	7.30	0.22	8.08E-01	no
Ap3m1	20.91	18.92	-0.14	8.08E-01	no
Slc25a34	0.03	0.08	1.50	8.08E-01	no
E530011L22Ril	0.09	0.15	0.68	8.08E-01	no
Cxadr	0.24	0.36	0.59	8.08E-01	no
Pdcd2	17.68	20.35	0.20	8.08E-01	no
Cnpy2	19.28	22.10	0.20	8.08E-01	no
Lig3	14.17	15.64	0.14	8.08E-01	no
Ttpal	31.55	28.96	-0.12	8.08E-01	no
Pcnt	19.99	18.25	-0.13	8.08E-01	no
Rprd2	16.77	15.26	-0.14	8.08E-01	no
Slc6a6	14.71	13.32	-0.14	8.08E-01	no
Tmem39a	13.97	12.18	-0.20	8.08E-01	no
Gm5887	0.59	0.41	-0.52	8.08E-01	no
0910001L09Ril	15.99	18.61	0.22	8.08E-01	no
Rgs16	0.68	0.88	0.37	8.08E-01	no
Zfyve19	10.88	12.43	0.19	8.08E-01	no
Ralgapa2	4.08	4.59	0.17	8.08E-01	no
Bhlhb9	18.12	20.11	0.15	8.08E-01	no
Sub1	18.08	16.18	-0.16	8.08E-01	no
Snx20	20.48	18.03	-0.18	8.08E-01	no
Aasdh	7.66	8.70	0.18	8.09E-01	no
Cog7	9.10	7.97	-0.19	8.09E-01	no
Mpv17l	0.29	0.40	0.44	8.09E-01	no
Degs2	6.88	8.07	0.23	8.09E-01	no
Tmem85	19.04	16.38	-0.22	8.09E-01	no
Cxcl12	0.05	0.13	1.21	8.09E-01	no
Hgsnat	3.95	4.67	0.24	8.09E-01	no
Tpra1	11.24	12.90	0.20	8.09E-01	no
Kif21b	28.32	31.06	0.13	8.09E-01	no
Itpripl2	1.94	1.64	-0.24	8.09E-01	no
Nom1	14.65	13.14	-0.16	8.09E-01	no
Hsf5	0.02	0.06	1.53	8.09E-01	no
Muc1	0.09	0.16	0.82	8.09E-01	no
Gpr113	0.03	0.07	1.33	8.10E-01	no

Tmem203	9.06	10.80	0.25	8.10E-01	no
Sspo	0.01	0.00	-1.53	8.10E-01	no
Cluap1	12.09	13.86	0.20	8.10E-01	no
Hist1h4b	1.44	0.89	-0.70	8.10E-01	no
Tas1r3	0.45	0.58	0.36	8.10E-01	no
E2f4	44.64	40.59	-0.14	8.10E-01	no
Ppp3r1	39.73	36.09	-0.14	8.10E-01	no
Lancl2	18.08	16.26	-0.15	8.10E-01	no
Nanp	18.75	16.35	-0.20	8.10E-01	no
Tbxas1	0.06	0.13	1.04	8.11E-01	no
Gm5901	1.82	2.32	0.35	8.11E-01	no
Star	1.86	2.23	0.26	8.11E-01	no
Pwp1	18.04	16.10	-0.16	8.11E-01	no
Ints4	18.14	16.31	-0.15	8.11E-01	no
Med6	14.42	12.29	-0.23	8.11E-01	no
Zfp423	0.02	0.05	1.12	8.11E-01	no
Adrbk2	0.94	1.14	0.29	8.11E-01	no
Zcchc6	20.13	22.11	0.14	8.11E-01	no
Lbp	0.28	0.20	-0.52	8.12E-01	no
Zfp759	2.29	2.75	0.26	8.12E-01	no
Tceb2	48.80	42.69	-0.19	8.12E-01	no
Ms4a6d	0.36	0.23	-0.68	8.12E-01	no
Gabbr2	0.09	0.17	0.90	8.12E-01	no
Sh3gl3	0.28	0.41	0.55	8.12E-01	no
Pglyrp1	0.95	1.33	0.49	8.12E-01	no
Trappc6a	12.49	14.70	0.24	8.12E-01	no
Caml	11.66	13.51	0.21	8.12E-01	no
Tsga14	7.95	9.04	0.19	8.12E-01	no
Pan3	33.26	36.49	0.13	8.12E-01	no
Uggt1	18.29	20.04	0.13	8.12E-01	no
Ikbkap	13.05	11.82	-0.14	8.12E-01	no
Emg1	64.93	58.71	-0.15	8.12E-01	no
Tbl1x	29.06	26.24	-0.15	8.12E-01	no
Fam126a	11.68	10.52	-0.15	8.12E-01	no
Slc31a1	12.14	10.81	-0.17	8.12E-01	no
Alg13	7.79	6.84	-0.19	8.12E-01	no
Mrpl20	35.03	30.55	-0.20	8.12E-01	no
Mad2l2	11.30	9.65	-0.23	8.12E-01	no
Dnajc17	5.84	4.84	-0.27	8.12E-01	no
Cask	0.45	0.36	-0.33	8.12E-01	no
Abra	0.10	0.04	-1.22	8.12E-01	no
Gm648	0.17	0.07	-1.22	8.12E-01	no

Cdk3-ps	0.77	1.01	0.39	8.12E-01	no
Rsb1l1	21.63	23.80	0.14	8.12E-01	no
Aes	44.12	48.74	0.14	8.13E-01	no
Pink1	27.31	30.17	0.14	8.13E-01	no
Ryr3	0.01	0.01	1.48	8.13E-01	no
Ncor1	38.98	35.60	-0.13	8.13E-01	no
A230056P14Ri	1.61	2.04	0.34	8.14E-01	no
Acad9	9.78	8.68	-0.17	8.14E-01	no
Rec8	0.04	0.09	1.35	8.14E-01	no
Dazl	0.06	0.11	0.92	8.14E-01	no
C2	0.08	0.13	0.80	8.14E-01	no
Adamts17	0.08	0.12	0.51	8.14E-01	no
Ttc8	0.88	1.15	0.38	8.14E-01	no
1810074P20Ri	8.83	9.93	0.17	8.14E-01	no
Trim8	19.54	21.57	0.14	8.14E-01	no
Ddx54	38.60	35.28	-0.13	8.14E-01	no
Dom3z	17.92	15.85	-0.18	8.14E-01	no
9030409G11Ri	0.16	0.10	-0.65	8.14E-01	no
Epb4.1l4a	0.06	0.03	-1.12	8.14E-01	no
Alox15	0.08	0.03	-1.52	8.14E-01	no
Cyb5rl	3.88	4.67	0.27	8.14E-01	no
1110012L19Ril	7.64	9.07	0.25	8.14E-01	no
Rbm3	260.47	282.05	0.11	8.14E-01	no
Fxc1	20.59	17.80	-0.21	8.14E-01	no
Gpr61	0.06	0.02	-1.51	8.14E-01	no
Dnajc10	20.66	18.72	-0.14	8.14E-01	no
Epgn	0.04	0.11	1.41	8.14E-01	no
Spag8	0.10	0.19	1.02	8.14E-01	no
Mrps26	33.70	29.95	-0.17	8.14E-01	no
Pcbp4	3.40	2.83	-0.27	8.14E-01	no
Cd68	4.89	3.99	-0.29	8.14E-01	no
Gspt2	0.24	0.16	-0.56	8.14E-01	no
Aqp3	0.12	0.04	-1.51	8.14E-01	no
BC048943	1.50	1.13	-0.41	8.14E-01	no
Wwp2	23.21	25.47	0.13	8.15E-01	no
Pde3b	22.46	20.46	-0.13	8.15E-01	no
Mmp11	13.07	11.52	-0.18	8.15E-01	no
Tnfrsf13b	0.16	0.08	-0.98	8.15E-01	no
Pus3	15.87	13.98	-0.18	8.15E-01	no
Tlr11	0.03	0.08	1.50	8.15E-01	no
Ap3b2	0.05	0.09	0.78	8.15E-01	no
Tlr13	0.30	0.40	0.39	8.15E-01	no

Spsb2	3.82	4.61	0.27	8.15E-01	no
4833420G17Ri	33.87	30.76	-0.14	8.15E-01	no
Aoc3	0.18	0.13	-0.48	8.15E-01	no
Slc22a4	0.10	0.05	-1.08	8.15E-01	no
Ibtk	19.94	18.15	-0.14	8.16E-01	no
Zfp748	8.67	7.69	-0.17	8.16E-01	no
Rnd1	0.12	0.06	-0.99	8.16E-01	no
Sphk1	0.22	0.11	-1.00	8.16E-01	no
Rabep2	14.91	16.61	0.16	8.16E-01	no
B230120H23Ri	9.79	8.90	-0.14	8.16E-01	no
Hax1	31.01	27.54	-0.17	8.16E-01	no
Cwc15	38.36	34.35	-0.16	8.16E-01	no
G530011O06R	0.07	0.02	-2.09	8.16E-01	no
Oas1e	0.23	0.35	0.57	8.16E-01	no
2610301G19Ri	32.84	29.99	-0.13	8.16E-01	no
Clcc1	18.13	16.29	-0.15	8.16E-01	no
D19Bwg1357e	17.55	15.84	-0.15	8.16E-01	no
2610305D13Ri	0.05	0.13	1.30	8.16E-01	no
Fam184b	0.04	0.06	0.86	8.16E-01	no
Samd10	5.73	6.70	0.23	8.16E-01	no
Zfp498	8.94	10.24	0.19	8.16E-01	no
Apoa1bp	26.78	30.45	0.19	8.16E-01	no
Runx3	9.78	10.93	0.16	8.16E-01	no
Zswim4	9.41	10.49	0.16	8.16E-01	no
Elavl3	0.03	0.01	-1.21	8.16E-01	no
Stk4	78.20	71.47	-0.13	8.16E-01	no
Gm6904	0.49	0.74	0.58	8.17E-01	no
Mll2	32.64	36.06	0.14	8.17E-01	no
Def6	23.37	25.81	0.14	8.17E-01	no
Tm9sf4	15.46	13.93	-0.15	8.17E-01	no
Rdh11	15.72	13.75	-0.19	8.17E-01	no
Mrpl53	23.15	19.86	-0.22	8.17E-01	no
Psmb8	54.22	59.75	0.14	8.17E-01	no
Trim14	13.21	15.13	0.20	8.17E-01	no
Rnf19a	10.50	9.37	-0.16	8.17E-01	no
1810009A15Ri	26.32	22.79	-0.21	8.17E-01	no
Ctsh	1.98	2.46	0.31	8.17E-01	no
Mcoln2	9.32	10.58	0.18	8.17E-01	no
Arid5a	19.80	18.32	-0.11	8.17E-01	no
Scyl3	18.18	16.47	-0.14	8.17E-01	no
Pop4	19.32	16.93	-0.19	8.17E-01	no
Nfil3	0.66	0.50	-0.39	8.17E-01	no

Rspo4	0.11	0.06	-0.88	8.17E-01	no
1700012A16Ri	1.80	2.21	0.29	8.17E-01	no
2310043J07Ri	0.41	0.59	0.53	8.17E-01	no
Ccdc91	5.16	6.01	0.22	8.17E-01	no
Ccdc142	7.00	7.96	0.19	8.17E-01	no
R3hcc1	12.92	14.67	0.18	8.17E-01	no
Mras	0.07	0.03	-1.00	8.17E-01	no
Adamts4	0.05	0.02	-1.20	8.17E-01	no
Terf2ip	7.40	8.38	0.18	8.18E-01	no
Impad1	19.86	18.01	-0.14	8.18E-01	no
9330176C04Ri	0.28	0.17	-0.71	8.18E-01	no
Cdh11	0.49	0.38	-0.36	8.18E-01	no
Lbx2	0.09	0.25	1.48	8.18E-01	no
Itk	0.14	0.19	0.48	8.18E-01	no
Dennd4b	21.34	23.38	0.13	8.18E-01	no
Prkcb	61.95	56.48	-0.13	8.18E-01	no
Ogfod1	8.91	8.00	-0.15	8.18E-01	no
Pigl	7.93	6.78	-0.23	8.18E-01	no
Rhebl1	5.98	4.98	-0.26	8.18E-01	no
Spata2L	2.82	3.37	0.26	8.18E-01	no
Lpar2	8.53	9.50	0.16	8.18E-01	no
Dhx38	22.66	20.67	-0.13	8.18E-01	no
Xiap	32.03	29.30	-0.13	8.18E-01	no
Cops6	39.60	35.45	-0.16	8.18E-01	no
Ptplad2	0.31	0.44	0.50	8.18E-01	no
Neurod4	0.11	0.06	-0.99	8.18E-01	no
Wbp4	12.90	11.52	-0.16	8.18E-01	no
Sipa1l3	8.00	8.81	0.14	8.18E-01	no
Ppp1r11	13.11	11.43	-0.20	8.18E-01	no
LOC10027222:	0.23	0.12	-0.96	8.18E-01	no
Ndufs8	39.37	35.13	-0.16	8.18E-01	no
Piwil2	0.09	0.13	0.55	8.18E-01	no
Zfp11	2.16	2.56	0.25	8.18E-01	no
Ankzf1	11.36	12.76	0.17	8.18E-01	no
Preb	17.12	15.60	-0.13	8.18E-01	no
Wdr3	19.85	17.99	-0.14	8.18E-01	no
Pira1	0.27	0.12	-1.12	8.18E-01	no
Gal3st3	0.04	0.09	1.32	8.19E-01	no
Sned1	0.13	0.18	0.49	8.19E-01	no
Cbara1	18.38	20.44	0.15	8.19E-01	no
Hspbp1	26.05	23.29	-0.16	8.19E-01	no
Ramp3	0.14	0.06	-1.19	8.19E-01	no

Ech1	24.80	27.95	0.17	8.19E-01	no
Pex16	9.57	11.03	0.20	8.19E-01	no
Ap4b1	11.15	12.49	0.16	8.19E-01	no
Zfp866	15.37	13.98	-0.14	8.19E-01	no
Sesn3	14.63	12.94	-0.18	8.19E-01	no
Gm10731	0.09	0.03	-1.48	8.19E-01	no
Akt1s1	14.01	15.91	0.18	8.19E-01	no
Kank3	1.45	1.19	-0.29	8.20E-01	no
Aktip	7.36	8.53	0.21	8.20E-01	no
Vipar	14.26	15.87	0.15	8.20E-01	no
Ccdc135	16.39	18.23	0.15	8.20E-01	no
Zfp362	21.29	23.46	0.14	8.20E-01	no
Xpc	10.92	9.78	-0.16	8.20E-01	no
Unkl	13.61	14.95	0.14	8.20E-01	no
Sephs2	35.89	32.59	-0.14	8.20E-01	no
Bsdc1	12.19	13.65	0.16	8.20E-01	no
Rlf	12.92	11.74	-0.14	8.20E-01	no
Vegfc	0.79	0.61	-0.39	8.20E-01	no
Zmynd15	0.04	0.01	-2.04	8.20E-01	no
Sgcb	5.14	5.92	0.20	8.20E-01	no
Cir1	16.35	18.37	0.17	8.20E-01	no
Jmjd4	8.49	9.53	0.17	8.20E-01	no
Dck	87.58	95.65	0.13	8.20E-01	no
Angpt2	0.27	0.19	-0.50	8.21E-01	no
Lrrc24	0.75	0.96	0.35	8.21E-01	no
Slc22a21	1.39	1.72	0.31	8.21E-01	no
Gdf11	1.93	2.35	0.28	8.21E-01	no
Naalad2	0.07	0.03	-1.25	8.21E-01	no
Amz1	0.31	0.42	0.42	8.21E-01	no
Car13	14.48	16.32	0.17	8.21E-01	no
Pld6	0.53	0.39	-0.44	8.21E-01	no
Xrcc5	12.77	11.31	-0.18	8.21E-01	no
Gp9	0.41	0.24	-0.77	8.21E-01	no
Gm1604b	0.66	0.92	0.48	8.21E-01	no
Nudt7	5.23	6.30	0.27	8.21E-01	no
Fibp	19.28	21.97	0.19	8.21E-01	no
Lpl	0.35	0.27	-0.39	8.21E-01	no
Arfgef1	24.60	26.86	0.13	8.22E-01	no
Tenc1	0.03	0.06	0.89	8.22E-01	no
Trim33	15.38	14.24	-0.11	8.22E-01	no
Lama5	0.03	0.01	-0.82	8.22E-01	no
Hebp2	0.13	0.21	0.75	8.22E-01	no

Rbm7	30.07	27.01	-0.15	8.22E-01	no
Cd300lb	0.24	0.33	0.44	8.22E-01	no
Kif7	0.31	0.39	0.34	8.22E-01	no
Phf20l1	21.60	19.76	-0.13	8.22E-01	no
Slu7	17.34	15.83	-0.13	8.22E-01	no
Slc35a3	19.80	17.94	-0.14	8.22E-01	no
Ggps1	14.44	12.78	-0.18	8.22E-01	no
Eef1e1	18.49	16.03	-0.21	8.22E-01	no
Lsmd1	33.14	28.72	-0.21	8.22E-01	no
Fbxo47	0.86	0.66	-0.39	8.22E-01	no
Cdo1	0.69	0.51	-0.42	8.22E-01	no
Tpr	41.35	37.90	-0.13	8.23E-01	no
Tceal8	3.11	3.73	0.26	8.23E-01	no
Zfp59	2.81	3.30	0.23	8.23E-01	no
Slc25a28	20.99	18.67	-0.17	8.23E-01	no
Pmvk	12.02	10.45	-0.20	8.23E-01	no
E330034G19Ri	0.05	0.13	1.45	8.23E-01	no
Cldn7	0.08	0.22	1.45	8.23E-01	no
Tdo2	0.05	0.14	1.45	8.23E-01	no
Akr1b7	0.18	0.29	0.71	8.23E-01	no
Prickle1	0.12	0.17	0.49	8.23E-01	no
Fez2	4.71	5.54	0.23	8.23E-01	no
Nt5c3	12.50	14.29	0.19	8.23E-01	no
Pfdn5	62.47	69.30	0.15	8.23E-01	no
Lemd3	11.05	12.23	0.15	8.23E-01	no
Eif2c1	24.01	26.20	0.13	8.23E-01	no
Csnk2a1	56.13	51.48	-0.12	8.23E-01	no
Ube2v1	60.77	55.58	-0.13	8.23E-01	no
Wdr43	30.51	27.87	-0.13	8.23E-01	no
Bahd1	17.44	15.88	-0.14	8.23E-01	no
Ing5	14.82	13.43	-0.14	8.23E-01	no
Zc3h10	14.66	13.03	-0.17	8.23E-01	no
Fbxo33	8.27	7.27	-0.19	8.23E-01	no
Agpat2	3.91	3.16	-0.31	8.23E-01	no
Lmo1	0.66	0.46	-0.50	8.23E-01	no
Dzip3	12.09	13.23	0.13	8.23E-01	no
Hectd1	28.53	31.11	0.13	8.23E-01	no
Psmc5	41.49	37.49	-0.15	8.23E-01	no
Med4	22.59	20.01	-0.17	8.23E-01	no
Tmco6	12.95	11.37	-0.19	8.23E-01	no
Gzma	0.70	0.48	-0.54	8.23E-01	no
Gm14378	3.33	4.07	0.29	8.23E-01	no

Vdac2	50.38	45.86	-0.14	8.23E-01	no
Hcfc2	11.03	9.71	-0.18	8.23E-01	no
N28178	0.07	0.11	0.74	8.23E-01	no
Eif2b2	26.06	28.94	0.15	8.23E-01	no
C1d	13.07	11.57	-0.18	8.23E-01	no
Cryzl1	11.35	9.78	-0.22	8.24E-01	no
Dalrd3	25.14	27.90	0.15	8.24E-01	no
Maoa	1.84	1.54	-0.26	8.24E-01	no
Crb3	0.06	0.17	1.45	8.24E-01	no
Thap11	21.38	19.16	-0.16	8.24E-01	no
St13	57.54	52.57	-0.13	8.24E-01	no
4930465K10Ri	0.52	0.36	-0.54	8.24E-01	no
Tifa	116.39	127.03	0.13	8.25E-01	no
Zfp451	9.57	8.50	-0.17	8.25E-01	no
Nubp2	30.62	27.51	-0.15	8.25E-01	no
Hiat1	25.06	22.70	-0.14	8.26E-01	no
Zfp747	4.08	4.76	0.22	8.26E-01	no
Ntan1	18.59	21.16	0.19	8.26E-01	no
Mdn1	15.41	14.15	-0.12	8.26E-01	no
Glyatl3	0.35	0.18	-0.96	8.26E-01	no
Zcchc14	0.06	0.08	0.56	8.26E-01	no
Naip6	0.45	0.56	0.30	8.26E-01	no
Rpap1	17.70	16.26	-0.12	8.26E-01	no
A730008H23R	49.75	45.49	-0.13	8.26E-01	no
Pank4	24.17	21.93	-0.14	8.26E-01	no
Cndp2	18.14	16.25	-0.16	8.26E-01	no
Ccdc101	12.57	10.86	-0.21	8.26E-01	no
Gpr153	0.07	0.04	-0.96	8.26E-01	no
Pgm5	0.03	0.01	-1.05	8.26E-01	no
Psmb1	60.93	55.23	-0.14	8.26E-01	no
Cops8	22.47	20.13	-0.16	8.26E-01	no
Slc25a32	8.03	7.01	-0.20	8.26E-01	no
Fam131a	0.07	0.13	0.95	8.26E-01	no
Mef2a	16.29	18.08	0.15	8.26E-01	no
Chmp6	20.12	17.94	-0.17	8.26E-01	no
Plekhg4	0.26	0.20	-0.40	8.27E-01	no
Tmem214	18.09	16.33	-0.15	8.27E-01	no
Gm4925	0.33	0.21	-0.66	8.27E-01	no
Slc25a42	3.68	3.14	-0.23	8.27E-01	no
Kcna10	0.19	0.11	-0.75	8.27E-01	no
Megf8	0.44	0.53	0.27	8.27E-01	no
Prdm4	15.99	14.50	-0.14	8.27E-01	no

Gm1337	1.61	1.35	-0.25	8.27E-01	no
C030044B11Ri	5.78	6.85	0.24	8.27E-01	no
Zfp513	14.41	16.01	0.15	8.27E-01	no
Prrc1	13.04	14.38	0.14	8.27E-01	no
1700052N19Ri	24.53	22.15	-0.15	8.27E-01	no
Mapk7	15.18	13.66	-0.15	8.27E-01	no
Plekha1	9.49	8.38	-0.18	8.27E-01	no
Mtx2	14.29	12.39	-0.20	8.27E-01	no
Cd28	0.56	0.44	-0.34	8.27E-01	no
Rasa3	26.64	24.29	-0.13	8.27E-01	no
Hiatl1	21.58	19.61	-0.14	8.27E-01	no
Klhl22	12.56	14.05	0.16	8.27E-01	no
Utp15	16.19	14.67	-0.14	8.27E-01	no
Vapb	9.43	8.55	-0.14	8.28E-01	no
Lars2	98.63	107.53	0.12	8.28E-01	no
Gm6251	81.94	73.95	-0.15	8.28E-01	no
Ica1l	0.08	0.04	-0.96	8.28E-01	no
Gm8221	0.00	0.02	2.46	8.28E-01	no
Siglec15	0.58	0.79	0.44	8.28E-01	no
Sptlc2	10.52	11.74	0.16	8.28E-01	no
Atxn7l3	32.17	29.70	-0.12	8.28E-01	no
Tomm70a	37.37	34.26	-0.13	8.28E-01	no
Psmb4	67.01	60.83	-0.14	8.28E-01	no
1600012F09Ri	9.73	8.63	-0.17	8.28E-01	no
Cox11	8.39	7.28	-0.20	8.28E-01	no
Ptgs1	0.82	0.64	-0.36	8.28E-01	no
Clnk	0.15	0.08	-0.95	8.28E-01	no
Tmem62	4.13	4.82	0.22	8.28E-01	no
Zhx2	9.41	10.47	0.15	8.28E-01	no
Banp	9.53	8.67	-0.14	8.28E-01	no
Pcx	2.54	2.08	-0.29	8.29E-01	no
Prg4	0.40	0.54	0.44	8.29E-01	no
Col4a3	0.01	0.02	1.24	8.29E-01	no
LOC668917	0.16	0.07	-1.21	8.29E-01	no
Htatsf1	23.10	21.01	-0.14	8.29E-01	no
Spg11	9.83	10.77	0.13	8.29E-01	no
Slc39a9	19.25	17.59	-0.13	8.30E-01	no
Cpne2	7.15	6.21	-0.20	8.30E-01	no
Gm5766	0.07	0.02	-1.96	8.30E-01	no
Foxr1	0.11	0.19	0.82	8.30E-01	no
Tmx3	19.68	21.61	0.13	8.30E-01	no
Ppox	19.07	21.27	0.16	8.30E-01	no

1810063B05Ri	16.82	14.48	-0.22	8.30E-01	no
Tm7sf2	4.01	3.33	-0.27	8.30E-01	no
2810025M15R	8.63	7.37	-0.23	8.30E-01	no
Gm5803	31.87	28.50	-0.16	8.30E-01	no
2310033P09Ri	12.92	14.75	0.19	8.30E-01	no
Fbxo7	13.38	15.10	0.17	8.30E-01	no
Ppp2r1b	23.24	21.38	-0.12	8.30E-01	no
Ppp2cb	28.07	25.30	-0.15	8.30E-01	no
Psma2	49.82	44.88	-0.15	8.30E-01	no
6-Sep	54.49	50.56	-0.11	8.31E-01	no
Ccdc157	2.30	2.66	0.21	8.31E-01	no
F10	0.25	0.34	0.47	8.31E-01	no
Lta4h	42.81	39.13	-0.13	8.31E-01	no
Mapk8ip2	0.02	0.06	1.41	8.31E-01	no
Lrrcc1	19.65	18.15	-0.11	8.32E-01	no
Rrh	0.16	0.06	-1.45	8.32E-01	no
Fhl3	7.90	6.77	-0.22	8.32E-01	no
Gm10012	24.08	20.26	-0.25	8.32E-01	no
Gapvd1	23.35	21.43	-0.12	8.32E-01	no
Llph	53.98	49.06	-0.14	8.32E-01	no
Inpp5e	11.16	12.32	0.14	8.32E-01	no
Fbxo21	10.22	9.18	-0.16	8.32E-01	no
2010320M18R	2.74	3.39	0.31	8.33E-01	no
Mnd1	11.29	9.62	-0.23	8.33E-01	no
Cfi	0.20	0.29	0.51	8.33E-01	no
Immp1l	11.37	13.32	0.23	8.33E-01	no
1810012P15Ri	4.21	4.78	0.19	8.33E-01	no
Gm2176	0.08	0.15	0.96	8.33E-01	no
Snx21	2.31	2.79	0.27	8.33E-01	no
Acsf2	21.03	19.13	-0.14	8.33E-01	no
Rspry1	14.26	12.88	-0.15	8.33E-01	no
2310047B19Ri	6.85	5.89	-0.22	8.33E-01	no
Ccl9	0.70	0.54	-0.36	8.33E-01	no
Capn12	0.06	0.11	0.78	8.33E-01	no
Iffo1	17.05	18.68	0.13	8.33E-01	no
Usp34	27.86	25.60	-0.12	8.33E-01	no
Gm9786	392.35	360.27	-0.12	8.33E-01	no
Cpt2	9.40	8.26	-0.19	8.33E-01	no
Arhgap28	0.06	0.10	0.61	8.33E-01	no
Acap3	8.44	7.58	-0.16	8.33E-01	no
Trmt1	29.94	27.51	-0.12	8.33E-01	no
Rgl2	23.40	25.63	0.13	8.34E-01	no

Paqr9	0.14	0.08	-0.80	8.34E-01	no
Rab1b	51.49	47.15	-0.13	8.34E-01	no
2310028O11Ri	16.93	15.28	-0.15	8.34E-01	no
Tsen54	11.69	10.32	-0.18	8.34E-01	no
Tmem223	29.23	25.63	-0.19	8.34E-01	no
Arc	3.65	3.13	-0.22	8.34E-01	no
Rpusd3	5.40	4.55	-0.25	8.34E-01	no
Ociad2	0.42	0.31	-0.46	8.34E-01	no
Megf11	0.13	0.20	0.57	8.34E-01	no
Zfp867	3.82	4.44	0.21	8.34E-01	no
Zfp74	3.47	4.02	0.21	8.34E-01	no
2310015A10Ri	3.39	3.89	0.20	8.34E-01	no
Vps37a	6.69	7.45	0.16	8.34E-01	no
2610002M06R	11.07	12.19	0.14	8.34E-01	no
Snx19	9.62	10.59	0.14	8.34E-01	no
B3galnt2	18.64	20.46	0.13	8.34E-01	no
Camta2	10.46	11.46	0.13	8.34E-01	no
Patz1	32.87	35.91	0.13	8.34E-01	no
Hps5	12.69	13.81	0.12	8.34E-01	no
Ets1	94.51	102.24	0.11	8.34E-01	no
Rpl13a	404.38	371.98	-0.12	8.34E-01	no
Ddost	38.93	35.59	-0.13	8.34E-01	no
Pygo2	26.33	24.03	-0.13	8.34E-01	no
Adh5	39.43	35.80	-0.14	8.34E-01	no
Prcc	25.97	23.57	-0.14	8.34E-01	no
4632415L05Ri	6.89	6.10	-0.18	8.34E-01	no
Fntb	9.82	8.68	-0.18	8.34E-01	no
Mrpl41	11.12	9.82	-0.18	8.34E-01	no
Egr1	5.49	4.75	-0.21	8.34E-01	no
Iah1	10.94	9.32	-0.23	8.34E-01	no
Nod1	0.83	0.67	-0.32	8.34E-01	no
Dpf3	0.22	0.13	-0.75	8.34E-01	no
Cda	0.11	0.26	1.24	8.34E-01	no
Ufsp1	0.80	1.06	0.40	8.34E-01	no
Trip10	4.44	5.17	0.22	8.34E-01	no
Git2	42.40	45.24	0.09	8.34E-01	no
Sdccag3	30.31	27.81	-0.12	8.34E-01	no
9930014A18Ri	0.70	0.85	0.28	8.34E-01	no
Nudt9	14.76	12.99	-0.18	8.34E-01	no
Srsf13b	0.03	0.08	1.24	8.34E-01	no
Cgrrf1	8.16	9.53	0.22	8.34E-01	no
Gmpr	8.96	10.28	0.20	8.34E-01	no

Miip	26.09	23.63	-0.14	8.34E-01	no
Bcs1l	9.27	8.06	-0.20	8.34E-01	no
Zfp750	0.04	0.01	-1.93	8.34E-01	no
Mfsd7c	0.10	0.15	0.59	8.34E-01	no
Mblac2	2.01	2.39	0.25	8.34E-01	no
Vopp1	4.14	4.80	0.22	8.34E-01	no
Etnk1	52.40	48.24	-0.12	8.34E-01	no
Plp2	43.46	38.89	-0.16	8.34E-01	no
C2cd2l	6.91	6.17	-0.16	8.34E-01	no
Tas2r137	0.25	0.09	-1.43	8.34E-01	no
Tab2	42.56	39.16	-0.12	8.34E-01	no
Stk36	0.17	0.13	-0.41	8.34E-01	no
Sgpp1	14.68	13.21	-0.15	8.35E-01	no
Cdkn1c	1.34	1.06	-0.34	8.35E-01	no
Epm2aip1	19.62	18.00	-0.12	8.35E-01	no
1810022K09Ri	47.68	41.54	-0.20	8.35E-01	no
Apof	0.07	0.13	0.89	8.35E-01	no
Cyp2r1	2.40	2.93	0.28	8.35E-01	no
Nhlrc3	6.10	7.12	0.22	8.35E-01	no
Hscb	12.35	14.39	0.22	8.35E-01	no
Tnks	13.56	12.41	-0.13	8.35E-01	no
Slc30a9	18.31	16.62	-0.14	8.35E-01	no
Nae1	12.47	10.94	-0.19	8.35E-01	no
Bpgm	7.26	6.29	-0.21	8.35E-01	no
Leng1	5.81	6.67	0.20	8.35E-01	no
Mfge8	11.54	12.92	0.16	8.35E-01	no
Zfp119b	3.84	4.56	0.25	8.35E-01	no
Ltc4s	0.68	1.00	0.55	8.36E-01	no
Zdhhc20	17.80	19.49	0.13	8.36E-01	no
Dhx8	20.43	18.72	-0.13	8.36E-01	no
4933427D14Ri	10.19	9.20	-0.15	8.36E-01	no
Necap1	11.98	10.62	-0.17	8.36E-01	no
Fert2	0.64	0.50	-0.35	8.36E-01	no
Hsd17b14	0.06	0.14	1.23	8.36E-01	no
Mtfmt	8.27	9.46	0.19	8.36E-01	no
2200002D01Ri	3.42	4.24	0.31	8.36E-01	no
Eif2ak2	14.26	15.66	0.13	8.36E-01	no
Irf2bp1	27.27	24.93	-0.13	8.36E-01	no
Nans	28.47	25.89	-0.14	8.36E-01	no
Exoc8	7.84	7.12	-0.14	8.36E-01	no
Drp2	0.60	0.50	-0.27	8.36E-01	no
Hist1h2ao,Hist	1.86	1.42	-0.39	8.36E-01	no

Zfp697	0.10	0.14	0.49	8.36E-01	no
Eef2	462.02	416.13	-0.15	8.36E-01	no
Nacc2	0.29	0.37	0.36	8.37E-01	no
Ddx49	18.11	16.31	-0.15	8.37E-01	no
Wnt2b	0.12	0.17	0.50	8.37E-01	no
Pam	0.94	1.13	0.27	8.37E-01	no
Ankra2	8.53	9.81	0.20	8.37E-01	no
Cc2d1a	10.45	11.59	0.15	8.37E-01	no
Aff4	13.33	14.51	0.12	8.37E-01	no
Psma3	48.01	43.68	-0.14	8.37E-01	no
Ivd	27.76	25.24	-0.14	8.37E-01	no
Med19	15.99	14.25	-0.17	8.37E-01	no
Ier3ip1	23.04	20.44	-0.17	8.37E-01	no
Peg12	0.35	0.26	-0.42	8.37E-01	no
BC037032	0.11	0.08	-0.55	8.37E-01	no
Aldh1a1	0.08	0.04	-1.17	8.37E-01	no
Nacad	0.55	0.67	0.28	8.37E-01	no
Polb	13.17	11.46	-0.20	8.37E-01	no
Butr1	0.08	0.18	1.23	8.37E-01	no
Rimkla	0.02	0.06	1.19	8.37E-01	no
Zfp654	11.51	10.37	-0.15	8.37E-01	no
Rpgrip1l	4.31	3.83	-0.17	8.37E-01	no
B230319C09Ri	0.35	0.47	0.43	8.37E-01	no
Tmbim1	3.51	4.11	0.23	8.37E-01	no
Mccc2	4.97	5.77	0.21	8.37E-01	no
Acot2	6.71	7.70	0.20	8.37E-01	no
Ppp1r15b	46.44	42.80	-0.12	8.37E-01	no
Zik1	6.96	6.16	-0.18	8.37E-01	no
1110020A21Ri	1.34	1.02	-0.39	8.37E-01	no
Morn1	0.39	0.28	-0.47	8.37E-01	no
Skint3	0.06	0.02	-1.44	8.37E-01	no
Atg4b	13.49	12.14	-0.15	8.38E-01	no
Tet2	5.90	6.49	0.14	8.38E-01	no
Ykt6	34.82	31.92	-0.13	8.38E-01	no
Upf3b	22.32	20.23	-0.14	8.38E-01	no
Grik4	0.08	0.05	-0.76	8.38E-01	no
Traf3ip3	28.88	31.58	0.13	8.38E-01	no
Pak2	40.59	37.36	-0.12	8.38E-01	no
Gcfc1	23.21	21.25	-0.13	8.38E-01	no
Serpinb6c	0.09	0.18	1.02	8.38E-01	no
Gda	0.74	0.90	0.28	8.38E-01	no
Hpgd	0.36	0.25	-0.52	8.38E-01	no

Btn1a1	0.03	0.07	1.22	8.38E-01	no
1700125H20Ri	0.09	0.20	1.22	8.39E-01	no
Nrd1	33.36	30.69	-0.12	8.39E-01	no
Dpp8	37.84	34.86	-0.12	8.39E-01	no
D8ErtD738e	45.45	40.69	-0.16	8.39E-01	no
E130309F12Ri	0.16	0.22	0.48	8.39E-01	no
Zfp637	9.07	7.79	-0.22	8.39E-01	no
Nit2	10.04	11.59	0.21	8.39E-01	no
Zfp868	11.42	12.78	0.16	8.39E-01	no
Snw1	32.84	30.05	-0.13	8.39E-01	no
5430435G22Ri	0.08	0.04	-0.99	8.39E-01	no
Ddrgk1	17.48	19.68	0.17	8.39E-01	no
Cyld	14.66	15.69	0.10	8.39E-01	no
Gfap	0.03	0.07	1.36	8.40E-01	no
Slc7a4	0.03	0.07	1.21	8.40E-01	no
Gpx7	1.43	1.79	0.32	8.40E-01	no
Tmem218	7.38	8.69	0.24	8.40E-01	no
Smurf1	5.19	5.78	0.15	8.40E-01	no
Pxmp3	13.08	14.55	0.15	8.40E-01	no
Lrch3	14.12	15.41	0.13	8.40E-01	no
Zkscan17	33.16	30.83	-0.11	8.40E-01	no
Kpna4	34.65	31.86	-0.12	8.40E-01	no
Pja2	15.12	13.89	-0.12	8.40E-01	no
Myl12b	62.64	57.07	-0.13	8.40E-01	no
Sdhd	44.29	40.22	-0.14	8.40E-01	no
Fadd	6.34	5.55	-0.19	8.40E-01	no
Dnajb5	5.92	5.13	-0.21	8.40E-01	no
I830012O16Ri	0.83	0.65	-0.35	8.40E-01	no
Mslnl	0.06	0.03	-1.10	8.40E-01	no
4930594C11Ri	1.85	1.54	-0.27	8.40E-01	no
Osbpl7	9.00	10.00	0.15	8.40E-01	no
A330035P11Ri	0.67	0.84	0.31	8.40E-01	no
Pik3c3	18.35	16.69	-0.14	8.40E-01	no
Fam100a	23.43	21.03	-0.16	8.40E-01	no
Kcnip4	1.75	1.43	-0.29	8.40E-01	no
Retsat	4.60	5.36	0.22	8.40E-01	no
Amt	2.75	2.26	-0.28	8.40E-01	no
St7	6.09	6.99	0.20	8.40E-01	no
Zfp961	18.91	20.88	0.14	8.40E-01	no
2010001E11Ri	0.13	0.20	0.62	8.40E-01	no
Esf1	12.38	11.16	-0.15	8.40E-01	no
Msrh3	0.48	0.37	-0.36	8.40E-01	no

Osbpl11	12.05	13.23	0.13	8.40E-01	no
Hist1h2ac	0.14	0.21	0.59	8.41E-01	no
Zfp719	3.20	3.67	0.20	8.41E-01	no
Mdm4	49.31	45.43	-0.12	8.41E-01	no
Gpn3	19.07	16.97	-0.17	8.41E-01	no
Dnajc12	2.75	2.24	-0.29	8.41E-01	no
Col4a3bp	24.02	22.30	-0.11	8.41E-01	no
Zfp955b	10.08	8.99	-0.17	8.41E-01	no
Zfp446	5.46	6.09	0.16	8.41E-01	no
Cep120	17.63	16.15	-0.13	8.41E-01	no
Rnf181	35.68	32.32	-0.14	8.41E-01	no
Scube1	0.01	0.03	0.92	8.41E-01	no
Phf11	0.62	0.81	0.39	8.41E-01	no
Sdhaf1	11.60	13.37	0.20	8.41E-01	no
Cdc42se1	50.94	47.11	-0.11	8.41E-01	no
Slmap	20.69	18.99	-0.12	8.42E-01	no
Tmem139	0.16	0.06	-1.39	8.42E-01	no
4930528A17Ri	0.27	0.37	0.46	8.42E-01	no
Tgfb1	1.31	1.57	0.27	8.42E-01	no
Fam168a	11.23	10.26	-0.13	8.42E-01	no
Adpgk	15.53	13.98	-0.15	8.42E-01	no
Ndufc2	44.55	39.72	-0.17	8.42E-01	no
Prox2	1.83	1.53	-0.25	8.42E-01	no
Tub	0.04	0.02	-0.98	8.42E-01	no
Appl1	17.15	15.77	-0.12	8.42E-01	no
Ccdc72	19.32	16.72	-0.21	8.42E-01	no
Dpp9	24.10	22.13	-0.12	8.42E-01	no
Uck2	33.48	30.38	-0.14	8.42E-01	no
Fahd1	3.47	4.13	0.25	8.42E-01	no
St14	3.61	4.12	0.19	8.43E-01	no
Ogfrl1	13.68	15.00	0.13	8.43E-01	no
1700001K19Ri	0.19	0.31	0.69	8.43E-01	no
Vnn1	0.09	0.03	-1.38	8.43E-01	no
Dnmt3b	8.29	9.14	0.14	8.43E-01	no
Sdr42e1	1.57	1.87	0.25	8.43E-01	no
Ccnl1	33.33	36.38	0.13	8.43E-01	no
Zfp148	17.98	16.58	-0.12	8.43E-01	no
Taldo1	55.99	51.27	-0.13	8.43E-01	no
E2f6	14.81	13.38	-0.15	8.43E-01	no
Ubl4	30.38	26.74	-0.18	8.43E-01	no
Gm11517	1.17	0.88	-0.41	8.43E-01	no
Nhedc2	0.20	0.13	-0.59	8.43E-01	no

B230217C12Ri	0.40	0.56	0.49	8.43E-01	no
Mrpl46	20.07	17.74	-0.18	8.44E-01	no
Psemb11	0.04	0.02	-1.37	8.44E-01	no
Krt10	1.82	1.51	-0.26	8.44E-01	no
Atg5	16.47	14.81	-0.15	8.44E-01	no
Ubp1	33.10	35.49	0.10	8.44E-01	no
Bin1	44.14	40.76	-0.12	8.44E-01	no
Dolpp1	12.50	11.12	-0.17	8.44E-01	no
Ccdc28b	11.35	13.12	0.21	8.44E-01	no
Alcam	0.66	0.81	0.28	8.45E-01	no
Narg2	9.72	10.77	0.15	8.45E-01	no
Mesdc2	14.29	15.62	0.13	8.45E-01	no
Acbd3	23.37	21.42	-0.13	8.45E-01	no
Ddx52	21.64	19.78	-0.13	8.45E-01	no
Dgcr14	13.30	12.05	-0.14	8.45E-01	no
Hpse	2.38	2.01	-0.24	8.45E-01	no
Tbrg3	0.19	0.15	-0.36	8.45E-01	no
Cxcr6	0.33	0.23	-0.51	8.45E-01	no
Agphd1	0.20	0.25	0.37	8.45E-01	no
C4a	0.14	0.11	-0.42	8.45E-01	no
Maged1	6.02	6.83	0.18	8.45E-01	no
T2	0.17	0.10	-0.74	8.45E-01	no
9030619P08Ri	0.13	0.29	1.19	8.45E-01	no
Klc2	5.18	5.88	0.18	8.45E-01	no
Atp6v0a2	16.17	17.76	0.14	8.45E-01	no
Zhx3	4.39	3.86	-0.18	8.45E-01	no
Actr6	8.83	7.66	-0.21	8.45E-01	no
Ctf1	0.17	0.27	0.71	8.45E-01	no
Ppp1r16a	11.73	10.54	-0.15	8.45E-01	no
Atp6v0a1	3.17	2.74	-0.21	8.45E-01	no
Myo18a	12.14	11.17	-0.12	8.45E-01	no
Tmprss13	0.06	0.02	-1.36	8.45E-01	no
Snrnp48	15.62	13.89	-0.17	8.45E-01	no
Atp13a3	55.03	51.82	-0.09	8.46E-01	no
Derl1	25.22	27.50	0.12	8.46E-01	no
1500004A13Ri	3.48	3.02	-0.21	8.46E-01	no
Umod	0.07	0.03	-1.36	8.46E-01	no
Araf	31.81	35.33	0.15	8.46E-01	no
Mfap1b	34.39	31.49	-0.13	8.46E-01	no
Lrrc19	0.11	0.06	-0.96	8.46E-01	no
Zfp879	0.38	0.50	0.38	8.46E-01	no
Col18a1	0.20	0.25	0.34	8.46E-01	no

Zfp606	9.45	10.38	0.13	8.46E-01	no
6030458C11Ri	15.78	17.17	0.12	8.46E-01	no
N4bp2	28.81	26.59	-0.12	8.46E-01	no
Gm12657	0.22	0.10	-1.17	8.46E-01	no
9930013L23Ri	0.02	0.01	-1.36	8.46E-01	no
Ube4a	23.11	21.32	-0.12	8.46E-01	no
Tln1	47.57	43.86	-0.12	8.46E-01	no
Mterfd2	5.17	5.87	0.19	8.46E-01	no
Dhps	16.75	18.80	0.17	8.46E-01	no
Mast3	25.07	27.16	0.12	8.46E-01	no
Sars2	15.38	13.79	-0.16	8.46E-01	no
4931414P19Ri	7.30	6.43	-0.18	8.46E-01	no
BC088983	11.52	10.07	-0.19	8.46E-01	no
Fam161b	1.41	1.18	-0.26	8.46E-01	no
Tctex1d4	0.11	0.03	-1.85	8.46E-01	no
Gm5712	0.23	0.37	0.64	8.46E-01	no
Hmgcl	18.49	20.65	0.16	8.46E-01	no
Pnrc2	52.46	57.01	0.12	8.46E-01	no
Rnf145	35.09	32.59	-0.11	8.46E-01	no
2810002D19Ri	7.46	6.40	-0.22	8.47E-01	no
Bend6	0.13	0.20	0.61	8.47E-01	no
Crtap	8.99	10.23	0.19	8.47E-01	no
Rpia	30.29	33.16	0.13	8.47E-01	no
Epc1	28.58	26.61	-0.10	8.47E-01	no
Ap2m1	55.79	51.45	-0.12	8.47E-01	no
Irak1	21.44	19.93	-0.11	8.48E-01	no
Rpap2	7.16	8.08	0.17	8.48E-01	no
Tgm6	0.05	0.02	-1.35	8.48E-01	no
Cgref1	0.08	0.18	1.17	8.48E-01	no
F3	0.10	0.04	-1.36	8.48E-01	no
Higd2a	40.99	36.40	-0.17	8.49E-01	no
Rpl11	48.69	43.70	-0.16	8.49E-01	no
5430427O19Ri	4.17	4.76	0.19	8.49E-01	no
Rora	0.05	0.11	1.19	8.49E-01	no
Ccdc90a	9.85	10.87	0.14	8.49E-01	no
Vta1	21.99	19.66	-0.16	8.49E-01	no
Csnk2a2	10.14	9.15	-0.15	8.49E-01	no
4930539J05Ri	6.18	5.11	-0.27	8.49E-01	no
Yipf6	8.48	7.64	-0.15	8.49E-01	no
Gmeb2	21.54	19.81	-0.12	8.49E-01	no
Topors	20.43	18.75	-0.12	8.49E-01	no
Pabpc5	0.11	0.06	-0.87	8.49E-01	no

Mecp2	17.45	16.32	-0.10	8.49E-01	no
Gemin7	32.77	29.23	-0.16	8.49E-01	no
Gpr108	15.21	16.86	0.15	8.49E-01	no
Abhd10	10.42	9.17	-0.18	8.49E-01	no
Klf5	0.09	0.16	0.82	8.49E-01	no
Gm7104	0.38	0.47	0.31	8.49E-01	no
Pygb	19.10	20.78	0.12	8.49E-01	no
Trim35	32.39	29.88	-0.12	8.49E-01	no
Lclat1	8.62	7.78	-0.15	8.49E-01	no
BC003266	16.98	14.95	-0.18	8.49E-01	no
Brp44	17.49	15.27	-0.20	8.49E-01	no
Clcn1	0.15	0.10	-0.51	8.49E-01	no
Nppa	0.18	0.07	-1.34	8.49E-01	no
Zfp599	3.14	3.62	0.20	8.49E-01	no
Traf3ip1	5.20	4.59	-0.18	8.49E-01	no
Taf13	14.22	12.44	-0.19	8.49E-01	no
Slc4a10	0.24	0.31	0.34	8.49E-01	no
Polk	6.34	7.10	0.16	8.49E-01	no
Asb1	7.56	6.87	-0.14	8.49E-01	no
H47	17.18	19.34	0.17	8.49E-01	no
Etfb	44.65	40.38	-0.14	8.50E-01	no
Ccdc114	1.20	0.99	-0.27	8.50E-01	no
Ext2	9.85	10.95	0.15	8.50E-01	no
Dpp4	58.81	54.98	-0.10	8.50E-01	no
Rps15a	11.43	10.42	-0.13	8.50E-01	no
Ldhd	0.08	0.03	-1.34	8.50E-01	no
Crybb3	0.31	0.46	0.60	8.50E-01	no
Calr	95.23	88.12	-0.11	8.50E-01	no
Otub1	38.24	35.00	-0.13	8.50E-01	no
Nhlrc2	11.95	10.84	-0.14	8.50E-01	no
Zfp825	9.00	7.77	-0.21	8.50E-01	no
Fam171a1	0.89	0.73	-0.27	8.50E-01	no
Tnfsf14	0.08	0.14	0.86	8.50E-01	no
2310033E01Ri	0.40	0.59	0.57	8.51E-01	no
Fbxo9	13.22	14.66	0.15	8.51E-01	no
1300018I17Rik	8.59	9.59	0.16	8.51E-01	no
Ttc16	0.16	0.22	0.46	8.51E-01	no
Ccdc19	0.28	0.20	-0.47	8.51E-01	no
Rnu73b	12.75	8.27	-0.62	8.51E-01	no
Got1	16.32	14.70	-0.15	8.51E-01	no
Emilin2	0.98	1.16	0.25	8.51E-01	no
3110052M02R	5.36	6.04	0.17	8.51E-01	no

Supv3l1	13.64	12.28	-0.15	8.51E-01	no
Snx18	6.73	6.03	-0.16	8.51E-01	no
Gstp2	35.05	31.26	-0.16	8.51E-01	no
Nfu1	19.33	17.16	-0.17	8.51E-01	no
Arfgap2	34.29	31.86	-0.11	8.51E-01	no
Mcee	6.99	8.25	0.24	8.51E-01	no
Nat8l	0.92	1.09	0.23	8.51E-01	no
BC048403	3.51	4.05	0.20	8.51E-01	no
BC018507	15.05	16.29	0.11	8.51E-01	no
Zdhhc21	16.84	15.55	-0.12	8.51E-01	no
C230081A13Ri	4.47	4.07	-0.14	8.51E-01	no
Vps37b	16.64	15.09	-0.14	8.51E-01	no
Arl1	36.13	32.42	-0.16	8.51E-01	no
Nufip1	6.97	6.22	-0.16	8.51E-01	no
1810029B16Ri	9.79	8.48	-0.21	8.51E-01	no
3010026O09Ri	7.24	6.24	-0.22	8.51E-01	no
1110008P14Ri	9.58	8.17	-0.23	8.51E-01	no
Ache	0.77	0.61	-0.34	8.51E-01	no
Mapk12	0.17	0.11	-0.69	8.51E-01	no
D4Ert617e	0.42	0.24	-0.78	8.51E-01	no
Col4a4	0.02	0.01	-1.33	8.51E-01	no
Cxx1b	8.35	9.60	0.20	8.52E-01	no
Trub2	13.30	12.04	-0.14	8.52E-01	no
Siglece	0.19	0.27	0.55	8.52E-01	no
Khk	4.89	5.74	0.23	8.52E-01	no
Hdlbp	28.60	26.49	-0.11	8.52E-01	no
Ilkap	34.66	31.58	-0.13	8.52E-01	no
Esd	7.15	6.18	-0.21	8.52E-01	no
Rtbdn	0.37	0.27	-0.42	8.52E-01	no
Epor	0.16	0.09	-0.74	8.52E-01	no
Prok1	0.43	0.17	-1.32	8.52E-01	no
Prkar2a	2.22	1.91	-0.22	8.52E-01	no
Rcbtb1	12.55	13.77	0.13	8.52E-01	no
Ambra1	16.18	17.37	0.10	8.52E-01	no
Dnajb11	46.16	42.24	-0.13	8.52E-01	no
Slc25a39	24.59	22.32	-0.14	8.52E-01	no
Jmjd8	19.31	17.51	-0.14	8.52E-01	no
Xlr3a	0.90	0.71	-0.34	8.52E-01	no
Arhgap20	0.02	0.01	-1.81	8.52E-01	no
Tgif2	11.07	9.94	-0.15	8.52E-01	no
Gcnt4	0.10	0.07	-0.54	8.52E-01	no
Gm13889	0.05	0.13	1.30	8.52E-01	no

Nras	36.23	33.51	-0.11	8.52E-01	no
Slx4	17.88	16.51	-0.11	8.52E-01	no
Cadps2	0.04	0.02	-1.33	8.52E-01	no
Brsk1	0.38	1.13	1.59	8.52E-01	no
P2ry6	0.08	0.13	0.79	8.53E-01	no
Dlx1	2.22	2.62	0.24	8.53E-01	no
Ptpn2	17.74	16.00	-0.15	8.53E-01	no
Nqo1	0.10	0.17	0.78	8.53E-01	no
Bag3	0.17	0.24	0.46	8.53E-01	no
Arsg	0.50	0.61	0.30	8.53E-01	no
Ciz1	22.72	24.68	0.12	8.53E-01	no
Mapk3	28.65	26.16	-0.13	8.53E-01	no
Pak1ip1	22.65	20.52	-0.14	8.53E-01	no
Gm6788	45.58	41.05	-0.15	8.53E-01	no
Bbs10	2.54	2.16	-0.24	8.53E-01	no
Rasip1	0.13	0.09	-0.57	8.53E-01	no
Col17a1	0.03	0.01	-1.31	8.53E-01	no
Pira6	0.03	0.08	1.51	8.53E-01	no
Sh2b2	1.07	1.29	0.27	8.53E-01	no
Dcaf11	24.06	25.90	0.11	8.53E-01	no
Ccny	22.27	20.50	-0.12	8.53E-01	no
Narfl	11.32	10.18	-0.15	8.53E-01	no
Tor1a	17.52	15.66	-0.16	8.53E-01	no
Map4k5	2.87	3.28	0.20	8.53E-01	no
Nle1	12.30	10.96	-0.17	8.53E-01	no
1700001J03Ri	0.24	0.10	-1.32	8.53E-01	no
Npepl1	29.72	32.34	0.12	8.53E-01	no
Zfp354c	3.55	3.12	-0.19	8.53E-01	no
Cp	0.07	0.10	0.57	8.53E-01	no
Ghdc	3.54	4.10	0.21	8.53E-01	no
15-Sep	48.14	44.21	-0.12	8.53E-01	no
Cttnal1	5.54	4.91	-0.17	8.53E-01	no
Arfip2	11.26	12.39	0.14	8.54E-01	no
Hmg20b	21.82	23.85	0.13	8.54E-01	no
Rlim	23.15	21.43	-0.11	8.54E-01	no
Rpe	20.92	19.01	-0.14	8.54E-01	no
Lrrc2	0.09	0.05	-0.73	8.54E-01	no
Twf2	19.71	21.74	0.14	8.54E-01	no
4930538K18Ri	0.05	0.10	1.12	8.54E-01	no
6230409E13Ri	0.01	0.02	1.12	8.54E-01	no
Apoc2	0.11	0.25	1.12	8.54E-01	no
Limch1	0.01	0.02	1.12	8.54E-01	no

Pacrg	0.05	0.11	1.12	8.54E-01	no
Pax8	0.03	0.06	1.12	8.54E-01	no
Pex11a	0.08	0.17	1.12	8.54E-01	no
Sypl2	0.02	0.05	1.12	8.54E-01	no
Trpm6	0.01	0.02	1.12	8.54E-01	no
Vmn2r57	0.03	0.06	1.12	8.54E-01	no
Wif1	0.03	0.07	1.12	8.54E-01	no
1700096J18RiI	0.59	0.88	0.58	8.54E-01	no
D930020E02Ri	0.15	0.21	0.49	8.54E-01	no
Fdx1	7.06	8.25	0.23	8.54E-01	no
Rab31	4.21	4.80	0.19	8.54E-01	no
N6amt1	6.90	7.85	0.19	8.54E-01	no
Tanc1	2.00	2.26	0.18	8.54E-01	no
Sil1	9.15	10.34	0.18	8.54E-01	no
Rab22a	16.21	17.96	0.15	8.54E-01	no
Clk3	22.98	25.01	0.12	8.54E-01	no
Ogt	62.19	67.17	0.11	8.54E-01	no
Tap1	51.61	55.44	0.10	8.54E-01	no
Cdk13	23.99	25.50	0.09	8.54E-01	no
Setx	28.95	26.83	-0.11	8.54E-01	no
Gm15427	633.93	587.07	-0.11	8.54E-01	no
Diap1	25.38	23.45	-0.11	8.54E-01	no
Tfip11	18.72	17.22	-0.12	8.54E-01	no
Rnf34	21.91	19.90	-0.14	8.54E-01	no
Helq	10.00	9.05	-0.14	8.54E-01	no
Zwint	13.45	12.15	-0.15	8.54E-01	no
Supt4h1	38.78	34.81	-0.16	8.54E-01	no
Slc12a2	4.96	4.45	-0.16	8.54E-01	no
Slc27a3	2.03	1.71	-0.25	8.54E-01	no
Ube2cbp	1.92	1.60	-0.26	8.54E-01	no
Mtus1	0.50	0.41	-0.30	8.54E-01	no
Arhgap22	0.43	0.33	-0.36	8.54E-01	no
Krt28	0.10	0.04	-1.31	8.54E-01	no
Mmgt2	11.65	13.09	0.17	8.54E-01	no
Gm7455	0.00	0.01	2.03	8.54E-01	no
Hist1h3e	0.09	0.30	1.79	8.54E-01	no
Cngb1	0.20	0.27	0.41	8.54E-01	no
Mrps6	10.73	12.38	0.21	8.54E-01	no
3110057O12Ri	4.26	4.91	0.21	8.54E-01	no
Asb2	4.23	4.83	0.19	8.54E-01	no
Bri3bp	11.61	12.61	0.12	8.54E-01	no
Ankrd52	34.63	32.13	-0.11	8.54E-01	no

Atp5f1	102.47	94.94	-0.11	8.54E-01	no
Derl2	15.44	14.07	-0.13	8.54E-01	no
Tiprl	10.76	9.77	-0.14	8.54E-01	no
Mrpl34	33.99	30.33	-0.16	8.54E-01	no
Klhl23	3.41	2.98	-0.19	8.54E-01	no
Efcab7	5.36	4.62	-0.21	8.54E-01	no
Macrodl	5.97	5.14	-0.22	8.54E-01	no
Hnrpll	1.25	1.04	-0.26	8.54E-01	no
Rpl17	3.00	2.46	-0.29	8.54E-01	no
Dnahc5	0.09	0.07	-0.34	8.54E-01	no
H2afy3	0.17	0.11	-0.64	8.54E-01	no
Hes3	0.09	0.04	-1.30	8.54E-01	no
Ldb1	46.45	49.62	0.10	8.54E-01	no
Frmd7	1.95	2.25	0.21	8.54E-01	no
Fibcd1	0.11	0.15	0.44	8.54E-01	no
C130036L24Ri	2.50	2.98	0.26	8.54E-01	no
Ergic3	27.83	30.61	0.14	8.55E-01	no
Kif1c	9.40	10.21	0.12	8.55E-01	no
Gstt1	0.29	0.18	-0.71	8.55E-01	no
D930048N14R	2.91	3.35	0.21	8.55E-01	no
Chd6	17.50	18.88	0.11	8.55E-01	no
Sp4	13.75	12.71	-0.11	8.55E-01	no
Pomp	48.94	44.34	-0.14	8.55E-01	no
Ddi2	20.19	21.91	0.12	8.55E-01	no
Qtrtd1	10.74	9.63	-0.16	8.55E-01	no
Bcl2l14	0.07	0.11	0.77	8.55E-01	no
Ascc1	11.53	13.04	0.18	8.55E-01	no
Flot1	9.22	10.39	0.17	8.55E-01	no
Srp54b	19.23	17.60	-0.13	8.55E-01	no
Psmal	49.25	45.02	-0.13	8.55E-01	no
3230401D17Ri	24.62	22.32	-0.14	8.55E-01	no
Uggt2	0.26	0.21	-0.33	8.55E-01	no
C4b	0.05	0.03	-0.71	8.55E-01	no
Shank3	0.01	0.02	1.13	8.55E-01	no
Sh3tc1	1.58	1.84	0.21	8.55E-01	no
Mkln1	19.33	17.77	-0.12	8.55E-01	no
Armc5	14.48	13.27	-0.13	8.55E-01	no
Cyp4f41-ps	1.16	0.92	-0.33	8.55E-01	no
Otud6a	0.17	0.07	-1.29	8.55E-01	no
Tmem158	0.54	0.69	0.35	8.55E-01	no
Tgfb1i1	0.88	1.05	0.27	8.55E-01	no
Wipf2	11.73	10.82	-0.12	8.55E-01	no

Hars2	16.07	14.66	-0.13	8.55E-01	no
Slc25a47	1.67	1.38	-0.27	8.55E-01	no
Mkks	7.62	6.79	-0.17	8.55E-01	no
Gpr152	1.01	1.21	0.26	8.55E-01	no
4930471M23R	4.14	4.72	0.19	8.55E-01	no
Zfp444	6.45	7.15	0.15	8.55E-01	no
Ifnar1	14.56	15.77	0.11	8.55E-01	no
Stx12	14.28	12.86	-0.15	8.55E-01	no
Bambi	0.27	0.33	0.32	8.55E-01	no
Gm4987	4.61	3.79	-0.28	8.55E-01	no
Impact	8.23	9.17	0.16	8.56E-01	no
Naa20	26.59	23.97	-0.15	8.56E-01	no
Rfx8	0.09	0.04	-1.29	8.56E-01	no
1700020114Rik	53.29	49.41	-0.11	8.56E-01	no
Trpv2	14.36	13.04	-0.14	8.56E-01	no
Scoc	16.33	14.67	-0.15	8.56E-01	no
Il1a	0.16	0.10	-0.72	8.56E-01	no
Cat	49.20	53.16	0.11	8.56E-01	no
Dus4l	5.64	4.88	-0.21	8.56E-01	no
Slc25a4	52.81	48.48	-0.12	8.56E-01	no
Zfp97	2.24	2.63	0.23	8.56E-01	no
Tmem159	1.35	1.66	0.30	8.56E-01	no
Al854703	0.52	0.64	0.29	8.56E-01	no
Znrd1as	2.78	3.33	0.26	8.56E-01	no
Tuba4a	38.26	41.44	0.12	8.56E-01	no
St3gal4	11.83	10.56	-0.16	8.56E-01	no
Haus7	17.29	15.51	-0.16	8.56E-01	no
Map3k9	0.18	0.14	-0.30	8.56E-01	no
Cox19	18.33	16.11	-0.19	8.57E-01	no
Trak1	37.68	34.99	-0.11	8.57E-01	no
Lsm1	6.98	6.13	-0.19	8.57E-01	no
Atl1	0.60	0.48	-0.31	8.57E-01	no
Il7r	85.91	79.78	-0.11	8.57E-01	no
Arid3b	5.62	6.28	0.16	8.57E-01	no
Ddr2	0.01	0.03	1.11	8.57E-01	no
Tpm2	0.15	0.21	0.52	8.57E-01	no
Insm1	0.33	0.42	0.36	8.57E-01	no
Dnahc17	0.40	0.47	0.22	8.57E-01	no
Trnau1ap	11.95	13.54	0.18	8.57E-01	no
6530402F18Ri	6.80	7.52	0.15	8.57E-01	no
1110003E01Ri	45.62	42.09	-0.12	8.57E-01	no
Gtf2b	27.80	25.17	-0.14	8.57E-01	no

Cox7a2	35.79	32.09	-0.16	8.57E-01	no
Ydjc	8.51	7.42	-0.20	8.57E-01	no
Gm5464	0.26	0.19	-0.50	8.57E-01	no
1700020A23Ri	0.68	0.44	-0.62	8.57E-01	no
C1rl	0.10	0.06	-0.70	8.57E-01	no
Kptn	7.03	6.16	-0.19	8.57E-01	no
Cdk7	5.93	6.51	0.14	8.57E-01	no
Tmx4	10.22	11.20	0.13	8.57E-01	no
Igf2bp3	15.82	17.18	0.12	8.57E-01	no
Prpf6	21.75	20.05	-0.12	8.57E-01	no
Gm15455	14.96	13.68	-0.13	8.57E-01	no
Gm3230	1.95	1.63	-0.26	8.57E-01	no
Foxi1	0.22	0.16	-0.48	8.57E-01	no
Gm3448	0.45	0.26	-0.81	8.57E-01	no
Mmp25	0.05	0.02	-1.28	8.57E-01	no
Pdia2	0.09	0.04	-1.29	8.57E-01	no
Slc39a4	0.17	0.24	0.50	8.57E-01	no
Bsg	53.95	50.09	-0.11	8.57E-01	no
A730011L01Ri	4.97	5.49	0.14	8.57E-01	no
Rnf24	1.21	1.03	-0.23	8.57E-01	no
Zbtb25	13.87	12.42	-0.16	8.58E-01	no
Gltpd1	5.79	5.10	-0.18	8.58E-01	no
Gnpat	30.33	28.03	-0.11	8.58E-01	no
Ube4b	28.45	26.41	-0.11	8.58E-01	no
Tyw3	3.21	2.81	-0.19	8.58E-01	no
Cdk16	24.23	22.35	-0.12	8.58E-01	no
Lix1l	2.97	2.54	-0.22	8.58E-01	no
Tbr1	0.05	0.02	-1.27	8.58E-01	no
6330407A03Ri	0.07	0.02	-1.79	8.58E-01	no
Phf13	5.58	4.94	-0.18	8.58E-01	no
Ncrna00085	0.19	0.30	0.64	8.58E-01	no
Thada	8.30	7.64	-0.12	8.58E-01	no
Pgap2	16.02	17.99	0.17	8.59E-01	no
Csnk1d	45.57	48.29	0.08	8.59E-01	no
2510006D16Ri	36.43	32.82	-0.15	8.59E-01	no
9130206I24Rik	5.28	4.66	-0.18	8.59E-01	no
Gpc2	7.32	6.49	-0.17	8.59E-01	no
Mlkl	2.67	3.16	0.24	8.60E-01	no
Adam1a	2.10	2.44	0.22	8.60E-01	no
Mrps5	20.64	18.66	-0.15	8.60E-01	no
Gnb2	77.92	72.30	-0.11	8.60E-01	no
Kdm3a	19.20	20.56	0.10	8.60E-01	no

Zc3h4	35.67	33.17	-0.11	8.60E-01	no
Eapp	19.43	17.35	-0.16	8.60E-01	no
Zfp808	5.77	5.08	-0.18	8.60E-01	no
Gpr182	0.28	0.19	-0.51	8.60E-01	no
Nckap1	0.14	0.20	0.46	8.60E-01	no
Zkscan3	19.52	21.14	0.12	8.60E-01	no
Tmbim4	23.38	26.33	0.17	8.60E-01	no
Mgl2	0.08	0.14	0.83	8.60E-01	no
Sorbs3	0.44	0.55	0.32	8.61E-01	no
Ptrh2	12.13	11.01	-0.14	8.61E-01	no
2210403K04Ri	0.38	0.28	-0.45	8.61E-01	no
Usp16	15.04	13.73	-0.13	8.61E-01	no
Smek2	36.18	33.61	-0.11	8.61E-01	no
2410089E03Ri	5.09	5.55	0.12	8.61E-01	no
Trim39	20.53	22.14	0.11	8.61E-01	no
Klhl3	0.22	0.29	0.42	8.61E-01	no
Klhl2	7.00	6.23	-0.17	8.61E-01	no
Zfp689	4.95	4.39	-0.17	8.61E-01	no
Mrgpra9	0.15	0.06	-1.38	8.61E-01	no
Snx24	0.09	0.16	0.77	8.61E-01	no
Hist1h3i	0.95	0.67	-0.51	8.61E-01	no
Sh3bgr	0.11	0.04	-1.30	8.61E-01	no
Zfp534	0.03	0.06	1.31	8.62E-01	no
2810454H06Ri	0.82	0.99	0.28	8.62E-01	no
Tdg	6.24	5.28	-0.24	8.62E-01	no
Slc25a18	1.19	0.97	-0.30	8.62E-01	no
Srms	0.03	0.06	1.07	8.62E-01	no
Gstt4	0.12	0.23	0.93	8.62E-01	no
AW011738	0.51	0.63	0.32	8.62E-01	no
Rnf40	26.76	24.84	-0.11	8.62E-01	no
Med9	11.31	10.25	-0.14	8.62E-01	no
Timm17a	15.32	13.47	-0.19	8.62E-01	no
Tmem25	0.13	0.08	-0.69	8.62E-01	no
Anxa6	23.41	25.19	0.11	8.62E-01	no
Nr2c2	35.73	33.20	-0.11	8.62E-01	no
Stam2	8.87	9.77	0.14	8.62E-01	no
Leprel4	0.04	0.09	1.10	8.62E-01	no
Ormdl2	9.36	8.30	-0.17	8.62E-01	no
Zfyve9	0.12	0.07	-0.84	8.62E-01	no
Ndufa7	40.90	36.48	-0.16	8.63E-01	no
Uap1	13.50	12.20	-0.15	8.63E-01	no
Rcor3	4.47	5.17	0.21	8.63E-01	no

Itgb3bp	3.81	4.38	0.20	8.64E-01	no
Faf2	20.49	18.97	-0.11	8.64E-01	no
2010107E04Ri	64.79	57.84	-0.16	8.64E-01	no
Abhd16b	0.08	0.04	-0.99	8.64E-01	no
Ift46	6.06	6.77	0.16	8.64E-01	no
Cd164	60.58	56.30	-0.11	8.64E-01	no
Aftph	34.19	31.75	-0.11	8.64E-01	no
Naglu	6.79	7.62	0.17	8.64E-01	no
Pilrb1	0.07	0.17	1.20	8.64E-01	no
Hepacam	0.04	0.07	0.92	8.64E-01	no
G630090E17Ri	0.13	0.20	0.62	8.64E-01	no
Tlr5	0.20	0.26	0.38	8.64E-01	no
Gab3	0.98	1.19	0.28	8.64E-01	no
Gpr65	1.84	2.18	0.24	8.64E-01	no
Zfp846	5.23	5.92	0.18	8.64E-01	no
Ttc35	15.49	17.35	0.16	8.64E-01	no
Ankib1	12.08	13.06	0.11	8.64E-01	no
Gpsm1	14.96	16.16	0.11	8.64E-01	no
Cdc42ep3	40.42	43.67	0.11	8.64E-01	no
Hif1a	23.31	25.13	0.11	8.64E-01	no
Pogz	18.01	16.82	-0.10	8.64E-01	no
Rae1	26.95	24.69	-0.13	8.64E-01	no
Zfp653	14.82	13.45	-0.14	8.64E-01	no
Fam175a	11.14	10.00	-0.16	8.64E-01	no
Mus81	10.21	9.14	-0.16	8.64E-01	no
Isca2	24.56	21.94	-0.16	8.64E-01	no
Ndufa1	26.22	23.06	-0.19	8.64E-01	no
Limk1	3.01	2.62	-0.20	8.64E-01	no
Wdr31	2.10	1.75	-0.26	8.64E-01	no
Irak1bp1	2.09	1.73	-0.27	8.64E-01	no
Hoxa9	1.10	0.89	-0.30	8.64E-01	no
Trpa1	0.32	0.25	-0.34	8.64E-01	no
Mxra8	0.09	0.05	-0.90	8.64E-01	no
Sv2c	0.14	0.18	0.40	8.64E-01	no
Fzd5	1.48	1.69	0.19	8.64E-01	no
Rab19	6.00	5.18	-0.21	8.64E-01	no
Bag1	35.08	32.19	-0.12	8.64E-01	no
Kcna2	0.05	0.02	-1.25	8.64E-01	no
Kifc2	1.10	1.30	0.23	8.64E-01	no
Cant1	22.01	23.62	0.10	8.64E-01	no
Zdhhc25	0.06	0.15	1.21	8.65E-01	no
Wdr86	0.24	0.32	0.43	8.65E-01	no

Bbs2	1.98	2.30	0.22	8.65E-01	no
Wdfy2	4.76	5.43	0.19	8.65E-01	no
Cecr5	16.29	17.91	0.14	8.65E-01	no
Ctdsp2	85.28	80.87	-0.08	8.65E-01	no
Fam120a	61.39	57.16	-0.10	8.65E-01	no
BC005537	73.35	68.27	-0.10	8.65E-01	no
Tbcc	11.04	9.87	-0.16	8.65E-01	no
Fam185a	6.94	6.19	-0.16	8.65E-01	no
1700029J07Ri	1.41	1.18	-0.25	8.65E-01	no
Ckb	0.40	0.30	-0.41	8.65E-01	no
4732416N19Ri	0.38	0.21	-0.84	8.65E-01	no
Tgfbrap1	10.41	9.58	-0.12	8.65E-01	no
Rdh1	0.02	0.05	1.21	8.65E-01	no
Srcin1	0.04	0.06	0.53	8.65E-01	no
Ceacam10	0.35	0.50	0.52	8.65E-01	no
5730494N06Ri	14.34	15.96	0.15	8.65E-01	no
Tomm34	30.48	32.95	0.11	8.65E-01	no
Lass2	37.31	34.47	-0.11	8.65E-01	no
Mrpl11	8.05	7.22	-0.16	8.65E-01	no
Stk24	44.70	48.11	0.11	8.65E-01	no
B430319G15Ri	0.06	0.09	0.60	8.65E-01	no
Rnf20	27.20	25.58	-0.09	8.65E-01	no
Gmfb	41.97	39.05	-0.10	8.65E-01	no
Fam149b	11.67	10.63	-0.13	8.65E-01	no
Fam125a	19.57	21.71	0.15	8.65E-01	no
Twsg1	21.20	22.90	0.11	8.65E-01	no
Pskh1	13.89	15.15	0.12	8.66E-01	no
Alkbh4	6.36	5.58	-0.19	8.66E-01	no
Phrf1	26.40	24.57	-0.10	8.66E-01	no
Zfp583	1.71	2.00	0.23	8.66E-01	no
Aifm2	0.38	0.51	0.44	8.66E-01	no
Ap1ar	46.32	43.04	-0.11	8.66E-01	no
Gjc1	0.08	0.16	1.01	8.66E-01	no
Tcf7l1	1.38	1.14	-0.27	8.66E-01	no
Lpcat3	18.90	20.61	0.12	8.66E-01	no
Fcgr1	0.10	0.07	-0.68	8.66E-01	no
Aup1	40.08	43.40	0.11	8.66E-01	no
Mov10	12.67	13.68	0.11	8.66E-01	no
Wdr25	1.82	2.12	0.22	8.67E-01	no
Fbf1	7.59	8.26	0.12	8.67E-01	no
Fdps	14.82	13.23	-0.16	8.67E-01	no
Vps26b	8.30	7.63	-0.12	8.67E-01	no

Gnaq	12.44	11.47	-0.12	8.67E-01	no
B4galt4	4.63	4.05	-0.19	8.67E-01	no
Rab13	0.23	0.14	-0.69	8.67E-01	no
Scn5a	0.02	0.01	-1.01	8.67E-01	no
Trim69	0.18	0.27	0.53	8.67E-01	no
Gpt	3.49	3.01	-0.21	8.67E-01	no
Tspan14	43.50	40.39	-0.11	8.67E-01	no
Zfp157	7.13	7.83	0.13	8.67E-01	no
AI846148	9.28	10.21	0.14	8.67E-01	no
Pat11	21.64	20.06	-0.11	8.67E-01	no
Prox1	0.04	0.02	-1.23	8.67E-01	no
Tssk1	0.09	0.15	0.74	8.68E-01	no
Tmem106b	21.90	23.58	0.11	8.68E-01	no
2410127L17Ril	27.07	24.88	-0.12	8.68E-01	no
9430016H08Ri	11.70	10.37	-0.17	8.68E-01	no
Zfp553	13.50	12.32	-0.13	8.68E-01	no
Gm10638	0.34	0.25	-0.49	8.68E-01	no
Srrm2	86.04	79.56	-0.11	8.68E-01	no
Cpeb4	5.48	6.22	0.18	8.68E-01	no
Homez	3.47	3.87	0.16	8.68E-01	no
Mrpl13	30.74	27.66	-0.15	8.68E-01	no
A630089N07R	2.58	2.21	-0.22	8.68E-01	no
Itfg1	12.02	13.17	0.13	8.68E-01	no
Map2k6	6.63	5.84	-0.18	8.68E-01	no
Trim56	15.80	17.11	0.11	8.68E-01	no
Rbm47	1.16	1.37	0.23	8.69E-01	no
Fam78a	18.47	19.96	0.11	8.69E-01	no
Dhx34	11.99	11.01	-0.12	8.69E-01	no
Npc1l1	0.02	0.04	1.19	8.69E-01	no
Kctd6	2.75	3.21	0.22	8.69E-01	no
Cyb5	19.23	21.58	0.17	8.69E-01	no
BC004004	14.28	15.61	0.13	8.69E-01	no
Npat	13.53	12.55	-0.11	8.69E-01	no
Hras1	10.07	9.09	-0.15	8.69E-01	no
Ndufa3	40.03	35.37	-0.18	8.69E-01	no
Gm9790,Higd1	26.02	22.80	-0.19	8.69E-01	no
Cebpa	0.54	0.44	-0.30	8.69E-01	no
Col23a1	0.12	0.09	-0.39	8.69E-01	no
Ick	2.96	3.30	0.16	8.69E-01	no
Zfp58	6.21	5.47	-0.18	8.69E-01	no
Nt5e	0.02	0.05	1.18	8.69E-01	no
Tpst2	6.86	7.75	0.18	8.69E-01	no

Aacs	8.70	9.57	0.14	8.69E-01	no
Trim41	16.75	18.12	0.11	8.69E-01	no
Stk25	21.33	23.04	0.11	8.69E-01	no
Rpl36al	255.09	237.58	-0.10	8.69E-01	no
Rictor	14.32	13.31	-0.11	8.69E-01	no
Gba2	16.48	15.21	-0.12	8.69E-01	no
Fam32a	31.59	29.14	-0.12	8.69E-01	no
Smyd5	16.37	15.00	-0.13	8.69E-01	no
Mrps15	25.32	22.82	-0.15	8.69E-01	no
Gm6222	35.69	32.14	-0.15	8.69E-01	no
Commd2	8.87	7.96	-0.16	8.69E-01	no
2410004B18Ri	12.36	10.91	-0.18	8.69E-01	no
Ripk2	4.86	4.24	-0.20	8.69E-01	no
Eid2b	2.95	2.56	-0.21	8.69E-01	no
Lmtk3	0.05	0.03	-0.65	8.69E-01	no
Gata1	0.16	0.10	-0.67	8.69E-01	no
Smcr7	5.89	6.62	0.17	8.69E-01	no
4921533I20Rik	1.58	1.29	-0.29	8.69E-01	no
Gss	5.29	6.01	0.18	8.69E-01	no
Atpif1	41.48	37.36	-0.15	8.69E-01	no
Igfn1	0.05	0.04	-0.45	8.69E-01	no
Gm5779	0.36	0.23	-0.65	8.69E-01	no
BC051019	0.08	0.03	-1.24	8.69E-01	no
Abhd12	12.64	13.96	0.14	8.69E-01	no
Igf2bp2	0.36	0.28	-0.32	8.69E-01	no
Naip1	0.24	0.19	-0.33	8.69E-01	no
Adam8	0.89	1.06	0.24	8.70E-01	no
Klb	0.02	0.04	1.09	8.70E-01	no
Clp1	21.97	20.07	-0.13	8.70E-01	no
Zfp563	2.07	2.35	0.18	8.70E-01	no
Cox16	8.78	7.77	-0.18	8.70E-01	no
Gpr124	0.20	0.16	-0.32	8.70E-01	no
Chmp4c	0.04	0.08	1.09	8.70E-01	no
Tshz3	0.01	0.03	1.09	8.70E-01	no
Dear1	0.21	0.41	0.96	8.70E-01	no
Slc17a7	0.04	0.07	0.83	8.70E-01	no
Slc35d3	0.10	0.15	0.60	8.70E-01	no
A930003A15Ri	0.30	0.46	0.59	8.70E-01	no
Tcea2	1.29	1.56	0.28	8.70E-01	no
Zfp235	2.40	2.74	0.19	8.70E-01	no
Acrbp	12.07	13.42	0.15	8.70E-01	no
H2-T24	11.38	12.58	0.15	8.70E-01	no

Rnf19b	14.51	15.85	0.13	8.70E-01	no
Zfp275	8.10	8.78	0.12	8.70E-01	no
Sharpin	31.93	34.58	0.11	8.70E-01	no
Traf4	20.09	21.73	0.11	8.70E-01	no
Tcf20	24.22	22.70	-0.09	8.70E-01	no
Pan2	25.44	23.68	-0.10	8.70E-01	no
Sfswap	27.16	25.26	-0.10	8.70E-01	no
Map3k5	15.92	14.76	-0.11	8.70E-01	no
Gm4902	3.11	2.64	-0.24	8.70E-01	no
Gm5148	2.97	2.51	-0.24	8.70E-01	no
Efhd1	1.82	1.52	-0.26	8.70E-01	no
Bex4	1.32	1.05	-0.33	8.70E-01	no
Adc	0.20	0.14	-0.54	8.70E-01	no
4933436C20Ri	0.32	0.22	-0.54	8.70E-01	no
E130203B14Ri	0.02	0.05	1.09	8.71E-01	no
Hist1h3d	0.09	0.27	1.64	8.71E-01	no
Zfp781	3.87	3.49	-0.15	8.71E-01	no
Psme2	45.16	48.93	0.12	8.71E-01	no
Zfp282	12.48	13.47	0.11	8.71E-01	no
Gm14492	3.50	4.01	0.20	8.71E-01	no
Zfp60	9.55	8.70	-0.13	8.71E-01	no
Gmppa	12.36	13.75	0.15	8.72E-01	no
I7Rn6	24.15	21.74	-0.15	8.72E-01	no
Sec61a2	10.49	11.64	0.15	8.72E-01	no
Gsk3b	20.58	19.19	-0.10	8.72E-01	no
Uqcc	9.95	9.01	-0.14	8.72E-01	no
Cdk5rap1	8.20	7.31	-0.17	8.72E-01	no
Cdipt	32.66	30.32	-0.11	8.72E-01	no
Xpnpep3	6.41	5.74	-0.16	8.72E-01	no
Mxra7	0.08	0.04	-1.23	8.72E-01	no
Zfp239	2.68	2.32	-0.20	8.72E-01	no
D930014E17Ri	13.80	12.24	-0.17	8.72E-01	no
Sec61a1	40.20	37.45	-0.10	8.72E-01	no
Rho	0.17	0.13	-0.44	8.72E-01	no
Cacna1c	0.02	0.01	-0.86	8.72E-01	no
Nsdhl	7.61	6.77	-0.17	8.72E-01	no
Gm1995	0.93	0.79	-0.23	8.72E-01	no
Mamdc4	2.43	2.14	-0.19	8.73E-01	no
Vars2	10.06	9.25	-0.12	8.73E-01	no
Gm5177	0.01	0.03	1.59	8.73E-01	no
Ankfy1	27.13	29.07	0.10	8.73E-01	no
Xab2	28.25	26.22	-0.11	8.73E-01	no

A830093I24Ril	0.41	0.32	-0.33	8.73E-01	no
Cd300ld	0.24	0.18	-0.44	8.73E-01	no
Irf9	28.58	30.52	0.09	8.73E-01	no
Myh9	63.76	59.31	-0.10	8.73E-01	no
Accn2	1.07	1.24	0.22	8.73E-01	no
Ubqln2	21.10	19.54	-0.11	8.73E-01	no
Nek7	22.86	21.16	-0.11	8.73E-01	no
Pou5f2	0.14	0.08	-0.86	8.73E-01	no
Egf	0.84	0.71	-0.24	8.73E-01	no
Dcun1d5	41.56	38.24	-0.12	8.73E-01	no
Utp18	15.72	14.38	-0.13	8.73E-01	no
Efhc1	0.17	0.23	0.46	8.74E-01	no
Ddt	26.12	29.24	0.16	8.74E-01	no
Prrc2c	55.03	51.18	-0.10	8.74E-01	no
Manf	18.75	17.17	-0.13	8.74E-01	no
Ccdc152	0.09	0.19	1.07	8.74E-01	no
Lefty1	0.16	0.23	0.52	8.74E-01	no
Hexb	18.61	20.38	0.13	8.74E-01	no
Vps13b	17.72	16.55	-0.10	8.74E-01	no
2700086A05Ri	0.50	0.35	-0.53	8.74E-01	no
Lrrc41	19.38	17.89	-0.12	8.74E-01	no
Folr2	0.16	0.09	-0.85	8.74E-01	no
Cd320	3.86	4.41	0.19	8.74E-01	no
Ankrd13d	14.81	16.18	0.13	8.74E-01	no
Cdk6	42.55	45.67	0.10	8.74E-01	no
Enox2	8.68	7.85	-0.14	8.74E-01	no
Rassf1	13.80	12.46	-0.15	8.74E-01	no
Zbtb34	9.51	10.29	0.11	8.74E-01	no
Vat1	4.52	4.00	-0.18	8.74E-01	no
Gng8	0.10	0.20	1.03	8.74E-01	no
Stk19	15.74	17.51	0.15	8.74E-01	no
1110005A03Ri	24.67	27.20	0.14	8.74E-01	no
Napa	24.88	26.87	0.11	8.74E-01	no
4933427E11Ri	0.22	0.32	0.51	8.74E-01	no
Atg2b	9.37	10.06	0.10	8.74E-01	no
Edc4	24.51	22.86	-0.10	8.74E-01	no
Ndor1	20.39	18.98	-0.10	8.74E-01	no
2610005L07Ril	7.48	6.80	-0.14	8.74E-01	no
Gm13034	4.09	3.51	-0.22	8.74E-01	no
Atp6v1g2	2.92	2.49	-0.23	8.74E-01	no
Adamtsl4	0.67	0.56	-0.25	8.74E-01	no
Serpinb10-ps	0.12	0.08	-0.61	8.74E-01	no

Fkbp8	80.50	76.21	-0.08	8.74E-01	no
Zfp300	0.44	0.53	0.28	8.75E-01	no
Timm8a2	0.08	0.18	1.15	8.75E-01	no
Mycn	0.86	1.02	0.25	8.75E-01	no
Hyi	3.38	3.98	0.24	8.75E-01	no
Mknk2	84.93	79.38	-0.10	8.75E-01	no
Ints1	36.42	34.04	-0.10	8.75E-01	no
Cox4i1	95.58	88.60	-0.11	8.75E-01	no
Sdhc	40.08	36.86	-0.12	8.75E-01	no
Pole4	30.07	27.63	-0.12	8.75E-01	no
Amot	0.99	0.85	-0.21	8.75E-01	no
Amn	0.09	0.04	-1.18	8.75E-01	no
Car5a	0.08	0.03	-1.56	8.75E-01	no
Gtf2e1	12.09	11.04	-0.13	8.75E-01	no
Mobk11b	49.97	46.34	-0.11	8.75E-01	no
Papln	0.03	0.02	-1.17	8.75E-01	no
Arl13a	0.05	0.11	1.14	8.75E-01	no
Pex26	3.20	2.84	-0.17	8.76E-01	no
Klf7	2.63	2.23	-0.24	8.76E-01	no
Nos2	0.04	0.02	-1.17	8.76E-01	no
Ulk1	13.67	14.71	0.11	8.76E-01	no
Gon4l	20.33	19.00	-0.10	8.76E-01	no
Nsg1	0.60	0.73	0.30	8.76E-01	no
Tut1	17.39	16.04	-0.12	8.76E-01	no
D19Erttd386e	10.22	9.37	-0.12	8.76E-01	no
4930515G01Ri	2.08	1.75	-0.25	8.76E-01	no
Ip6k2	18.75	20.46	0.13	8.77E-01	no
AW554918	6.02	5.48	-0.14	8.77E-01	no
C330018D20Ri	6.45	5.72	-0.17	8.77E-01	no
Rbm39	72.42	67.73	-0.10	8.77E-01	no
9430070013Ri	0.04	0.09	1.14	8.77E-01	no
Arhgdib	135.12	126.21	-0.10	8.77E-01	no
Get4	30.86	28.71	-0.10	8.77E-01	no
Aip	28.65	26.33	-0.12	8.77E-01	no
Trp53bp2	7.27	7.94	0.13	8.77E-01	no
Gga3	24.57	22.88	-0.10	8.77E-01	no
Alg10b	21.75	20.18	-0.11	8.77E-01	no
Apol7c	0.01	0.06	2.55	8.77E-01	no
Tmem30c	0.14	0.23	0.71	8.77E-01	no
Stab2	0.03	0.04	0.60	8.77E-01	no
Tmem115	9.47	10.47	0.14	8.77E-01	no
Jagn1	18.90	16.99	-0.15	8.77E-01	no

Lrch4,Lrch4-sa	28.85	26.47	-0.12	8.78E-01	no
Kcnk5	4.69	5.23	0.16	8.78E-01	no
Golgb1	13.63	14.58	0.10	8.78E-01	no
Psd2	0.03	0.01	-1.18	8.78E-01	no
Synj1	8.29	8.91	0.11	8.78E-01	no
Pbx2	21.12	19.56	-0.11	8.78E-01	no
Ubb	212.46	198.72	-0.10	8.78E-01	no
Pnpt1	16.48	15.12	-0.12	8.78E-01	no
Timm9	19.70	17.79	-0.15	8.78E-01	no
2310007A19Ri	0.25	0.42	0.74	8.78E-01	no
LOC100038947	0.12	0.19	0.71	8.78E-01	no
S100a1	2.72	3.25	0.26	8.78E-01	no
Hoxb4	2.22	2.55	0.20	8.78E-01	no
Dyrk3	5.49	6.19	0.17	8.78E-01	no
Vprbp	21.50	20.06	-0.10	8.78E-01	no
Smarcad1	16.10	14.95	-0.11	8.78E-01	no
Brf1	23.17	21.51	-0.11	8.78E-01	no
Usf1	30.17	27.94	-0.11	8.78E-01	no
1700007I08Rik	0.55	0.44	-0.34	8.78E-01	no
Ulk4	0.13	0.10	-0.42	8.78E-01	no
Gm10190	0.78	0.35	-1.17	8.78E-01	no
Itga1	0.17	0.13	-0.33	8.79E-01	no
Sphk2	16.15	17.25	0.10	8.79E-01	no
Mrps36	23.42	21.00	-0.16	8.79E-01	no
Mta2	69.88	65.40	-0.10	8.79E-01	no
Ero1lb	16.40	17.69	0.11	8.79E-01	no
Tmem104	3.99	3.58	-0.16	8.79E-01	no
Dll3	0.13	0.08	-0.63	8.79E-01	no
Ehmt2	47.96	45.57	-0.07	8.79E-01	no
Lime1	19.85	21.55	0.12	8.79E-01	no
Zfp955a	10.27	9.38	-0.13	8.79E-01	no
Ercc8	8.23	7.37	-0.16	8.80E-01	no
Stap2	0.41	0.32	-0.39	8.80E-01	no
Slc4a5	0.02	0.04	1.00	8.80E-01	no
Fermt1	0.03	0.05	0.66	8.80E-01	no
Gm1045	0.24	0.37	0.66	8.80E-01	no
Mapk8ip1	0.09	0.13	0.49	8.80E-01	no
Slc17a4	0.15	0.21	0.48	8.80E-01	no
Klf12	0.16	0.20	0.33	8.80E-01	no
Daf2	1.45	1.75	0.27	8.80E-01	no
1520402A15Ri	1.09	1.31	0.26	8.80E-01	no
4930578N16Ri	2.04	2.37	0.22	8.80E-01	no

Ifitm2	19.97	22.43	0.17	8.80E-01	no
2010305A19Ri	5.47	6.11	0.16	8.80E-01	no
Dstyk	4.19	4.61	0.14	8.80E-01	no
Nlk	8.47	9.24	0.13	8.80E-01	no
Zdhhc18	25.28	27.18	0.10	8.80E-01	no
2510039O18Ri	26.00	27.92	0.10	8.80E-01	no
Fbxo11	26.21	28.09	0.10	8.80E-01	no
Map4k1	34.85	37.34	0.10	8.80E-01	no
Nfat5	22.00	23.31	0.08	8.80E-01	no
Polr1d	110.40	116.95	0.08	8.80E-01	no
Nufip2	23.37	21.87	-0.10	8.80E-01	no
Rrp1	56.64	52.97	-0.10	8.80E-01	no
Rad54l2	12.69	11.85	-0.10	8.80E-01	no
Lig4	29.81	27.84	-0.10	8.80E-01	no
Pigm	17.32	16.16	-0.10	8.80E-01	no
Gfm2	15.36	14.27	-0.11	8.80E-01	no
Golga3	12.14	11.27	-0.11	8.80E-01	no
Map2k1	19.47	17.97	-0.12	8.80E-01	no
Gps2	31.98	29.45	-0.12	8.80E-01	no
Secisbp2	12.51	11.49	-0.12	8.80E-01	no
Mcm9	9.15	8.39	-0.12	8.80E-01	no
Jmjd6	19.34	17.72	-0.13	8.80E-01	no
Ccdc137	11.89	10.88	-0.13	8.80E-01	no
Azi1	6.80	6.19	-0.13	8.80E-01	no
Creld2	17.26	15.68	-0.14	8.80E-01	no
Nrip1	5.57	5.06	-0.14	8.80E-01	no
2810428I15Rik	19.59	17.46	-0.17	8.80E-01	no
2010012O05Ri	7.41	6.59	-0.17	8.80E-01	no
Snrpc	15.04	13.33	-0.17	8.80E-01	no
Mtap9	1.80	1.59	-0.18	8.80E-01	no
Slc39a8	2.60	2.29	-0.19	8.80E-01	no
2010109I03Rik	1.83	1.56	-0.23	8.80E-01	no
Mcoln3	0.63	0.51	-0.31	8.80E-01	no
Stmn1-rs1	0.58	0.44	-0.39	8.80E-01	no
Stk39	0.10	0.07	-0.57	8.80E-01	no
Sgtb	0.13	0.08	-0.61	8.80E-01	no
Tspo2	0.17	0.08	-1.18	8.80E-01	no
Man2a2	30.93	28.91	-0.10	8.80E-01	no
Alad	14.40	12.99	-0.15	8.80E-01	no
Mrgpra2b	0.03	0.12	1.93	8.80E-01	no
Pdgfc	0.04	0.06	0.72	8.80E-01	no
Synpo	0.03	0.01	-1.15	8.80E-01	no

Hmox2	38.41	35.38	-0.12	8.80E-01	no
Mrgpra2a	0.03	0.13	1.93	8.80E-01	no
Crnk11	19.52	18.09	-0.11	8.80E-01	no
Atxn2	10.88	10.05	-0.11	8.80E-01	no
Dnttip1	15.43	13.94	-0.15	8.80E-01	no
Gm9992	0.04	0.08	1.14	8.80E-01	no
Spata5	10.42	9.53	-0.13	8.80E-01	no
Slc22a15	1.10	0.96	-0.20	8.80E-01	no
Chst3	75.74	70.77	-0.10	8.81E-01	no
1700019N12Ri	0.09	0.18	0.97	8.81E-01	no
Tcfcp2	2.56	2.90	0.18	8.81E-01	no
Drosha	16.41	15.32	-0.10	8.81E-01	no
Hecw2	0.03	0.02	-0.64	8.81E-01	no
Spopl	8.14	8.95	0.14	8.81E-01	no
Itgb4	0.62	1.25	1.00	8.82E-01	no
Sparc	0.04	0.07	0.99	8.82E-01	no
Pcsk9	0.09	0.13	0.46	8.82E-01	no
Ggn	0.53	0.67	0.35	8.82E-01	no
Otud3	4.28	4.86	0.18	8.82E-01	no
Lss	4.15	4.65	0.16	8.82E-01	no
Tmem199	10.53	11.76	0.16	8.82E-01	no
Gnb4	6.85	7.62	0.15	8.82E-01	no
Tmem201	17.03	16.00	-0.09	8.82E-01	no
Pes1	26.97	25.14	-0.10	8.82E-01	no
Nob1	20.49	18.81	-0.12	8.82E-01	no
Ndufa11	9.02	8.19	-0.14	8.82E-01	no
Ccdc56	31.70	28.72	-0.14	8.82E-01	no
Snrnp27	23.89	21.52	-0.15	8.82E-01	no
Cox7c	39.13	35.08	-0.16	8.82E-01	no
Ndufaf1	11.69	10.46	-0.16	8.82E-01	no
Rbp2	0.21	0.10	-1.13	8.82E-01	no
Npr2	0.16	0.21	0.37	8.82E-01	no
Rab6b	3.49	3.90	0.16	8.82E-01	no
Mthfsd	10.58	11.59	0.13	8.82E-01	no
Hspa13	9.82	10.68	0.12	8.82E-01	no
Zfp664	31.10	29.08	-0.10	8.82E-01	no
Wdr85	6.78	6.10	-0.15	8.82E-01	no
Sco1	4.36	3.91	-0.16	8.82E-01	no
Ctnnbip1	3.90	3.46	-0.17	8.82E-01	no
Snx2	77.33	72.40	-0.10	8.82E-01	no
F2rl1	0.12	0.08	-0.57	8.82E-01	no
Dhcr24	11.24	12.16	0.11	8.82E-01	no

Ncdn	14.29	13.24	-0.11	8.82E-01	no
Ankrd13b	3.10	3.49	0.17	8.82E-01	no
Agap3	11.21	12.15	0.12	8.82E-01	no
Itgal	11.35	12.28	0.11	8.82E-01	no
Snx31	0.05	0.08	0.78	8.82E-01	no
Ctu1	6.07	6.77	0.16	8.82E-01	no
Psen2	13.99	15.27	0.13	8.82E-01	no
Zcchc24	13.61	14.69	0.11	8.82E-01	no
Acp6	41.53	38.66	-0.10	8.82E-01	no
Cdc14a	11.02	10.20	-0.11	8.82E-01	no
Slc29a2	1.85	1.60	-0.21	8.82E-01	no
Igsf6	1.84	1.58	-0.22	8.82E-01	no
Kcnab3	0.19	0.14	-0.45	8.82E-01	no
Wdr83	18.77	17.03	-0.14	8.82E-01	no
Gpr62	0.02	0.06	1.37	8.82E-01	no
Nek11	0.03	0.05	1.02	8.82E-01	no
Gm11428	0.42	0.66	0.66	8.82E-01	no
Hspb9	0.39	0.54	0.49	8.82E-01	no
Pdcl3	12.90	14.24	0.14	8.82E-01	no
Fgfr1op2	47.27	44.24	-0.10	8.82E-01	no
Cxhc5	48.54	45.38	-0.10	8.82E-01	no
Rbm22	36.13	33.67	-0.10	8.82E-01	no
Pgrmc1	29.80	27.57	-0.11	8.82E-01	no
Gnl2	19.75	18.25	-0.11	8.82E-01	no
Myst1	15.32	13.91	-0.14	8.82E-01	no
Trmu	7.14	6.33	-0.17	8.82E-01	no
Rundc3a	0.61	0.50	-0.28	8.82E-01	no
E130304I02Rik	0.28	0.16	-0.78	8.82E-01	no
Gpr34	0.14	0.08	-0.80	8.82E-01	no
Kcnmb3	0.20	0.11	-0.88	8.82E-01	no
Prpf39	26.92	28.83	0.10	8.82E-01	no
Clec3b	0.29	0.41	0.47	8.82E-01	no
Stxbp5	3.86	4.22	0.13	8.82E-01	no
Akt3	23.31	21.78	-0.10	8.82E-01	no
Tex10	20.36	18.88	-0.11	8.82E-01	no
Fam103a1	36.34	33.48	-0.12	8.82E-01	no
6430704M03R	0.06	0.03	-0.84	8.82E-01	no
Hipk4	0.15	0.20	0.41	8.82E-01	no
Vti1b	19.63	21.54	0.13	8.82E-01	no
Pip5k1a	13.96	12.81	-0.12	8.82E-01	no
Cyp2u1	0.12	0.17	0.48	8.82E-01	no
Angel1	1.22	1.41	0.20	8.82E-01	no

Gm10416	2.46	2.97	0.28	8.82E-01	no
Gm4907	1.29	1.53	0.25	8.82E-01	no
Cklf	12.85	14.48	0.17	8.82E-01	no
1300018J18Ril	5.87	6.54	0.16	8.82E-01	no
Zfp523	6.14	6.80	0.15	8.82E-01	no
Igf1r	3.93	4.26	0.12	8.82E-01	no
Aplp2	15.61	16.73	0.10	8.82E-01	no
Otud5	36.65	39.20	0.10	8.82E-01	no
Vps36	29.38	27.01	-0.12	8.82E-01	no
2810408M09R	12.36	11.23	-0.14	8.82E-01	no
Ndrp1	4.35	3.86	-0.17	8.82E-01	no
Efr3b	0.81	0.70	-0.21	8.82E-01	no
Phf16	10.29	9.35	-0.14	8.83E-01	no
Chmp5	21.04	19.16	-0.14	8.83E-01	no
Tmem63a	8.26	9.05	0.13	8.83E-01	no
Golga5	18.27	19.58	0.10	8.83E-01	no
Zfp646	25.38	23.80	-0.09	8.83E-01	no
Clca1	0.05	0.02	-0.90	8.83E-01	no
Shank1	0.03	0.02	-0.64	8.83E-01	no
Alox12	0.04	0.07	0.77	8.83E-01	no
Zzz3	14.50	15.38	0.09	8.83E-01	no
Med23	16.18	15.13	-0.10	8.83E-01	no
Dlg1	20.71	22.17	0.10	8.83E-01	no
Kdm1b	14.17	13.16	-0.11	8.83E-01	no
Sh3bp5l	14.48	13.44	-0.11	8.83E-01	no
F2r	0.25	0.32	0.34	8.83E-01	no
Nol6	19.71	18.42	-0.10	8.83E-01	no
Mtmt1	16.71	17.93	0.10	8.84E-01	no
Niacr1	0.10	0.15	0.64	8.84E-01	no
Vamp4	8.67	9.60	0.15	8.84E-01	no
Herc1	15.92	14.93	-0.09	8.84E-01	no
Gm8234	1.67	1.43	-0.23	8.84E-01	no
B3galt2	0.08	0.05	-0.58	8.84E-01	no
LOC100045653	0.09	0.06	-0.66	8.84E-01	no
Cideb	0.03	0.09	1.66	8.85E-01	no
Gm5151	0.48	0.60	0.31	8.85E-01	no
AU019823	14.87	13.79	-0.11	8.85E-01	no
Gcn1l1	28.75	26.98	-0.09	8.85E-01	no
Apol9a	0.10	0.04	-1.18	8.85E-01	no
Myom2	0.80	0.93	0.21	8.85E-01	no
Fnbp4	35.34	33.16	-0.09	8.85E-01	no
Rbm4	20.09	18.59	-0.11	8.85E-01	no

Lrrc4	0.04	0.02	-0.89	8.85E-01	no
Zfp82	4.49	5.07	0.18	8.85E-01	no
Zfp763	3.53	3.97	0.17	8.85E-01	no
Grin3a	0.03	0.05	0.96	8.86E-01	no
Sort1	4.22	3.85	-0.13	8.86E-01	no
Abcc3	0.20	0.16	-0.31	8.86E-01	no
Sec24b	20.32	19.00	-0.10	8.86E-01	no
Klhl20	14.95	13.88	-0.11	8.86E-01	no
Ccdc51	6.26	5.62	-0.16	8.86E-01	no
Rab2a	29.23	31.48	0.11	8.86E-01	no
Nt5c	29.34	26.73	-0.13	8.86E-01	no
Slc25a30	7.47	6.67	-0.16	8.86E-01	no
Rtn4r	0.17	0.23	0.44	8.86E-01	no
St6galnac3	0.96	1.12	0.22	8.86E-01	no
Slc5a6	3.21	3.62	0.18	8.86E-01	no
Prpf40b	3.26	3.65	0.16	8.86E-01	no
Zfa	4.69	5.22	0.16	8.86E-01	no
Tsta3	18.70	20.46	0.13	8.86E-01	no
Rxrb	30.21	28.22	-0.10	8.86E-01	no
Jarid2	16.07	15.01	-0.10	8.86E-01	no
Pex6	19.90	18.55	-0.10	8.86E-01	no
Robld3	32.75	29.59	-0.15	8.86E-01	no
Uxt	7.93	6.94	-0.19	8.86E-01	no
Cfh	0.09	0.06	-0.56	8.86E-01	no
Orm3	0.38	0.26	-0.57	8.86E-01	no
Pax7	0.26	0.32	0.27	8.86E-01	no
Amdhd1	1.44	1.66	0.21	8.86E-01	no
Setd4	2.76	3.16	0.19	8.86E-01	no
BC026590	12.36	11.45	-0.11	8.86E-01	no
Tmf1	11.26	10.50	-0.10	8.87E-01	no
Vps72	23.38	21.53	-0.12	8.87E-01	no
Napepld	2.44	2.15	-0.18	8.87E-01	no
Prdx4	32.57	29.87	-0.13	8.87E-01	no
Grin3b	0.36	0.43	0.27	8.87E-01	no
Tlr2	3.16	3.58	0.18	8.87E-01	no
Usp33	14.81	13.82	-0.10	8.87E-01	no
Lrrc14	12.45	11.39	-0.13	8.87E-01	no
Zadh2	16.51	17.79	0.11	8.87E-01	no
BC031781	22.29	20.76	-0.10	8.87E-01	no
Gatad1	21.07	19.53	-0.11	8.87E-01	no
Glt8d1	12.43	11.20	-0.15	8.87E-01	no
Vmn1r90	0.07	0.04	-0.74	8.87E-01	no

Pin1-ps1	2.11	1.79	-0.23	8.87E-01	no
Gm5150	0.07	0.14	1.01	8.88E-01	no
Hoxb6	0.16	0.23	0.53	8.88E-01	no
Folr4	1.89	2.23	0.24	8.88E-01	no
Rad9b	1.90	2.21	0.22	8.88E-01	no
Slc25a33	2.52	2.89	0.20	8.88E-01	no
Sirt5	5.11	5.79	0.18	8.88E-01	no
Nr4a1	3.26	3.68	0.18	8.88E-01	no
Zbtb42	2.52	2.83	0.17	8.88E-01	no
Pgpep1	7.16	7.95	0.15	8.88E-01	no
Gtpbp5	9.27	10.21	0.14	8.88E-01	no
Mfsd10	20.33	22.03	0.12	8.88E-01	no
Mtx3	8.58	9.25	0.11	8.88E-01	no
Zc3h13	15.77	14.78	-0.09	8.88E-01	no
Crk	33.50	31.38	-0.09	8.88E-01	no
Zfand3	20.59	19.12	-0.11	8.88E-01	no
Mtif3	10.38	9.43	-0.14	8.88E-01	no
Zmat5	14.03	12.54	-0.16	8.88E-01	no
Dnajc15	16.36	14.55	-0.17	8.88E-01	no
Nap1l5	0.34	0.26	-0.38	8.88E-01	no
Lrrc46	0.22	0.14	-0.60	8.88E-01	no
4933425L06Ril	0.06	0.03	-0.88	8.88E-01	no
Apol8	0.07	0.04	-0.88	8.88E-01	no
Cap2	0.04	0.02	-0.88	8.88E-01	no
Cited1	0.14	0.08	-0.88	8.88E-01	no
Cyp2ab1	0.05	0.03	-0.88	8.88E-01	no
Tex12	0.23	0.13	-0.88	8.88E-01	no
H2-M10.2	0.14	0.07	-1.09	8.88E-01	no
Dip2a	2.18	2.42	0.15	8.88E-01	no
Tsr2	6.31	5.76	-0.13	8.88E-01	no
Rnf207	0.01	0.04	1.70	8.88E-01	no
Scarf2	0.05	0.07	0.63	8.88E-01	no
2310039H08Ri	7.78	8.83	0.18	8.88E-01	no
Acot9	8.16	9.13	0.16	8.88E-01	no
Bax	27.09	29.60	0.13	8.88E-01	no
Spg21	17.87	19.28	0.11	8.88E-01	no
Nktr	30.44	32.39	0.09	8.88E-01	no
Epn1	41.57	38.98	-0.09	8.88E-01	no
Tmem26	1.31	1.14	-0.20	8.88E-01	no
Spata21	0.05	0.03	-0.84	8.88E-01	no
Myo18b	0.02	0.01	-1.09	8.88E-01	no
Cml2	0.22	0.18	-0.35	8.88E-01	no

Trmt61b	5.49	6.30	0.20	8.88E-01	no
Dvl3	16.06	17.29	0.11	8.88E-01	no
Vps33a	16.44	17.61	0.10	8.88E-01	no
1500003O03Ri	38.99	36.50	-0.10	8.88E-01	no
Lin52	8.56	7.71	-0.15	8.88E-01	no
Xlr3c	0.71	0.58	-0.30	8.88E-01	no
Galnt2	20.53	21.93	0.09	8.89E-01	no
Tatdn2	21.31	19.83	-0.10	8.89E-01	no
Kctd4	0.04	0.02	-1.49	8.89E-01	no
Dnajc2	31.43	29.31	-0.10	8.89E-01	no
D930016D06R	7.53	6.86	-0.13	8.89E-01	no
P2rx5	0.13	0.09	-0.57	8.89E-01	no
Spatc1	0.07	0.12	0.74	8.89E-01	no
Mid1	0.91	1.06	0.22	8.89E-01	no
Acn9	5.43	6.30	0.21	8.89E-01	no
Fam184a	0.20	0.25	0.31	8.89E-01	no
Jtb	24.56	26.79	0.13	8.89E-01	no
Tex2	6.33	6.87	0.12	8.89E-01	no
2310001A20Ri	16.14	17.51	0.12	8.89E-01	no
2700007P21Ri	14.07	15.16	0.11	8.89E-01	no
Zc3h11a	44.15	46.97	0.09	8.89E-01	no
Elp2	27.41	25.60	-0.10	8.89E-01	no
Cog8	21.99	20.39	-0.11	8.89E-01	no
Sec61b	71.09	65.71	-0.11	8.89E-01	no
Mfn1	8.79	8.11	-0.12	8.89E-01	no
Cfl2	12.35	11.30	-0.13	8.89E-01	no
Rsc1a1	8.27	7.47	-0.15	8.89E-01	no
Gm6194	4.34	3.84	-0.18	8.89E-01	no
Proz	2.89	3.27	0.18	8.89E-01	no
BC048609	0.09	0.22	1.31	8.89E-01	no
Tmed2	117.94	110.87	-0.09	8.89E-01	no
Pdcd5	16.81	15.01	-0.16	8.89E-01	no
Daglb	3.44	3.06	-0.17	8.89E-01	no
Trpv4	0.07	0.04	-0.73	8.89E-01	no
Ltbp2	0.01	0.02	1.05	8.89E-01	no
2410006H16Ri	27.70	30.83	0.15	8.89E-01	no
2-Mar	7.96	8.69	0.13	8.89E-01	no
Zc3hav1l	8.46	9.12	0.11	8.89E-01	no
Mcm3ap	19.26	18.08	-0.09	8.89E-01	no
Prr12	17.09	16.05	-0.09	8.89E-01	no
Ctr9	19.65	18.40	-0.09	8.89E-01	no
Smc1b	0.06	0.08	0.53	8.90E-01	no

Nanos3	0.61	0.79	0.37	8.90E-01	no
Tbx6	5.71	6.39	0.16	8.90E-01	no
Zranb2	47.49	44.54	-0.09	8.90E-01	no
Mad2l1bp	17.85	16.24	-0.14	8.90E-01	no
5830415F09Ri	4.91	5.53	0.17	8.90E-01	no
Ppp2r1a	56.53	53.09	-0.09	8.90E-01	no
Zfp772	2.09	1.82	-0.19	8.90E-01	no
Esyt3	0.21	0.17	-0.30	8.90E-01	no
Wsb2	8.67	9.51	0.13	8.90E-01	no
Rab3gap1	16.05	17.18	0.10	8.90E-01	no
Crebzf	30.58	32.56	0.09	8.90E-01	no
Dvl1	17.62	16.43	-0.10	8.90E-01	no
Afg3l2	17.34	16.13	-0.10	8.90E-01	no
Slc2a5	0.04	0.07	0.70	8.90E-01	no
Slc25a46	16.94	15.79	-0.10	8.90E-01	no
Ms4a4b	1.10	1.32	0.27	8.90E-01	no
Spon2	0.06	0.03	-1.06	8.90E-01	no
E430016F16Ri	0.11	0.15	0.45	8.90E-01	no
Nudt2	7.40	8.40	0.18	8.90E-01	no
Map4k4	32.78	30.83	-0.09	8.90E-01	no
Foxd2	1.30	1.50	0.21	8.90E-01	no
Cyp20a1	6.69	7.51	0.17	8.90E-01	no
Vcpip1	26.87	28.61	0.09	8.90E-01	no
Cerk	54.93	58.42	0.09	8.90E-01	no
Elovl5	38.21	35.80	-0.09	8.90E-01	no
Pgbd1	0.59	0.48	-0.30	8.90E-01	no
Ube2e2	0.45	0.35	-0.38	8.90E-01	no
Cdkn2a	0.54	0.41	-0.40	8.90E-01	no
Tab3	6.40	6.93	0.11	8.91E-01	no
Ppp6r1	65.13	69.22	0.09	8.91E-01	no
Tpt1p	1613.97	1500.77	-0.10	8.91E-01	no
Fam192a	27.46	25.51	-0.11	8.91E-01	no
Yipf4	18.07	16.59	-0.12	8.91E-01	no
Rad51l1	3.43	3.01	-0.19	8.91E-01	no
Pin4	6.48	5.58	-0.22	8.91E-01	no
8-Sep	1.72	1.95	0.17	8.91E-01	no
Riok3	22.22	20.77	-0.10	8.91E-01	no
Ttc39c	0.10	0.06	-0.72	8.91E-01	no
Peo1	9.58	10.37	0.11	8.91E-01	no
Fam160b2	16.43	15.36	-0.10	8.91E-01	no
Klf16	10.22	9.36	-0.13	8.91E-01	no
5930434B04Ri	13.98	12.74	-0.13	8.91E-01	no

Cmas	18.05	19.58	0.12	8.91E-01	no
Ugt3a2	0.07	0.10	0.68	8.91E-01	no
Fosl2	0.40	0.47	0.23	8.91E-01	no
Hhex	28.36	26.31	-0.11	8.91E-01	no
Clpp	13.88	12.57	-0.14	8.91E-01	no
Atf4	57.32	53.78	-0.09	8.91E-01	no
Tmem204	0.56	0.68	0.27	8.92E-01	no
Klhl24	45.93	48.81	0.09	8.92E-01	no
2900073G15Ri	42.98	40.21	-0.10	8.92E-01	no
Rnf2	28.13	26.31	-0.10	8.92E-01	no
Dnahc9	0.01	0.00	-1.05	8.92E-01	no
Arl9	0.40	0.19	-1.05	8.92E-01	no
Ahnak	4.68	1.68	-1.47	8.92E-01	no
Vezt	4.49	4.94	0.14	8.92E-01	no
Gopc	16.71	17.85	0.10	8.92E-01	no
Nmd3	18.83	17.30	-0.12	8.92E-01	no
Eif2b3	8.12	7.31	-0.15	8.92E-01	no
Acat3	5.01	4.46	-0.17	8.92E-01	no
Tctn2	0.82	0.70	-0.23	8.92E-01	no
Bet1	15.40	16.97	0.14	8.92E-01	no
Efr3a	26.42	24.82	-0.09	8.92E-01	no
Chic2	19.25	17.50	-0.14	8.92E-01	no
3110021A11Ri	0.19	0.30	0.64	8.92E-01	no
Myh14	0.00	0.02	2.35	8.92E-01	no
Grid2ip	0.02	0.04	0.91	8.92E-01	no
Gm8773	0.09	0.16	0.91	8.92E-01	no
Ogdhl	0.07	0.10	0.48	8.92E-01	no
LOC100316870	0.02	0.03	0.46	8.92E-01	no
Isg15	5.88	6.71	0.19	8.92E-01	no
Ift81	1.64	1.88	0.19	8.92E-01	no
Tnfaip8l2	7.95	8.90	0.16	8.92E-01	no
Slc10a3	7.67	8.50	0.15	8.92E-01	no
Commd9	12.60	13.92	0.14	8.92E-01	no
Alkbh3	13.76	15.14	0.14	8.92E-01	no
Rfng	13.25	14.39	0.12	8.92E-01	no
Osbpl2	11.78	12.75	0.11	8.92E-01	no
Rbm12b	14.21	15.30	0.11	8.92E-01	no
Ulk2	11.38	12.18	0.10	8.92E-01	no
Ncstn	25.07	26.77	0.09	8.92E-01	no
Abl1	39.73	37.91	-0.07	8.92E-01	no
Clk2	27.28	25.59	-0.09	8.92E-01	no
Surf6	21.89	20.43	-0.10	8.92E-01	no

Ube2e3	38.89	36.25	-0.10	8.92E-01	no
Cd48	44.90	41.77	-0.10	8.92E-01	no
Slc10a7	14.93	13.88	-0.11	8.92E-01	no
Anapc4	19.82	18.42	-0.11	8.92E-01	no
2810432D09Ri	22.77	20.72	-0.14	8.92E-01	no
Mrps11	14.29	12.92	-0.15	8.92E-01	no
Cltb	7.36	6.60	-0.16	8.92E-01	no
Rapgef3	2.35	2.10	-0.16	8.92E-01	no
Fam173b	6.86	6.08	-0.17	8.92E-01	no
Nudt8	3.51	3.03	-0.21	8.92E-01	no
Zfp786	0.66	0.56	-0.24	8.92E-01	no
Wnt9a	0.42	0.35	-0.26	8.92E-01	no
Mip	0.35	0.28	-0.33	8.92E-01	no
Adamts8	0.04	0.02	-1.06	8.92E-01	no
Ctsz	31.16	28.94	-0.11	8.93E-01	no
5-Mar	30.53	32.40	0.09	8.93E-01	no
Gm6900	3.81	3.26	-0.22	8.93E-01	no
Tnnc2	0.46	0.33	-0.49	8.93E-01	no
Tarm1	0.07	0.14	0.94	8.93E-01	no
Ppargc1b	2.72	3.03	0.16	8.93E-01	no
Ubash3a	23.49	25.05	0.09	8.93E-01	no
Tmed10	37.61	35.35	-0.09	8.93E-01	no
Zbtb8os	13.00	11.54	-0.17	8.93E-01	no
Dhrs7b	10.37	9.42	-0.14	8.93E-01	no
Sh3bgrl	60.44	56.85	-0.09	8.94E-01	no
9130019O22Ri	3.31	2.97	-0.15	8.94E-01	no
4933408B17Ri	1.19	1.02	-0.22	8.94E-01	no
Alkbh5	28.32	26.67	-0.09	8.94E-01	no
Hgfac	0.16	0.11	-0.48	8.94E-01	no
BC016579	0.05	0.09	0.90	8.94E-01	no
Mosc2	21.40	23.08	0.11	8.94E-01	no
Spaca4	0.16	0.09	-0.81	8.94E-01	no
Pitpnm2	19.69	18.52	-0.09	8.94E-01	no
Wasf2	64.95	61.19	-0.09	8.94E-01	no
2310042D19Ri	0.48	0.57	0.24	8.94E-01	no
Hist1h2ak	0.37	0.21	-0.81	8.94E-01	no
Atp6v1c1	23.64	25.41	0.10	8.94E-01	no
Oscp1	1.90	1.66	-0.20	8.95E-01	no
Acadl	34.53	32.28	-0.10	8.95E-01	no
Tbccd1	10.56	9.70	-0.12	8.95E-01	no
Spin4	0.07	0.04	-0.73	8.95E-01	no
Trim43a	0.16	0.22	0.48	8.95E-01	no

Yif1a	10.20	11.27	0.14	8.96E-01	no
Wdr54	0.27	0.20	-0.48	8.96E-01	no
Birc2	28.24	30.10	0.09	8.96E-01	no
Mllt10	27.36	25.75	-0.09	8.96E-01	no
Gm5077	0.03	0.05	0.91	8.96E-01	no
Erc1	4.39	5.44	0.31	8.96E-01	no
D630037F22Ri	1.79	1.99	0.15	8.96E-01	no
Lin37	13.72	15.15	0.14	8.96E-01	no
Zfx	18.17	19.17	0.08	8.96E-01	no
Atxn7l3b	44.38	41.80	-0.09	8.96E-01	no
Kdm6a	21.77	20.47	-0.09	8.96E-01	no
9930111J21Ril	12.06	11.21	-0.11	8.96E-01	no
Gm14391	0.11	0.20	0.79	8.96E-01	no
Nwd1	0.03	0.04	0.51	8.96E-01	no
Snopc2	14.49	15.79	0.12	8.96E-01	no
Ext1	7.11	7.75	0.12	8.96E-01	no
Klhl9	27.83	29.59	0.09	8.96E-01	no
Sfrs18	37.26	35.10	-0.09	8.96E-01	no
Ptplad1	16.89	15.68	-0.11	8.96E-01	no
Ptpn12	8.83	8.10	-0.12	8.96E-01	no
Ddx43	0.09	0.05	-0.76	8.96E-01	no
Ormdl1	19.25	17.72	-0.12	8.97E-01	no
1700049L16Ril	0.24	0.35	0.55	8.97E-01	no
Al317395	0.12	0.17	0.44	8.97E-01	no
Tmem160	18.48	20.40	0.14	8.97E-01	no
Ankrd28	27.16	28.85	0.09	8.97E-01	no
Tram1	73.20	69.04	-0.08	8.97E-01	no
1110018G07Ri	23.92	22.52	-0.09	8.97E-01	no
Cnrip1	6.23	5.54	-0.17	8.97E-01	no
1110065P20Ri	3.04	3.51	0.21	8.98E-01	no
Ccl25	2.66	3.07	0.21	8.98E-01	no
Zfp11	12.41	13.66	0.14	8.98E-01	no
Acad11	4.92	5.41	0.14	8.98E-01	no
5830433M19R	9.29	8.44	-0.14	8.98E-01	no
Sh3bp4	0.22	0.26	0.27	8.98E-01	no
Fam13a	0.88	1.01	0.20	8.98E-01	no
Ap1s1	35.60	33.14	-0.10	8.98E-01	no
Ino80e	32.22	29.83	-0.11	8.98E-01	no
Gm16039	13.82	12.70	-0.12	8.98E-01	no
Rpl26	19.28	11.28	-0.77	8.98E-01	no
Nphp1	6.67	6.04	-0.14	8.98E-01	no
Glrbl	0.04	0.07	0.85	8.98E-01	no

Commd6	14.60	16.23	0.15	8.98E-01	no
Mpp1	39.73	42.26	0.09	8.98E-01	no
Trp53	66.61	70.10	0.07	8.98E-01	no
Taok1	17.38	16.38	-0.09	8.98E-01	no
Picalm	39.64	37.35	-0.09	8.98E-01	no
Tshz1	11.39	10.67	-0.09	8.98E-01	no
Hdac6	11.84	11.08	-0.10	8.98E-01	no
Mrpl23	44.65	41.03	-0.12	8.98E-01	no
Mrm1	9.99	9.16	-0.12	8.98E-01	no
Abhd4	6.47	5.86	-0.14	8.98E-01	no
9630033F20Ri	3.82	3.44	-0.15	8.98E-01	no
Fbxo46	7.83	7.18	-0.13	8.98E-01	no
Kif5c	0.05	0.04	-0.48	8.98E-01	no
Spink13	0.12	0.21	0.77	8.99E-01	no
Tigd5	1.21	1.07	-0.18	8.99E-01	no
Zrsr2	14.01	13.14	-0.09	8.99E-01	no
Cyp4f14	0.01	0.05	2.26	9.00E-01	no
Syt14	0.03	0.06	1.23	9.00E-01	no
Stx8	2.76	3.06	0.15	9.00E-01	no
1200016B10Ri	7.09	7.72	0.12	9.00E-01	no
Leprot	20.83	22.48	0.11	9.00E-01	no
Ccng1	25.57	27.22	0.09	9.00E-01	no
Mtss1	39.42	41.45	0.07	9.00E-01	no
Ino80d	20.81	21.78	0.07	9.00E-01	no
Lgals9	179.51	170.42	-0.07	9.00E-01	no
Myo1g	26.49	24.91	-0.09	9.00E-01	no
Ogg1	8.48	7.65	-0.15	9.00E-01	no
Gsr	3.52	3.13	-0.17	9.00E-01	no
Scarna6	1.29	0.86	-0.58	9.00E-01	no
Mef2d	70.70	66.73	-0.08	9.00E-01	no
Bglap2	0.21	0.36	0.81	9.00E-01	no
Gm8096	0.11	0.16	0.53	9.00E-01	no
Pigy	3.24	3.57	0.14	9.00E-01	no
Tarbp2	18.92	17.51	-0.11	9.00E-01	no
2010007H12Ri	30.45	28.14	-0.11	9.00E-01	no
Trim72	0.03	0.06	0.98	9.00E-01	no
Hp1bp3	79.26	83.34	0.07	9.00E-01	no
Sh3bp2	11.66	10.90	-0.10	9.00E-01	no
Dync1li1	17.82	16.52	-0.11	9.00E-01	no
Ngdn	21.33	19.63	-0.12	9.00E-01	no
Mrps24	21.92	20.07	-0.13	9.00E-01	no
Gm16381	18.08	16.48	-0.13	9.00E-01	no

Cnn1	2.04	1.78	-0.20	9.00E-01	no
Hist1h3f	0.27	0.18	-0.60	9.00E-01	no
0610040B10Ri	1.90	2.34	0.30	9.00E-01	no
Zfp933	5.35	5.85	0.13	9.00E-01	no
Vps28	25.12	27.30	0.12	9.00E-01	no
Gm1673	0.64	0.44	-0.54	9.00E-01	no
Rhod	0.20	0.13	-0.56	9.00E-01	no
Hyal1	0.03	0.07	0.98	9.00E-01	no
Dopey1	6.85	7.31	0.09	9.00E-01	no
Btc	0.04	0.08	0.87	9.01E-01	no
Htra3	0.27	0.21	-0.35	9.01E-01	no
Gm10536	0.04	0.07	0.64	9.01E-01	no
Parp11	16.34	17.46	0.10	9.01E-01	no
Stau2	4.23	3.81	-0.15	9.01E-01	no
Gmids	13.35	14.57	0.13	9.01E-01	no
Aplp1	0.03	0.05	0.90	9.01E-01	no
Gm10941	0.23	0.34	0.57	9.01E-01	no
Vps37d	0.17	0.24	0.53	9.01E-01	no
Mum1l1	0.29	0.36	0.30	9.01E-01	no
Fam109b	0.31	0.38	0.30	9.01E-01	no
Frs3	0.27	0.32	0.28	9.01E-01	no
Rcn1	7.29	7.95	0.12	9.01E-01	no
Csnk1g3	16.67	15.62	-0.09	9.01E-01	no
Ccdc134	19.30	17.95	-0.10	9.01E-01	no
Tubg2	4.18	3.73	-0.17	9.01E-01	no
Asns	2.26	1.98	-0.19	9.02E-01	no
Tmem81	6.37	7.08	0.15	9.02E-01	no
D10Wsu102e	18.24	17.09	-0.09	9.02E-01	no
Pkhd1l1	0.02	0.02	-0.49	9.02E-01	no
Phf12	33.97	32.07	-0.08	9.02E-01	no
Uba52	260.61	245.92	-0.08	9.02E-01	no
Sec11a	36.26	33.63	-0.11	9.02E-01	no
Prss50	0.06	0.10	0.87	9.02E-01	no
Pfkm	6.03	6.78	0.17	9.02E-01	no
Lgr6	0.02	0.04	0.97	9.02E-01	no
Wdfy3	1.97	1.82	-0.12	9.02E-01	no
Elmod3	8.01	7.30	-0.13	9.02E-01	no
Pcolce	0.87	0.74	-0.25	9.02E-01	no
Jub	3.96	4.37	0.14	9.02E-01	no
Zfp516	1.46	1.61	0.15	9.03E-01	no
Ddx26b	14.79	13.81	-0.10	9.03E-01	no
Fastkd1	7.35	6.70	-0.13	9.03E-01	no

Bcdin3d	6.16	5.50	-0.16	9.03E-01	no
Celsr3	0.03	0.02	-0.45	9.03E-01	no
Tmem161a	8.62	9.34	0.12	9.03E-01	no
Nampt	14.81	15.80	0.09	9.03E-01	no
Ezr	59.53	63.00	0.08	9.03E-01	no
Rep15	0.07	0.13	0.89	9.03E-01	no
Accn3	0.08	0.12	0.63	9.03E-01	no
Dbil5	0.34	0.49	0.53	9.03E-01	no
4931406H21Ri	0.16	0.20	0.31	9.03E-01	no
Zfp329	10.07	10.72	0.09	9.03E-01	no
Senp6	24.63	26.12	0.08	9.03E-01	no
Dda1	27.05	25.36	-0.09	9.03E-01	no
Mvk	7.80	7.07	-0.14	9.03E-01	no
Gm6537	0.13	0.06	-0.99	9.03E-01	no
Pigz	0.10	0.07	-0.65	9.03E-01	no
Rab5a	19.89	21.35	0.10	9.03E-01	no
Golph3	36.43	34.28	-0.09	9.03E-01	no
Dhx29	11.01	10.27	-0.10	9.03E-01	no
Vhl	11.60	12.54	0.11	9.03E-01	no
Chchd1	30.07	27.49	-0.13	9.03E-01	no
Rbks	5.87	6.60	0.17	9.03E-01	no
Atat1	8.79	9.55	0.12	9.03E-01	no
Trim43c	0.84	0.71	-0.24	9.03E-01	no
Tmem168	14.16	15.13	0.10	9.03E-01	no
Dhx40	16.63	17.75	0.09	9.04E-01	no
Intu	1.66	1.84	0.15	9.04E-01	no
Kti12	24.70	22.97	-0.10	9.04E-01	no
6330439K17Ri	0.06	0.08	0.37	9.04E-01	no
Polr3c	26.31	24.57	-0.10	9.04E-01	no
Cope	38.95	36.31	-0.10	9.04E-01	no
Dhx32	10.89	10.09	-0.11	9.04E-01	no
Hoxb7	0.07	0.12	0.86	9.04E-01	no
Heatr5b	9.75	10.39	0.09	9.04E-01	no
Hmgxb3	11.71	12.41	0.08	9.04E-01	no
Golga4	15.19	16.09	0.08	9.04E-01	no
Dctn4	21.78	20.48	-0.09	9.04E-01	no
Capg	14.57	13.36	-0.12	9.04E-01	no
Mettl10	14.75	13.38	-0.14	9.04E-01	no
Atp10b	0.04	0.03	-0.56	9.04E-01	no
9030418K01Ri	0.25	0.31	0.31	9.04E-01	no
Nfxl1	4.84	5.31	0.13	9.04E-01	no
BC025920	5.05	5.61	0.15	9.04E-01	no

Kdelr1	32.24	30.08	-0.10	9.04E-01	no
Kcnj14	0.07	0.04	-0.73	9.04E-01	no
Mafb	0.13	0.17	0.35	9.05E-01	no
Rnf25	10.96	11.99	0.13	9.05E-01	no
Zfp384	29.87	28.15	-0.09	9.05E-01	no
Dsp	0.02	0.02	0.60	9.05E-01	no
Rnf157	18.80	19.95	0.09	9.05E-01	no
Ppib	84.68	79.65	-0.09	9.05E-01	no
Arl16	4.92	4.42	-0.15	9.05E-01	no
Casp8	32.86	31.07	-0.08	9.05E-01	no
Cdh15	0.12	0.09	-0.44	9.05E-01	no
4933430117Rik	0.40	0.33	-0.29	9.05E-01	no
Srp54c	23.84	22.31	-0.10	9.05E-01	no
Per3	1.89	2.09	0.14	9.06E-01	no
Slamf6	50.31	53.36	0.08	9.06E-01	no
Pfdn1	17.46	15.98	-0.13	9.06E-01	no
Cox17	29.96	27.15	-0.14	9.06E-01	no
Ccdc57	2.57	2.31	-0.15	9.06E-01	no
Ly6i	0.31	0.43	0.47	9.06E-01	no
Ccdc155	0.11	0.14	0.44	9.06E-01	no
Sertad1	5.73	6.40	0.16	9.06E-01	no
Eif4ebp3	9.76	10.79	0.15	9.06E-01	no
Stxbp2	23.33	24.82	0.09	9.06E-01	no
Icmt	21.75	23.04	0.08	9.06E-01	no
Trpc4ap	37.79	39.93	0.08	9.06E-01	no
Maf1	54.55	57.36	0.07	9.06E-01	no
Ttf1	14.30	13.43	-0.09	9.06E-01	no
Atg4a	7.57	6.88	-0.14	9.06E-01	no
Rai12	22.70	19.69	-0.21	9.06E-01	no
Prex2	0.04	0.03	-0.66	9.06E-01	no
Tgfb2	0.03	0.02	-0.97	9.06E-01	no
Daam2	0.11	0.14	0.28	9.06E-01	no
Sall2	0.80	0.91	0.18	9.06E-01	no
Rogdi	5.81	6.47	0.16	9.06E-01	no
Eif3h	123.07	116.37	-0.08	9.06E-01	no
Trim37	19.08	18.01	-0.08	9.06E-01	no
Prr3	14.57	13.58	-0.10	9.06E-01	no
1300014106Rik	0.10	0.06	-0.72	9.06E-01	no
Mtap1a	0.38	0.18	-1.08	9.06E-01	no
Slc16a12	0.02	0.03	0.90	9.06E-01	no
Syn3	0.62	0.77	0.32	9.06E-01	no
Acaa1a	16.09	17.36	0.11	9.06E-01	no

Zdhhc6	20.43	19.09	-0.10	9.06E-01	no
Atp8b4	1.79	1.60	-0.17	9.06E-01	no
Ccdc42b	0.63	0.50	-0.33	9.06E-01	no
Fcna	0.43	0.34	-0.34	9.06E-01	no
Plb1	0.21	0.12	-0.82	9.06E-01	no
4922501C03Ri	6.10	6.56	0.11	9.07E-01	no
Rbfa	16.84	18.23	0.11	9.07E-01	no
Wrap53	12.21	11.24	-0.12	9.07E-01	no
2610204G22Ri	1.30	1.55	0.26	9.07E-01	no
Pex11c	2.87	3.28	0.19	9.07E-01	no
Ulk3	9.80	10.58	0.11	9.07E-01	no
Dexi	7.38	6.65	-0.15	9.07E-01	no
Adam4	0.63	0.53	-0.26	9.07E-01	no
Dnajb9	10.16	11.14	0.13	9.07E-01	no
Pdgfb	0.04	0.06	0.72	9.07E-01	no
Orm2	0.33	0.46	0.46	9.07E-01	no
D4Wsu53e	83.67	88.50	0.08	9.07E-01	no
Gm5918	4.37	3.83	-0.19	9.07E-01	no
4932412H11Ri	0.12	0.16	0.42	9.07E-01	no
Bsnd	0.12	0.16	0.37	9.07E-01	no
Gm13154	0.29	0.35	0.28	9.07E-01	no
Eya2	3.04	3.42	0.17	9.07E-01	no
Tmem120a	6.03	6.73	0.16	9.07E-01	no
Klhl18	6.06	6.54	0.11	9.07E-01	no
Frs2	12.71	13.52	0.09	9.07E-01	no
Gpd1l	56.77	59.98	0.08	9.07E-01	no
Pomt2	5.41	5.00	-0.12	9.07E-01	no
Tnfrsf21	7.35	6.78	-0.12	9.07E-01	no
9430038I01Rik	3.42	3.01	-0.18	9.07E-01	no
Ocel1	7.90	8.67	0.13	9.07E-01	no
Map3k4	17.17	18.18	0.08	9.07E-01	no
Eri3	20.14	18.70	-0.11	9.07E-01	no
Arv1	6.76	7.52	0.15	9.08E-01	no
Sdk1	0.22	0.25	0.21	9.08E-01	no
Sh3glb1	26.01	24.53	-0.08	9.08E-01	no
Zfp655	18.15	19.21	0.08	9.08E-01	no
Sel1l	17.97	18.89	0.07	9.08E-01	no
Sdad1	18.13	17.11	-0.08	9.08E-01	no
Mobkl1a	11.76	10.89	-0.11	9.08E-01	no
Slc18a2	2.05	1.83	-0.17	9.08E-01	no
Rnf146	18.07	19.04	0.08	9.08E-01	no
Nars2	3.81	4.19	0.14	9.08E-01	no

Rufy2	11.71	12.41	0.08	9.08E-01	no
Nadk	26.29	24.87	-0.08	9.08E-01	no
Bnip1	13.33	12.16	-0.13	9.08E-01	no
Batf2	0.12	0.07	-0.71	9.08E-01	no
Scn1a	0.01	0.00	-1.37	9.09E-01	no
Grk5	1.22	1.38	0.18	9.09E-01	no
Maea	40.49	38.21	-0.08	9.09E-01	no
Zfp251	9.04	8.39	-0.11	9.09E-01	no
Arl15	5.91	5.40	-0.13	9.09E-01	no
Ebag9	10.57	9.63	-0.13	9.09E-01	no
Spaca5	0.23	0.12	-0.96	9.09E-01	no
Wnk4	0.35	0.41	0.22	9.09E-01	no
Chid1	3.84	4.20	0.13	9.09E-01	no
Kat2a	25.71	24.37	-0.08	9.09E-01	no
Olr1	0.06	0.03	-0.72	9.09E-01	no
Synpo2l	0.09	0.11	0.36	9.10E-01	no
Ubr2	25.69	24.60	-0.06	9.10E-01	no
Sbds	24.38	22.71	-0.10	9.10E-01	no
Noxo1	1.57	1.78	0.18	9.10E-01	no
Ctsw	0.28	0.36	0.37	9.10E-01	no
Srp14	50.55	54.08	0.10	9.10E-01	no
Adam12	0.02	0.01	-0.79	9.10E-01	no
Atxn10	31.23	33.13	0.09	9.10E-01	no
Gal3st4	0.98	0.85	-0.20	9.10E-01	no
Pdcd10	17.64	16.31	-0.11	9.10E-01	no
Dock1	0.28	0.33	0.22	9.10E-01	no
Arhgap29	0.33	0.28	-0.23	9.10E-01	no
Necap2	31.50	29.65	-0.09	9.10E-01	no
D11Wsu99e	16.51	15.42	-0.10	9.10E-01	no
Col10a1	0.03	0.05	0.82	9.11E-01	no
Aggf1	22.74	21.44	-0.08	9.11E-01	no
Riok2	11.45	10.65	-0.10	9.11E-01	no
Sugt1	16.79	15.57	-0.11	9.11E-01	no
Gstm5	0.61	0.75	0.30	9.11E-01	no
2010107G23Ri	0.05	0.09	0.91	9.11E-01	no
Cdc42ep2	0.29	0.37	0.35	9.11E-01	no
Dnajc4	7.07	7.91	0.16	9.11E-01	no
Ift88	2.95	3.27	0.15	9.11E-01	no
Rab2b	9.96	10.76	0.11	9.11E-01	no
Srpr	26.49	24.98	-0.08	9.11E-01	no
Tmem189	18.89	17.58	-0.10	9.11E-01	no
Cdkal1	7.45	6.82	-0.13	9.11E-01	no

Ndufb4	21.31	19.23	-0.15	9.11E-01	no
Gpr21	0.50	0.42	-0.26	9.11E-01	no
Slc9a3r2	0.37	0.29	-0.33	9.11E-01	no
Fam18b	12.90	14.04	0.12	9.11E-01	no
Wdr60	3.14	2.85	-0.14	9.11E-01	no
Erc6	8.12	8.62	0.09	9.11E-01	no
Fam73b	5.48	5.94	0.12	9.12E-01	no
Stat6	26.38	27.89	0.08	9.12E-01	no
Kcnj16	0.05	0.03	-0.72	9.12E-01	no
Rexo4	27.05	25.48	-0.09	9.12E-01	no
Zfp46	6.36	6.85	0.11	9.12E-01	no
Zfp113	6.80	7.28	0.10	9.12E-01	no
Tbc1d5	10.40	11.06	0.09	9.12E-01	no
Arhgap4	40.49	42.32	0.06	9.12E-01	no
ORF61	35.88	33.87	-0.08	9.12E-01	no
Naa38	35.93	33.23	-0.11	9.12E-01	no
5730455O13Ri	11.83	10.82	-0.13	9.12E-01	no
Prdx6-ps1	0.91	0.79	-0.20	9.12E-01	no
Gulp1	0.05	0.02	-0.91	9.12E-01	no
Amhr2	0.05	0.09	0.70	9.12E-01	no
Rps19-ps3	17.61	15.82	-0.15	9.12E-01	no
Snpc4	11.49	12.19	0.08	9.12E-01	no
C030006K11Ri	7.57	8.26	0.13	9.12E-01	no
1500015O10Ri	0.10	0.17	0.81	9.12E-01	no
Khl5	11.73	12.55	0.10	9.12E-01	no
Zfp110	16.90	15.89	-0.09	9.12E-01	no
Apool	15.51	14.11	-0.14	9.12E-01	no
Siglec5	0.27	0.22	-0.30	9.12E-01	no
Fam164c	0.11	0.14	0.30	9.12E-01	no
Nmnat1	3.61	4.08	0.18	9.12E-01	no
Tgm1	0.08	0.06	-0.53	9.12E-01	no
Loxl3	0.91	1.71	0.91	9.12E-01	no
Dkk3	0.79	0.91	0.21	9.13E-01	no
Slc2a13	0.02	0.03	0.62	9.13E-01	no
Tmem149	11.43	10.42	-0.13	9.13E-01	no
Rad9	32.93	31.02	-0.09	9.13E-01	no
Zfp90	5.64	6.17	0.13	9.13E-01	no
Hbxip	23.43	25.43	0.12	9.13E-01	no
Ppard	8.23	8.86	0.11	9.13E-01	no
Pspc1	24.39	22.93	-0.09	9.13E-01	no
Mapkapk5	14.93	13.92	-0.10	9.13E-01	no
Siah1a	12.61	11.62	-0.12	9.13E-01	no

Trp53rk	3.11	2.83	-0.13	9.13E-01	no
Mlh1	14.04	13.09	-0.10	9.13E-01	no
Gatm	1.99	1.76	-0.18	9.13E-01	no
Pcbd1	0.34	0.46	0.44	9.14E-01	no
Gm12581	0.06	0.10	0.64	9.14E-01	no
Hddc2	11.81	13.05	0.14	9.14E-01	no
Cnih4	6.54	7.11	0.12	9.14E-01	no
Bin3	16.54	17.79	0.10	9.14E-01	no
Akap8	40.98	38.85	-0.08	9.14E-01	no
Naa35	16.51	15.43	-0.10	9.14E-01	no
Tex261	28.55	26.69	-0.10	9.14E-01	no
Slc25a27	2.95	3.28	0.15	9.14E-01	no
Zfp212	16.51	15.52	-0.09	9.14E-01	no
Clk4	31.59	29.70	-0.09	9.14E-01	no
D17Wsu104e	22.62	20.87	-0.12	9.14E-01	no
Sema4g	0.20	0.17	-0.28	9.14E-01	no
Acsl5	33.56	31.77	-0.08	9.14E-01	no
Acot11	1.89	2.08	0.14	9.14E-01	no
Dnajc27	7.58	8.12	0.10	9.14E-01	no
Fcf1	27.38	25.16	-0.12	9.14E-01	no
Msi1	0.05	0.09	0.85	9.14E-01	no
lqch	0.03	0.05	0.68	9.14E-01	no
Shisa2	0.39	0.46	0.22	9.14E-01	no
3830408C21Ri	1.04	1.20	0.21	9.14E-01	no
Tob1	6.44	7.05	0.13	9.14E-01	no
A930005H10R	17.19	18.69	0.12	9.14E-01	no
Fam50a	17.26	18.59	0.11	9.14E-01	no
Ptdss1	13.95	14.87	0.09	9.14E-01	no
Papd4	25.99	27.71	0.09	9.14E-01	no
Fam40a	17.91	19.00	0.09	9.14E-01	no
Irgq	14.53	15.36	0.08	9.14E-01	no
Lcp1	92.20	87.47	-0.08	9.14E-01	no
Lats1	14.49	13.70	-0.08	9.14E-01	no
Tmem30a	29.98	28.35	-0.08	9.14E-01	no
Sumo3	37.36	35.32	-0.08	9.14E-01	no
St3gal1	10.65	10.02	-0.09	9.14E-01	no
Snx9	17.34	16.20	-0.10	9.14E-01	no
Fundc1	19.81	18.43	-0.10	9.14E-01	no
5730437N04Ri	28.50	26.43	-0.11	9.14E-01	no
2900064A13Ri	21.36	19.70	-0.12	9.14E-01	no
Bola1	10.43	9.40	-0.15	9.14E-01	no
Gm14137	1.50	1.34	-0.17	9.14E-01	no

Gm239	0.06	0.04	-0.60	9.14E-01	no
Fbxl21	0.12	0.08	-0.61	9.14E-01	no
Bcl2a1d	0.22	0.13	-0.77	9.14E-01	no
Lhfp1	0.30	0.38	0.31	9.15E-01	no
Nlrp12	0.08	0.10	0.35	9.15E-01	no
Fgd2	4.11	3.73	-0.14	9.15E-01	no
Ccnl2	42.13	39.90	-0.08	9.15E-01	no
Ankrd11	37.02	35.09	-0.08	9.15E-01	no
9330175E14Ri	2.80	2.48	-0.17	9.15E-01	no
Lrch4-sap25	36.65	34.73	-0.08	9.15E-01	no
Itgad	0.18	0.15	-0.28	9.15E-01	no
Cux2	0.01	0.02	0.93	9.16E-01	no
Pate4	0.09	0.17	0.92	9.16E-01	no
Zfp941	0.08	0.11	0.39	9.16E-01	no
Fgfbp3	0.77	0.90	0.23	9.16E-01	no
Cbx8	5.34	5.89	0.14	9.16E-01	no
Kdelc1	6.82	7.45	0.13	9.16E-01	no
Ttc21b	5.60	6.04	0.11	9.16E-01	no
Scarb2	12.82	13.79	0.11	9.16E-01	no
Phkg2	26.20	27.93	0.09	9.16E-01	no
Ccdc9	20.09	21.31	0.08	9.16E-01	no
Csnk1g1	10.21	10.82	0.08	9.16E-01	no
Pogk	7.98	8.45	0.08	9.16E-01	no
Dgcr2	33.37	31.87	-0.07	9.16E-01	no
Msr2	4.77	4.27	-0.16	9.16E-01	no
Hmga2	0.43	0.37	-0.24	9.16E-01	no
Chrm3	0.04	0.02	-0.92	9.16E-01	no
Cdh17	0.29	0.34	0.23	9.16E-01	no
Ctsf	0.09	0.12	0.52	9.16E-01	no
Camsap1	5.18	5.52	0.09	9.16E-01	no
Lmbrd1	6.58	6.12	-0.10	9.16E-01	no
Tmem208	21.95	20.12	-0.13	9.16E-01	no
1700049G17Ri	2.72	2.47	-0.14	9.16E-01	no
Zfp688	9.08	8.23	-0.14	9.16E-01	no
Tomm40l	11.10	10.35	-0.10	9.16E-01	no
Mcpt8	0.25	0.35	0.49	9.16E-01	no
Gm8300	0.05	0.01	-2.33	9.16E-01	no
Kdm4d	0.04	0.07	0.67	9.16E-01	no
Mea1	20.67	22.37	0.11	9.16E-01	no
Nudt19	15.47	16.62	0.10	9.16E-01	no
Arf5	42.00	44.75	0.09	9.16E-01	no
Zc3h3	12.68	13.50	0.09	9.16E-01	no

Rab21	31.55	33.51	0.09	9.16E-01	no
Fam134a	31.39	33.16	0.08	9.16E-01	no
2900097C17Ri	57.94	55.05	-0.07	9.16E-01	no
Gm1821	198.45	188.40	-0.08	9.16E-01	no
Prkdc	10.26	9.73	-0.08	9.16E-01	no
Spata2	15.99	15.08	-0.08	9.16E-01	no
Eif3m	49.40	46.54	-0.09	9.16E-01	no
Vrk3	25.48	23.94	-0.09	9.16E-01	no
Nudt16l1	31.85	29.82	-0.10	9.16E-01	no
Fam108c	17.99	16.80	-0.10	9.16E-01	no
Prorsd1	7.20	6.59	-0.13	9.16E-01	no
Klra7	0.17	0.11	-0.69	9.16E-01	no
Gm2022	0.05	0.01	-2.33	9.16E-01	no
Cgn	0.02	0.04	0.56	9.16E-01	no
Ifitm1	1.29	1.54	0.26	9.16E-01	no
Nmb	2.14	2.46	0.20	9.16E-01	no
Tmco3	2.71	2.97	0.13	9.16E-01	no
Ppip5k1	7.88	8.39	0.09	9.16E-01	no
Tmub2	20.95	22.29	0.09	9.16E-01	no
Lztr1	14.26	15.17	0.09	9.16E-01	no
Klhl25	11.39	12.09	0.09	9.16E-01	no
BC006779	22.42	23.62	0.07	9.16E-01	no
Pdzd8	25.05	23.78	-0.07	9.16E-01	no
Csnk1a1	68.16	64.67	-0.08	9.16E-01	no
Thumpd1	28.52	26.96	-0.08	9.16E-01	no
Gpx1	77.44	73.15	-0.08	9.16E-01	no
Clpx	15.49	14.56	-0.09	9.16E-01	no
Aifm1	21.87	20.54	-0.09	9.16E-01	no
Tyw1	11.53	10.80	-0.10	9.16E-01	no
Supt7l	11.83	11.02	-0.10	9.16E-01	no
Ovca2	11.05	10.26	-0.11	9.16E-01	no
Dcaf6	5.99	5.51	-0.12	9.16E-01	no
L1cam	0.45	0.40	-0.19	9.16E-01	no
Ttll13	0.14	0.11	-0.34	9.16E-01	no
Cct6b	0.12	0.08	-0.53	9.16E-01	no
Ect2l	0.04	0.03	-0.74	9.16E-01	no
Fa2h	0.05	0.03	-0.90	9.16E-01	no
Gm5662	0.05	0.01	-2.31	9.16E-01	no
Vps35	40.74	42.94	0.08	9.16E-01	no
E230029C05Ri	0.09	0.06	-0.55	9.17E-01	no
Gm2016	0.05	0.01	-2.30	9.17E-01	no
Lypla1	31.76	33.65	0.08	9.17E-01	no

Vps13a	16.71	15.87	-0.07	9.17E-01	no
Brd9	23.16	21.84	-0.08	9.17E-01	no
Fam199x	4.22	4.53	0.10	9.18E-01	no
Rpl37a	63.11	59.04	-0.10	9.18E-01	no
Vkorc1	8.00	7.16	-0.16	9.18E-01	no
Tnfsf11	0.76	0.65	-0.22	9.18E-01	no
5730522E02Ri	0.16	0.11	-0.58	9.18E-01	no
Sdr39u1	24.38	26.11	0.10	9.18E-01	no
Bpil2	0.07	0.10	0.52	9.18E-01	no
Slc35d2	0.90	1.05	0.21	9.18E-01	no
Socs6	9.82	10.53	0.10	9.18E-01	no
Uqcr10	51.30	47.54	-0.11	9.18E-01	no
Ccdc103	0.10	0.06	-0.68	9.18E-01	no
Cmtm2a	0.22	0.31	0.46	9.18E-01	no
Sccpdh	4.78	4.32	-0.15	9.18E-01	no
Rpl19	67.53	63.82	-0.08	9.18E-01	no
Bcl2a1a	0.19	0.11	-0.84	9.18E-01	no
4930417G10Ri	0.16	0.13	-0.35	9.18E-01	no
Cldn19	0.03	0.05	0.58	9.18E-01	no
Fbxl14	32.04	30.43	-0.07	9.18E-01	no
Pi4kb	20.14	19.05	-0.08	9.18E-01	no
Tatdn1	3.31	2.95	-0.17	9.18E-01	no
Vwa5b2	0.03	0.02	-0.66	9.18E-01	no
Pira4	0.08	0.03	-1.62	9.18E-01	no
Gas2l1	0.45	0.58	0.35	9.18E-01	no
Kdr	0.27	0.31	0.21	9.18E-01	no
Hps6	4.58	5.00	0.13	9.18E-01	no
Akap10	14.14	13.31	-0.09	9.18E-01	no
Eral1	12.00	11.13	-0.11	9.18E-01	no
LOC100302626	0.68	0.57	-0.25	9.18E-01	no
Fam78b	0.13	0.11	-0.30	9.18E-01	no
Galnt9	0.11	0.07	-0.59	9.19E-01	no
Tnfaip2	0.50	0.57	0.20	9.19E-01	no
2610028E06Ri	0.17	0.21	0.28	9.19E-01	no
Slc26a6	1.41	1.57	0.16	9.19E-01	no
Mamdc2	0.28	0.23	-0.27	9.19E-01	no
Fscn1	0.03	0.05	0.89	9.19E-01	no
Fbxl18	4.04	4.42	0.13	9.19E-01	no
Trmt6	18.11	17.04	-0.09	9.19E-01	no
Rabl2	5.56	5.05	-0.14	9.19E-01	no
Fdx1l	13.97	12.78	-0.13	9.20E-01	no
Zfp259	14.04	13.20	-0.09	9.20E-01	no

Fbxo2	0.06	0.10	0.81	9.20E-01	no
Slc17a5	3.88	4.25	0.13	9.20E-01	no
Sft2d3	6.79	6.25	-0.12	9.20E-01	no
Gm16523	0.29	0.24	-0.23	9.20E-01	no
BC005624	24.46	22.89	-0.10	9.20E-01	no
Ctse	8.17	7.53	-0.12	9.20E-01	no
Fam82a1	1.29	1.47	0.19	9.20E-01	no
Srp54a	28.82	27.60	-0.06	9.20E-01	no
Wrn	17.97	17.10	-0.07	9.20E-01	no
Fkbpl	2.97	2.64	-0.17	9.20E-01	no
Zfp120	7.81	8.36	0.10	9.20E-01	no
Tmem181b-ps	13.57	12.80	-0.08	9.20E-01	no
Slc10a5	0.04	0.02	-0.90	9.20E-01	no
Emid1	18.38	19.58	0.09	9.20E-01	no
Nhlh1	0.03	0.06	0.89	9.20E-01	no
Ttc26	2.04	1.84	-0.15	9.20E-01	no
Klc3	1.06	3.52	1.73	9.20E-01	no
Nupl2	4.10	4.48	0.13	9.20E-01	no
Tuft1	2.06	2.29	0.15	9.21E-01	no
Zfp358	12.28	13.18	0.10	9.21E-01	no
Gm16287	0.07	0.05	-0.66	9.21E-01	no
4930548H24Ri	0.08	0.04	-0.89	9.21E-01	no
1700020L24Ril	0.49	0.59	0.29	9.21E-01	no
Zfyve20	8.65	8.13	-0.09	9.21E-01	no
Cib1	26.06	28.04	0.11	9.21E-01	no
Cramp1l	17.18	16.33	-0.07	9.21E-01	no
Rbbp6	39.95	38.24	-0.06	9.21E-01	no
Nln	7.61	7.08	-0.10	9.21E-01	no
Ube2q1	27.91	29.40	0.08	9.21E-01	no
Sbf1	29.63	30.90	0.06	9.21E-01	no
Eps15l1	30.59	29.29	-0.06	9.21E-01	no
Wbp7	25.84	24.59	-0.07	9.21E-01	no
Helz	18.36	17.45	-0.07	9.21E-01	no
Adprh	37.74	35.67	-0.08	9.21E-01	no
Tlr3	0.06	0.04	-0.59	9.21E-01	no
Acap2	21.02	22.12	0.07	9.21E-01	no
Nsd1	29.30	27.86	-0.07	9.21E-01	no
Bola2	31.51	28.75	-0.13	9.21E-01	no
Tmem150c	0.03	0.05	0.88	9.21E-01	no
C330007P06Ri	37.19	39.16	0.07	9.21E-01	no
Cyp11a1	0.04	0.08	0.88	9.21E-01	no
Alox5	0.11	0.14	0.36	9.21E-01	no

Adam6a	0.22	0.27	0.29	9.21E-01	no
Poln	0.72	0.82	0.19	9.21E-01	no
Morn2	6.73	7.51	0.16	9.21E-01	no
Tmem91	7.76	8.61	0.15	9.21E-01	no
2410075B13Ri	3.20	3.54	0.14	9.21E-01	no
1500012F01Ri	21.24	23.00	0.11	9.21E-01	no
Nelf	6.10	6.54	0.10	9.21E-01	no
Spred2	12.36	13.20	0.09	9.21E-01	no
Dynlt3	21.79	23.18	0.09	9.21E-01	no
Unk	23.12	24.35	0.08	9.21E-01	no
Ubxn8	6.17	5.69	-0.12	9.21E-01	no
Tgds	7.86	7.24	-0.12	9.21E-01	no
Gm10825	0.49	0.43	-0.20	9.21E-01	no
Xlr3b	1.30	1.13	-0.20	9.21E-01	no
Cd200	0.62	0.53	-0.23	9.21E-01	no
Kcnc1	0.03	0.01	-1.17	9.21E-01	no
Pilrb2	0.07	0.10	0.59	9.21E-01	no
Ccdc74a	0.70	0.82	0.22	9.21E-01	no
Fhod1	14.21	13.42	-0.08	9.21E-01	no
Dnajc5	41.54	39.52	-0.07	9.21E-01	no
Naf1	10.53	11.27	0.10	9.21E-01	no
Fam110a	25.31	26.80	0.08	9.21E-01	no
Txndc17	15.53	14.37	-0.11	9.21E-01	no
2900062L11Ril	1.20	1.04	-0.20	9.21E-01	no
Pldn	14.10	13.27	-0.09	9.22E-01	no
Slfn2	11.45	10.58	-0.11	9.22E-01	no
Klhdc9	2.42	2.16	-0.16	9.22E-01	no
Dennd2a	0.04	0.06	0.46	9.22E-01	no
Fndc8	0.04	0.07	0.87	9.22E-01	no
Slc27a4	5.16	5.56	0.11	9.22E-01	no
Chd4	66.84	63.55	-0.07	9.22E-01	no
Srp72	32.22	30.63	-0.07	9.22E-01	no
Nmt2	11.15	10.33	-0.11	9.22E-01	no
Fancf	6.89	6.30	-0.13	9.22E-01	no
1190007I07Rik	13.40	12.22	-0.13	9.22E-01	no
Slc39a7	35.70	34.04	-0.07	9.22E-01	no
Ggta1	19.76	18.77	-0.07	9.22E-01	no
Rrp7a	23.43	22.10	-0.08	9.22E-01	no
Snai1	0.16	0.12	-0.48	9.22E-01	no
Zbtb2	15.93	16.88	0.08	9.22E-01	no
B4galt2	0.24	0.19	-0.29	9.22E-01	no
Smyd2	10.52	9.72	-0.11	9.22E-01	no

Slc9a8	15.61	14.83	-0.07	9.23E-01	no
Usp36	10.77	10.20	-0.08	9.23E-01	no
Thrsp	0.07	0.11	0.76	9.23E-01	no
Etfdh	16.37	17.42	0.09	9.23E-01	no
7-Mar	27.73	26.27	-0.08	9.23E-01	no
Klhl28	11.22	10.46	-0.10	9.23E-01	no
Casc1	0.69	0.60	-0.19	9.23E-01	no
Lhfp12	0.07	0.05	-0.45	9.23E-01	no
Nt5m	9.52	8.74	-0.12	9.23E-01	no
2810432L12Ril	0.03	0.05	0.82	9.23E-01	no
2610008E11Ri	10.11	9.49	-0.09	9.23E-01	no
Pop5	17.13	15.82	-0.12	9.23E-01	no
Cd3d	0.06	0.11	0.86	9.23E-01	no
Ankrd53	0.36	0.43	0.26	9.23E-01	no
Ldlr	4.50	4.16	-0.11	9.23E-01	no
2310061J03Ril	3.18	3.54	0.15	9.24E-01	no
Xpnpep2	0.02	0.04	0.86	9.24E-01	no
Fads1	19.86	18.80	-0.08	9.24E-01	no
Abhd5	0.63	0.55	-0.20	9.24E-01	no
Zfp746	14.92	15.77	0.08	9.24E-01	no
Tmem177	4.26	3.91	-0.12	9.25E-01	no
Nudt6	5.99	6.60	0.14	9.25E-01	no
Trappc2l	19.35	21.07	0.12	9.25E-01	no
Creb3	7.64	8.31	0.12	9.25E-01	no
Rbm42	34.13	32.31	-0.08	9.25E-01	no
Uck1	29.22	27.65	-0.08	9.25E-01	no
Eif1a	20.00	18.87	-0.08	9.25E-01	no
Omg	0.11	0.07	-0.57	9.25E-01	no
Zmynd12	0.11	0.07	-0.64	9.25E-01	no
Gm949	0.03	0.05	1.02	9.25E-01	no
Agxt2l2	6.54	7.12	0.12	9.25E-01	no
Sars	34.02	35.90	0.08	9.25E-01	no
Scyl1	18.03	17.04	-0.08	9.25E-01	no
Tfb2m	14.74	13.80	-0.10	9.25E-01	no
Klrb1c	2.81	2.52	-0.16	9.25E-01	no
Apobec4	0.23	0.18	-0.38	9.25E-01	no
1700102P08Ri	1.04	0.89	-0.22	9.25E-01	no
Abi3	9.43	10.01	0.09	9.25E-01	no
Hist1h4f	0.24	0.44	0.84	9.25E-01	no
Ii5	0.06	0.10	0.85	9.25E-01	no
4933433P14Ri	8.33	8.96	0.11	9.25E-01	no
Tmco4	11.96	11.25	-0.09	9.25E-01	no

Pvt1	0.86	0.76	-0.18	9.25E-01	no
1700003M02R	0.05	0.09	0.73	9.25E-01	no
Nlgn3	0.16	0.13	-0.28	9.25E-01	no
Gm1141	0.08	0.05	-0.64	9.25E-01	no
Cdk10	10.62	11.43	0.11	9.25E-01	no
Psen1	23.10	21.90	-0.08	9.25E-01	no
Pde6g	0.17	0.11	-0.64	9.25E-01	no
Gp1ba	0.28	0.34	0.24	9.25E-01	no
Zhx1	22.20	21.22	-0.06	9.25E-01	no
Gtf3c3	11.47	10.74	-0.09	9.25E-01	no
Timm13	23.61	22.11	-0.09	9.25E-01	no
Capn10	6.63	6.15	-0.11	9.25E-01	no
Dnali1	0.03	0.02	-1.19	9.25E-01	no
Fam115c	0.02	0.03	0.85	9.26E-01	no
B4galnt1	12.85	13.66	0.09	9.26E-01	no
4930469G21Ri	0.09	0.04	-1.16	9.26E-01	no
Baz2b	19.38	20.35	0.07	9.26E-01	no
Fam165b	21.74	19.92	-0.13	9.26E-01	no
Sumo1	98.05	93.28	-0.07	9.26E-01	no
Gm16515	13.68	12.95	-0.08	9.26E-01	no
Cplx1	0.04	0.06	0.85	9.26E-01	no
Ccdc116	0.91	1.02	0.16	9.26E-01	no
Rasa1	16.70	15.85	-0.08	9.26E-01	no
Dph5	8.00	7.34	-0.12	9.26E-01	no
Cd14	0.05	0.09	0.84	9.26E-01	no
Nmbr	0.07	0.13	0.81	9.26E-01	no
Sema3f	0.08	0.10	0.38	9.26E-01	no
Fsd1l	0.17	0.21	0.26	9.26E-01	no
Snx14	3.67	4.01	0.13	9.26E-01	no
Fam174a	6.46	7.03	0.12	9.26E-01	no
Cno	9.75	10.59	0.12	9.26E-01	no
Ncoa7	8.09	8.61	0.09	9.26E-01	no
1600012H06Ri	14.17	15.07	0.09	9.26E-01	no
Gne	14.96	14.16	-0.08	9.26E-01	no
Prdx5	35.44	33.09	-0.10	9.26E-01	no
Hist2h2aa1,His	5.08	4.62	-0.14	9.26E-01	no
1700037C18Ri	3.65	4.05	0.15	9.26E-01	no
Med11	16.23	14.98	-0.12	9.27E-01	no
H60b	1.36	1.56	0.20	9.27E-01	no
Slc38a2	63.10	66.16	0.07	9.27E-01	no
Plscr3	45.83	47.68	0.06	9.27E-01	no
Stx16	47.23	45.61	-0.05	9.27E-01	no

Egln2	31.99	30.37	-0.07	9.27E-01	no
Nprl2	11.82	10.94	-0.11	9.27E-01	no
Spic	0.10	0.05	-0.85	9.27E-01	no
Slc6a19	0.19	0.23	0.30	9.27E-01	no
Commd4	30.32	32.42	0.10	9.27E-01	no
Ppp2ca	73.77	70.34	-0.07	9.27E-01	no
Uso1	21.79	20.71	-0.07	9.27E-01	no
Zfp787	13.72	12.83	-0.10	9.27E-01	no
Rps13	27.85	25.71	-0.12	9.27E-01	no
Tmed3	10.56	9.73	-0.12	9.27E-01	no
Abca9	0.14	0.12	-0.23	9.27E-01	no
Klrb1b	0.17	0.13	-0.40	9.27E-01	no
Gje1	0.09	0.05	-0.80	9.27E-01	no
Btbd17	0.04	0.06	0.76	9.27E-01	no
Cadm3	0.02	0.04	0.72	9.27E-01	no
Gypc	16.26	15.28	-0.09	9.27E-01	no
Hist1h3c	1.20	1.43	0.25	9.28E-01	no
Pacs1	10.00	10.58	0.08	9.28E-01	no
Ndufb10	46.17	43.33	-0.09	9.28E-01	no
Mapksp1	27.18	25.49	-0.09	9.28E-01	no
Dynlt1e	5.29	4.85	-0.13	9.28E-01	no
Jsrp1	0.05	0.09	0.73	9.28E-01	no
Hoxa2	0.07	0.11	0.57	9.28E-01	no
Tssk2	0.09	0.13	0.52	9.28E-01	no
4833422C13Ri	0.14	0.19	0.42	9.28E-01	no
Oxtr	0.05	0.06	0.40	9.28E-01	no
AA543186	0.56	0.65	0.21	9.28E-01	no
Qsox2	3.94	4.31	0.13	9.28E-01	no
Tm2d3	11.31	12.32	0.12	9.28E-01	no
Uros	7.23	7.84	0.12	9.28E-01	no
2810422J05RiI	20.13	21.49	0.09	9.28E-01	no
Zdhhc17	9.59	10.18	0.09	9.28E-01	no
2610018G03Ri	23.25	24.65	0.08	9.28E-01	no
Cog5	14.75	15.63	0.08	9.28E-01	no
Znrf2	17.43	18.48	0.08	9.28E-01	no
Ddx3x	82.88	79.07	-0.07	9.28E-01	no
Hipk1	48.77	46.52	-0.07	9.28E-01	no
Magt1	26.34	25.05	-0.07	9.28E-01	no
Orc4	16.16	15.32	-0.08	9.28E-01	no
Zdhhc7	20.58	19.50	-0.08	9.28E-01	no
Cand2	7.42	7.00	-0.08	9.28E-01	no
Nup54	15.72	14.78	-0.09	9.28E-01	no

Ccdc104	14.22	13.23	-0.10	9.28E-01	no
Fdft1	7.68	7.15	-0.10	9.28E-01	no
Mrps16	36.33	33.74	-0.11	9.28E-01	no
2810008D09Ri	15.57	14.25	-0.13	9.28E-01	no
Gm3604	3.06	2.78	-0.14	9.28E-01	no
Ubxn11	3.85	3.49	-0.14	9.28E-01	no
1810010D01Ri	0.25	0.18	-0.45	9.28E-01	no
Slc24a5	5.82	3.22	-0.85	9.28E-01	no
Cntd1	4.74	2.55	-0.90	9.28E-01	no
Itpr2	13.76	14.37	0.06	9.28E-01	no
Lyz2	34.64	36.78	0.09	9.28E-01	no
Sox4	54.90	57.51	0.07	9.28E-01	no
Efha1	23.81	22.54	-0.08	9.28E-01	no
9330129D05Ri	1.93	2.14	0.15	9.28E-01	no
Meg3	0.03	0.06	0.82	9.28E-01	no
Ttc33	19.20	20.42	0.09	9.28E-01	no
Tnks2	36.77	38.51	0.07	9.28E-01	no
Brd2	57.09	55.07	-0.05	9.28E-01	no
Coq3	2.68	2.43	-0.14	9.28E-01	no
Galr3	0.07	0.03	-1.18	9.28E-01	no
Atp5j	40.00	42.55	0.09	9.29E-01	no
Daxx	26.05	27.29	0.07	9.29E-01	no
Rab38	0.09	0.05	-0.84	9.29E-01	no
Abhd16a	13.72	14.63	0.09	9.29E-01	no
Catsper3	0.10	0.06	-0.83	9.29E-01	no
4933411K20Ri	13.20	13.93	0.08	9.29E-01	no
Srebf1	23.61	24.78	0.07	9.30E-01	no
Zfp612	0.11	0.13	0.27	9.30E-01	no
Ripk4	0.03	0.02	-0.83	9.30E-01	no
Adam21	0.03	0.06	0.82	9.30E-01	no
Mogat2	0.05	0.08	0.74	9.30E-01	no
Hsd11b2	0.07	0.10	0.56	9.30E-01	no
Ebf4	0.05	0.08	0.50	9.30E-01	no
Apln	0.11	0.14	0.34	9.30E-01	no
Zfp524	7.76	8.47	0.13	9.30E-01	no
Heatr2	14.70	15.51	0.08	9.30E-01	no
Sik3	13.73	14.42	0.07	9.30E-01	no
Usp8	24.54	23.39	-0.07	9.30E-01	no
Txndc9	11.28	10.67	-0.08	9.30E-01	no
Tnks1bp1	5.99	5.65	-0.08	9.30E-01	no
Mier2	10.81	10.14	-0.09	9.30E-01	no
Yod1	6.88	6.40	-0.10	9.30E-01	no

Odf2l	10.13	9.51	-0.09	9.30E-01	no
Car15	2.03	2.28	0.17	9.30E-01	no
Eml3	21.21	20.16	-0.07	9.30E-01	no
Exoc3	13.83	14.56	0.07	9.31E-01	no
Spsb3	27.56	28.91	0.07	9.31E-01	no
Vmn2r87	0.02	0.05	0.99	9.31E-01	no
Acy1	5.90	6.44	0.13	9.31E-01	no
Ccdc94	9.31	10.05	0.11	9.31E-01	no
Ero1l	9.68	10.33	0.09	9.31E-01	no
Gpank1	16.20	15.19	-0.09	9.31E-01	no
Cmtm6	29.28	27.88	-0.07	9.31E-01	no
Epas1	0.25	0.28	0.19	9.31E-01	no
Ebp	15.80	14.79	-0.10	9.32E-01	no
Mapk11	4.33	3.98	-0.12	9.32E-01	no
Bat3	44.50	42.53	-0.07	9.32E-01	no
C330019G07Ri	17.46	16.68	-0.07	9.32E-01	no
Scamp3	30.50	28.84	-0.08	9.32E-01	no
Tm2d1	6.53	7.20	0.14	9.32E-01	no
Rpl29	3.89	3.48	-0.16	9.32E-01	no
Hist1h4k	0.28	0.46	0.73	9.32E-01	no
Nr2c2ap	9.18	10.22	0.15	9.32E-01	no
Wdr44	5.20	5.58	0.10	9.32E-01	no
Gpr172b	7.95	8.52	0.10	9.32E-01	no
Mms19	20.94	19.94	-0.07	9.32E-01	no
Tarsl2	3.43	3.15	-0.12	9.32E-01	no
Al450353	5.65	5.14	-0.13	9.32E-01	no
8430429K09Ri	1.85	1.64	-0.18	9.32E-01	no
Hist1h2ae	0.83	0.98	0.24	9.32E-01	no
1700066B19Ri	0.30	0.35	0.22	9.32E-01	no
Pkdcc	0.09	0.12	0.37	9.32E-01	no
D14Ert449e	19.13	18.26	-0.07	9.33E-01	no
4732418C07Ri	14.59	13.85	-0.08	9.33E-01	no
Muc6	0.02	0.03	0.46	9.33E-01	no
Ccdc64b	0.03	0.06	0.82	9.33E-01	no
Pigr	0.28	0.32	0.20	9.33E-01	no
Syp	0.49	0.56	0.19	9.33E-01	no
Pion	2.80	3.06	0.13	9.33E-01	no
Zfp54	4.28	4.65	0.12	9.33E-01	no
4930455F23Ri	6.78	7.33	0.11	9.33E-01	no
Dnalc4	13.56	14.52	0.10	9.33E-01	no
Tbc1d25	8.56	9.14	0.10	9.33E-01	no
Anapc16	22.38	23.80	0.09	9.33E-01	no

Tmem68	11.74	10.97	-0.10	9.33E-01	no
Zdhhc14	7.05	6.58	-0.10	9.33E-01	no
Usp46	5.59	5.18	-0.11	9.33E-01	no
Zmynd17	5.26	4.82	-0.13	9.33E-01	no
Rasd2	0.06	0.04	-0.60	9.33E-01	no
Izumo1	0.08	0.05	-0.81	9.33E-01	no
Dynlt1c,Dynlt1	0.03	0.26	3.23	9.33E-01	no
Jph4	0.02	0.03	0.72	9.33E-01	no
Soat2	0.11	0.15	0.39	9.33E-01	no
Magee1	2.01	2.21	0.13	9.33E-01	no
Usp18	5.47	5.96	0.12	9.33E-01	no
Gpatch3	5.63	6.09	0.11	9.33E-01	no
Foxo1	40.97	42.91	0.07	9.33E-01	no
Cep350	17.69	16.92	-0.06	9.33E-01	no
Agpat1	30.56	29.18	-0.07	9.33E-01	no
Map2k2	26.75	25.46	-0.07	9.33E-01	no
C030046I01Rik	36.41	34.62	-0.07	9.33E-01	no
Ranbp6	14.65	13.92	-0.07	9.33E-01	no
E4f1	13.88	13.10	-0.08	9.33E-01	no
Mrpl32	22.00	20.42	-0.11	9.33E-01	no
Ift74	4.49	4.12	-0.12	9.33E-01	no
Mkrn3	0.44	0.38	-0.22	9.33E-01	no
5730422E09Ri	0.17	0.12	-0.42	9.33E-01	no
Synm	0.02	0.02	-0.53	9.33E-01	no
Jag1	0.03	0.01	-0.79	9.33E-01	no
Tmem63c	0.04	0.02	-0.81	9.33E-01	no
Efna4	1.20	1.36	0.17	9.33E-01	no
Alpl	22.12	21.00	-0.07	9.33E-01	no
Zfp276	9.94	9.43	-0.08	9.33E-01	no
Acaa1b	5.06	5.51	0.12	9.33E-01	no
Elf1	59.07	56.49	-0.06	9.33E-01	no
Htr1b	0.08	0.13	0.72	9.33E-01	no
Arhgef4	1.18	1.31	0.15	9.33E-01	no
Taok3	18.21	19.02	0.06	9.33E-01	no
Lcn4	0.29	0.38	0.40	9.33E-01	no
Zscan2	5.99	6.46	0.11	9.34E-01	no
Plcd4	0.08	0.10	0.40	9.34E-01	no
Raph1	0.47	0.54	0.20	9.34E-01	no
Pecr	2.50	2.78	0.16	9.34E-01	no
Tbc1d23	9.04	9.60	0.09	9.34E-01	no
Slc38a9	9.03	9.48	0.07	9.34E-01	no
Midn	27.06	25.83	-0.07	9.34E-01	no

Clec7a	0.61	0.53	-0.21	9.34E-01	no
Ccdc8	0.28	0.33	0.23	9.34E-01	no
Hfm1	0.22	0.26	0.22	9.34E-01	no
Mocs3	6.60	7.15	0.11	9.34E-01	no
Sec62	18.11	19.03	0.07	9.34E-01	no
Gmip	25.56	24.41	-0.07	9.34E-01	no
Mrps21	63.35	59.40	-0.09	9.34E-01	no
Zfp472	11.05	10.34	-0.10	9.34E-01	no
Cwc22	3.22	2.96	-0.12	9.34E-01	no
Taf4b	3.40	3.66	0.10	9.34E-01	no
Myl6	73.13	69.27	-0.08	9.34E-01	no
Taco1	13.83	12.89	-0.10	9.34E-01	no
Klre1	0.16	0.09	-0.79	9.35E-01	no
4831440E17Ri	0.75	0.84	0.16	9.35E-01	no
Mbd6	36.54	38.20	0.06	9.35E-01	no
Adamts10	12.19	11.56	-0.08	9.35E-01	no
Map3k13	0.25	0.22	-0.18	9.35E-01	no
Tsc22d4	58.60	61.25	0.06	9.35E-01	no
Six5	0.23	0.26	0.23	9.35E-01	no
Dtnb	9.95	10.55	0.08	9.35E-01	no
Actl7a	0.14	0.10	-0.47	9.35E-01	no
Hist1h4j	0.75	0.55	-0.47	9.35E-01	no
Rps11	235.92	246.56	0.06	9.35E-01	no
Zfp72	2.32	2.58	0.15	9.36E-01	no
Adipor1	31.81	33.42	0.07	9.36E-01	no
Lrrc1	6.66	6.22	-0.10	9.36E-01	no
Muc2	0.01	0.02	0.70	9.36E-01	no
Ube2b	32.35	34.02	0.07	9.36E-01	no
Sdc4	57.84	55.32	-0.06	9.36E-01	no
Ganc	5.53	5.18	-0.09	9.36E-01	no
Fgfrl1	2.63	2.40	-0.13	9.36E-01	no
Apon	0.69	0.60	-0.21	9.36E-01	no
C130050O18R	0.98	2.04	1.06	9.36E-01	no
Arpc5	92.86	97.05	0.06	9.36E-01	no
Qser1	19.85	18.99	-0.06	9.36E-01	no
Rrs1	30.46	29.01	-0.07	9.36E-01	no
Stx2	8.20	7.69	-0.09	9.36E-01	no
Sstr4	0.07	0.11	0.66	9.36E-01	no
Gm4013	1.03	1.26	0.29	9.36E-01	no
Dolk	5.74	6.21	0.11	9.36E-01	no
Frmd8	25.81	24.64	-0.07	9.36E-01	no
Edc3	21.00	20.01	-0.07	9.36E-01	no

2010111I01Rik	4.78	4.44	-0.10	9.36E-01	no
1500015A07Ri	4.52	4.93	0.13	9.36E-01	no
Tmem190	0.13	0.22	0.77	9.36E-01	no
Esrp2	0.03	0.05	0.70	9.36E-01	no
Cald1	0.02	0.04	0.66	9.36E-01	no
Gnb3	0.09	0.12	0.44	9.36E-01	no
2610306M01R	2.47	2.74	0.15	9.36E-01	no
Gm7102	3.23	3.55	0.13	9.36E-01	no
Plcb3	5.70	6.06	0.09	9.36E-01	no
Arid4a	14.99	15.71	0.07	9.36E-01	no
Fam65a	44.49	46.50	0.06	9.36E-01	no
Elmo1	54.11	52.19	-0.05	9.36E-01	no
Copa	48.23	46.19	-0.06	9.36E-01	no
Rbm25	43.25	41.42	-0.06	9.36E-01	no
Gpbp1l1	34.67	33.14	-0.06	9.36E-01	no
2310036O22Ri	56.89	54.11	-0.07	9.36E-01	no
Snx6	28.93	27.46	-0.08	9.36E-01	no
Btbd2	11.31	10.67	-0.08	9.36E-01	no
Acadvl	14.39	13.57	-0.08	9.36E-01	no
Cnnm4	6.98	6.58	-0.08	9.36E-01	no
5133401N09Ri	12.60	11.76	-0.10	9.36E-01	no
Lactb2	9.12	8.47	-0.11	9.36E-01	no
Nicn1	5.04	4.65	-0.12	9.36E-01	no
Hist4h4	1.19	0.95	-0.32	9.36E-01	no
Klrg2	0.07	0.05	-0.56	9.36E-01	no
Smad9	0.02	0.01	-0.78	9.36E-01	no
AI837181	22.08	23.32	0.08	9.36E-01	no
Trim17	0.49	0.43	-0.21	9.36E-01	no
Shprh	12.78	13.34	0.06	9.37E-01	no
Trib1	4.52	4.22	-0.10	9.37E-01	no
Sos2	10.53	10.01	-0.07	9.37E-01	no
Ephx2	0.06	0.09	0.52	9.37E-01	no
Wdr20b	2.15	1.95	-0.14	9.37E-01	no
D8Ert82e	0.76	0.69	-0.14	9.37E-01	no
Spry2	7.87	8.45	0.10	9.37E-01	no
Tcfec	0.21	0.17	-0.33	9.37E-01	no
Ms4a2	0.14	0.08	-0.77	9.37E-01	no
Samd4b	16.27	15.52	-0.07	9.37E-01	no
Herc2	15.97	16.67	0.06	9.37E-01	no
Fscn2	0.07	0.04	-0.62	9.37E-01	no
Best1	0.06	0.09	0.52	9.37E-01	no
P2rx1	0.12	0.15	0.34	9.37E-01	no

Fam83e	0.08	0.11	0.31	9.37E-01	no
Bex1	1.37	1.56	0.18	9.37E-01	no
Chchd8	8.70	9.47	0.12	9.37E-01	no
Lrfn4	2.78	3.02	0.12	9.37E-01	no
2410003K15Ri	10.87	11.79	0.12	9.37E-01	no
Slc37a1	8.38	8.92	0.09	9.37E-01	no
Carkd	16.13	17.13	0.09	9.37E-01	no
Ubr3	14.26	13.69	-0.06	9.37E-01	no
Nfkb1	28.67	27.43	-0.06	9.37E-01	no
Rps9	833.40	796.06	-0.07	9.37E-01	no
Phf20	13.04	12.44	-0.07	9.37E-01	no
Wdr4	11.08	10.51	-0.08	9.37E-01	no
Wdr92	7.05	6.60	-0.09	9.37E-01	no
Zscan22	8.07	7.55	-0.10	9.37E-01	no
D130043K22Ri	0.03	0.02	-0.57	9.37E-01	no
Stau1	22.98	23.95	0.06	9.37E-01	no
Zmat4	0.03	0.05	0.52	9.37E-01	no
Zbtb49	5.24	5.62	0.10	9.37E-01	no
Atp2c1	13.05	12.42	-0.07	9.37E-01	no
Zfp607	7.73	7.25	-0.09	9.37E-01	no
Gdpd3	3.03	2.73	-0.15	9.37E-01	no
Slc7a7	6.82	7.33	0.10	9.37E-01	no
Agrp	0.40	0.30	-0.40	9.37E-01	no
Bdkrb1	0.05	0.08	0.69	9.37E-01	no
Aldh1l2	0.08	0.09	0.26	9.37E-01	no
Lmbrd2	10.93	10.28	-0.09	9.37E-01	no
9330133O14Ri	1.99	2.19	0.14	9.37E-01	no
Jrk	3.45	3.72	0.11	9.37E-01	no
Pkn2	18.23	17.43	-0.06	9.37E-01	no
Fdxr	9.95	9.31	-0.10	9.37E-01	no
Nubpl	4.39	3.99	-0.14	9.37E-01	no
Pim3	10.41	9.79	-0.09	9.37E-01	no
Mapkapk2	51.77	54.06	0.06	9.37E-01	no
Rgs11	0.07	0.10	0.49	9.37E-01	no
Gm10389	0.07	0.09	0.38	9.37E-01	no
Cdk14	0.18	0.21	0.21	9.37E-01	no
Ccdc106	0.39	0.45	0.21	9.37E-01	no
Cd302	1.34	1.52	0.17	9.37E-01	no
Ctxn1	1.75	1.96	0.16	9.37E-01	no
Cbr4	6.30	6.87	0.13	9.37E-01	no
Mmab	10.21	10.81	0.08	9.37E-01	no
Slc48a1	22.35	23.47	0.07	9.37E-01	no

Chkb	26.20	27.51	0.07	9.37E-01	no
Rela	24.58	25.75	0.07	9.37E-01	no
Stk17b	35.30	36.90	0.06	9.37E-01	no
Man1a2	15.78	15.10	-0.06	9.37E-01	no
Exoc5	19.09	18.23	-0.07	9.37E-01	no
Slc35a5	6.66	6.24	-0.09	9.37E-01	no
Nme6	11.89	11.03	-0.11	9.37E-01	no
Adam15	2.44	2.24	-0.13	9.37E-01	no
Chrn2	0.45	0.40	-0.16	9.37E-01	no
Sh3d20	1.31	1.17	-0.17	9.37E-01	no
Hist1h4a	0.59	0.41	-0.52	9.37E-01	no
Zfp691	4.20	4.55	0.12	9.37E-01	no
2210417A02Ri	0.13	0.21	0.68	9.37E-01	no
Nr3c2	0.05	0.06	0.43	9.37E-01	no
Trim47	0.23	0.27	0.26	9.37E-01	no
Hopx	4.78	5.26	0.14	9.37E-01	no
Tmc4	2.07	2.26	0.13	9.37E-01	no
Acot10	6.92	7.49	0.11	9.37E-01	no
C78339	8.20	8.85	0.11	9.37E-01	no
Zfp189	4.55	4.90	0.11	9.37E-01	no
Bok	9.69	10.41	0.10	9.37E-01	no
Lman2	34.45	33.01	-0.06	9.37E-01	no
Prpf3	19.83	18.88	-0.07	9.37E-01	no
Xpnpep1	16.20	15.36	-0.08	9.37E-01	no
Acadm	14.78	13.90	-0.09	9.37E-01	no
Gpr89	11.09	10.36	-0.10	9.37E-01	no
1700009P17Ri	1.14	1.00	-0.19	9.37E-01	no
Syng1	0.39	0.31	-0.36	9.37E-01	no
Actn3	0.08	0.06	-0.41	9.37E-01	no
Oscar	0.12	0.09	-0.50	9.37E-01	no
Lepr	0.05	0.03	-0.58	9.37E-01	no
Gls2	0.04	0.03	-0.78	9.37E-01	no
Rab42-ps	0.09	0.16	0.75	9.38E-01	no
Gm4787	0.51	0.58	0.19	9.38E-01	no
Pros1	0.47	0.54	0.19	9.38E-01	no
1700120K04Ri	1.13	1.32	0.22	9.38E-01	no
Pmf1	50.41	52.89	0.07	9.38E-01	no
Mrpl9	28.96	27.53	-0.07	9.38E-01	no
Tagln	1.57	1.74	0.15	9.38E-01	no
Ndufb2	33.63	36.08	0.10	9.38E-01	no
Nat14	1.21	1.08	-0.16	9.38E-01	no
3110047P20Ri	0.01	0.01	0.68	9.38E-01	no

5031425F14Ri	0.04	0.06	0.67	9.38E-01	no
Tspan18	0.02	0.04	0.67	9.38E-01	no
A230072C01Ri	3.47	3.81	0.13	9.38E-01	no
Tmem181c-ps	6.09	6.50	0.10	9.38E-01	no
Zfp874b	5.88	6.28	0.10	9.38E-01	no
Msto1	10.82	11.53	0.09	9.38E-01	no
Zfp369	9.94	10.53	0.08	9.38E-01	no
Slco4a1	25.20	24.04	-0.07	9.38E-01	no
Ptger2	0.36	0.31	-0.20	9.38E-01	no
Mafa	0.22	0.17	-0.41	9.38E-01	no
Nat8	0.06	0.11	0.79	9.38E-01	no
Ccin	0.03	0.05	0.68	9.38E-01	no
Cxx1a	8.48	9.14	0.11	9.38E-01	no
Zfp85-rs1	5.87	6.33	0.11	9.38E-01	no
Jmjd7	11.65	12.46	0.10	9.38E-01	no
Zfp609	6.88	7.22	0.07	9.38E-01	no
Fkbp5	23.04	22.03	-0.06	9.38E-01	no
Dedd	15.67	14.90	-0.07	9.38E-01	no
B4galt5	9.04	8.57	-0.08	9.38E-01	no
Dpy19l4	10.51	9.89	-0.09	9.38E-01	no
Trim23	7.54	7.10	-0.09	9.38E-01	no
2310057M21R	6.19	5.75	-0.11	9.38E-01	no
Cldnd2	0.47	0.36	-0.40	9.38E-01	no
Ypel3	59.97	62.58	0.06	9.38E-01	no
Galnt4	7.84	8.27	0.08	9.38E-01	no
Tmem198	0.47	0.41	-0.21	9.38E-01	no
1110007C09Ri	4.84	5.31	0.14	9.39E-01	no
Fam92a	9.46	10.18	0.11	9.39E-01	no
Gipc1	20.42	19.34	-0.08	9.39E-01	no
Tm2d2	16.74	15.71	-0.09	9.39E-01	no
Ddx59	7.22	6.74	-0.10	9.39E-01	no
St3gal2	3.97	4.24	0.09	9.39E-01	no
Ankrd17	26.68	27.52	0.04	9.39E-01	no
Ptbp2	16.66	15.83	-0.07	9.39E-01	no
Gpt2	1.39	1.27	-0.13	9.39E-01	no
Dysfip1	0.10	0.16	0.66	9.39E-01	no
Ephx4	0.11	0.07	-0.73	9.39E-01	no
Obfc2b	22.16	20.86	-0.09	9.39E-01	no
Rabac1	22.50	21.08	-0.09	9.39E-01	no
Rnpepl1	25.31	26.47	0.06	9.39E-01	no
Ppp1r14a	0.12	0.19	0.68	9.39E-01	no
Mesp2	0.04	0.06	0.67	9.39E-01	no

1110034G24Ri	3.24	3.55	0.13	9.39E-01	no
Rbbp9	4.68	5.06	0.11	9.39E-01	no
Rnf149	5.99	6.44	0.10	9.39E-01	no
AI987944	8.97	9.52	0.09	9.39E-01	no
Rab10	45.10	43.26	-0.06	9.39E-01	no
Cnot7	25.01	23.85	-0.07	9.39E-01	no
Kbtbd4	15.67	14.86	-0.08	9.39E-01	no
Mtmr10	2.79	2.59	-0.10	9.39E-01	no
Deb1	11.09	10.16	-0.13	9.39E-01	no
Gpr111	0.10	0.08	-0.39	9.39E-01	no
Ccdc37	0.03	0.05	0.66	9.39E-01	no
Ccdc80	0.02	0.04	0.66	9.39E-01	no
AI428936	0.67	0.76	0.18	9.39E-01	no
Stx3	2.27	2.46	0.12	9.39E-01	no
Tmtc4	4.22	4.54	0.10	9.39E-01	no
Hinfp	11.49	12.19	0.08	9.39E-01	no
4932415G12Ri	7.66	8.12	0.08	9.39E-01	no
Zfp169	7.03	7.42	0.08	9.39E-01	no
Zfp865	15.14	15.85	0.07	9.39E-01	no
Dctn2	30.89	32.32	0.07	9.39E-01	no
Cd79b	132.93	127.56	-0.06	9.39E-01	no
Aldh18a1	19.90	19.09	-0.06	9.39E-01	no
Ap2a1	29.07	27.88	-0.06	9.39E-01	no
Arl5b	11.32	10.70	-0.08	9.39E-01	no
Pdpf	31.12	29.34	-0.09	9.39E-01	no
Ube2f	16.80	15.77	-0.09	9.39E-01	no
Plxnc1	2.05	1.90	-0.11	9.39E-01	no
Gm16516	0.75	0.65	-0.20	9.39E-01	no
1700025K23Ri	1.05	0.90	-0.22	9.39E-01	no
Acvrl1	0.11	0.09	-0.30	9.39E-01	no
Gorab	4.51	4.18	-0.11	9.40E-01	no
Gosr2	33.19	34.64	0.06	9.40E-01	no
Sertad2	6.95	6.60	-0.08	9.40E-01	no
Gm5136	0.19	0.15	-0.39	9.40E-01	no
Clic1	110.61	115.25	0.06	9.40E-01	no
Lrpprc	21.79	20.88	-0.06	9.40E-01	no
Fbxw11	25.69	24.62	-0.06	9.40E-01	no
Pigb	4.86	4.50	-0.11	9.40E-01	no
Npm2	0.11	0.07	-0.73	9.40E-01	no
Pcnx13	22.87	23.82	0.06	9.40E-01	no
Exosc4	12.59	11.85	-0.09	9.40E-01	no
St3gal3	5.98	5.59	-0.10	9.40E-01	no

Sesn2	1.58	1.44	-0.13	9.40E-01	no
Samd3	0.05	0.08	0.65	9.40E-01	no
Tmem163	1.38	1.52	0.14	9.40E-01	no
Dao	0.05	0.08	0.65	9.41E-01	no
C030034I22Ri	3.49	3.23	-0.11	9.41E-01	no
Nnat	1.50	2.39	0.67	9.41E-01	no
BC055004	0.04	0.06	0.65	9.41E-01	no
Cxcl16	0.14	0.17	0.31	9.41E-01	no
Frmd5	0.18	0.20	0.20	9.41E-01	no
Gm3435	7.58	8.11	0.10	9.41E-01	no
Mtch1	39.08	40.81	0.06	9.41E-01	no
Prr14	26.73	25.55	-0.06	9.41E-01	no
Ankrd26	6.58	6.25	-0.07	9.41E-01	no
5730455P16Ri	8.12	7.69	-0.08	9.41E-01	no
Esam	0.04	0.06	0.65	9.41E-01	no
Hs2st1	5.60	5.94	0.08	9.41E-01	no
Dem1	15.28	16.10	0.08	9.41E-01	no
Mcl1	61.09	63.61	0.06	9.41E-01	no
Zfp873	8.73	8.17	-0.10	9.41E-01	no
Zkscan4	1.60	1.75	0.13	9.41E-01	no
4930447C04Ri	0.13	0.09	-0.49	9.41E-01	no
Npw	0.24	0.16	-0.54	9.41E-01	no
Esrp1	0.02	0.04	0.61	9.41E-01	no
Tnip3	0.03	0.02	-0.68	9.41E-01	no
Tgoln2	3.52	5.30	0.59	9.41E-01	no
Dusp7	16.22	17.00	0.07	9.41E-01	no
Slc36a3	0.05	0.08	0.64	9.41E-01	no
Xkrx	0.67	0.75	0.16	9.41E-01	no
Tmem150a	1.17	1.30	0.16	9.41E-01	no
H2-DMa	9.75	10.54	0.11	9.41E-01	no
Med10	22.85	24.29	0.09	9.41E-01	no
Zfp935	8.84	9.40	0.09	9.41E-01	no
Nbas	6.65	6.97	0.07	9.41E-01	no
Zfp426	12.31	12.91	0.07	9.41E-01	no
Bsn	3.03	3.17	0.07	9.41E-01	no
Ttc15	21.94	22.78	0.05	9.41E-01	no
Reps1	25.73	24.69	-0.06	9.41E-01	no
Dhx57	14.49	13.90	-0.06	9.41E-01	no
Sdf4	20.18	19.35	-0.06	9.41E-01	no
Mex3c	23.65	22.66	-0.06	9.41E-01	no
Nrbp1	26.85	25.65	-0.07	9.41E-01	no
6720456B07Ri	49.43	47.16	-0.07	9.41E-01	no

0610011L14Ri	11.22	10.68	-0.07	9.41E-01	no
Zbtb6	10.81	10.27	-0.07	9.41E-01	no
Ubac1	9.65	9.14	-0.08	9.41E-01	no
Slc25a16	10.23	9.66	-0.08	9.41E-01	no
Pars2	7.19	6.75	-0.09	9.41E-01	no
Arl3	14.24	13.25	-0.10	9.41E-01	no
Dlg2	0.58	0.52	-0.15	9.41E-01	no
6330403K07Ri	0.20	0.16	-0.34	9.41E-01	no
Atp4b	0.08	0.05	-0.72	9.41E-01	no
Rdh10	4.97	4.61	-0.11	9.41E-01	no
Akr1b8	0.19	0.24	0.33	9.41E-01	no
Spn	54.15	56.20	0.05	9.42E-01	no
1810043H04Ri	18.55	17.20	-0.11	9.42E-01	no
Vmn2r85	0.07	0.05	-0.58	9.42E-01	no
Crtam	0.04	0.07	0.64	9.42E-01	no
Rassf7	5.81	6.25	0.11	9.42E-01	no
Slc25a13	6.20	6.59	0.09	9.42E-01	no
Tcf25	66.39	68.41	0.04	9.42E-01	no
Ina	0.03	0.02	-0.82	9.42E-01	no
Phospho2	12.69	11.96	-0.09	9.42E-01	no
Hoxa1	0.04	0.07	0.64	9.42E-01	no
Sec16a	19.01	18.27	-0.06	9.42E-01	no
Dazap2	125.15	120.33	-0.06	9.43E-01	no
A3galt2	0.21	0.18	-0.22	9.43E-01	no
Atf3	0.16	0.19	0.30	9.43E-01	no
Hs3st3b1	0.08	0.10	0.24	9.43E-01	no
S100a4	2.50	2.81	0.17	9.43E-01	no
Mkrn1	19.62	20.53	0.07	9.43E-01	no
Zfp280c	15.84	16.50	0.06	9.43E-01	no
Arhgap1	27.05	26.13	-0.05	9.43E-01	no
Wibg	38.92	37.28	-0.06	9.43E-01	no
Tmem135	12.56	11.94	-0.07	9.43E-01	no
BC056474	35.15	33.16	-0.08	9.43E-01	no
Rufy3	4.63	4.34	-0.09	9.43E-01	no
Nav1	0.19	0.17	-0.15	9.43E-01	no
Clec4e	0.14	0.11	-0.36	9.43E-01	no
Pck2	30.91	29.66	-0.06	9.43E-01	no
Farp1	0.20	0.23	0.18	9.43E-01	no
Aldh7a1	4.58	4.94	0.11	9.43E-01	no
Hmbox1	15.05	15.80	0.07	9.43E-01	no
Rrm2b	28.12	26.99	-0.06	9.43E-01	no
Wdr24	14.93	14.23	-0.07	9.43E-01	no

Hist1h2bk	0.19	0.10	-0.92	9.43E-01	no
Slc38a8	0.05	0.07	0.46	9.43E-01	no
Pstk	4.78	5.20	0.12	9.43E-01	no
Klf11	3.35	3.59	0.10	9.43E-01	no
Dpm1	11.93	12.64	0.08	9.43E-01	no
Vps53	10.86	11.44	0.08	9.43E-01	no
Gm1564	0.03	0.02	-0.70	9.43E-01	no
Ube2a	34.33	35.97	0.07	9.43E-01	no
Sod2	12.41	11.81	-0.07	9.43E-01	no
Lasp1	31.72	30.46	-0.06	9.43E-01	no
Rce1	16.40	15.48	-0.08	9.43E-01	no
Dcps	31.50	29.96	-0.07	9.43E-01	no
Pnma1	0.37	0.42	0.18	9.44E-01	no
Bod1	10.96	11.68	0.09	9.44E-01	no
Prmt3	19.69	18.78	-0.07	9.44E-01	no
Mrpl14	22.80	21.31	-0.10	9.44E-01	no
Ears2	4.85	4.51	-0.11	9.44E-01	no
Muc5b	0.01	0.01	0.62	9.44E-01	no
Gm13547	0.47	0.58	0.30	9.44E-01	no
Metrn1	0.13	0.16	0.29	9.44E-01	no
Sntb1	0.20	0.24	0.24	9.44E-01	no
Aipl1	0.92	1.03	0.16	9.44E-01	no
Eps8l2	3.91	4.19	0.10	9.44E-01	no
Shkbp1	18.44	19.33	0.07	9.44E-01	no
Xrn1	12.17	12.71	0.06	9.44E-01	no
Brd1	26.50	25.48	-0.06	9.44E-01	no
Ralgapb	16.15	15.53	-0.06	9.44E-01	no
Tlk2	12.73	12.21	-0.06	9.44E-01	no
Hmgcr	19.88	19.07	-0.06	9.44E-01	no
Chchd3	31.40	29.96	-0.07	9.44E-01	no
Mmadhc	27.32	25.93	-0.08	9.44E-01	no
Parp8	7.18	6.76	-0.09	9.44E-01	no
Prr24	9.58	8.98	-0.09	9.44E-01	no
Churc1	18.39	17.12	-0.10	9.44E-01	no
Zfp52	3.76	3.50	-0.10	9.44E-01	no
Ccdc102a	0.67	0.60	-0.16	9.44E-01	no
Tmem120b	0.84	0.75	-0.16	9.44E-01	no
Rab26	0.29	0.24	-0.27	9.44E-01	no
Ceacam19	0.03	0.02	-0.72	9.44E-01	no
Gm6710	0.03	0.05	0.64	9.44E-01	no
Serinc1	26.93	28.13	0.06	9.44E-01	no
Snhg9	1.00	0.74	-0.42	9.44E-01	no

Kifap3	5.53	5.87	0.09	9.44E-01	no
Dnm2	30.42	31.64	0.06	9.44E-01	no
Mtap7d2	0.04	0.05	0.45	9.44E-01	no
Nrip3	0.06	0.08	0.35	9.44E-01	no
Numb	9.15	9.73	0.09	9.44E-01	no
Mettl13	9.80	10.34	0.08	9.44E-01	no
Sppl3	28.48	29.71	0.06	9.44E-01	no
Fam168b	69.68	67.62	-0.04	9.44E-01	no
Reep3	14.86	14.14	-0.07	9.44E-01	no
Mrps17	28.26	26.81	-0.08	9.44E-01	no
Gale	7.21	6.72	-0.10	9.44E-01	no
P2ry2	0.05	0.07	0.45	9.44E-01	no
Gm7694	0.35	0.39	0.16	9.44E-01	no
Zc3h7b	23.84	24.79	0.06	9.44E-01	no
Snx13	10.67	10.20	-0.06	9.44E-01	no
Fam196b	0.10	0.09	-0.23	9.44E-01	no
Nxf7	0.05	0.08	0.62	9.44E-01	no
Rps12	1.64	1.86	0.18	9.44E-01	no
Sin3b	41.67	43.38	0.06	9.44E-01	no
Cx3cr1	0.36	0.32	-0.16	9.44E-01	no
Gm6578	0.24	0.26	0.15	9.44E-01	no
Imp3	43.98	46.16	0.07	9.44E-01	no
Ubn2	15.39	14.80	-0.06	9.44E-01	no
Mtf2	39.63	38.10	-0.06	9.44E-01	no
Snta1	0.05	0.03	-0.69	9.44E-01	no
Paqr6	0.04	0.06	0.62	9.44E-01	no
Ube2e1	44.02	46.01	0.06	9.44E-01	no
Atg2a	11.58	12.06	0.06	9.44E-01	no
Gphb5	0.06	0.09	0.61	9.45E-01	no
Hcn3	0.58	0.64	0.15	9.45E-01	no
Mcts2	4.66	5.09	0.13	9.45E-01	no
Brms1	19.60	18.58	-0.08	9.45E-01	no
9330151L19Ril	3.01	2.78	-0.11	9.45E-01	no
4930519F09Ri	2.09	1.91	-0.13	9.45E-01	no
Kcnd1	0.33	0.28	-0.22	9.45E-01	no
Cbr3	0.22	0.18	-0.33	9.45E-01	no
Ufd1l	18.68	17.80	-0.07	9.45E-01	no
Cep57l1	14.83	15.57	0.07	9.45E-01	no
Al414108	0.02	0.03	0.61	9.45E-01	no
Tmc1	0.08	0.06	-0.35	9.45E-01	no
Capn7	32.40	31.14	-0.06	9.45E-01	no
Atp2a3	115.78	112.91	-0.04	9.46E-01	no

Plekhn1	5.44	5.81	0.10	9.46E-01	no
1700029I15Rik	0.68	0.52	-0.39	9.46E-01	no
Ppapdc1b	4.71	5.09	0.11	9.46E-01	no
Anapc13	27.04	28.91	0.10	9.46E-01	no
Srfbp1	23.31	22.19	-0.07	9.46E-01	no
Zdhhc9	5.73	5.38	-0.09	9.46E-01	no
Zfp712	3.13	2.92	-0.10	9.46E-01	no
Qdpr	25.93	27.21	0.07	9.46E-01	no
Nsfl1c	36.16	34.59	-0.06	9.46E-01	no
Rrp9	13.87	13.12	-0.08	9.46E-01	no
Zcrb1	22.07	20.76	-0.09	9.46E-01	no
Tnfaip8l1	2.44	2.25	-0.12	9.46E-01	no
Plp1	1.45	1.32	-0.13	9.46E-01	no
Adam22	0.18	0.13	-0.41	9.46E-01	no
Ankrd29	0.03	0.05	0.60	9.47E-01	no
Gja6	0.09	0.13	0.44	9.47E-01	no
Plek2	0.12	0.15	0.37	9.47E-01	no
Stab1	0.05	0.06	0.23	9.47E-01	no
Cebpb	0.63	0.71	0.17	9.47E-01	no
Il20rb	0.91	1.00	0.14	9.47E-01	no
Ada	12.93	13.67	0.08	9.47E-01	no
Zfp780b	4.44	4.69	0.08	9.47E-01	no
Cdc42bpg	6.36	6.66	0.07	9.47E-01	no
Extl3	9.39	9.80	0.06	9.47E-01	no
AB124611	37.30	38.89	0.06	9.47E-01	no
Ccnt2	25.40	26.44	0.06	9.47E-01	no
Nbr1	19.25	20.03	0.06	9.47E-01	no
Rsb1	15.84	16.48	0.06	9.47E-01	no
4632411B12Ri	21.15	21.98	0.06	9.47E-01	no
Fam178a	22.26	23.12	0.05	9.47E-01	no
Keap1	26.15	25.27	-0.05	9.47E-01	no
Chd8	30.05	28.95	-0.05	9.47E-01	no
Vapa	46.80	44.89	-0.06	9.47E-01	no
Ostc	38.74	36.92	-0.07	9.47E-01	no
Ngrn	19.12	18.21	-0.07	9.47E-01	no
Pcgf6	9.58	9.03	-0.09	9.47E-01	no
Arhgap5	4.15	3.90	-0.09	9.47E-01	no
Acpl2	4.71	4.41	-0.09	9.47E-01	no
Mx2	2.80	2.59	-0.11	9.47E-01	no
B430212C06Ri	0.84	0.76	-0.14	9.47E-01	no
Ppap2a	1.64	1.46	-0.16	9.47E-01	no
Hus1b	0.25	0.19	-0.38	9.47E-01	no

Hist2h2ab	0.33	0.24	-0.49	9.47E-01	no
5830403L16Ril	0.07	0.05	-0.63	9.47E-01	no
D330045A20R	0.03	0.02	-0.64	9.47E-01	no
4430402I18Rik	0.06	0.04	-0.65	9.47E-01	no
Slc30a6	6.96	6.52	-0.09	9.47E-01	no
Taf9b	4.73	5.06	0.10	9.47E-01	no
Col28a1	0.04	0.05	0.41	9.47E-01	no
Klhl21	7.78	8.18	0.07	9.47E-01	no
Edf1	37.36	35.49	-0.07	9.47E-01	no
Brp16	12.04	11.40	-0.08	9.47E-01	no
Rps19	27.76	26.20	-0.08	9.47E-01	no
2610035D17Ri	3.45	3.19	-0.11	9.47E-01	no
Pspn	0.48	0.37	-0.38	9.47E-01	no
Aldoart2	4.21	4.54	0.11	9.47E-01	no
Dus3l	21.05	20.15	-0.06	9.47E-01	no
Zfp810	8.57	8.12	-0.08	9.47E-01	no
Nbeal1	2.90	3.06	0.07	9.48E-01	no
Rev3l	14.67	14.13	-0.05	9.48E-01	no
Tnfsf8	0.73	0.65	-0.15	9.48E-01	no
Akr1b10	10.67	11.35	0.09	9.48E-01	no
Mtrf1	3.66	3.39	-0.11	9.48E-01	no
Ranbp10	15.07	15.68	0.06	9.48E-01	no
Atxn1l	13.27	12.77	-0.06	9.48E-01	no
Atrn	6.91	6.63	-0.06	9.48E-01	no
Omp	0.56	0.63	0.16	9.48E-01	no
Zfr	31.93	30.76	-0.05	9.48E-01	no
Rnf167	34.39	35.89	0.06	9.49E-01	no
Dgkk	0.01	0.02	0.59	9.49E-01	no
Cdkn2aipnl	37.02	35.53	-0.06	9.49E-01	no
Ddx55	11.83	11.27	-0.07	9.49E-01	no
Gm16517	13.29	14.12	0.09	9.49E-01	no
Dym	11.67	12.28	0.07	9.49E-01	no
Strada	19.02	18.14	-0.07	9.49E-01	no
Rgl1	9.07	8.64	-0.07	9.49E-01	no
Dpagt1	16.40	15.58	-0.07	9.49E-01	no
Cyth4	8.40	8.86	0.08	9.49E-01	no
Clec16a	6.12	5.84	-0.07	9.49E-01	no
Eif3f	87.18	84.02	-0.05	9.49E-01	no
Spry1	1.65	1.79	0.12	9.49E-01	no
Hsh2d	9.67	10.30	0.09	9.49E-01	no
Phxr4	0.09	0.14	0.58	9.50E-01	no
Dusp12	10.18	10.84	0.09	9.50E-01	no

Hdac3	32.19	30.90	-0.06	9.50E-01	no
Gdap2	7.45	7.03	-0.08	9.50E-01	no
Yes1	0.40	0.36	-0.16	9.50E-01	no
Slfn1	0.63	0.71	0.17	9.50E-01	no
Diap2	3.08	3.25	0.08	9.50E-01	no
Ptcd1	9.50	9.05	-0.07	9.50E-01	no
Alas1	9.88	9.38	-0.07	9.50E-01	no
Ttc5	31.17	32.32	0.05	9.50E-01	no
Gm3219	20.75	19.44	-0.09	9.50E-01	no
Chmp1a	33.30	34.64	0.06	9.50E-01	no
Papolg	11.67	12.22	0.07	9.50E-01	no
Pdzd11	17.32	16.33	-0.08	9.50E-01	no
Lct	0.14	0.13	-0.17	9.50E-01	no
Ints9	19.72	18.90	-0.06	9.50E-01	no
Slc30a1	2.54	2.38	-0.10	9.50E-01	no
Wdr8	13.10	12.41	-0.08	9.51E-01	no
Serpinf1	9.46	8.91	-0.09	9.51E-01	no
Bbip1	13.64	12.76	-0.10	9.51E-01	no
Wdtd1	26.37	25.41	-0.05	9.51E-01	no
Dmrt2	0.03	0.04	0.58	9.51E-01	no
Entpd6	7.53	7.97	0.08	9.51E-01	no
Txn1	67.19	69.94	0.06	9.51E-01	no
4930412C18Ri	0.05	0.04	-0.44	9.51E-01	no
Gm5431	2.56	2.38	-0.11	9.51E-01	no
Tsc2	16.81	17.41	0.05	9.51E-01	no
Gm5434	3.40	3.14	-0.12	9.51E-01	no
Mt2	0.72	0.60	-0.27	9.51E-01	no
Zbtb8a	3.52	3.78	0.10	9.51E-01	no
Ccdc59	18.81	17.80	-0.08	9.51E-01	no
Ubap1	16.04	15.34	-0.06	9.52E-01	no
Nin	18.76	18.20	-0.04	9.52E-01	no
Sav1	23.15	22.20	-0.06	9.52E-01	no
Actr10	10.46	9.98	-0.07	9.52E-01	no
Arhgap27	23.05	22.20	-0.05	9.52E-01	no
Gm3833	3.52	3.76	0.10	9.52E-01	no
Paqr4	2.19	1.12	-0.96	9.52E-01	no
Gys1	7.32	7.69	0.07	9.52E-01	no
Gripap1	15.55	16.21	0.06	9.52E-01	no
Fxr2	23.60	22.70	-0.06	9.52E-01	no
Slc9a6	6.16	5.85	-0.07	9.52E-01	no
2410066E13Ri	8.19	8.72	0.09	9.52E-01	no
Cd244	1.77	1.64	-0.11	9.52E-01	no

E230016K23Ri	0.06	0.04	-0.60	9.52E-01	no
Dnahc7b	0.01	0.01	0.57	9.53E-01	no
Kbtbd3	2.37	2.57	0.11	9.53E-01	no
Rpain	9.33	9.96	0.09	9.53E-01	no
Zdhhc12	9.62	10.24	0.09	9.53E-01	no
Cog2	13.99	14.62	0.06	9.53E-01	no
Rpl18	229.35	221.41	-0.05	9.53E-01	no
Dab2ip	11.25	10.82	-0.06	9.53E-01	no
Tmem80	18.79	17.88	-0.07	9.53E-01	no
Pgam2	2.58	2.35	-0.13	9.53E-01	no
Zfp511	13.23	14.03	0.09	9.53E-01	no
Hgs	16.57	17.22	0.06	9.53E-01	no
Ankhd1	24.78	25.67	0.05	9.53E-01	no
Bcl7c	21.63	20.54	-0.07	9.53E-01	no
Shoc2	17.20	15.77	-0.13	9.53E-01	no
Fam193b	43.97	42.73	-0.04	9.53E-01	no
Psmc9	9.41	8.93	-0.08	9.53E-01	no
Cage1	1.13	1.23	0.12	9.53E-01	no
Mbtps1	31.08	32.11	0.05	9.53E-01	no
Cln8	0.73	0.79	0.12	9.53E-01	no
Mustn1	0.65	0.74	0.17	9.53E-01	no
Gm10345	0.87	0.96	0.14	9.53E-01	no
Rcn3	2.36	2.56	0.12	9.53E-01	no
AW209491	4.38	4.68	0.10	9.53E-01	no
Fam45a	8.84	9.33	0.08	9.53E-01	no
Rnf113a2	14.16	14.95	0.08	9.53E-01	no
Atg16l2	14.72	15.40	0.07	9.53E-01	no
Rchy1	22.77	23.78	0.06	9.53E-01	no
Urb1	8.89	9.24	0.06	9.53E-01	no
Rbm15b	23.61	24.52	0.05	9.53E-01	no
Zfp217	26.48	25.70	-0.04	9.53E-01	no
Ptpn1	19.80	19.08	-0.05	9.53E-01	no
B3galt6	4.88	4.59	-0.09	9.53E-01	no
6030422M02R	0.13	0.11	-0.31	9.53E-01	no
Foxo4	14.70	15.33	0.06	9.53E-01	no
Tbc1d22b	13.11	12.56	-0.06	9.53E-01	no
Hes7	0.11	0.07	-0.63	9.53E-01	no
Pmaip1	1.50	1.62	0.12	9.53E-01	no
Cxcr4	107.21	103.53	-0.05	9.53E-01	no
Gapdhs	1.35	1.49	0.14	9.53E-01	no
Gorasp1	3.50	3.72	0.09	9.53E-01	no
Ifrd1	15.22	16.00	0.07	9.53E-01	no

Rac2	74.79	77.42	0.05	9.53E-01	no
Azi2	20.93	20.18	-0.05	9.53E-01	no
Enoph1	13.42	12.76	-0.07	9.53E-01	no
Rars2	11.65	11.03	-0.08	9.53E-01	no
Cecr6	0.09	0.08	-0.24	9.54E-01	no
Dscr3	24.92	25.92	0.06	9.54E-01	no
Zfp260	22.64	21.79	-0.06	9.54E-01	no
Cfdp1	29.18	27.91	-0.06	9.54E-01	no
Dmrt3	0.04	0.03	-0.53	9.54E-01	no
Agbl2	0.03	0.02	-0.65	9.54E-01	no
Dtna	0.02	0.01	-0.65	9.54E-01	no
C1qtnf3	0.05	0.07	0.56	9.54E-01	no
Il1f9	0.07	0.10	0.56	9.54E-01	no
Ikzf4	0.04	0.05	0.40	9.54E-01	no
Prkaa2	0.28	0.31	0.14	9.54E-01	no
Tmem181a	9.41	9.96	0.08	9.54E-01	no
Zfp952	8.16	8.60	0.08	9.54E-01	no
Trip11	9.77	10.16	0.06	9.54E-01	no
Zfp263	24.52	25.45	0.05	9.54E-01	no
Ccdc6	20.19	20.92	0.05	9.54E-01	no
Arih1	31.39	30.32	-0.05	9.54E-01	no
Tbcd	17.64	16.98	-0.06	9.54E-01	no
Ddhd1	9.18	8.83	-0.06	9.54E-01	no
Gzf1	12.97	12.45	-0.06	9.54E-01	no
Qpctl	6.01	5.66	-0.09	9.54E-01	no
Lym4	5.67	5.30	-0.10	9.54E-01	no
Crlf1	0.40	0.35	-0.18	9.54E-01	no
Acyp2	0.95	0.82	-0.21	9.54E-01	no
Hist1h3b	0.53	0.41	-0.36	9.54E-01	no
Tnnt1	0.89	0.99	0.16	9.54E-01	no
Rps28	39.22	41.66	0.09	9.54E-01	no
Chfr	25.29	24.36	-0.05	9.54E-01	no
Pus7l	4.24	3.98	-0.09	9.54E-01	no
Tgm2	0.05	0.06	0.35	9.54E-01	no
Bcl2l15	0.41	0.49	0.27	9.54E-01	no
Egr3	1.65	1.81	0.13	9.54E-01	no
St7l	3.00	3.22	0.11	9.54E-01	no
Fzd8	0.06	0.04	-0.38	9.54E-01	no
4930407l10Rik	0.03	0.02	-0.45	9.54E-01	no
Eno4	0.04	0.03	-0.64	9.54E-01	no
Zfp617	9.19	8.74	-0.07	9.54E-01	no
Utp23	8.46	8.03	-0.08	9.54E-01	no

1100001G20Ri	0.47	0.60	0.34	9.54E-01	no
2410016O06Ri	13.43	12.83	-0.07	9.54E-01	no
Pex14	10.75	11.31	0.07	9.54E-01	no
Mri1	13.01	13.65	0.07	9.54E-01	no
Sh2d2a	5.67	5.94	0.07	9.54E-01	no
Tgfbr1	16.57	15.96	-0.05	9.54E-01	no
Trub1	5.40	5.14	-0.07	9.54E-01	no
Gtf2ird2	4.87	4.61	-0.08	9.54E-01	no
Uchl3	19.94	18.86	-0.08	9.54E-01	no
Slc15a3	5.88	5.54	-0.09	9.54E-01	no
Lrrc48	0.57	0.51	-0.16	9.54E-01	no
Tpt1	109.44	105.60	-0.05	9.54E-01	no
Traf3ip2	14.76	15.39	0.06	9.55E-01	no
Tmem126b	12.00	11.22	-0.10	9.55E-01	no
D11Wsu47e	8.84	9.31	0.08	9.55E-01	no
Gm5127	0.17	0.13	-0.34	9.55E-01	no
Hnf1a	0.06	0.07	0.32	9.55E-01	no
Myom3	0.04	0.05	0.27	9.55E-01	no
Prg2	0.50	0.58	0.20	9.55E-01	no
Rgs3	2.43	2.58	0.08	9.55E-01	no
Gng13	0.25	0.16	-0.61	9.55E-01	no
Bmp7	0.08	0.10	0.38	9.55E-01	no
4933425O20Ri	0.39	0.34	-0.22	9.55E-01	no
A330050B17Ri	0.09	0.25	1.42	9.55E-01	no
Cyp4f40	0.01	0.04	1.35	9.55E-01	no
Slc25a26	3.05	3.27	0.10	9.55E-01	no
4930404N11Ri	9.67	10.35	0.10	9.55E-01	no
Srp68	31.82	30.69	-0.05	9.55E-01	no
Zfp958	8.43	7.97	-0.08	9.55E-01	no
Hic1	0.10	0.08	-0.34	9.55E-01	no
Rp2h	14.72	14.11	-0.06	9.55E-01	no
Uxs1	9.56	8.99	-0.09	9.55E-01	no
Tmem126a	11.02	10.30	-0.10	9.55E-01	no
Tmem170	3.76	3.50	-0.10	9.55E-01	no
Igdcc3	0.03	0.02	-0.51	9.55E-01	no
Slc26a10	0.07	0.09	0.38	9.55E-01	no
Eea1	11.88	11.46	-0.05	9.55E-01	no
Rgs9	0.78	0.72	-0.11	9.55E-01	no
Moap1	2.64	2.04	-0.37	9.55E-01	no
Matn3	0.04	0.02	-0.57	9.55E-01	no
Slain1	19.62	18.86	-0.06	9.55E-01	no
2410076I21Rik	0.96	1.07	0.15	9.55E-01	no

4931429L15Ri	0.03	0.05	0.54	9.56E-01	no
Gm6724	0.17	0.21	0.33	9.56E-01	no
Slc6a9	0.11	0.13	0.23	9.56E-01	no
Txnrd2	6.61	7.01	0.08	9.56E-01	no
Sltm	30.12	29.26	-0.04	9.56E-01	no
Myo1e	6.47	6.18	-0.07	9.56E-01	no
Igsf9b	0.05	0.04	-0.32	9.56E-01	no
4933413G19Ri	3.68	0.80	-2.21	9.56E-01	no
Ndufa6	36.68	38.56	0.07	9.56E-01	no
Gstz1	12.98	12.33	-0.07	9.56E-01	no
Fam59a	0.06	0.05	-0.28	9.56E-01	no
1500011K16Ri	8.50	9.10	0.10	9.56E-01	no
Apeh	21.09	21.92	0.06	9.56E-01	no
Vars	68.57	70.89	0.05	9.56E-01	no
Mtfr1	14.32	13.71	-0.06	9.56E-01	no
0610037P05Ri	24.19	23.08	-0.07	9.56E-01	no
Tspo	32.79	31.26	-0.07	9.56E-01	no
Rpl36	13.13	12.23	-0.10	9.56E-01	no
4930403N07Ri	0.13	0.16	0.25	9.56E-01	no
Gm10451	1.46	1.61	0.14	9.56E-01	no
D130017N08R	2.96	3.18	0.11	9.56E-01	no
Usp22	25.21	26.10	0.05	9.56E-01	no
Ptgr2	14.93	14.32	-0.06	9.56E-01	no
Ccdc130	5.30	5.62	0.08	9.56E-01	no
Ap3s1	20.19	21.18	0.07	9.56E-01	no
Hlf	0.08	0.07	-0.25	9.56E-01	no
Rab11fip4	0.12	0.14	0.21	9.57E-01	no
Gm10035	0.44	0.49	0.18	9.57E-01	no
Map3k2	11.80	11.40	-0.05	9.57E-01	no
Gltf	43.09	41.54	-0.05	9.57E-01	no
Fam117b	7.18	6.87	-0.06	9.57E-01	no
Cd55	8.43	8.88	0.08	9.57E-01	no
Fnta	22.15	21.24	-0.06	9.57E-01	no
Erlec1	9.19	8.77	-0.07	9.57E-01	no
Tceanc	6.68	6.35	-0.07	9.57E-01	no
Neurl3	4.23	3.98	-0.09	9.57E-01	no
Ripply3	0.11	0.14	0.37	9.57E-01	no
Upb1	0.32	0.36	0.19	9.57E-01	no
Larp1	41.85	43.24	0.05	9.57E-01	no
Fbxo4	2.23	2.09	-0.10	9.57E-01	no
Zswim7	3.86	3.57	-0.12	9.57E-01	no
Rfxap	10.46	9.96	-0.07	9.57E-01	no

Inpp5j	0.06	0.07	0.30	9.57E-01	no
4921507P07Ri	0.27	0.31	0.18	9.57E-01	no
Dctn5	36.20	34.82	-0.06	9.57E-01	no
Usp45	7.08	6.78	-0.06	9.57E-01	no
Disp2	0.03	0.04	0.31	9.57E-01	no
Il17f	0.18	0.22	0.31	9.57E-01	no
Yipf5	17.07	17.82	0.06	9.57E-01	no
Eif3k	61.22	58.89	-0.06	9.57E-01	no
Mrrf	6.55	6.19	-0.08	9.57E-01	no
Car12	2.29	2.15	-0.09	9.57E-01	no
Cdc42se2	39.29	37.98	-0.05	9.57E-01	no
Bspry	0.38	0.34	-0.17	9.57E-01	no
Kif3b	7.91	8.23	0.06	9.57E-01	no
Zdhhc24	7.82	8.21	0.07	9.57E-01	no
Ggnbp2	29.52	28.50	-0.05	9.57E-01	no
Ampd2	19.61	18.92	-0.05	9.57E-01	no
Itfg2	12.22	11.67	-0.07	9.57E-01	no
Zfp651	0.09	0.08	-0.18	9.57E-01	no
Tmem127	21.80	22.57	0.05	9.57E-01	no
Cabin1	21.08	21.78	0.05	9.57E-01	no
Prokr1	0.05	0.07	0.31	9.57E-01	no
1700012D14Ri	2.09	2.30	0.14	9.57E-01	no
Tmem50a	36.94	38.49	0.06	9.57E-01	no
Rest	14.39	13.88	-0.05	9.57E-01	no
Gata3	0.09	0.07	-0.31	9.57E-01	no
Epb4.9	0.04	0.03	-0.49	9.57E-01	no
Rnf39	0.07	0.05	-0.60	9.57E-01	no
Cryab	0.13	0.17	0.36	9.58E-01	no
Gm13306	0.67	0.78	0.22	9.58E-01	no
Krcc1	23.98	24.99	0.06	9.58E-01	no
Tstd2	14.39	14.95	0.06	9.58E-01	no
Dcaf8	33.80	34.93	0.05	9.58E-01	no
6330578E17Ri	31.24	30.21	-0.05	9.58E-01	no
Map3k3	24.75	23.90	-0.05	9.58E-01	no
Gstk1	4.08	3.78	-0.11	9.58E-01	no
Elfn1	0.51	0.47	-0.13	9.58E-01	no
Plod3	7.97	8.34	0.07	9.58E-01	no
2700060E02Ri	45.16	43.53	-0.05	9.58E-01	no
Rnf214	12.30	11.82	-0.06	9.58E-01	no
Lrig3	0.09	0.11	0.22	9.58E-01	no
1700008O03Ri	0.20	0.16	-0.34	9.58E-01	no
Sbk2	0.06	0.09	0.52	9.58E-01	no

Epha1	0.05	0.06	0.35	9.58E-01	no
2310009B15Ri	7.24	7.77	0.10	9.58E-01	no
Harbi1	4.63	4.92	0.09	9.58E-01	no
Zfp560	3.46	3.65	0.08	9.58E-01	no
Hdac4	3.71	3.91	0.08	9.58E-01	no
1600027N09Ri	15.35	16.13	0.07	9.58E-01	no
2410002F23Ri	23.27	24.18	0.06	9.58E-01	no
Prrc2b	39.48	38.46	-0.04	9.58E-01	no
Ddx50	26.79	25.84	-0.05	9.58E-01	no
1110014N23Ri	21.90	21.11	-0.05	9.58E-01	no
Ppif	27.19	26.11	-0.06	9.58E-01	no
Coasy	13.31	12.75	-0.06	9.58E-01	no
Dynlrb1	44.88	42.95	-0.06	9.58E-01	no
Efcab8	0.79	0.72	-0.15	9.58E-01	no
Styk1	0.03	0.02	-0.55	9.58E-01	no
Nck2	7.84	7.46	-0.07	9.58E-01	no
Slc7a11	0.04	0.03	-0.28	9.58E-01	no
Zglp1	1.00	0.91	-0.14	9.59E-01	no
Mosc1	0.08	0.10	0.32	9.59E-01	no
P4htm	0.34	0.38	0.16	9.59E-01	no
Txndc15	9.76	10.30	0.08	9.59E-01	no
Ucp2	208.04	215.88	0.05	9.59E-01	no
Leng8	51.31	52.97	0.05	9.59E-01	no
Jak1	37.38	36.21	-0.05	9.59E-01	no
Tmem87a	20.77	20.05	-0.05	9.59E-01	no
A430078G23R	11.35	10.87	-0.06	9.59E-01	no
Mrpl30	32.91	31.37	-0.07	9.59E-01	no
Tsen15	15.32	14.54	-0.08	9.59E-01	no
1810032O08Ri	11.06	10.49	-0.08	9.59E-01	no
Arhgap24	3.52	3.33	-0.08	9.59E-01	no
Zfp420	2.74	2.57	-0.09	9.59E-01	no
Dusp28	4.84	4.53	-0.09	9.59E-01	no
Tagln3	0.69	0.61	-0.16	9.59E-01	no
Thbs3	0.17	0.15	-0.19	9.59E-01	no
Gm15645	0.23	0.19	-0.25	9.59E-01	no
Hmx2	0.07	0.04	-0.59	9.59E-01	no
Cc2d2a	0.06	0.07	0.24	9.59E-01	no
Kcnk12	0.08	0.06	-0.44	9.59E-01	no
Gas6	0.22	0.25	0.18	9.59E-01	no
Tbc1d12	0.63	0.68	0.12	9.59E-01	no
Lhx2	0.72	0.78	0.13	9.59E-01	no
Stx17	10.73	11.13	0.05	9.59E-01	no

Dnajb13	8.69	8.19	-0.09	9.59E-01	no
1700025G04Ri	1.86	1.77	-0.08	9.59E-01	no
Rassf6	0.69	0.63	-0.15	9.59E-01	no
Lpar4	0.03	0.02	-0.59	9.60E-01	no
Ppp3ca	25.10	26.04	0.05	9.60E-01	no
Zfp445	36.09	34.97	-0.05	9.60E-01	no
Jund	25.53	24.67	-0.05	9.60E-01	no
Atp5k	35.06	33.04	-0.09	9.60E-01	no
Tbx21	0.06	0.04	-0.41	9.60E-01	no
Slc38a6	2.94	2.74	-0.10	9.60E-01	no
Rpp25	0.27	0.23	-0.23	9.60E-01	no
Ap2a2	16.63	16.07	-0.05	9.60E-01	no
Arvcf	21.57	22.28	0.05	9.60E-01	no
Scx	0.88	0.97	0.14	9.60E-01	no
Gm3852	0.96	0.85	-0.17	9.61E-01	no
Krtcap3	4.73	4.41	-0.10	9.61E-01	no
Ammecr1l	19.26	19.95	0.05	9.61E-01	no
Btn3a3	0.02	0.04	0.91	9.62E-01	no
Tmem136	0.03	0.05	0.50	9.62E-01	no
Il11ra2	0.19	0.27	0.45	9.62E-01	no
Rem1	0.07	0.09	0.38	9.62E-01	no
Tspan15	0.05	0.06	0.35	9.62E-01	no
Aif1	0.26	0.32	0.25	9.62E-01	no
Zscan30	2.51	2.74	0.12	9.62E-01	no
Plekha3	8.40	8.79	0.07	9.62E-01	no
Ndfip1	31.57	32.96	0.06	9.62E-01	no
Atpbd4	13.12	13.69	0.06	9.62E-01	no
Psme4	25.55	26.37	0.05	9.62E-01	no
Gnl1	16.06	15.48	-0.05	9.62E-01	no
Rab24	20.84	20.04	-0.06	9.62E-01	no
Slc7a6os	23.20	22.29	-0.06	9.62E-01	no
Slx1b	6.45	6.17	-0.06	9.62E-01	no
Rab9	18.08	17.24	-0.07	9.62E-01	no
Ndufa12	30.56	29.04	-0.07	9.62E-01	no
3110001I22Rik	5.35	5.03	-0.09	9.62E-01	no
Tst	3.76	3.50	-0.10	9.62E-01	no
Pik3cb	0.62	0.57	-0.11	9.62E-01	no
Lysmd2	0.69	0.61	-0.16	9.62E-01	no
Scfd1	14.08	14.70	0.06	9.62E-01	no
Lypla2	33.84	35.06	0.05	9.62E-01	no
Ascc2	18.66	17.99	-0.05	9.62E-01	no
Pou6f1	1.40	1.31	-0.09	9.62E-01	no

Tcea3	0.06	0.08	0.56	9.62E-01	no
Nrtn	0.17	0.21	0.28	9.62E-01	no
Efnb1	0.84	0.91	0.11	9.62E-01	no
Reck	0.90	0.97	0.10	9.62E-01	no
2900053A13Ri	5.90	6.27	0.09	9.62E-01	no
2310047M10R	6.52	6.88	0.08	9.62E-01	no
Ndufaf3	15.21	15.98	0.07	9.62E-01	no
Rwdd2b	8.16	8.57	0.07	9.62E-01	no
Smug1	5.39	5.66	0.07	9.62E-01	no
Ss18l1	4.89	5.13	0.07	9.62E-01	no
Arhgap10	6.96	7.29	0.07	9.62E-01	no
Crls1	14.16	14.80	0.06	9.62E-01	no
Ifi35	18.37	19.19	0.06	9.62E-01	no
Snx17	32.01	33.11	0.05	9.62E-01	no
Cul5	11.91	12.30	0.05	9.62E-01	no
Zmym4	14.28	14.75	0.05	9.62E-01	no
Gnl3l	17.39	16.88	-0.04	9.62E-01	no
Rbm16	28.80	27.92	-0.04	9.62E-01	no
Zfp644	15.40	14.90	-0.05	9.62E-01	no
Rsrc1	11.98	11.52	-0.06	9.62E-01	no
Rps6kb2	19.42	18.62	-0.06	9.62E-01	no
Crcp	18.78	18.00	-0.06	9.62E-01	no
Mtrf1l	8.01	7.63	-0.07	9.62E-01	no
Rft1	8.31	7.91	-0.07	9.62E-01	no
Fam96b	17.37	16.46	-0.08	9.62E-01	no
Gm13253	3.53	3.27	-0.11	9.62E-01	no
Gm7904	0.94	0.85	-0.14	9.62E-01	no
Slc12a5	0.10	0.09	-0.17	9.62E-01	no
Cebpd	0.24	0.22	-0.18	9.62E-01	no
Ttyh1	0.17	0.15	-0.18	9.62E-01	no
Gbx2	0.19	0.16	-0.21	9.62E-01	no
Acta1	0.15	0.12	-0.32	9.62E-01	no
Hist1h2bc	2.99	3.23	0.11	9.62E-01	no
Atm	14.35	14.79	0.04	9.62E-01	no
Ppp4r2	21.58	20.87	-0.05	9.62E-01	no
Samsn1	10.94	10.43	-0.07	9.62E-01	no
Apol10b	0.04	0.06	0.48	9.62E-01	no
Ankrd34a	0.04	0.06	0.37	9.62E-01	no
H2-DMb1	3.29	3.53	0.10	9.62E-01	no
Spag4	1.47	1.36	-0.11	9.62E-01	no
Spem1	0.16	0.13	-0.37	9.62E-01	no
Sycp3	0.20	0.24	0.28	9.62E-01	no

Rpl9	6.47	6.91	0.10	9.62E-01	no
Dync1li2	20.76	20.10	-0.05	9.62E-01	no
Gm6623	5.65	5.36	-0.08	9.62E-01	no
4930524L23Ri	0.20	0.49	1.27	9.63E-01	no
Dok4	0.50	1.07	1.11	9.63E-01	no
Pcp2	0.09	0.15	0.69	9.63E-01	no
Nbl1	0.04	0.06	0.55	9.63E-01	no
Arg2	0.15	0.19	0.28	9.63E-01	no
Rpl27	13.13	13.87	0.08	9.63E-01	no
Hacl1	4.49	4.74	0.08	9.63E-01	no
Srek1ip1	12.26	12.87	0.07	9.63E-01	no
Mterfd1	18.07	18.87	0.06	9.63E-01	no
Vps52	24.82	25.65	0.05	9.63E-01	no
Lamc1	12.60	13.00	0.05	9.63E-01	no
Ddx6	82.39	83.97	0.03	9.63E-01	no
Ptprcap	143.38	139.10	-0.04	9.63E-01	no
Hsd17b12	24.31	23.40	-0.06	9.63E-01	no
Fundc2	13.92	13.38	-0.06	9.63E-01	no
2310079F23Ri	5.40	5.15	-0.07	9.63E-01	no
Rnaseh1	11.87	11.32	-0.07	9.63E-01	no
6530401N04Ri	3.65	3.44	-0.08	9.63E-01	no
Marveld1	0.64	0.59	-0.12	9.63E-01	no
N6amt2	2.05	1.88	-0.12	9.63E-01	no
Rasgef1a	0.14	0.12	-0.20	9.63E-01	no
Kcnq4	0.10	0.08	-0.28	9.63E-01	no
Prm1	0.36	0.27	-0.40	9.63E-01	no
Rorc	0.05	0.04	-0.40	9.63E-01	no
C1ql3	0.04	0.03	-0.50	9.63E-01	no
Ccr4	0.04	0.03	-0.51	9.63E-01	no
Cstf2t	23.46	22.73	-0.05	9.63E-01	no
Nat1	0.22	0.26	0.25	9.63E-01	no
Ddx41	33.08	34.16	0.05	9.63E-01	no
Ralgps1	5.76	5.48	-0.07	9.63E-01	no
Prdx2	62.77	60.67	-0.05	9.63E-01	no
Tmem88	0.27	0.07	-2.05	9.63E-01	no
Slc23a3	0.20	0.23	0.20	9.63E-01	no
Zfyve21	7.04	6.62	-0.09	9.63E-01	no
2210408I21Rik	1.42	1.53	0.11	9.63E-01	no
Rnase9	0.25	0.29	0.25	9.63E-01	no
Ficd	2.64	2.79	0.08	9.63E-01	no
Camk2g	11.60	12.01	0.05	9.63E-01	no
1700123I01Rik	0.11	0.09	-0.36	9.63E-01	no

Uqcrb	42.45	40.54	-0.07	9.63E-01	no
Kcnn1	0.04	0.05	0.32	9.64E-01	no
2310061I04Rik	16.53	15.78	-0.07	9.64E-01	no
Anapc10	3.87	3.66	-0.08	9.64E-01	no
2900060B14Ri	0.44	0.36	-0.29	9.64E-01	no
4933431E20Ri	0.02	0.03	0.44	9.64E-01	no
BC048355	15.75	15.00	-0.07	9.64E-01	no
Lym5	6.52	6.91	0.08	9.64E-01	no
Fam155a	0.01	0.02	0.70	9.64E-01	no
Tcam1	1.30	1.39	0.10	9.64E-01	no
1600002K03Ri	8.45	8.98	0.09	9.64E-01	no
Tmem55a	9.12	9.56	0.07	9.64E-01	no
Nfkbib	9.89	10.34	0.06	9.64E-01	no
Zscan29	9.36	9.68	0.05	9.64E-01	no
Apaf1	21.81	21.26	-0.04	9.64E-01	no
Myc	42.29	41.21	-0.04	9.64E-01	no
Gtl3	21.98	21.10	-0.06	9.64E-01	no
Fktn	2.49	2.35	-0.09	9.64E-01	no
C030016D13Ri	0.64	0.59	-0.13	9.64E-01	no
Caskin1	0.13	0.12	-0.14	9.64E-01	no
Cbln3	0.08	0.07	-0.22	9.64E-01	no
Ndn	0.16	0.13	-0.28	9.64E-01	no
Ttc30a2	1.43	1.53	0.10	9.64E-01	no
Was	37.05	35.92	-0.04	9.64E-01	no
Yif1b	21.98	21.10	-0.06	9.64E-01	no
0610037L13Ril	10.35	9.86	-0.07	9.64E-01	no
Arpc1a	34.70	35.88	0.05	9.64E-01	no
Abhd8	19.98	19.27	-0.05	9.64E-01	no
Aebp1	0.05	0.06	0.27	9.64E-01	no
Nos1ap	0.17	0.19	0.22	9.64E-01	no
Celf3	0.20	0.22	0.16	9.64E-01	no
C8g	0.56	0.63	0.16	9.64E-01	no
Lzts1	0.32	0.36	0.15	9.64E-01	no
Nhlrc1	0.32	0.35	0.15	9.64E-01	no
Decr1	5.03	5.29	0.07	9.64E-01	no
Stxbp3a	9.50	9.94	0.06	9.64E-01	no
Rpusd4	14.47	15.07	0.06	9.64E-01	no
Apc	15.47	15.03	-0.04	9.64E-01	no
Tpp2	30.32	29.44	-0.04	9.64E-01	no
Srf	16.69	16.17	-0.05	9.64E-01	no
Reep5	25.80	24.97	-0.05	9.64E-01	no
Ndufb5	34.21	32.90	-0.06	9.64E-01	no

Mettl5	11.87	11.25	-0.08	9.64E-01	no
2010000I03Rik	2.84	2.68	-0.08	9.64E-01	no
Xylt2	5.72	5.98	0.06	9.65E-01	no
Stim1	20.11	20.75	0.05	9.65E-01	no
Mest	0.99	1.07	0.11	9.65E-01	no
E230008N13Ri	0.03	0.02	-0.35	9.65E-01	no
1-Sep	42.45	41.13	-0.05	9.65E-01	no
Ubxn2b	5.03	4.82	-0.06	9.65E-01	no
Tal1	0.59	0.55	-0.11	9.65E-01	no
Rab4b	23.38	24.31	0.06	9.65E-01	no
Bbs9	6.93	6.65	-0.06	9.65E-01	no
Klhl35	0.06	0.07	0.40	9.65E-01	no
Gpr161	0.09	0.11	0.32	9.65E-01	no
Zfp957	0.27	0.29	0.14	9.65E-01	no
Fbxl6	22.62	23.44	0.05	9.65E-01	no
Angel2	33.58	32.75	-0.04	9.65E-01	no
Ccdc96	0.22	0.20	-0.14	9.65E-01	no
Pla2g10	0.17	0.14	-0.35	9.65E-01	no
Mtss1l	0.14	0.15	0.14	9.65E-01	no
2700078K21Ri	18.45	19.21	0.06	9.65E-01	no
C030046E11Ri	14.75	14.31	-0.04	9.65E-01	no
Bhlha15	2.57	2.72	0.08	9.65E-01	no
Irf8	50.18	51.63	0.04	9.65E-01	no
Cttnbp2	0.02	0.02	0.37	9.65E-01	no
Tmem38a	0.69	0.75	0.12	9.65E-01	no
Lipo1	11.52	12.00	0.06	9.65E-01	no
Strn4	26.16	25.50	-0.04	9.65E-01	no
Nek4	5.37	5.12	-0.07	9.65E-01	no
Gm10767	6.92	6.56	-0.08	9.65E-01	no
Gm3417	0.94	0.85	-0.14	9.65E-01	no
1700019B03Ri	0.11	0.08	-0.35	9.65E-01	no
Col19a1	0.02	0.02	-0.35	9.65E-01	no
Mgll	4.33	4.13	-0.07	9.65E-01	no
Cdh22	0.11	0.12	0.18	9.66E-01	no
Abcb8	12.87	12.41	-0.05	9.66E-01	no
Tmbim6	93.38	91.19	-0.03	9.66E-01	no
Fam49a	6.09	5.85	-0.06	9.66E-01	no
Gm10136	31.64	30.18	-0.07	9.66E-01	no
A930004D18R	0.02	0.03	0.89	9.66E-01	no
Solh	12.83	13.28	0.05	9.66E-01	no
Bak1	33.40	34.45	0.04	9.66E-01	no
Ap3s2	11.17	10.82	-0.05	9.66E-01	no

Elp4	4.45	4.24	-0.07	9.66E-01	no
Rdh9	0.04	0.03	-0.54	9.66E-01	no
Mkl2	7.38	9.97	0.43	9.66E-01	no
Thumpd3	22.24	21.49	-0.05	9.66E-01	no
Adam3	0.04	0.03	-0.48	9.66E-01	no
Cxcl10	0.08	0.11	0.41	9.66E-01	no
Zfp36	44.34	45.71	0.04	9.66E-01	no
LOC100302567	6.68	5.73	-0.22	9.66E-01	no
Dynlt1f	0.07	0.04	-0.74	9.66E-01	no
Cdk9	31.88	32.81	0.04	9.66E-01	no
Tusc2	14.31	13.73	-0.06	9.66E-01	no
Atf7	8.58	8.22	-0.06	9.66E-01	no
1700012B15Ri	8.80	9.27	0.08	9.66E-01	no
Tmem86b	13.62	14.26	0.07	9.66E-01	no
Dnajb12	16.44	15.82	-0.05	9.66E-01	no
Med12	19.52	18.98	-0.04	9.67E-01	no
Hspb2	0.09	0.13	0.46	9.67E-01	no
Ankrd13c	16.84	16.26	-0.05	9.67E-01	no
Zfp738	8.07	8.38	0.05	9.67E-01	no
Rpl22	69.00	70.96	0.04	9.67E-01	no
Zfp236	13.77	13.38	-0.04	9.67E-01	no
Slc35a1	9.73	9.30	-0.06	9.67E-01	no
Apcdd1	0.77	0.72	-0.11	9.67E-01	no
Gm9731	0.04	0.06	0.65	9.67E-01	no
Rnf128	0.03	0.05	0.50	9.67E-01	no
Abcd2	0.19	0.21	0.14	9.67E-01	no
6330403A02Ri	0.22	0.24	0.13	9.67E-01	no
Zfp580	1.28	1.39	0.12	9.67E-01	no
Glis2	0.80	0.86	0.10	9.67E-01	no
Apbb2	1.82	1.92	0.08	9.67E-01	no
Pdp2	5.93	6.19	0.06	9.67E-01	no
Kif1b	2.14	2.23	0.06	9.67E-01	no
2810021B07Ri	13.33	13.84	0.05	9.67E-01	no
Arfrp1	17.96	18.55	0.05	9.67E-01	no
Scamp2	30.93	31.89	0.04	9.67E-01	no
Itrip	17.16	17.68	0.04	9.67E-01	no
Fermt3	44.12	45.36	0.04	9.67E-01	no
Pdia3	57.95	59.57	0.04	9.67E-01	no
Nckap1l	52.90	54.37	0.04	9.67E-01	no
Wsb1	56.07	54.69	-0.04	9.67E-01	no
Med15	26.51	25.84	-0.04	9.67E-01	no
Trim44	31.24	30.40	-0.04	9.67E-01	no

Ythdc1	35.91	34.91	-0.04	9.67E-01	no
Mat2b	39.10	37.98	-0.04	9.67E-01	no
Cecr2	61.16	59.38	-0.04	9.67E-01	no
Arih2	16.40	15.90	-0.04	9.67E-01	no
Ttll12	15.02	14.55	-0.05	9.67E-01	no
Sufu	16.08	15.55	-0.05	9.67E-01	no
Erp44	18.85	18.21	-0.05	9.67E-01	no
Dhx35	9.61	9.25	-0.05	9.67E-01	no
Mfsd7b	7.32	7.04	-0.06	9.67E-01	no
Tmem219	14.13	13.50	-0.07	9.67E-01	no
Ict1	19.40	18.54	-0.07	9.67E-01	no
Qtrt1	9.76	9.30	-0.07	9.67E-01	no
A430033K04Ri	4.43	4.22	-0.07	9.67E-01	no
Shq1	4.74	4.50	-0.07	9.67E-01	no
4931440F15Ri	2.36	2.23	-0.08	9.67E-01	no
Fbxo36	1.31	1.20	-0.12	9.67E-01	no
Garnl3	0.10	0.09	-0.23	9.67E-01	no
Slc6a17	0.04	0.03	-0.24	9.67E-01	no
Pate2	0.13	0.11	-0.25	9.67E-01	no
Podxl	0.04	0.03	-0.28	9.67E-01	no
Pkdrej	0.01	0.01	-0.47	9.67E-01	no
3110040N11Ri	8.71	9.20	0.08	9.68E-01	no
Crtc2	22.92	22.22	-0.04	9.68E-01	no
Srpx	0.04	0.03	-0.46	9.68E-01	no
Akr7a5	8.30	7.92	-0.07	9.68E-01	no
Clcn3	16.90	16.48	-0.04	9.68E-01	no
Ccdc107	20.06	19.20	-0.06	9.68E-01	no
Nat9	6.92	6.57	-0.07	9.68E-01	no
Dpp3	30.47	29.60	-0.04	9.68E-01	no
Sec23a	9.64	9.30	-0.05	9.68E-01	no
Wfikkn2	0.13	0.15	0.16	9.68E-01	no
Zfp128	2.33	2.46	0.08	9.68E-01	no
Sc4mol	8.81	9.23	0.07	9.68E-01	no
Mon1a	10.20	10.61	0.06	9.68E-01	no
Zfp26	9.68	9.41	-0.04	9.68E-01	no
Mrpl33	30.73	29.32	-0.07	9.68E-01	no
Clrn3	0.04	0.02	-0.54	9.68E-01	no
Fam109a	3.63	3.82	0.07	9.68E-01	no
E030024N20Ri	0.06	0.07	0.20	9.68E-01	no
Meis1	2.59	2.45	-0.08	9.68E-01	no
Urgcp	5.29	5.48	0.05	9.69E-01	no
Gpr31c	0.05	0.07	0.64	9.69E-01	no

Il17rd	0.01	0.02	0.38	9.69E-01	no
4930432K21Ri	0.58	0.63	0.12	9.69E-01	no
Hif1an	16.61	17.08	0.04	9.69E-01	no
Oprm1	0.02	0.03	0.63	9.69E-01	no
Asb7	6.72	6.96	0.05	9.69E-01	no
Slc35b2	20.02	20.69	0.05	9.69E-01	no
Slc4a7	18.09	18.61	0.04	9.69E-01	no
Mios	15.09	14.62	-0.05	9.69E-01	no
Dtwd1	6.94	6.59	-0.07	9.69E-01	no
Ube2d1	13.75	14.35	0.06	9.69E-01	no
Chchd4	14.78	15.43	0.06	9.69E-01	no
Dync1h1	30.60	31.46	0.04	9.69E-01	no
Twistnb	16.20	15.62	-0.05	9.69E-01	no
BC031181	31.63	30.47	-0.05	9.69E-01	no
Lym1	1.29	1.19	-0.11	9.69E-01	no
Nrg2	0.24	0.21	-0.15	9.69E-01	no
1810010H24Ri	0.31	0.27	-0.22	9.69E-01	no
Ak7	0.06	0.07	0.26	9.69E-01	no
Spnb3	0.23	0.25	0.10	9.69E-01	no
Cd3e	0.07	0.05	-0.45	9.70E-01	no
Pde6d	18.37	17.64	-0.06	9.70E-01	no
Kcnk10	0.98	0.92	-0.10	9.70E-01	no
Clasrp	17.96	18.55	0.05	9.70E-01	no
D830046C22Ri	0.37	0.93	1.31	9.70E-01	no
Fam161a	0.24	0.26	0.16	9.70E-01	no
Eftud1	8.30	8.59	0.05	9.70E-01	no
Apold1	2.26	2.14	-0.08	9.70E-01	no
Cort	0.73	0.83	0.19	9.70E-01	no
Ifit2	9.61	9.95	0.05	9.70E-01	no
Mgea5	47.97	46.73	-0.04	9.70E-01	no
Zfp623	2.21	2.09	-0.08	9.70E-01	no
Serf1	5.66	5.32	-0.09	9.70E-01	no
Atp2c2	0.07	0.06	-0.25	9.70E-01	no
Clip3	0.07	0.08	0.24	9.70E-01	no
C030048B08Ri	7.92	8.26	0.06	9.70E-01	no
Ssbp4	20.49	21.20	0.05	9.70E-01	no
C1galt1	65.64	67.42	0.04	9.70E-01	no
1110049F12Ri	19.08	18.40	-0.05	9.70E-01	no
Fam122a	11.16	10.70	-0.06	9.70E-01	no
Nefh	2.17	2.07	-0.07	9.70E-01	no
Nipal1	0.03	0.02	-0.46	9.70E-01	no
Rab5b	37.72	36.72	-0.04	9.70E-01	no

2810021J22RiI	3.02	3.16	0.06	9.70E-01	no
Commd3	32.95	34.18	0.05	9.70E-01	no
Gcom1	5.18	4.93	-0.07	9.71E-01	no
Dynlt1b	0.43	0.49	0.19	9.71E-01	no
Evi2b	16.03	16.89	0.08	9.71E-01	no
Slc16a3	0.73	0.68	-0.11	9.71E-01	no
Tbce	15.33	15.90	0.05	9.71E-01	no
Prkcsh	31.85	30.96	-0.04	9.71E-01	no
Dnm1	0.02	0.03	0.47	9.71E-01	no
Zfp784	3.68	3.87	0.07	9.71E-01	no
Xpr1	12.67	13.03	0.04	9.71E-01	no
Cltc	60.73	62.33	0.04	9.71E-01	no
Cdr2l	0.02	0.03	0.47	9.71E-01	no
Tnfaip8l3	0.09	0.10	0.29	9.71E-01	no
Tlr8	0.18	0.20	0.16	9.71E-01	no
Bcl3	2.49	2.64	0.08	9.71E-01	no
B3gnt1	4.63	4.86	0.07	9.71E-01	no
Cars2	11.32	11.76	0.06	9.71E-01	no
Zfp330	27.62	28.51	0.05	9.71E-01	no
Rnase11	0.21	0.26	0.31	9.71E-01	no
4930483J18RiI	0.13	0.16	0.30	9.71E-01	no
Shroom4	0.06	0.07	0.21	9.71E-01	no
A530054K11Ri	8.66	8.95	0.05	9.71E-01	no
Rpl24	94.47	91.81	-0.04	9.71E-01	no
Tchp	10.88	10.52	-0.05	9.71E-01	no
Fbxl22	1.71	1.62	-0.08	9.71E-01	no
9930111J21RiI	10.53	9.93	-0.08	9.71E-01	no
Zfp142	8.37	7.73	-0.11	9.71E-01	no
Ifitm5	0.51	0.45	-0.18	9.71E-01	no
Gm7187	0.27	0.24	-0.18	9.71E-01	no
Pkp2	0.12	0.11	-0.19	9.71E-01	no
Ctla4	0.06	0.04	-0.51	9.71E-01	no
3110007F17Ri	1.24	1.35	0.12	9.71E-01	no
Scarna13	1.57	1.76	0.17	9.72E-01	no
Alg11	6.65	6.98	0.07	9.72E-01	no
Nsa2	15.67	16.20	0.05	9.72E-01	no
Rbm18	15.26	15.76	0.05	9.72E-01	no
Ssu72	28.27	29.17	0.05	9.72E-01	no
Pcsk7	13.52	13.92	0.04	9.72E-01	no
Crbn	16.92	16.46	-0.04	9.72E-01	no
Zfp512	19.66	19.10	-0.04	9.72E-01	no
Zfp87	12.12	11.71	-0.05	9.72E-01	no

Armc9	3.15	3.02	-0.06	9.72E-01	no
Slc46a3	1.40	1.32	-0.09	9.72E-01	no
3300002108Rik	0.87	0.78	-0.15	9.72E-01	no
Dgat2	0.54	0.50	-0.11	9.72E-01	no
Ndnl2	12.43	12.94	0.06	9.72E-01	no
Rarb	0.63	0.58	-0.10	9.72E-01	no
Stx19	0.32	0.36	0.17	9.72E-01	no
Mmp13	1.13	1.20	0.09	9.72E-01	no
Napsa	30.82	31.77	0.04	9.72E-01	no
Fkrp	12.40	12.00	-0.05	9.72E-01	no
Ccdc75	4.53	4.35	-0.06	9.72E-01	no
Ift57	5.28	5.04	-0.06	9.72E-01	no
Ccr2	3.02	2.87	-0.07	9.72E-01	no
Igfbp5	0.03	0.02	-0.31	9.72E-01	no
Lrch2	0.03	0.02	-0.51	9.72E-01	no
Ptgs2	0.03	0.02	-0.51	9.72E-01	no
Syt15	0.05	0.06	0.27	9.72E-01	no
Ddx25	0.15	0.17	0.23	9.72E-01	no
B930003M22R	1.04	1.13	0.11	9.72E-01	no
C430048L16Ri	17.43	17.95	0.04	9.72E-01	no
1110038D17Ri	11.62	11.24	-0.05	9.72E-01	no
Stard6	1.08	1.00	-0.11	9.72E-01	no
Rin2	0.66	0.62	-0.09	9.72E-01	no
Tm9sf2	36.45	35.50	-0.04	9.72E-01	no
Atp6v0e	36.90	35.59	-0.05	9.72E-01	no
Arhgap12	11.97	11.65	-0.04	9.72E-01	no
0610009O20Ri	22.99	22.34	-0.04	9.72E-01	no
Ccdc45	12.41	12.02	-0.05	9.73E-01	no
Prmt10	14.15	13.70	-0.05	9.73E-01	no
Hagh	5.56	5.84	0.07	9.73E-01	no
Mterfd3	12.38	11.90	-0.06	9.73E-01	no
Crygn	0.27	0.32	0.27	9.73E-01	no
Hdgfrp3	2.21	2.32	0.07	9.73E-01	no
Manbal	14.74	15.34	0.06	9.73E-01	no
2700078E11Ri	20.02	20.50	0.03	9.73E-01	no
Ccdc36	0.43	0.40	-0.11	9.73E-01	no
Irf3	28.27	27.49	-0.04	9.73E-01	no
Tmem111	27.32	26.54	-0.04	9.73E-01	no
Tpte	0.04	0.03	-0.50	9.73E-01	no
Ccdc12	30.77	31.82	0.05	9.73E-01	no
Notch3	0.15	0.16	0.11	9.73E-01	no
Lrrc68	17.34	17.83	0.04	9.73E-01	no

Lilrb3	0.56	0.52	-0.10	9.73E-01	no
Nme5	0.10	0.14	0.45	9.74E-01	no
Pip5k1l	0.05	0.07	0.45	9.74E-01	no
1700019E19Ri	0.14	0.18	0.41	9.74E-01	no
Anpep	0.05	0.06	0.26	9.74E-01	no
Sqrdl	0.47	0.52	0.12	9.74E-01	no
A330069E16Ri	0.95	1.03	0.12	9.74E-01	no
Samd14	0.24	0.26	0.12	9.74E-01	no
Prss16	1.01	1.08	0.09	9.74E-01	no
2310028H24Ri	4.11	4.30	0.07	9.74E-01	no
Pik3r2	12.06	12.43	0.04	9.74E-01	no
Zfp800	14.55	14.98	0.04	9.74E-01	no
Btbd7	11.61	11.95	0.04	9.74E-01	no
Gigyf2	19.38	19.78	0.03	9.74E-01	no
Atp11b	32.87	32.08	-0.04	9.74E-01	no
Per1	8.41	8.17	-0.04	9.74E-01	no
Akap1	10.53	10.22	-0.04	9.74E-01	no
Fastkd2	9.36	9.04	-0.05	9.74E-01	no
Yrdc	15.67	15.12	-0.05	9.74E-01	no
Zkscan5	5.61	5.41	-0.05	9.74E-01	no
Nek1	5.77	5.56	-0.05	9.74E-01	no
Trit1	9.33	8.98	-0.06	9.74E-01	no
Brf2	9.52	9.12	-0.06	9.74E-01	no
Zfp768	4.35	4.16	-0.07	9.74E-01	no
Senp8	2.84	2.71	-0.07	9.74E-01	no
Nhsl2	0.58	0.55	-0.07	9.74E-01	no
Ovgp1	1.77	1.67	-0.08	9.74E-01	no
C1ra	0.57	0.53	-0.10	9.74E-01	no
Snai3	0.13	0.11	-0.24	9.74E-01	no
Hoxb5	0.10	0.08	-0.30	9.74E-01	no
Nxn1l	0.06	0.05	-0.30	9.74E-01	no
Fam166a	0.12	0.10	-0.30	9.74E-01	no
Scarna3a	1.40	1.11	-0.34	9.74E-01	no
Pcdh17	0.01	0.01	-0.41	9.74E-01	no
Vmn2r1	0.02	0.02	-0.61	9.74E-01	no
Srprb	17.89	18.41	0.04	9.74E-01	no
Zfp687	16.02	16.44	0.04	9.74E-01	no
LOC100134990	2.19	2.34	0.10	9.74E-01	no
Wdr5b	10.11	9.71	-0.06	9.74E-01	no
Gm4971	0.10	0.12	0.34	9.74E-01	no
Pkd1l2	0.02	0.03	0.26	9.74E-01	no
Igfbp1	27.35	28.17	0.04	9.74E-01	no

Zranb1	21.27	20.64	-0.04	9.74E-01	no
Prkab1	16.80	16.28	-0.05	9.74E-01	no
Srcrb4d	0.42	0.39	-0.11	9.74E-01	no
Slc16a6	7.79	8.04	0.05	9.74E-01	no
Dhrs2	0.13	0.16	0.26	9.74E-01	no
Cyb561d2	6.80	7.10	0.06	9.74E-01	no
Khynyn	25.10	25.73	0.04	9.74E-01	no
Foxk1	14.98	15.35	0.04	9.74E-01	no
Adar	27.55	28.05	0.03	9.74E-01	no
Tmem131	26.01	25.40	-0.03	9.74E-01	no
Phf1	12.96	12.55	-0.05	9.74E-01	no
Thap4	13.08	12.66	-0.05	9.74E-01	no
Zpbp	0.71	0.66	-0.10	9.74E-01	no
Dnajb3	1.70	1.59	-0.10	9.74E-01	no
Gm14005	0.35	0.30	-0.23	9.74E-01	no
Trpc6	0.03	0.02	-0.41	9.74E-01	no
Nudcd3	27.54	26.87	-0.04	9.74E-01	no
3110043O21Ri	2.46	2.34	-0.07	9.74E-01	no
Glis1	0.07	0.06	-0.24	9.74E-01	no
Arntl2	0.05	0.06	0.43	9.74E-01	no
Bfsp1	0.12	0.14	0.19	9.74E-01	no
Lipt1	2.30	2.43	0.08	9.74E-01	no
Phax	15.33	15.83	0.05	9.74E-01	no
Tox4	25.28	25.91	0.04	9.74E-01	no
Tlr6	3.37	3.21	-0.07	9.74E-01	no
Ptrh1	2.20	2.07	-0.09	9.74E-01	no
Rps6ka6	0.10	0.09	-0.18	9.74E-01	no
Bglap-rs1	0.09	0.06	-0.61	9.74E-01	no
Il17c	0.38	0.33	-0.21	9.74E-01	no
Smarca1	0.03	0.04	0.31	9.74E-01	no
Plekha7	0.52	0.55	0.09	9.74E-01	no
Krtcap2	37.03	38.46	0.05	9.74E-01	no
4930525F21Ri	0.06	0.05	-0.40	9.74E-01	no
Wwc2	4.54	4.70	0.05	9.74E-01	no
Nfe2	2.10	1.98	-0.08	9.74E-01	no
Ern1	3.86	3.71	-0.06	9.75E-01	no
Klhl30	0.06	0.07	0.25	9.75E-01	no
Cd82	16.48	17.00	0.05	9.75E-01	no
Gcdh	12.64	12.24	-0.05	9.75E-01	no
4931428F04Ri	5.46	5.26	-0.05	9.75E-01	no
Thbs1	0.21	0.19	-0.11	9.75E-01	no
Vwa1	0.06	0.05	-0.26	9.75E-01	no

Chrn4	0.03	0.02	-0.40	9.75E-01	no
Rps10	601.24	587.28	-0.03	9.75E-01	no
Selk	13.97	13.41	-0.06	9.75E-01	no
Abca13	0.02	0.02	0.21	9.75E-01	no
2310046O06Ri	9.88	9.57	-0.05	9.75E-01	no
Gpatch1	7.14	6.90	-0.05	9.75E-01	no
Chit1	0.09	0.07	-0.29	9.75E-01	no
Rab35	33.16	34.02	0.04	9.75E-01	no
Ifngr1	22.71	22.07	-0.04	9.75E-01	no
Rraga	24.87	24.14	-0.04	9.75E-01	no
Nrbf2	18.09	17.53	-0.05	9.75E-01	no
Tiam2	2.12	2.04	-0.06	9.75E-01	no
Camk4	0.23	0.22	-0.09	9.75E-01	no
Tmem19	10.24	10.57	0.05	9.75E-01	no
4632427E13Ri	1.11	1.03	-0.12	9.75E-01	no
Arnt	19.90	19.46	-0.03	9.76E-01	no
Sugp1	16.27	16.74	0.04	9.76E-01	no
Gm8817	0.15	0.20	0.42	9.76E-01	no
Efcab9	1.21	1.31	0.11	9.76E-01	no
Atp1a1	39.86	40.79	0.03	9.76E-01	no
Tmem184c	16.91	16.43	-0.04	9.76E-01	no
Rpl15	18.64	18.05	-0.05	9.76E-01	no
Epb4.1l3	0.08	0.08	-0.17	9.76E-01	no
Rbm26	25.08	24.48	-0.03	9.76E-01	no
Slc25a19	13.10	12.64	-0.05	9.76E-01	no
Tmem41b	9.48	9.18	-0.05	9.77E-01	no
Gprc5b	1.25	2.07	0.73	9.77E-01	no
Rala	18.87	18.35	-0.04	9.78E-01	no
Bag2	7.28	7.57	0.06	9.78E-01	no
Fam183b	0.43	0.36	-0.28	9.78E-01	no
Plbd1	0.98	1.04	0.09	9.78E-01	no
C1qtnf1	0.08	0.09	0.21	9.78E-01	no
Prss36	0.73	0.77	0.08	9.78E-01	no
Rftn1	23.93	24.53	0.04	9.78E-01	no
4933439F18Ri	17.59	17.16	-0.04	9.78E-01	no
Usp11	25.16	24.56	-0.03	9.78E-01	no
Lyplal1	0.74	0.69	-0.11	9.78E-01	no
Nipbl	52.34	51.30	-0.03	9.78E-01	no
Akap8l	20.94	20.37	-0.04	9.79E-01	no
Gp1bb	0.02	0.03	0.77	9.79E-01	no
Trim46	0.36	0.39	0.11	9.79E-01	no
Ptger3	0.05	0.04	-0.38	9.79E-01	no

Lrrc34	0.05	0.06	0.40	9.79E-01	no
Sfrp2	0.06	0.07	0.27	9.79E-01	no
Trem2	0.13	0.15	0.26	9.79E-01	no
Ankrd42	0.05	0.06	0.24	9.79E-01	no
Scgb3a1	0.44	0.51	0.21	9.79E-01	no
Tnfsf4	0.19	0.21	0.18	9.79E-01	no
Zswim5	0.06	0.07	0.17	9.79E-01	no
1700061G19Ri	0.24	0.26	0.12	9.79E-01	no
Ggt5	0.50	0.54	0.09	9.79E-01	no
Mthfs	6.78	7.11	0.07	9.79E-01	no
Srrd	5.96	6.23	0.06	9.79E-01	no
Mks1	3.13	3.27	0.06	9.79E-01	no
AU022252	4.80	5.00	0.06	9.79E-01	no
Bad	10.46	10.84	0.05	9.79E-01	no
Yipf1	17.91	18.52	0.05	9.79E-01	no
BC023814	14.06	14.46	0.04	9.79E-01	no
Minpp1	18.45	18.94	0.04	9.79E-01	no
Efhd2	23.01	23.60	0.04	9.79E-01	no
Tmem55b	34.54	35.35	0.03	9.79E-01	no
Smg1	37.32	38.20	0.03	9.79E-01	no
Szt2	17.50	17.13	-0.03	9.79E-01	no
Becn1	41.95	40.99	-0.03	9.79E-01	no
Fem1c	22.51	21.94	-0.04	9.79E-01	no
Zfand6	36.81	35.87	-0.04	9.79E-01	no
Taf8	16.50	16.07	-0.04	9.79E-01	no
Twf1	12.17	11.82	-0.04	9.79E-01	no
Bscl2	14.71	14.29	-0.04	9.79E-01	no
BC017158	11.72	11.37	-0.04	9.79E-01	no
Dhodh	9.55	9.24	-0.05	9.79E-01	no
Rab11fip1	1.97	1.90	-0.05	9.79E-01	no
Snopc5	18.46	17.78	-0.05	9.79E-01	no
Zfp862	2.15	2.07	-0.06	9.79E-01	no
Pusl1	9.02	8.67	-0.06	9.79E-01	no
Top1mt	3.16	3.02	-0.07	9.79E-01	no
E330009J07RiI	3.22	3.07	-0.07	9.79E-01	no
Slfn4	1.59	1.52	-0.07	9.79E-01	no
Trim62	1.20	1.14	-0.07	9.79E-01	no
Cdkl5	1.26	1.20	-0.07	9.79E-01	no
Fads3	1.35	1.27	-0.08	9.79E-01	no
Clec11a	0.26	0.24	-0.14	9.79E-01	no
0610040J01RiI	0.19	0.17	-0.16	9.79E-01	no
Cpeb3	0.08	0.07	-0.16	9.79E-01	no

Bmp8a	0.11	0.09	-0.23	9.79E-01	no
Doc2b	0.04	0.03	-0.27	9.79E-01	no
Klrc2	0.15	0.11	-0.43	9.79E-01	no
Tspan1	0.05	0.04	-0.45	9.79E-01	no
Hist2h2aa2	0.91	0.54	-0.74	9.79E-01	no
Ccnyl1	3.46	3.32	-0.06	9.79E-01	no
Fam19a3	0.04	0.05	0.23	9.79E-01	no
Carf	3.24	3.38	0.06	9.79E-01	no
Tmed9	45.80	46.90	0.03	9.79E-01	no
Armc10	25.48	24.82	-0.04	9.79E-01	no
Awat2	0.76	0.71	-0.10	9.79E-01	no
Marcksl1-ps4	0.37	0.33	-0.16	9.79E-01	no
Mmp23	0.18	0.15	-0.19	9.79E-01	no
Psph	10.15	10.51	0.05	9.79E-01	no
Creb3l4	0.12	0.11	-0.22	9.79E-01	no
Dgat1	8.31	8.63	0.05	9.79E-01	no
Vdr	0.10	0.09	-0.15	9.79E-01	no
Ager	2.45	2.33	-0.07	9.79E-01	no
Praf2	8.42	8.76	0.06	9.79E-01	no
Fbxl2	0.34	0.32	-0.10	9.79E-01	no
Eif2c3	4.55	4.69	0.04	9.79E-01	no
Mtap1b	0.01	0.01	0.30	9.79E-01	no
Josd2	15.88	16.47	0.05	9.79E-01	no
Slc4a2	17.04	17.45	0.03	9.79E-01	no
Taf10	46.67	45.41	-0.04	9.79E-01	no
Aimp1	29.62	28.79	-0.04	9.79E-01	no
Upf3a	16.29	15.80	-0.04	9.79E-01	no
Rpusd2	5.40	5.24	-0.04	9.79E-01	no
Ighmbp2	4.41	4.27	-0.04	9.79E-01	no
Sult2b1	0.58	0.63	0.11	9.80E-01	no
Mbip	11.41	11.82	0.05	9.80E-01	no
Coq9	12.64	13.05	0.05	9.80E-01	no
Fam116b	4.90	5.06	0.05	9.80E-01	no
Zfp386	23.70	24.31	0.04	9.80E-01	no
Atl3	33.26	32.62	-0.03	9.80E-01	no
Pitrm1	22.61	22.10	-0.03	9.80E-01	no
Ogfod2	11.34	10.96	-0.05	9.80E-01	no
Znrd1	27.04	26.14	-0.05	9.80E-01	no
Rabepk	9.39	9.07	-0.05	9.80E-01	no
Arl2	14.72	14.19	-0.05	9.80E-01	no
Vmn2r97	0.05	0.04	-0.43	9.80E-01	no
Ccdc141	0.11	0.10	-0.11	9.80E-01	no

Lancl3	0.03	0.02	-0.43	9.80E-01	no
4930550C14Ri	0.19	0.17	-0.21	9.80E-01	no
Nexn	0.08	0.07	-0.22	9.80E-01	no
Hoxa4	0.73	0.78	0.09	9.80E-01	no
Gtpbp3	10.81	10.50	-0.04	9.80E-01	no
Fcer1a	0.10	0.08	-0.42	9.80E-01	no
Rnf31	16.89	17.30	0.03	9.80E-01	no
Slc44a1	4.42	4.60	0.05	9.80E-01	no
Slc25a11	29.60	30.35	0.04	9.80E-01	no
Ctdnep1	34.48	35.31	0.03	9.80E-01	no
Ak3	37.99	38.84	0.03	9.80E-01	no
Wdr20a	12.56	12.20	-0.04	9.80E-01	no
Gabre	0.07	0.08	0.19	9.80E-01	no
Cirbp	29.54	30.36	0.04	9.80E-01	no
C1galt1c1	8.48	8.81	0.06	9.80E-01	no
Mto1	10.25	10.57	0.04	9.80E-01	no
Zfp407	8.50	8.70	0.03	9.80E-01	no
Fkbp15	16.06	16.43	0.03	9.80E-01	no
Sae1	74.63	73.07	-0.03	9.80E-01	no
Ttc19	8.25	8.01	-0.04	9.80E-01	no
Gm13611	20.72	19.92	-0.06	9.80E-01	no
Liph	0.13	0.11	-0.24	9.80E-01	no
Hnf4a	0.04	0.03	-0.26	9.80E-01	no
Csta	0.05	0.04	-0.42	9.80E-01	no
Ly86	9.88	10.28	0.06	9.80E-01	no
Hk3	0.66	0.63	-0.08	9.80E-01	no
Pnpla8	15.35	15.72	0.03	9.80E-01	no
Ropn1l	0.64	0.59	-0.12	9.80E-01	no
Sh3bgrl3	100.19	97.94	-0.03	9.80E-01	no
Gm12238	0.75	1.06	0.50	9.81E-01	no
1810037117Rik	30.92	31.85	0.04	9.81E-01	no
Styx	17.49	17.07	-0.03	9.81E-01	no
Nit1	14.20	14.71	0.05	9.81E-01	no
Zkscan2	0.04	0.05	0.22	9.81E-01	no
Slc4a11	0.06	0.07	0.20	9.81E-01	no
Ift52	19.39	19.90	0.04	9.81E-01	no
Brap	16.20	16.58	0.03	9.81E-01	no
Gm15772	124.82	122.01	-0.03	9.81E-01	no
E130308A19Ri	9.94	9.69	-0.04	9.81E-01	no
Mpdu1	24.34	23.67	-0.04	9.81E-01	no
Cry2	6.02	5.84	-0.04	9.81E-01	no
Dmap1	15.43	14.98	-0.04	9.81E-01	no

Nckipsd	4.64	4.48	-0.05	9.81E-01	no
Tmem231	0.24	0.22	-0.11	9.81E-01	no
Gm10125	0.22	0.19	-0.17	9.81E-01	no
Chd3	30.67	31.30	0.03	9.81E-01	no
Asxl1	30.50	31.12	0.03	9.81E-01	no
Klrb1a	0.16	0.13	-0.24	9.81E-01	no
Ccl27b	1.36	1.48	0.12	9.81E-01	no
Chdh	0.24	0.81	1.75	9.81E-01	no
Ccdc89	0.15	0.16	0.15	9.81E-01	no
Gm6524	3.34	3.49	0.06	9.81E-01	no
C87436	9.56	9.83	0.04	9.81E-01	no
Akna	32.36	31.69	-0.03	9.81E-01	no
2310067B10Ri	17.34	16.98	-0.03	9.81E-01	no
Nptn	23.45	22.87	-0.04	9.81E-01	no
Rwdd4a	15.66	15.26	-0.04	9.81E-01	no
Cwf19l2	10.41	10.14	-0.04	9.81E-01	no
Zfp882	5.44	5.28	-0.04	9.81E-01	no
Ets2	9.22	8.97	-0.04	9.82E-01	no
Gm5531	0.05	0.03	-0.40	9.82E-01	no
Gdap1	0.02	0.02	0.40	9.82E-01	no
Acot6	0.23	0.26	0.13	9.82E-01	no
Hgf	0.31	0.33	0.11	9.82E-01	no
Tbc1d13	19.64	20.08	0.03	9.82E-01	no
Urod	22.84	22.21	-0.04	9.82E-01	no
Stx18	11.58	11.22	-0.05	9.82E-01	no
Ptpdc1	2.76	2.66	-0.05	9.82E-01	no
2900005J15Ri	0.09	0.08	-0.25	9.82E-01	no
Serpina3m	0.05	0.04	-0.40	9.82E-01	no
Prdm2	16.32	15.99	-0.03	9.82E-01	no
Rpl34,Rpl34-p	103.90	106.39	0.03	9.82E-01	no
Aatf	16.22	15.78	-0.04	9.82E-01	no
Palm2	0.03	0.03	0.21	9.82E-01	no
Fam71e1	1.05	1.12	0.09	9.82E-01	no
Trex1	13.75	14.19	0.05	9.82E-01	no
Slfn9	15.45	15.09	-0.03	9.82E-01	no
Rbm34	10.59	10.31	-0.04	9.82E-01	no
2810001G20Ri	4.44	4.24	-0.07	9.82E-01	no
Rasl10a	2.34	2.23	-0.07	9.82E-01	no
Ankrd35	0.09	0.08	-0.14	9.82E-01	no
Phf3	22.45	22.90	0.03	9.82E-01	no
Zfp438	2.72	2.83	0.06	9.82E-01	no
Lym2	16.47	15.97	-0.04	9.82E-01	no

Mynn	10.83	11.10	0.04	9.83E-01	no
BC039771	0.10	0.11	0.21	9.83E-01	no
Iffo2	1.03	1.08	0.06	9.83E-01	no
Slc36a4	3.36	3.50	0.06	9.83E-01	no
Tcte3	0.81	0.88	0.12	9.83E-01	no
Zfp295	5.36	5.49	0.04	9.83E-01	no
Sectm1b	0.04	0.03	-0.39	9.83E-01	no
Fam169a	0.62	0.40	-0.64	9.83E-01	no
Bag5	13.10	12.75	-0.04	9.83E-01	no
Fkbp11	1.21	1.13	-0.09	9.83E-01	no
Pabpc4l	0.05	0.06	0.21	9.84E-01	no
Fam57a	0.60	0.65	0.11	9.84E-01	no
Ankrd61	1.37	1.44	0.07	9.84E-01	no
Dusp23	5.40	5.61	0.06	9.84E-01	no
Sacm1l	19.46	19.90	0.03	9.84E-01	no
Ppp1r16b	32.52	33.14	0.03	9.84E-01	no
Ddx42	32.90	32.26	-0.03	9.84E-01	no
Zfc3h1	21.99	21.56	-0.03	9.84E-01	no
Slc25a37	33.65	32.99	-0.03	9.84E-01	no
Mfn2	16.16	15.82	-0.03	9.84E-01	no
Pigo	14.08	13.77	-0.03	9.84E-01	no
Ercc4	5.32	5.19	-0.04	9.84E-01	no
Dhrs1	13.87	13.45	-0.04	9.84E-01	no
Ftsjd1	5.55	5.38	-0.05	9.84E-01	no
Fbxo40	0.11	0.10	-0.16	9.84E-01	no
Gnaz	0.06	0.05	-0.25	9.84E-01	no
Abcc2	0.03	0.03	-0.25	9.84E-01	no
Ccdc154	0.06	0.05	-0.25	9.84E-01	no
Ushbp1	0.04	0.03	-0.25	9.84E-01	no
Vps4b	31.59	32.23	0.03	9.84E-01	no
Golm1	6.79	6.60	-0.04	9.84E-01	no
Cyp27a1	0.59	0.63	0.09	9.84E-01	no
Gm7244	3.51	3.72	0.08	9.84E-01	no
Thap6	4.83	4.98	0.05	9.84E-01	no
Iqcb1	7.90	8.15	0.04	9.84E-01	no
Hsd17b10	30.43	31.26	0.04	9.84E-01	no
Zbtb48	9.33	9.06	-0.04	9.84E-01	no
Gm8801	6.41	6.20	-0.05	9.84E-01	no
Hist1h2bq	0.35	0.33	-0.11	9.84E-01	no
Skap2	20.85	20.33	-0.04	9.84E-01	no
Csf3	0.06	0.08	0.32	9.84E-01	no
Ccdc79	0.05	0.06	0.25	9.84E-01	no

Stradb	11.34	11.66	0.04	9.84E-01	no
Arl6ip5	34.29	33.49	-0.03	9.84E-01	no
Parn	13.98	13.65	-0.04	9.84E-01	no
Nhej1	5.34	5.13	-0.06	9.84E-01	no
Ptk7	0.79	0.75	-0.07	9.84E-01	no
Lin28a	0.04	0.03	-0.26	9.84E-01	no
Slc25a21	0.08	0.07	-0.26	9.84E-01	no
Blvra	9.29	9.61	0.05	9.84E-01	no
BC023829	8.06	7.80	-0.05	9.84E-01	no
Prss39	0.28	0.25	-0.14	9.84E-01	no
Gm1123	0.07	0.06	-0.38	9.84E-01	no
Fkbp14	0.05	0.03	-0.38	9.84E-01	no
Arhgef18	22.76	22.33	-0.03	9.84E-01	no
Ttl	3.37	3.27	-0.05	9.84E-01	no
9-Mar	0.13	0.11	-0.16	9.84E-01	no
Myct1	0.04	0.03	-0.38	9.84E-01	no
Gm16532	0.06	0.04	-0.38	9.84E-01	no
Btd	8.73	9.01	0.04	9.84E-01	no
Dctn6	20.88	21.49	0.04	9.84E-01	no
Ift20	21.60	20.95	-0.04	9.84E-01	no
Slc25a31	0.06	0.04	-0.38	9.84E-01	no
Zfp454	0.04	0.03	-0.38	9.84E-01	no
Fn3krp	5.96	6.16	0.05	9.84E-01	no
Cenpb	39.01	39.76	0.03	9.84E-01	no
Sbno1	27.06	27.57	0.03	9.84E-01	no
Med17	14.49	14.17	-0.03	9.84E-01	no
Nes	0.04	0.03	-0.16	9.84E-01	no
Tnfrsf12a	1.39	0.75	-0.88	9.84E-01	no
Ly6c2	9.15	9.53	0.06	9.84E-01	no
Gja10	0.06	0.07	0.31	9.84E-01	no
9130230L23Ril	0.06	0.07	0.31	9.84E-01	no
Spr	7.23	7.49	0.05	9.84E-01	no
Zcchc11	33.92	34.56	0.03	9.84E-01	no
Usp9x	29.33	28.78	-0.03	9.84E-01	no
Zfp777	13.79	13.48	-0.03	9.84E-01	no
Dcun1d4	3.04	2.94	-0.05	9.84E-01	no
Tox	3.18	3.06	-0.06	9.84E-01	no
Tsx	0.10	0.08	-0.37	9.84E-01	no
Zfp936	0.04	0.05	0.29	9.84E-01	no
Baiap3	0.07	0.13	0.86	9.84E-01	no
Cd300lf	0.36	0.59	0.73	9.84E-01	no
Gpr1	0.04	0.05	0.35	9.84E-01	no

Mab2112	0.03	0.04	0.30	9.84E-01	no
Wdr65	0.03	0.03	0.25	9.84E-01	no
Grb14	0.08	0.09	0.22	9.84E-01	no
Fabp3	0.23	0.26	0.20	9.84E-01	no
9030425E11Ri	0.07	0.08	0.17	9.84E-01	no
Aoah	0.09	0.10	0.16	9.84E-01	no
Pi16	0.43	0.46	0.09	9.84E-01	no
Itgb7	1.58	1.65	0.06	9.84E-01	no
Nmnat3	2.97	3.08	0.05	9.84E-01	no
Tmem67	2.66	2.76	0.05	9.84E-01	no
Trim45	1.64	1.70	0.05	9.84E-01	no
Oma1	7.53	7.77	0.05	9.84E-01	no
Tspan6	12.83	13.22	0.04	9.84E-01	no
Slc25a38	9.30	9.58	0.04	9.84E-01	no
D230037D09R	14.95	15.40	0.04	9.84E-01	no
Dnajc30	14.83	15.26	0.04	9.84E-01	no
Pts	24.29	24.95	0.04	9.84E-01	no
Mettl4	12.85	13.20	0.04	9.84E-01	no
Lass4	9.54	9.78	0.04	9.84E-01	no
Ldlrap1	12.24	12.54	0.03	9.84E-01	no
Pmm2	17.94	18.36	0.03	9.84E-01	no
Abcf3	12.95	13.25	0.03	9.84E-01	no
Ino80c	22.19	22.69	0.03	9.84E-01	no
Cyhr1	22.93	23.43	0.03	9.84E-01	no
rp9	37.08	37.89	0.03	9.84E-01	no
1190005F20Ri	17.64	18.02	0.03	9.84E-01	no
C80913	23.30	23.77	0.03	9.84E-01	no
Rabep1	12.56	12.81	0.03	9.84E-01	no
Asap1	17.02	17.35	0.03	9.84E-01	no
Adam10	47.03	47.90	0.03	9.84E-01	no
Zfp292	22.81	23.23	0.03	9.84E-01	no
Gpi1	56.53	57.53	0.03	9.84E-01	no
Mbnl1	65.31	64.16	-0.03	9.84E-01	no
Zbtb5	14.69	14.43	-0.03	9.84E-01	no
Slc30a5	52.16	51.21	-0.03	9.84E-01	no
Aldh2	49.48	48.57	-0.03	9.84E-01	no
Ppp1r12c	22.32	21.90	-0.03	9.84E-01	no
1200011118Rik	16.28	15.97	-0.03	9.84E-01	no
Ing1	24.35	23.88	-0.03	9.84E-01	no
Tmed8	9.20	9.02	-0.03	9.84E-01	no
Sh3gl1	25.56	25.05	-0.03	9.84E-01	no
Mtr	15.23	14.92	-0.03	9.84E-01	no

Smarcal1	9.41	9.22	-0.03	9.84E-01	no
Slc35e2	8.95	8.77	-0.03	9.84E-01	no
Mavs	15.72	15.40	-0.03	9.84E-01	no
Ergic1	20.52	20.08	-0.03	9.84E-01	no
Tmem170b	9.35	9.15	-0.03	9.84E-01	no
Zbtb9	17.96	17.57	-0.03	9.84E-01	no
Thoc5	16.58	16.20	-0.03	9.84E-01	no
Nmi	21.93	21.42	-0.03	9.84E-01	no
Tor2a	18.94	18.48	-0.04	9.84E-01	no
Zfp213	8.43	8.21	-0.04	9.84E-01	no
BC027231	9.93	9.67	-0.04	9.84E-01	no
Fut4	1.94	1.87	-0.05	9.84E-01	no
Spag1	2.15	2.07	-0.05	9.84E-01	no
Uprt	5.46	5.26	-0.05	9.84E-01	no
Acot1	2.31	2.21	-0.06	9.84E-01	no
Fbxo24	1.56	1.50	-0.06	9.84E-01	no
Gm347	0.44	0.42	-0.07	9.84E-01	no
Rin1	0.25	0.24	-0.08	9.84E-01	no
Hdhd3	0.86	0.81	-0.09	9.84E-01	no
Nrn1l	0.75	0.70	-0.12	9.84E-01	no
Nog	0.19	0.17	-0.13	9.84E-01	no
Car14	0.10	0.09	-0.22	9.84E-01	no
Adap2	0.09	0.07	-0.23	9.84E-01	no
Cyp2d26	0.07	0.06	-0.29	9.84E-01	no
Afp	0.04	0.04	-0.30	9.84E-01	no
Enkur	0.08	0.06	-0.31	9.84E-01	no
Gpr44	0.04	0.03	-0.34	9.84E-01	no
Gm572	0.06	0.05	-0.35	9.84E-01	no
4933400C05Ri	0.07	0.05	-0.35	9.84E-01	no
Chga	0.04	0.03	-0.35	9.84E-01	no
Lrrc3	0.02	0.02	-0.35	9.84E-01	no
Dsg2	0.02	0.01	-0.35	9.84E-01	no
Vnn3	0.05	0.04	-0.36	9.84E-01	no
Gdpd2	0.04	0.03	-0.36	9.84E-01	no
Tmem95	0.16	0.12	-0.36	9.84E-01	no
Mecom	0.02	0.02	-0.36	9.84E-01	no
Tnnc1	0.11	0.08	-0.36	9.84E-01	no
Gbgt1	0.07	0.05	-0.36	9.84E-01	no
Wasf1	0.04	0.03	-0.36	9.84E-01	no
1600029D21Ri	0.05	0.04	-0.36	9.84E-01	no
Piwil4	0.04	0.03	-0.36	9.84E-01	no
Pxt1	0.09	0.07	-0.36	9.84E-01	no

Itga8	0.02	0.01	-0.37	9.84E-01	no
Adcy10	0.02	0.01	-0.37	9.84E-01	no
Ucn2	0.13	0.15	0.21	9.85E-01	no
Zscan12	2.06	2.13	0.05	9.85E-01	no
C1qtnf6	1.06	1.11	0.07	9.85E-01	no
Dhrs3	14.91	14.54	-0.04	9.85E-01	no
Lrig1	0.08	0.08	0.12	9.85E-01	no
1810030N24Ri	12.98	13.40	0.05	9.85E-01	no
Syde1	3.65	3.76	0.04	9.85E-01	no
A930013F10Ri	4.92	4.77	-0.05	9.85E-01	no
D10Bwg1379e	0.01	0.01	-0.35	9.85E-01	no
Sec61g	9.26	8.94	-0.05	9.85E-01	no
Bptf	26.65	27.11	0.03	9.85E-01	no
Kif5a	0.12	0.11	-0.12	9.85E-01	no
Fam83c	0.03	0.03	-0.35	9.85E-01	no
Gcc2	12.53	12.76	0.03	9.85E-01	no
Ncoa3	21.08	21.45	0.03	9.85E-01	no
Asxl2	20.25	19.90	-0.03	9.85E-01	no
Mreg	6.74	6.55	-0.04	9.85E-01	no
Pou1f1	0.10	0.08	-0.35	9.85E-01	no
Zfp418	1.67	1.61	-0.06	9.85E-01	no
Lgals3	2.16	2.25	0.06	9.85E-01	no
Kri1	17.06	17.40	0.03	9.85E-01	no
Lilra6	0.20	0.26	0.38	9.85E-01	no
5033411D12Ri	0.14	0.15	0.15	9.85E-01	no
Sult1a1	0.84	0.89	0.08	9.85E-01	no
Fance	9.51	9.75	0.04	9.85E-01	no
Mrpl24	39.94	40.82	0.03	9.85E-01	no
Uhmk1	23.00	23.48	0.03	9.85E-01	no
Stambpl1	52.04	52.98	0.03	9.85E-01	no
Cx3cl1	0.03	0.02	-0.34	9.85E-01	no
Lrp2bp	0.12	0.11	-0.13	9.85E-01	no
Fndc5	0.03	0.03	-0.29	9.85E-01	no
Avil	0.11	0.12	0.12	9.86E-01	no
1700106N22Ri	1.76	1.84	0.06	9.86E-01	no
Idh2	37.92	38.64	0.03	9.86E-01	no
Commd8	13.49	13.20	-0.03	9.86E-01	no
Rundc3b	2.75	2.84	0.05	9.86E-01	no
Zfp775	3.25	3.35	0.04	9.86E-01	no
Rabl3	8.07	8.30	0.04	9.86E-01	no
Ndufa13	19.60	20.09	0.03	9.86E-01	no
Heg1	13.40	13.66	0.03	9.86E-01	no

Fbxo38	19.24	19.59	0.03	9.86E-01	no
Sdcbp	69.94	70.96	0.02	9.86E-01	no
2310003C23Ri	24.26	23.76	-0.03	9.86E-01	no
Pdcd7	15.88	15.54	-0.03	9.86E-01	no
Nck1	22.20	21.70	-0.03	9.86E-01	no
Actr8	14.48	14.16	-0.03	9.86E-01	no
Tmem179b	34.84	34.01	-0.03	9.86E-01	no
Tmem106c	15.09	14.72	-0.04	9.86E-01	no
Gm7609	2.80	2.69	-0.06	9.86E-01	no
AY074887	3.70	3.55	-0.06	9.86E-01	no
Acta2	0.11	0.10	-0.17	9.86E-01	no
Tm4sf20	0.05	0.06	0.33	9.86E-01	no
Slit2	0.01	0.01	-0.34	9.86E-01	no
Hp	2.25	2.16	-0.06	9.86E-01	no
Gja4	0.09	0.10	0.20	9.86E-01	no
Egfr	0.09	0.10	0.14	9.86E-01	no
BC049715	1.69	1.76	0.06	9.86E-01	no
Rnf121	10.66	10.96	0.04	9.86E-01	no
Rnf103	6.58	6.75	0.04	9.86E-01	no
4933403F05Ri	7.95	8.10	0.03	9.86E-01	no
Eif3e	81.38	82.78	0.02	9.86E-01	no
Dock11	28.77	28.30	-0.02	9.86E-01	no
Usp38	24.42	24.00	-0.02	9.86E-01	no
Rnf115	27.02	26.51	-0.03	9.86E-01	no
Zfp81	9.75	9.49	-0.04	9.86E-01	no
Gpr141	0.48	0.46	-0.07	9.86E-01	no
Hsd17b1	0.21	0.19	-0.14	9.86E-01	no
Ak8	0.15	0.16	0.15	9.86E-01	no
Glod4	15.75	16.09	0.03	9.86E-01	no
Aldh16a1	22.22	22.64	0.03	9.86E-01	no
Cwc27	11.52	11.23	-0.04	9.86E-01	no
Snd1	31.49	30.96	-0.02	9.86E-01	no
Zdhhc22	0.12	0.09	-0.33	9.86E-01	no
Lhfp15	0.07	0.06	-0.33	9.86E-01	no
Pikfyve	5.63	5.74	0.03	9.86E-01	no
Ubr4	25.30	25.73	0.02	9.86E-01	no
H2afy2	0.38	0.36	-0.08	9.86E-01	no
Tmem9b	13.54	13.88	0.04	9.86E-01	no
Btbd9	8.27	8.12	-0.03	9.86E-01	no
Sirt6	14.81	15.13	0.03	9.86E-01	no
Arhgap25	22.48	22.11	-0.02	9.86E-01	no
Tspan9	0.17	0.16	-0.09	9.86E-01	no

Lace1	2.30	2.38	0.05	9.86E-01	no
Muted	8.72	8.49	-0.04	9.86E-01	no
Kcng3	0.03	0.03	0.27	9.86E-01	no
Kctd21	0.92	0.96	0.06	9.86E-01	no
Znhit1	12.37	12.71	0.04	9.87E-01	no
Adnp	44.16	43.45	-0.02	9.87E-01	no
2310005G13Ri	0.09	0.08	-0.18	9.87E-01	no
Klk7	0.05	0.04	-0.33	9.87E-01	no
P2ry14	0.42	0.74	0.82	9.87E-01	no
Gk2	0.23	0.25	0.11	9.87E-01	no
4933403G14Ri	1.48	1.53	0.05	9.87E-01	no
9930104L06Ri	8.48	8.28	-0.03	9.87E-01	no
Sez6l	0.01	0.01	-0.32	9.87E-01	no
2010001M06R	0.77	0.83	0.11	9.87E-01	no
Prdm16	0.50	0.51	0.05	9.87E-01	no
Cd180	20.07	20.47	0.03	9.87E-01	no
Hook3	9.68	9.52	-0.02	9.87E-01	no
Zfp335	17.32	17.03	-0.02	9.87E-01	no
Chmp2a	31.24	30.56	-0.03	9.87E-01	no
Glrx5	30.35	29.68	-0.03	9.87E-01	no
Slc26a2	8.23	8.04	-0.03	9.87E-01	no
Vps29	28.08	27.43	-0.03	9.87E-01	no
Rps19bp1	16.36	15.93	-0.04	9.87E-01	no
Orm1	0.14	0.12	-0.23	9.87E-01	no
Commd5	11.37	11.04	-0.04	9.87E-01	no
Gm8898	0.02	0.03	0.26	9.87E-01	no
Ankrd13a	64.18	63.18	-0.02	9.87E-01	no
Pgs1	15.33	15.02	-0.03	9.87E-01	no
Zkscan16	5.03	4.89	-0.04	9.87E-01	no
Gm1082	0.05	0.04	-0.20	9.87E-01	no
Tnfrsf25	0.05	0.04	-0.32	9.87E-01	no
Spink8	0.14	0.11	-0.32	9.87E-01	no
Efcab2	3.06	3.16	0.05	9.87E-01	no
Gpr22	0.01	0.02	0.38	9.87E-01	no
Acot3	0.03	0.04	0.29	9.87E-01	no
2610034B18Ri	0.04	0.05	0.26	9.87E-01	no
Phkg1	0.05	0.06	0.20	9.87E-01	no
Bmx	0.06	0.07	0.18	9.87E-01	no
Nkpd1	0.06	0.06	0.18	9.87E-01	no
Oas1d	0.12	0.13	0.14	9.87E-01	no
1700065D16Ri	0.17	0.18	0.10	9.87E-01	no
Amacr	2.54	2.62	0.05	9.87E-01	no

Mett5d1	4.27	4.40	0.04	9.87E-01	no
Zfp874a	5.13	5.27	0.04	9.87E-01	no
Pctp	8.61	8.83	0.04	9.87E-01	no
Zfp71-rs1	5.54	5.67	0.04	9.87E-01	no
Poglut1	11.00	11.24	0.03	9.87E-01	no
Prkx	11.29	11.53	0.03	9.87E-01	no
Hsf1	20.60	20.98	0.03	9.87E-01	no
Prdx3	38.21	38.91	0.03	9.87E-01	no
Al848100	11.06	11.26	0.03	9.87E-01	no
Tmem57	16.18	16.47	0.03	9.87E-01	no
Copg2	20.91	21.27	0.02	9.87E-01	no
Rabgap1l	28.81	28.41	-0.02	9.87E-01	no
Zfp36l1	54.78	53.93	-0.02	9.87E-01	no
Ly9	25.13	24.70	-0.02	9.87E-01	no
Mapkap1	20.03	19.69	-0.03	9.87E-01	no
Strn	15.53	15.26	-0.03	9.87E-01	no
Lrrc45	17.41	17.09	-0.03	9.87E-01	no
Psmb9	55.98	54.92	-0.03	9.87E-01	no
Aasdhppt	11.36	11.11	-0.03	9.87E-01	no
Elt1d1	3.54	3.44	-0.04	9.87E-01	no
Mfsd3	4.33	4.21	-0.04	9.87E-01	no
Zfp619	1.79	1.74	-0.04	9.87E-01	no
Lamb3	1.24	1.20	-0.05	9.87E-01	no
Rassf8	1.15	1.10	-0.06	9.87E-01	no
Cdnf	0.44	0.42	-0.07	9.87E-01	no
Sema6c	0.40	0.38	-0.07	9.87E-01	no
Acer2	0.20	0.19	-0.08	9.87E-01	no
Hoxb3	0.37	0.35	-0.09	9.87E-01	no
1700019D03Ri	0.49	0.46	-0.11	9.87E-01	no
Unc5b	0.03	0.02	-0.17	9.87E-01	no
Muc4	0.01	0.01	-0.26	9.87E-01	no
Isl1	0.04	0.03	-0.31	9.87E-01	no
Tnp2	0.13	0.10	-0.31	9.87E-01	no
Ar	0.03	0.02	-0.31	9.87E-01	no
Pax6	0.03	0.02	-0.32	9.87E-01	no
B3gat2	0.94	1.12	0.24	9.87E-01	no
Isoc1	34.23	34.80	0.02	9.87E-01	no
Adora2b	0.16	0.15	-0.13	9.87E-01	no
Heatr7b1	0.44	2.61	2.56	9.87E-01	no
Kdm5a	18.80	19.09	0.02	9.87E-01	no
Cdk18	0.18	0.19	0.08	9.87E-01	no
Exd2	10.94	10.72	-0.03	9.88E-01	no

Axin1	24.35	24.68	0.02	9.88E-01	no
D5Erttd605e	1.02	0.97	-0.07	9.88E-01	no
Ubxn1	43.35	42.59	-0.03	9.88E-01	no
Has3	0.36	0.35	-0.06	9.88E-01	no
Apom	0.45	0.49	0.11	9.88E-01	no
Atp5l	10.20	10.53	0.05	9.88E-01	no
S100a11	19.55	20.11	0.04	9.88E-01	no
Ndufs4	17.08	17.46	0.03	9.88E-01	no
9930021J03Ri	11.97	12.16	0.02	9.88E-01	no
Rnf220	21.05	20.70	-0.02	9.88E-01	no
Zfp830	9.58	9.38	-0.03	9.88E-01	no
Thap7	11.40	11.12	-0.04	9.88E-01	no
Polr2i	14.36	13.96	-0.04	9.88E-01	no
Ckm	0.10	0.09	-0.19	9.88E-01	no
Cd8b1	0.06	0.05	-0.30	9.88E-01	no
Jph1	0.10	0.11	0.13	9.88E-01	no
Clip1	12.31	12.11	-0.02	9.88E-01	no
Ing4	32.32	32.88	0.03	9.89E-01	no
Trmt11	4.93	5.07	0.04	9.89E-01	no
Max	35.37	35.90	0.02	9.89E-01	no
Wdr26	41.72	42.33	0.02	9.89E-01	no
Hsbp1	33.22	32.60	-0.03	9.89E-01	no
Dnajc14	20.50	20.83	0.02	9.89E-01	no
9530068E07Ri	33.35	32.82	-0.02	9.89E-01	no
Tmeff1	0.04	0.03	-0.29	9.89E-01	no
Slc16a2	0.06	0.05	-0.15	9.89E-01	no
4930415F15Ri	0.33	0.30	-0.15	9.89E-01	no
Hlcs	2.09	2.15	0.04	9.89E-01	no
Stk3	8.10	8.27	0.03	9.89E-01	no
Fbxl8	10.38	10.15	-0.03	9.89E-01	no
Pxmp4	11.19	10.93	-0.03	9.89E-01	no
2210021J22Ri	11.40	11.13	-0.04	9.89E-01	no
Angpt4	0.11	0.10	-0.16	9.89E-01	no
A230051G13R	4.48	4.58	0.03	9.90E-01	no
Zc3hav1	36.53	36.09	-0.02	9.90E-01	no
Leprel2	0.04	0.04	0.20	9.90E-01	no
Adam1b	0.61	0.63	0.06	9.90E-01	no
Tbca	27.08	27.75	0.04	9.90E-01	no
Dhx30	25.08	24.71	-0.02	9.90E-01	no
Mlycd	4.95	4.82	-0.04	9.90E-01	no
Wnt6	0.09	0.10	0.15	9.90E-01	no
2310035K24Ri	6.93	6.74	-0.04	9.90E-01	no

Utp11l	19.94	19.50	-0.03	9.90E-01	no
Ccdc85c	1.90	1.84	-0.05	9.90E-01	no
Mgam	0.06	0.06	-0.10	9.90E-01	no
Dennd4c	10.53	10.68	0.02	9.90E-01	no
BC029722	16.04	15.71	-0.03	9.90E-01	no
Zdhhc4	21.14	20.71	-0.03	9.90E-01	no
Cmtm3	4.47	4.60	0.04	9.90E-01	no
Bbs12	5.51	5.65	0.04	9.90E-01	no
Slc35a2	11.97	11.74	-0.03	9.90E-01	no
Smad4	24.63	24.26	-0.02	9.90E-01	no
Sh2d4a	0.06	0.05	-0.18	9.90E-01	no
1110021J02Rik	16.60	16.35	-0.02	9.91E-01	no
Bcat2	15.53	15.85	0.03	9.91E-01	no
1810058I24Rik	25.35	25.85	0.03	9.91E-01	no
C230091D08Ri	9.89	10.08	0.03	9.91E-01	no
Mgat2	29.03	29.48	0.02	9.91E-01	no
Zbtb17	12.83	12.61	-0.02	9.91E-01	no
Cry1	12.12	11.90	-0.03	9.91E-01	no
4933406I18Rik	0.50	0.47	-0.10	9.91E-01	no
Gjd3	0.11	0.09	-0.24	9.91E-01	no
Dnm3	0.01	0.01	0.27	9.91E-01	no
Ntn5	0.05	0.04	-0.28	9.91E-01	no
Cd93	79.04	77.90	-0.02	9.91E-01	no
Notch1	17.03	17.28	0.02	9.91E-01	no
Ppil6	0.20	0.18	-0.14	9.91E-01	no
Elovl2	0.07	0.06	-0.14	9.91E-01	no
Card14	0.02	0.07	2.11	9.91E-01	no
Mctp1	2.61	2.68	0.04	9.91E-01	no
Arf3	45.08	45.71	0.02	9.91E-01	no
Klri2	0.11	0.12	0.10	9.91E-01	no
Ubtd1	3.42	3.52	0.04	9.91E-01	no
Slc35f2	3.99	4.10	0.04	9.91E-01	no
Unc13a	0.12	0.12	-0.06	9.91E-01	no
2700062C07Ri	10.25	10.51	0.04	9.91E-01	no
Tmem161b	9.04	9.22	0.03	9.91E-01	no
Tob2	23.72	24.06	0.02	9.91E-01	no
Tab1	12.46	12.25	-0.03	9.91E-01	no
Mblac1	3.29	3.19	-0.05	9.91E-01	no
Adamtsl5	0.03	0.03	-0.27	9.91E-01	no
Glce	5.91	6.03	0.03	9.91E-01	no
Gm11127	0.05	0.05	-0.21	9.91E-01	no
Ms4a8a	0.19	0.21	0.14	9.91E-01	no

Gpr4	0.11	0.12	0.10	9.91E-01	no
Zfp707	5.44	5.58	0.04	9.91E-01	no
Aldoa	66.72	67.58	0.02	9.91E-01	no
Dnmt3a	18.67	18.90	0.02	9.91E-01	no
Clasp1	25.61	25.89	0.02	9.91E-01	no
Stk11ip	20.36	20.08	-0.02	9.91E-01	no
6230400D17Ri	1.43	1.38	-0.06	9.91E-01	no
Nfe2l3	0.35	0.33	-0.07	9.91E-01	no
Oas2	3.66	3.75	0.03	9.91E-01	no
Sumf1	7.41	7.57	0.03	9.92E-01	no
Trappc4	20.78	20.38	-0.03	9.92E-01	no
Ckmt1	0.05	0.04	-0.23	9.92E-01	no
Ltbp3	0.06	0.06	0.10	9.92E-01	no
Gm962	6.16	6.04	-0.03	9.92E-01	no
Ssr4	42.00	42.75	0.03	9.92E-01	no
Fam23a	0.04	0.05	0.18	9.92E-01	no
Ccnh	23.66	24.07	0.02	9.92E-01	no
Smarcd2	90.67	89.74	-0.01	9.92E-01	no
Phospho1	0.09	0.08	-0.15	9.92E-01	no
Ptpn7	35.21	34.73	-0.02	9.92E-01	no
Narf	15.33	15.11	-0.02	9.92E-01	no
Plscr1	2.74	2.81	0.04	9.92E-01	no
Cdk4	87.63	86.46	-0.02	9.92E-01	no
Hist1h3g	0.74	0.70	-0.09	9.92E-01	no
Mudeng	9.49	9.31	-0.03	9.92E-01	no
Pfn4	0.38	0.35	-0.09	9.92E-01	no
Zbtb22	19.40	19.70	0.02	9.92E-01	no
Gsdmc4	0.03	0.04	0.26	9.92E-01	no
Commd10	9.71	9.93	0.03	9.92E-01	no
Zmym2	18.31	18.05	-0.02	9.92E-01	no
Syce1	0.14	0.13	-0.13	9.92E-01	no
Iglon5	0.03	0.03	-0.22	9.92E-01	no
Spdya	0.87	0.61	-0.52	9.92E-01	no
Klk9	0.08	0.07	-0.18	9.92E-01	no
Ptgdr	0.02	0.03	0.26	9.93E-01	no
Peli2	0.19	0.20	0.06	9.93E-01	no
1110008J03RiI	3.61	3.71	0.04	9.93E-01	no
Polr3a	10.43	10.59	0.02	9.93E-01	no
Crebbp	19.80	19.54	-0.02	9.93E-01	no
Eif4ebp2	69.17	68.26	-0.02	9.93E-01	no
4922505G16Ri	0.21	0.20	-0.07	9.93E-01	no
Esm1	0.04	0.04	-0.24	9.93E-01	no

Med26	9.17	9.34	0.03	9.93E-01	no
Fubp3	9.69	9.85	0.02	9.93E-01	no
Gm9897	5.09	5.23	0.04	9.93E-01	no
Spf2	3.00	3.08	0.04	9.93E-01	no
Tbc1d8b	4.16	4.24	0.03	9.93E-01	no
Scpep1	10.71	10.92	0.03	9.93E-01	no
Ric8b	10.04	10.21	0.02	9.93E-01	no
Guf1	10.94	11.12	0.02	9.93E-01	no
Ppm1a	22.31	22.64	0.02	9.93E-01	no
Mll5	34.52	34.08	-0.02	9.93E-01	no
Kiss1r	0.27	0.25	-0.06	9.93E-01	no
Gm996	0.10	0.10	-0.08	9.93E-01	no
Ear10	0.12	0.10	-0.36	9.93E-01	no
Gpr126	0.01	0.01	0.25	9.94E-01	no
Tbc1d30	0.22	0.22	0.05	9.94E-01	no
Rpp21	16.85	17.25	0.03	9.94E-01	no
1810027O10Ri	34.05	34.79	0.03	9.94E-01	no
Vamp2	27.42	27.82	0.02	9.94E-01	no
Clptm1l	31.80	32.26	0.02	9.94E-01	no
Pcf11	22.84	22.55	-0.02	9.94E-01	no
lars2	22.73	22.43	-0.02	9.94E-01	no
Pop7	16.17	15.83	-0.03	9.94E-01	no
1500031L02Ril	7.33	7.17	-0.03	9.94E-01	no
Dnase1l2	2.49	2.41	-0.04	9.94E-01	no
Gm106	0.66	0.63	-0.05	9.94E-01	no
Hap1	0.09	0.08	-0.10	9.94E-01	no
1700034I23Rik	0.05	0.04	-0.21	9.94E-01	no
Col1a2	0.02	0.01	-0.21	9.94E-01	no
Itga7	0.02	0.02	-0.25	9.94E-01	no
Lrrc63	0.03	0.03	0.24	9.94E-01	no
Oprl1	0.02	0.03	0.24	9.94E-01	no
Msh4	0.03	0.03	0.20	9.94E-01	no
Alg5	9.49	9.70	0.03	9.94E-01	no
2610002I17Rik	6.88	7.02	0.03	9.94E-01	no
Ltbp4	2.79	2.85	0.03	9.94E-01	no
Hsf2	7.43	7.58	0.03	9.94E-01	no
Asb3	7.32	7.46	0.03	9.94E-01	no
Dedd2	15.36	15.62	0.02	9.94E-01	no
Hmg20a	22.24	22.54	0.02	9.94E-01	no
5730601F06Ri	19.20	19.40	0.02	9.94E-01	no
Gna13	34.13	33.72	-0.02	9.94E-01	no
Dok3	84.86	83.82	-0.02	9.94E-01	no

9130011J15Ri	16.47	16.22	-0.02	9.94E-01	no
Sptlc1	15.10	14.86	-0.02	9.94E-01	no
Bcl7b	18.63	18.33	-0.02	9.94E-01	no
Hic2	2.46	2.41	-0.03	9.94E-01	no
Itgb1bp1	12.77	12.50	-0.03	9.94E-01	no
Pard3b	0.75	0.73	-0.04	9.94E-01	no
Trpv3	0.04	0.03	-0.21	9.94E-01	no
1700016C15Ri	0.12	0.10	-0.21	9.94E-01	no
Cbln2	0.03	0.04	0.23	9.94E-01	no
9430076C15Ri	0.03	0.04	0.19	9.94E-01	no
Fbxw13	0.07	0.08	0.19	9.94E-01	no
Gsta4	0.18	0.19	0.13	9.94E-01	no
Cstad	0.33	0.36	0.10	9.94E-01	no
Fam167b	0.65	0.68	0.07	9.94E-01	no
Slc7a3	0.30	0.31	0.06	9.94E-01	no
Dhrs13	1.78	1.83	0.04	9.94E-01	no
Selm	6.17	6.32	0.04	9.94E-01	no
Mettl7a1	5.83	5.96	0.03	9.94E-01	no
Fam86	5.25	5.36	0.03	9.94E-01	no
2610015P09Ri	3.11	3.18	0.03	9.94E-01	no
Creg1	8.70	8.86	0.03	9.94E-01	no
Spryd3	8.40	8.56	0.03	9.94E-01	no
Chd7	2.23	2.27	0.03	9.94E-01	no
Mtcp1	14.49	14.74	0.02	9.94E-01	no
Dhrs4	16.10	16.38	0.02	9.94E-01	no
Elovl1	20.73	21.08	0.02	9.94E-01	no
Zbtb43	8.89	9.01	0.02	9.94E-01	no
Serinc3	238.58	241.76	0.02	9.94E-01	no
Sos1	9.23	9.35	0.02	9.94E-01	no
Tmed7	33.41	33.83	0.02	9.94E-01	no
Mysm1	14.08	14.26	0.02	9.94E-01	no
Mlec	82.44	83.43	0.02	9.94E-01	no
Ppip5k2	21.89	21.62	-0.02	9.94E-01	no
Amfr	22.44	22.16	-0.02	9.94E-01	no
Arpc3	75.20	74.24	-0.02	9.94E-01	no
Erlin2	13.88	13.70	-0.02	9.94E-01	no
Fam195b	31.62	31.15	-0.02	9.94E-01	no
Wdr73	14.65	14.43	-0.02	9.94E-01	no
Pef1	23.62	23.27	-0.02	9.94E-01	no
Fam53a	13.41	13.19	-0.02	9.94E-01	no
1110038F14Ri	21.29	20.93	-0.02	9.94E-01	no
Dbt	7.74	7.60	-0.03	9.94E-01	no

Tmem71	9.59	9.42	-0.03	9.94E-01	no
Lrrc42	9.74	9.56	-0.03	9.94E-01	no
Mettl11a	9.80	9.60	-0.03	9.94E-01	no
Cyb5d1	15.88	15.54	-0.03	9.94E-01	no
Gm9079	2.72	2.65	-0.04	9.94E-01	no
Naip2	0.61	0.59	-0.04	9.94E-01	no
2810410L24Ril	0.85	0.83	-0.05	9.94E-01	no
Lypd3	0.71	0.69	-0.05	9.94E-01	no
Gm6642	2.13	2.05	-0.05	9.94E-01	no
Tgfb3	0.22	0.22	-0.06	9.94E-01	no
Rnf43	0.11	0.10	-0.07	9.94E-01	no
Adcy5	0.07	0.06	-0.09	9.94E-01	no
Ppef2	0.04	0.03	-0.20	9.94E-01	no
Kcp	0.02	0.01	-0.23	9.94E-01	no
Colec11	0.06	0.05	-0.23	9.94E-01	no
Ptgis	0.05	0.04	-0.24	9.94E-01	no
Vil1	0.01	0.01	-0.33	9.94E-01	no
Kcna6	0.01	0.01	-0.34	9.94E-01	no
Prmt8	0.02	0.02	-0.34	9.94E-01	no
Amigo2	0.52	0.62	0.25	9.94E-01	no
Arhgef33	0.93	0.96	0.04	9.94E-01	no
B930041F14Ri	0.58	0.60	0.05	9.94E-01	no
Rps23	3.75	3.87	0.04	9.94E-01	no
Adss	42.29	42.80	0.02	9.94E-01	no
Mettl3	16.88	16.62	-0.02	9.94E-01	no
Fgf3	0.06	0.05	-0.22	9.94E-01	no
Gm11968	3.91	4.02	0.04	9.95E-01	no
Mbtd1	23.11	22.84	-0.02	9.95E-01	no
Cpxm1	0.21	0.20	-0.07	9.95E-01	no
B130006D01Ri	0.15	0.15	-0.08	9.95E-01	no
Napg	12.72	12.90	0.02	9.95E-01	no
BC022687	1.69	1.64	-0.04	9.95E-01	no
Fzd3	0.08	0.08	0.06	9.95E-01	no
Slc19a1	17.82	18.06	0.02	9.95E-01	no
Fgfr1op	29.19	28.86	-0.02	9.95E-01	no
6330512M04R	0.02	0.02	0.22	9.95E-01	no
Fam188a	8.95	9.11	0.03	9.95E-01	no
Syf2	32.49	32.93	0.02	9.95E-01	no
Zmym5	11.99	12.14	0.02	9.95E-01	no
Ciao1	14.55	14.35	-0.02	9.95E-01	no
Cacnb4	0.85	0.87	0.03	9.95E-01	no
Dtd1	10.47	10.27	-0.03	9.95E-01	no

Gm10653	0.12	0.32	1.43	9.95E-01	no
Rps7	31.76	31.28	-0.02	9.95E-01	no
Med31	6.10	5.96	-0.03	9.95E-01	no
Aldh8a1	0.13	0.13	-0.09	9.95E-01	no
Ano8	7.02	6.91	-0.02	9.95E-01	no
Gm561	7.78	7.58	-0.04	9.95E-01	no
Gpr179	0.06	0.05	-0.06	9.95E-01	no
Tmem17	0.89	0.86	-0.05	9.95E-01	no
Smad2	21.71	21.43	-0.02	9.95E-01	no
4921530D09Ri	0.04	0.03	-0.21	9.95E-01	no
Kazald1	0.31	0.32	0.07	9.96E-01	no
Mllt11	5.56	5.67	0.03	9.96E-01	no
Tomm20	52.26	52.93	0.02	9.96E-01	no
Kitl	0.06	0.07	0.09	9.96E-01	no
Scfd2	5.05	5.12	0.02	9.96E-01	no
Cbx6	24.66	24.93	0.02	9.96E-01	no
Mtpap	18.16	17.92	-0.02	9.96E-01	no
Nrg4	1.96	1.91	-0.04	9.96E-01	no
Prr18	0.20	0.19	-0.06	9.96E-01	no
Btnl3	0.04	0.03	-0.23	9.96E-01	no
Acmsd	0.09	0.10	0.11	9.96E-01	no
Aak1	7.91	7.99	0.01	9.96E-01	no
A330023F24Ri	0.38	0.36	-0.04	9.96E-01	no
Neurl2	1.79	2.39	0.41	9.96E-01	no
Tll9	0.49	0.52	0.07	9.96E-01	no
Rpp40	2.81	2.87	0.03	9.96E-01	no
Rock2	26.18	26.46	0.02	9.96E-01	no
Sp100	24.94	24.63	-0.02	9.96E-01	no
Ino80b	20.28	19.96	-0.02	9.96E-01	no
Slc37a4	7.63	7.50	-0.03	9.96E-01	no
Armcx5	5.51	5.41	-0.03	9.96E-01	no
Pbx4	5.46	5.34	-0.03	9.96E-01	no
Spata7	3.08	3.01	-0.03	9.96E-01	no
Comp	0.30	0.29	-0.05	9.96E-01	no
Rab36	0.20	0.19	-0.06	9.96E-01	no
Slc17a8	0.02	0.02	0.20	9.96E-01	no
Icam4	0.19	0.20	0.11	9.96E-01	no
Nr1h3	0.25	0.27	0.08	9.96E-01	no
Zcchc4	5.91	6.02	0.03	9.96E-01	no
9030025P20Ri	7.58	7.71	0.03	9.96E-01	no
Polr3gl	11.85	12.05	0.02	9.96E-01	no
Thtpa	6.29	6.40	0.02	9.96E-01	no

Rad1	18.57	18.85	0.02	9.96E-01	no
Med28	9.21	9.34	0.02	9.96E-01	no
Birc6	30.32	30.00	-0.02	9.96E-01	no
Ift140	9.10	8.99	-0.02	9.96E-01	no
Gm12669	30.88	30.44	-0.02	9.96E-01	no
Surf1	15.80	15.55	-0.02	9.96E-01	no
Antxr2	3.67	3.61	-0.03	9.96E-01	no
Myo1d	0.19	0.19	-0.05	9.96E-01	no
B4galnt4	0.05	0.04	-0.13	9.96E-01	no
Gm14047	0.03	0.03	-0.29	9.96E-01	no
Rpl7a	1.54	1.59	0.04	9.96E-01	no
1300010F03Ri	9.38	9.27	-0.02	9.96E-01	no
Fxyd7	0.21	0.23	0.12	9.96E-01	no
Cul4a	18.25	18.46	0.02	9.96E-01	no
6820431F20Ri	86.73	87.36	0.01	9.96E-01	no
1700020O03Ri	12.39	12.24	-0.02	9.96E-01	no
Ap2s1	50.45	49.82	-0.02	9.96E-01	no
Mrpl54	30.21	29.73	-0.02	9.96E-01	no
Maneal	0.04	0.04	-0.15	9.96E-01	no
Gpr151	0.13	0.14	0.10	9.96E-01	no
Hr	0.28	0.27	-0.04	9.96E-01	no
2310022B05Ri	4.26	4.19	-0.03	9.96E-01	no
Rnpep	22.96	22.71	-0.02	9.96E-01	no
Gng10	30.66	30.24	-0.02	9.96E-01	no
Abcb10	4.54	4.47	-0.02	9.96E-01	no
Crabp2	0.08	0.07	-0.20	9.96E-01	no
Veph1	0.07	0.07	0.12	9.96E-01	no
Pdcd1	4.50	4.59	0.03	9.96E-01	no
Mpv17l2	13.42	13.65	0.02	9.96E-01	no
Urb2	17.74	17.92	0.01	9.96E-01	no
Traf3	10.68	10.79	0.01	9.96E-01	no
Csnk1g2	70.92	70.34	-0.01	9.96E-01	no
Asb8	15.75	15.55	-0.02	9.96E-01	no
Stard4	13.29	13.12	-0.02	9.96E-01	no
Ankdd1b	1.15	1.13	-0.03	9.96E-01	no
Lamc2	0.01	0.01	-0.21	9.96E-01	no
Raet1e	1.70	1.35	-0.34	9.96E-01	no
Mdp1	21.60	21.34	-0.02	9.96E-01	no
Gpsm3	26.67	26.35	-0.02	9.97E-01	no
Pdrg1	30.78	31.16	0.02	9.97E-01	no
Pdxdc1	18.91	18.72	-0.01	9.97E-01	no
Il2rb	0.34	0.35	0.05	9.97E-01	no

Ttc21a	0.02	0.01	-0.21	9.97E-01	no
Serpinb9b	0.04	0.04	0.19	9.97E-01	no
Rnd2	0.21	0.23	0.11	9.97E-01	no
Abca17	0.26	0.27	0.04	9.97E-01	no
Nek3	3.15	3.21	0.03	9.97E-01	no
Tug1	58.67	59.14	0.01	9.97E-01	no
Gm608	15.25	15.10	-0.01	9.97E-01	no
Mon1b	14.41	14.27	-0.01	9.97E-01	no
Asb6	13.75	13.57	-0.02	9.97E-01	no
Mrps34	19.87	19.57	-0.02	9.97E-01	no
Dcun1d3	3.08	3.03	-0.02	9.97E-01	no
1700030J22Ril	0.34	0.35	0.04	9.97E-01	no
Sox12	8.15	8.25	0.02	9.97E-01	no
Lyz1	5.36	5.25	-0.03	9.97E-01	no
Clip4	0.05	0.05	-0.14	9.97E-01	no
BC020535	3.03	3.09	0.03	9.97E-01	no
AI506816	0.05	0.06	0.13	9.97E-01	no
2310068J16Ril	0.52	0.54	0.05	9.97E-01	no
5730508B09Ri	5.82	5.93	0.03	9.97E-01	no
9430008C03Ri	5.12	5.04	-0.02	9.97E-01	no
Ggct	2.66	2.61	-0.03	9.97E-01	no
Plekhg6	0.02	0.02	-0.19	9.97E-01	no
Kctd13	9.01	8.87	-0.02	9.97E-01	no
Ihh	0.07	0.07	0.10	9.97E-01	no
Icos	0.07	0.08	0.10	9.97E-01	no
A530064D06R	0.19	0.20	0.07	9.97E-01	no
Syng2	33.67	34.05	0.02	9.97E-01	no
Dcaf13	24.84	24.53	-0.02	9.97E-01	no
Fam58b	13.65	13.44	-0.02	9.97E-01	no
C330021F23Ri	0.94	0.91	-0.04	9.97E-01	no
1700113I22Rik	0.34	0.21	-0.71	9.97E-01	no
Nsun3	6.13	6.24	0.03	9.98E-01	no
Btg2	47.33	46.89	-0.01	9.98E-01	no
Ap3b1	23.47	23.24	-0.01	9.98E-01	no
Snhg6	19.88	19.51	-0.03	9.98E-01	no
1700016D06Ri	0.06	0.06	-0.20	9.98E-01	no
1700012B09Ri	0.10	0.11	0.17	9.98E-01	no
Ccdc92	0.31	0.32	0.05	9.98E-01	no
Gtpbp6	13.84	14.02	0.02	9.98E-01	no
Katna1	18.68	18.91	0.02	9.98E-01	no
Rnf6	19.27	19.47	0.01	9.98E-01	no
Ahrr	0.06	0.05	-0.08	9.98E-01	no

Slc2a12	0.02	0.02	-0.17	9.98E-01	no
Gprin1	0.02	0.01	-0.18	9.98E-01	no
Jam2	0.06	0.05	-0.20	9.98E-01	no
Otos	0.96	1.00	0.05	9.98E-01	no
Tnfrsf8	0.87	0.84	-0.04	9.98E-01	no
Mon2	14.31	14.20	-0.01	9.98E-01	no
Usp24	23.51	23.72	0.01	9.98E-01	no
Scaf1	31.84	31.56	-0.01	9.98E-01	no
Fam160a1	0.04	0.04	0.10	9.98E-01	no
Cgnl1	0.18	0.18	0.04	9.98E-01	no
Pter	0.82	0.83	0.03	9.98E-01	no
Spp1	4.29	4.37	0.03	9.98E-01	no
Mtf1	5.71	5.77	0.02	9.98E-01	no
Tmem134	23.41	23.67	0.02	9.98E-01	no
Cog3	14.95	15.10	0.01	9.98E-01	no
Cog1	12.71	12.57	-0.02	9.98E-01	no
Zfp672	10.43	10.31	-0.02	9.98E-01	no
Ndufa8	36.31	35.86	-0.02	9.98E-01	no
Scube3	0.05	0.05	-0.10	9.98E-01	no
Mark1	0.12	0.12	0.05	9.98E-01	no
Arglu1	55.37	54.87	-0.01	9.98E-01	no
Fbxw5	22.49	22.72	0.01	9.99E-01	no
Fam151a	0.03	0.03	0.15	9.99E-01	no
Zbtb46	0.08	0.08	0.10	9.99E-01	no
Rspo1	0.08	0.08	0.10	9.99E-01	no
Gja1	0.22	0.22	0.05	9.99E-01	no
BC064078	5.58	5.68	0.03	9.99E-01	no
Zmiz1	45.15	45.54	0.01	9.99E-01	no
Ash1l	20.19	20.36	0.01	9.99E-01	no
Arpc1b	87.89	87.13	-0.01	9.99E-01	no
Slc9a1	16.72	16.57	-0.01	9.99E-01	no
Zfp398	9.27	9.16	-0.02	9.99E-01	no
Txndc12	18.30	18.06	-0.02	9.99E-01	no
Sec14l2	0.15	0.14	-0.06	9.99E-01	no
Slco1b2	0.07	0.07	-0.09	9.99E-01	no
Gm15104	0.22	0.20	-0.15	9.99E-01	no
Sema6a	0.01	0.01	0.17	9.99E-01	no
Phf7	7.49	7.60	0.02	9.99E-01	no
Dpm2	25.43	25.76	0.02	9.99E-01	no
Tbc1d15	18.93	19.11	0.01	9.99E-01	no
Cd19	112.96	112.00	-0.01	9.99E-01	no
Fam113b	10.13	10.00	-0.02	9.99E-01	no

Ankrd50	3.68	3.63	-0.02	9.99E-01	no
Gpr180	4.79	4.72	-0.02	9.99E-01	no
Unc5a	1.05	1.03	-0.03	9.99E-01	no
4933417G07Ri	1.89	1.85	-0.03	9.99E-01	no
Wdr27	0.02	0.03	0.16	9.99E-01	no
9530003J23RiI	0.06	0.06	0.14	9.99E-01	no
Rxfp4	0.06	0.06	0.14	9.99E-01	no
Slc44a3	0.04	0.04	0.13	9.99E-01	no
1700020C07Ri	0.09	0.10	0.12	9.99E-01	no
Adam32	0.03	0.03	0.12	9.99E-01	no
Brsk2	0.02	0.02	0.12	9.99E-01	no
Cacng2	0.02	0.03	0.12	9.99E-01	no
Clec14a	0.01	0.02	0.12	9.99E-01	no
Gm266	0.06	0.06	0.12	9.99E-01	no
Hist1h2bn	0.20	0.22	0.12	9.99E-01	no
Inhba	0.05	0.05	0.12	9.99E-01	no
Kcnj5	0.02	0.02	0.12	9.99E-01	no
Kcnk7	0.06	0.07	0.12	9.99E-01	no
Mrc2	0.01	0.01	0.12	9.99E-01	no
Plce1	0.01	0.01	0.12	9.99E-01	no
Sdsl	0.06	0.06	0.12	9.99E-01	no
Slc30a10	0.01	0.01	0.12	9.99E-01	no
Ubd	0.08	0.08	0.12	9.99E-01	no
Hsbp1l1	0.14	0.14	0.09	9.99E-01	no
Col1a1	0.04	0.04	0.08	9.99E-01	no
Stbd1	0.12	0.13	0.06	9.99E-01	no
Gatsl3	0.36	0.37	0.04	9.99E-01	no
Arhgef37	0.22	0.22	0.04	9.99E-01	no
R74862	1.12	1.14	0.03	9.99E-01	no
Rph3al	1.73	1.76	0.03	9.99E-01	no
Xdh	0.61	0.62	0.03	9.99E-01	no
Acvr1	1.58	1.61	0.03	9.99E-01	no
Gm5113	1.78	1.81	0.03	9.99E-01	no
Hddc3	4.53	4.61	0.02	9.99E-01	no
2700097O09Ri	5.79	5.88	0.02	9.99E-01	no
Thyn1	9.62	9.76	0.02	9.99E-01	no
Mfsd8	4.85	4.92	0.02	9.99E-01	no
Snpc1	7.21	7.30	0.02	9.99E-01	no
Pepd	10.20	10.33	0.02	9.99E-01	no
Pih1d1	24.31	24.59	0.02	9.99E-01	no
Chrac1	21.01	21.26	0.02	9.99E-01	no
Echs1	18.05	18.24	0.02	9.99E-01	no

Ormdl3	18.79	18.99	0.01	9.99E-01	no
Msra	19.14	19.32	0.01	9.99E-01	no
Atg12	17.76	17.94	0.01	9.99E-01	no
Nf1	5.97	6.02	0.01	9.99E-01	no
Zmym1	18.32	18.49	0.01	9.99E-01	no
Letmd1	18.33	18.49	0.01	9.99E-01	no
Usp25	25.73	25.93	0.01	9.99E-01	no
Gak	27.47	27.68	0.01	9.99E-01	no
Gltscr2	54.70	54.29	-0.01	9.99E-01	no
Numa1	42.69	42.36	-0.01	9.99E-01	no
Copb1	35.59	35.31	-0.01	9.99E-01	no
Zfp91	39.55	39.24	-0.01	9.99E-01	no
Cnm3	11.59	11.50	-0.01	9.99E-01	no
Srsf12	24.86	24.64	-0.01	9.99E-01	no
Egln1	22.48	22.29	-0.01	9.99E-01	no
Spcs2	28.86	28.61	-0.01	9.99E-01	no
Kcmf1	19.55	19.38	-0.01	9.99E-01	no
Pdlim1	24.55	24.32	-0.01	9.99E-01	no
Ttc13	13.78	13.65	-0.01	9.99E-01	no
Fastk	23.77	23.54	-0.01	9.99E-01	no
Taf1c	9.97	9.87	-0.01	9.99E-01	no
D10Jhu81e	19.21	19.01	-0.01	9.99E-01	no
Vti1a	10.10	9.99	-0.01	9.99E-01	no
Grcc10	56.47	55.88	-0.02	9.99E-01	no
Pdcd6	23.48	23.23	-0.02	9.99E-01	no
Rhob	9.52	9.41	-0.02	9.99E-01	no
Ccdc69	16.44	16.25	-0.02	9.99E-01	no
Ptdss2	8.59	8.49	-0.02	9.99E-01	no
Zfp930	6.99	6.90	-0.02	9.99E-01	no
Atox1	34.13	33.72	-0.02	9.99E-01	no
Fam120c	3.55	3.50	-0.02	9.99E-01	no
Pcbp3	7.88	7.78	-0.02	9.99E-01	no
Dnajb4	6.19	6.11	-0.02	9.99E-01	no
Rnf170	4.83	4.77	-0.02	9.99E-01	no
Mecr	12.36	12.20	-0.02	9.99E-01	no
Rhbdl1	6.16	6.08	-0.02	9.99E-01	no
Cpt1b	3.70	3.65	-0.02	9.99E-01	no
Sumf2	5.85	5.77	-0.02	9.99E-01	no
1810014B01Ri	7.97	7.85	-0.02	9.99E-01	no
Mterf	6.04	5.94	-0.02	9.99E-01	no
Btbd19	2.83	2.78	-0.02	9.99E-01	no
Dnajc25	3.16	3.11	-0.02	9.99E-01	no

Chad	2.07	2.03	-0.03	9.99E-01	no
Klhl8	1.13	1.11	-0.03	9.99E-01	no
D19Ert652e	0.19	0.19	-0.03	9.99E-01	no
Sag	0.70	0.69	-0.04	9.99E-01	no
Abca5	0.14	0.13	-0.04	9.99E-01	no
Tnnt3	0.42	0.41	-0.05	9.99E-01	no
4930579J09Rik	0.26	0.25	-0.05	9.99E-01	no
Hist1h3h	0.89	0.86	-0.05	9.99E-01	no
Ppfia3	0.07	0.07	-0.06	9.99E-01	no
Olfm2	0.07	0.06	-0.11	9.99E-01	no
Wnt16	0.05	0.04	-0.13	9.99E-01	no
Rarres2	0.08	0.07	-0.14	9.99E-01	no
Nmnat2	0.02	0.02	-0.15	9.99E-01	no
St6galnac5	0.04	0.03	-0.16	9.99E-01	no
Irg1	0.03	0.03	-0.16	9.99E-01	no
Avpr1b	0.02	0.02	-0.17	9.99E-01	no
9530053A07Rik	0.01	0.00	-0.24	9.99E-01	no
Sirpb1b	0.12	0.13	0.08	9.99E-01	no
Cab39	41.36	41.66	0.01	9.99E-01	no
Hk2	4.83	4.88	0.01	9.99E-01	no
6530401D17Rik	0.30	0.31	0.05	9.99E-01	no
Zfp566	3.63	3.69	0.02	9.99E-01	no
Supt6h	23.43	23.60	0.01	9.99E-01	no
Spnb2	45.88	45.62	-0.01	9.99E-01	no
Slmo1	0.04	0.03	-0.15	9.99E-01	no
Adnp2	13.15	13.25	0.01	9.99E-01	no
Zfp526	9.85	9.76	-0.01	9.99E-01	no
Mul1	7.42	7.35	-0.01	9.99E-01	no
Vcan	0.21	0.21	-0.03	9.99E-01	no
Clec2d	35.57	35.88	0.01	1.00E+00	no
Syap1	15.06	15.20	0.01	1.00E+00	no
Akr1a4	65.46	64.99	-0.01	1.00E+00	no
Ube2r2	19.99	19.84	-0.01	1.00E+00	no
Mia1	0.20	0.19	-0.10	1.00E+00	no
OTTMUSG000Rik	0.00	0.01	1.79769e+	1.00E+00	no
Ube1y1	0.02	0.00	-1.79769e-	1.00E+00	no
Mageb2	0.06	0.00	-1.79769e-	1.00E+00	no
Gm15144	0.13	0.00	-1.79769e-	1.00E+00	no
Mageb1	0.02	0.00	-1.79769e-	1.00E+00	no
4933432I09Rik	0.00	0.00	-1.79769e-	1.00E+00	no
Mfap2	0.00	0.00	-1.79769e-	1.00E+00	no
Rusc2	0.00	0.00	-1.79769e-	1.00E+00	no

Col6a6	0.02	0.55	5.02	1.00E+00	no
Kifc3	0.48	6.11	3.66	1.00E+00	no
Rnase10	0.42	3.82	3.20	1.00E+00	no
Fnip2	0.17	1.16	2.80	1.00E+00	no
Hif3a	0.09	0.63	2.75	1.00E+00	no
Myo1h	0.13	0.82	2.64	1.00E+00	no
Tead1	0.10	0.53	2.45	1.00E+00	no
2010016118Rik	0.20	1.07	2.40	1.00E+00	no
Olfm1	0.25	1.31	2.38	1.00E+00	no
Klra12	0.06	0.28	2.34	1.00E+00	no
2310046K01Ri	1.86	8.76	2.24	1.00E+00	no
Pcdhb11	0.01	0.03	2.24	1.00E+00	no
Pqlc3	28.00	128.95	2.20	1.00E+00	no
Tmod1	0.11	0.49	2.17	1.00E+00	no
Kcnp3	0.39	1.68	2.10	1.00E+00	no
Ttll11	7.63	32.72	2.10	1.00E+00	no
Inadl	4.32	17.93	2.05	1.00E+00	no
Runx2	0.67	2.77	2.05	1.00E+00	no
Pcdha10	0.01	0.04	2.03	1.00E+00	no
Tbc1d9	0.40	1.62	2.03	1.00E+00	no
Sema4a	1.45	5.67	1.96	1.00E+00	no
Fam114a1	0.52	2.03	1.96	1.00E+00	no
Ms4a6c	5.50	21.07	1.94	1.00E+00	no
Omd	0.02	0.08	1.93	1.00E+00	no
Gm13298	0.02	0.06	1.91	1.00E+00	no
Pcdhb5	0.02	0.08	1.84	1.00E+00	no
Nfatc2	0.41	1.44	1.82	1.00E+00	no
Nek6	3.14	11.03	1.81	1.00E+00	no
Acpp	0.88	3.08	1.81	1.00E+00	no
Lair1	0.55	1.87	1.76	1.00E+00	no
Foxp3	0.08	0.28	1.74	1.00E+00	no
Epb4.1l1	0.08	0.28	1.74	1.00E+00	no
4933430H15Ri	0.10	0.33	1.67	1.00E+00	no
Pcdhga2	0.16	0.52	1.66	1.00E+00	no
Islr	0.33	1.02	1.64	1.00E+00	no
Tmem176a	7.38	22.45	1.60	1.00E+00	no
Camk2a	0.85	2.51	1.57	1.00E+00	no
Frmd4a	3.76	11.11	1.56	1.00E+00	no
Thrb	3.73	10.72	1.53	1.00E+00	no
Gjb3	0.29	0.82	1.50	1.00E+00	no
Pcdhb19	0.14	0.40	1.45	1.00E+00	no
Ppfibp2	0.73	1.96	1.43	1.00E+00	no

Fkbp10	0.02	0.04	1.43	1.00E+00	no
Rara	3.88	10.49	1.43	1.00E+00	no
Klra13-ps	0.04	0.10	1.43	1.00E+00	no
Lrtm2	0.33	0.86	1.39	1.00E+00	no
Tom1	5.78	15.00	1.38	1.00E+00	no
Klf9	2.00	5.17	1.37	1.00E+00	no
Vill	1.83	4.73	1.37	1.00E+00	no
Tmem176b	19.07	49.04	1.36	1.00E+00	no
Tnfrsf18	2.72	6.93	1.35	1.00E+00	no
Syt12	1.29	3.26	1.34	1.00E+00	no
Slc41a3	0.51	1.30	1.34	1.00E+00	no
Pkp3	2.43	6.07	1.32	1.00E+00	no
Gm4659	6.46	16.04	1.31	1.00E+00	no
Fbxo6	5.41	13.11	1.28	1.00E+00	no
Gimap4	14.21	34.41	1.28	1.00E+00	no
Pcdhb20	0.13	0.31	1.26	1.00E+00	no
Rell2	0.44	1.02	1.23	1.00E+00	no
Iqsec2	2.86	6.64	1.21	1.00E+00	no
Ang	2.27	5.23	1.21	1.00E+00	no
Pcdhga10	0.52	1.19	1.19	1.00E+00	no
Pde8b	0.29	0.66	1.18	1.00E+00	no
Lrrc9	0.21	0.46	1.14	1.00E+00	no
Pcdhb16	0.53	1.17	1.13	1.00E+00	no
Naip7	0.10	0.22	1.13	1.00E+00	no
Axl	0.66	1.43	1.12	1.00E+00	no
Cnnm2	0.85	1.82	1.11	1.00E+00	no
Lrrc50	0.05	0.11	1.09	1.00E+00	no
Sirt3	13.82	29.01	1.07	1.00E+00	no
Ftl2	67.51	141.33	1.07	1.00E+00	no
Thsd4	0.03	0.06	1.03	1.00E+00	no
Tmc5	0.80	1.63	1.02	1.00E+00	no
Plec	8.20	16.66	1.02	1.00E+00	no
Pfkfb2	5.55	10.97	0.98	1.00E+00	no
Dyx1c1	0.34	0.68	0.98	1.00E+00	no
Pcdhb18	0.28	0.55	0.98	1.00E+00	no
Lca5	4.80	9.44	0.98	1.00E+00	no
Lpp	4.68	9.20	0.98	1.00E+00	no
Arpp21	21.56	42.07	0.96	1.00E+00	no
Lgals6	0.39	0.76	0.94	1.00E+00	no
Gm5129	0.19	0.36	0.94	1.00E+00	no
Rffl	8.29	15.76	0.93	1.00E+00	no
Pcdhgb8	0.38	0.73	0.92	1.00E+00	no

Insl3	1.62	3.05	0.91	1.00E+00	no
LOC100503704	1.37	2.53	0.89	1.00E+00	no
Stk32c	0.32	0.59	0.88	1.00E+00	no
Extl2	1.96	3.60	0.87	1.00E+00	no
Dnahc11	0.06	0.11	0.87	1.00E+00	no
Cabyr	0.32	0.59	0.86	1.00E+00	no
Osbpl5	4.51	8.18	0.86	1.00E+00	no
Rtkn	0.36	0.65	0.85	1.00E+00	no
Tubd1	10.48	18.84	0.85	1.00E+00	no
Pcdhb22	0.31	0.56	0.83	1.00E+00	no
Gstm4	2.92	5.15	0.82	1.00E+00	no
Mbp	15.47	27.16	0.81	1.00E+00	no
Msmg	0.64	1.12	0.81	1.00E+00	no
Bcl11a	32.55	56.46	0.79	1.00E+00	no
C130026121Rik	2.24	3.86	0.79	1.00E+00	no
Tacc2	0.90	1.54	0.78	1.00E+00	no
Pcdhb17	0.61	1.04	0.78	1.00E+00	no
Pdcd4	25.83	43.78	0.76	1.00E+00	no
Dlgap4	9.38	15.83	0.75	1.00E+00	no
Gba	16.50	27.83	0.75	1.00E+00	no
Pigp	12.02	20.24	0.75	1.00E+00	no
Irf1	28.22	47.50	0.75	1.00E+00	no
Rusc1	4.89	8.23	0.75	1.00E+00	no
Ttn	0.01	0.01	0.75	1.00E+00	no
P2rx2	0.13	0.21	0.75	1.00E+00	no
Pcdhgb5	0.82	1.38	0.75	1.00E+00	no
Zfmx3	0.36	0.60	0.74	1.00E+00	no
Epsti1	11.05	18.41	0.74	1.00E+00	no
Tmem192	14.61	24.25	0.73	1.00E+00	no
Pcdhga4	0.39	0.65	0.73	1.00E+00	no
Mta3	23.27	38.23	0.72	1.00E+00	no
Cacnb1	13.09	21.39	0.71	1.00E+00	no
Gm8979	4.44	7.21	0.70	1.00E+00	no
Fam198a	1.84	2.98	0.69	1.00E+00	no
Ntng2	3.04	4.92	0.69	1.00E+00	no
Sytl3	0.73	1.18	0.69	1.00E+00	no
Als2	4.73	7.61	0.69	1.00E+00	no
Serinc4	0.85	1.36	0.68	1.00E+00	no
Pcdhga8	0.36	0.58	0.68	1.00E+00	no
Heatr7a	7.33	11.64	0.67	1.00E+00	no
Havcr1	0.23	0.37	0.67	1.00E+00	no
Pcdhb7	0.01	0.02	0.66	1.00E+00	no

Ksr2	0.22	0.35	0.66	1.00E+00	no
Ipcef1	11.52	18.22	0.66	1.00E+00	no
Pcdhgb2	0.42	0.67	0.66	1.00E+00	no
Rufy4	0.16	0.26	0.65	1.00E+00	no
Maml2	5.72	8.99	0.65	1.00E+00	no
Pcyt1a	14.95	23.42	0.65	1.00E+00	no
Gmfg	69.69	107.93	0.63	1.00E+00	no
Tsc22d3	33.09	51.03	0.62	1.00E+00	no
Mllt3	7.38	11.31	0.62	1.00E+00	no
Klhl7	3.35	5.09	0.60	1.00E+00	no
Smcr8	18.37	27.83	0.60	1.00E+00	no
D330028D13R	5.44	8.23	0.60	1.00E+00	no
1810062O18Ri	1.30	1.96	0.59	1.00E+00	no
Tagap	17.52	26.46	0.59	1.00E+00	no
Smarca2	5.71	8.59	0.59	1.00E+00	no
Lrrc39	2.17	3.22	0.57	1.00E+00	no
Ctnnd1	5.40	8.01	0.57	1.00E+00	no
Tcf7l2	6.86	10.14	0.56	1.00E+00	no
Slc37a2	6.39	9.41	0.56	1.00E+00	no
Pcdhgb6	1.41	2.07	0.56	1.00E+00	no
Pacsin1	0.37	0.55	0.56	1.00E+00	no
Pde2a	143.27	210.19	0.55	1.00E+00	no
Ltk	7.25	10.60	0.55	1.00E+00	no
Slc2a9	3.25	4.75	0.55	1.00E+00	no
Glra4	0.12	0.18	0.55	1.00E+00	no
Pqlc1	5.42	7.88	0.54	1.00E+00	no
Slc2a6	0.50	0.73	0.54	1.00E+00	no
Ifi27l1	61.21	88.20	0.53	1.00E+00	no
Hk1	14.07	20.25	0.52	1.00E+00	no
Rasa4	20.59	29.62	0.52	1.00E+00	no
A830010M20F	6.26	8.97	0.52	1.00E+00	no
4931406C07Ri	6.22	8.91	0.52	1.00E+00	no
Cox7a2l	175.77	251.50	0.52	1.00E+00	no
1700018L02Ril	1.17	1.67	0.52	1.00E+00	no
Pcdhb21	0.12	0.18	0.52	1.00E+00	no
5730528L13Ril	0.81	1.15	0.51	1.00E+00	no
Lamp2	32.73	46.62	0.51	1.00E+00	no
Slc25a2	0.16	0.22	0.51	1.00E+00	no
Cdkl2	0.13	0.18	0.51	1.00E+00	no
Kdm4c	9.09	12.90	0.50	1.00E+00	no
Pcdhga3	0.27	0.39	0.50	1.00E+00	no
Rwdd3	2.07	2.93	0.50	1.00E+00	no

AU040320	11.35	16.00	0.50	1.00E+00	no
Tmtc3	4.84	6.81	0.49	1.00E+00	no
Sgce	1.51	2.13	0.49	1.00E+00	no
D730040F13Ri	15.52	21.83	0.49	1.00E+00	no
Spg20	7.52	10.56	0.49	1.00E+00	no
Txnrd3	13.12	18.40	0.49	1.00E+00	no
Slc3a1	0.10	0.13	0.47	1.00E+00	no
Prkg1	0.13	0.18	0.47	1.00E+00	no
8430408G22Ri	0.09	0.12	0.46	1.00E+00	no
Mtap7	24.68	33.93	0.46	1.00E+00	no
Cbfa2t3	16.53	22.71	0.46	1.00E+00	no
Uckl1os	2.08	2.84	0.45	1.00E+00	no
Kalrn	0.38	0.52	0.45	1.00E+00	no
Ccl27a	2.31	3.17	0.45	1.00E+00	no
Pcdhgb1	0.39	0.53	0.45	1.00E+00	no
Pet117	0.80	1.09	0.45	1.00E+00	no
Gm2002	0.10	0.13	0.44	1.00E+00	no
Htatip2	8.67	11.78	0.44	1.00E+00	no
Satb1	17.08	23.22	0.44	1.00E+00	no
Abhd1	0.75	1.02	0.44	1.00E+00	no
1700088E04Ri	0.21	0.28	0.44	1.00E+00	no
Sbsn	1.08	1.47	0.44	1.00E+00	no
A530088E08Ri	1.98	2.68	0.44	1.00E+00	no
Akap2	3.97	5.37	0.44	1.00E+00	no
Slc15a2	6.41	8.67	0.44	1.00E+00	no
Airn	1.31	1.77	0.44	1.00E+00	no
A230020J21Ril	0.11	0.15	0.43	1.00E+00	no
Gm7334	11.09	14.97	0.43	1.00E+00	no
Rnf13	14.26	19.19	0.43	1.00E+00	no
Cyfip1	9.96	13.34	0.42	1.00E+00	no
Aspn	0.12	0.16	0.42	1.00E+00	no
Evi2a	4.52	6.04	0.42	1.00E+00	no
Pak6	0.29	0.38	0.41	1.00E+00	no
Hnrnpul1	118.14	157.25	0.41	1.00E+00	no
Sri	29.79	39.64	0.41	1.00E+00	no
Trpt1	3.35	4.45	0.41	1.00E+00	no
Rabgap1	12.25	16.29	0.41	1.00E+00	no
Pbx1	1.26	1.68	0.41	1.00E+00	no
Syn1	0.11	0.14	0.40	1.00E+00	no
Pcdhga11	0.50	0.66	0.40	1.00E+00	no
Prx	0.89	1.17	0.39	1.00E+00	no
Tmem42	4.97	6.52	0.39	1.00E+00	no

Tead3	0.28	0.36	0.39	1.00E+00	no
2900079G21Ri	0.57	0.75	0.38	1.00E+00	no
Il15ra	3.54	4.62	0.38	1.00E+00	no
Zbp1	4.00	5.21	0.38	1.00E+00	no
Raet1a	0.40	0.52	0.38	1.00E+00	no
Abcc5	7.18	9.34	0.38	1.00E+00	no
Dnajb2	3.31	4.29	0.38	1.00E+00	no
Lonp2	20.22	26.23	0.38	1.00E+00	no
Pde4d	8.36	10.84	0.37	1.00E+00	no
Oxr1	36.76	47.63	0.37	1.00E+00	no
Cd160	0.41	0.52	0.37	1.00E+00	no
Bcas1	0.22	0.28	0.36	1.00E+00	no
Susd2	0.22	0.28	0.36	1.00E+00	no
Tmsb15l	1.74	2.24	0.36	1.00E+00	no
Ly96	4.10	5.27	0.36	1.00E+00	no
Ttc23	0.54	0.70	0.36	1.00E+00	no
Cdh29	0.74	0.96	0.36	1.00E+00	no
Capn3	0.25	0.32	0.36	1.00E+00	no
Lrrc18	0.40	0.51	0.36	1.00E+00	no
Pex3	6.56	8.38	0.35	1.00E+00	no
Rnf41	11.38	14.48	0.35	1.00E+00	no
Nphp3	1.82	2.31	0.35	1.00E+00	no
Dnase1l1	4.31	5.48	0.35	1.00E+00	no
Nrp1	1.08	1.37	0.34	1.00E+00	no
Rreb1	20.90	26.46	0.34	1.00E+00	no
Plcx1	1.58	2.00	0.33	1.00E+00	no
Lepre1	0.52	0.66	0.33	1.00E+00	no
Echdc1	2.78	3.49	0.33	1.00E+00	no
Ccdc39	0.15	0.19	0.33	1.00E+00	no
Cyth3	5.85	7.33	0.33	1.00E+00	no
Ccdc90b	7.77	9.73	0.32	1.00E+00	no
Nnt	52.38	65.37	0.32	1.00E+00	no
1700028K03Ri	0.78	0.98	0.32	1.00E+00	no
Ifih1	2.41	3.01	0.32	1.00E+00	no
Zfp960	1.68	2.08	0.31	1.00E+00	no
Pcdhga5	0.76	0.94	0.31	1.00E+00	no
Mical2	0.03	0.04	0.31	1.00E+00	no
1700086O06Ri	2.62	3.26	0.31	1.00E+00	no
Gtpbp8	8.89	11.02	0.31	1.00E+00	no
Tmem49	14.15	17.53	0.31	1.00E+00	no
Mga	18.84	23.33	0.31	1.00E+00	no
App	1.11	1.37	0.31	1.00E+00	no

Pkd2l2	2.98	3.69	0.31	1.00E+00	no
Slc39a14	3.39	4.18	0.30	1.00E+00	no
Phactr2	6.12	7.51	0.30	1.00E+00	no
BC030307	2.06	2.53	0.30	1.00E+00	no
Arhgap32	2.60	3.19	0.29	1.00E+00	no
Mitf	0.31	0.38	0.29	1.00E+00	no
Bdh1	10.26	12.56	0.29	1.00E+00	no
Fbrsl1	7.17	8.75	0.29	1.00E+00	no
Fgfr3	0.11	0.14	0.29	1.00E+00	no
Pcdhgb7	1.07	1.31	0.29	1.00E+00	no
Calr3	0.55	0.67	0.28	1.00E+00	no
St6galnac6	3.77	4.58	0.28	1.00E+00	no
Arhgap15	29.09	35.38	0.28	1.00E+00	no
Slnf8	8.40	10.18	0.28	1.00E+00	no
Glmn	6.75	8.17	0.28	1.00E+00	no
Fyco1	7.36	8.91	0.28	1.00E+00	no
Fxyd5	14.87	17.97	0.27	1.00E+00	no
Cmya5	0.26	0.31	0.27	1.00E+00	no
Rnf144b	1.46	1.76	0.27	1.00E+00	no
Rbms1	15.10	18.19	0.27	1.00E+00	no
1810020D17Ri	8.71	10.48	0.27	1.00E+00	no
Prkacb	39.00	46.90	0.27	1.00E+00	no
Sgk1	35.78	43.00	0.27	1.00E+00	no
Pcdhgb4	0.56	0.68	0.26	1.00E+00	no
Cdc42ep4	3.21	3.84	0.26	1.00E+00	no
Ptptra	22.33	26.61	0.25	1.00E+00	no
Taf1b	15.26	18.19	0.25	1.00E+00	no
Zbtb38	3.49	4.16	0.25	1.00E+00	no
Sirt4	7.88	9.37	0.25	1.00E+00	no
Vps26a	24.74	29.41	0.25	1.00E+00	no
Marveld2	1.81	2.14	0.25	1.00E+00	no
Slc38a10	28.23	33.45	0.24	1.00E+00	no
Dach2	0.18	0.21	0.24	1.00E+00	no
Acbd6	26.61	31.45	0.24	1.00E+00	no
Ikbkg	11.67	13.71	0.23	1.00E+00	no
Fcrl1	4.08	4.79	0.23	1.00E+00	no
Fstl3	0.33	0.38	0.23	1.00E+00	no
Nucb1	32.85	38.41	0.23	1.00E+00	no
Clip2	2.02	2.36	0.22	1.00E+00	no
Txnrd1	31.87	37.22	0.22	1.00E+00	no
Cd151	8.47	9.88	0.22	1.00E+00	no
Mfsd6	6.61	7.69	0.22	1.00E+00	no

Lats2	10.29	11.95	0.22	1.00E+00	no
Abca2	9.90	11.47	0.21	1.00E+00	no
Ccdc23	17.33	20.09	0.21	1.00E+00	no
Rfesd	3.86	4.45	0.20	1.00E+00	no
Comt	12.11	13.91	0.20	1.00E+00	no
Dis3l2	11.04	12.68	0.20	1.00E+00	no
Pcdhga1	0.40	0.46	0.19	1.00E+00	no
Atp2b4	13.40	15.31	0.19	1.00E+00	no
Vamp1	22.62	25.81	0.19	1.00E+00	no
Abi2	8.79	10.01	0.19	1.00E+00	no
Fgd1	0.28	0.32	0.19	1.00E+00	no
Hexim2	2.33	2.65	0.19	1.00E+00	no
Taf6l	11.71	13.31	0.18	1.00E+00	no
Slk	20.88	23.62	0.18	1.00E+00	no
Acsm3	0.18	0.21	0.18	1.00E+00	no
Lrrc51	2.20	2.48	0.18	1.00E+00	no
Srebf2	30.81	34.75	0.17	1.00E+00	no
Zbtb3	2.12	2.39	0.17	1.00E+00	no
Iqsec1	22.13	24.94	0.17	1.00E+00	no
Triobp	33.52	37.76	0.17	1.00E+00	no
Nuak2	5.76	6.49	0.17	1.00E+00	no
Pira2	0.10	0.11	0.17	1.00E+00	no
Mlx	20.30	22.73	0.16	1.00E+00	no
Clec5a	0.16	0.18	0.16	1.00E+00	no
Ppp6r2	11.87	13.25	0.16	1.00E+00	no
Pmel	0.88	0.98	0.16	1.00E+00	no
Nfix	3.88	4.32	0.15	1.00E+00	no
Lrrfip1	34.01	37.80	0.15	1.00E+00	no
Lsp1	52.81	58.58	0.15	1.00E+00	no
Hps3	12.57	13.93	0.15	1.00E+00	no
Tatdn3	2.93	3.24	0.15	1.00E+00	no
Snx12	18.26	20.20	0.15	1.00E+00	no
BC057079	4.11	4.55	0.15	1.00E+00	no
Gm166	1.12	1.24	0.14	1.00E+00	no
Faim	16.89	18.65	0.14	1.00E+00	no
Mlxip	42.31	46.63	0.14	1.00E+00	no
Kcnq1ot1	0.70	0.77	0.14	1.00E+00	no
Gm12166	4.59	5.04	0.14	1.00E+00	no
Ano9	0.02	0.02	0.13	1.00E+00	no
Mmp19	0.06	0.07	0.13	1.00E+00	no
Pigv	12.41	13.58	0.13	1.00E+00	no
Atf5	11.24	12.28	0.13	1.00E+00	no

Rps24	30.46	33.27	0.13	1.00E+00	no
Etohd2	1.95	2.13	0.13	1.00E+00	no
Dcaf5	10.80	11.80	0.13	1.00E+00	no
Pdpk1	27.99	30.52	0.12	1.00E+00	no
Fam134c	31.08	33.85	0.12	1.00E+00	no
Ptp4a3	91.52	99.64	0.12	1.00E+00	no
Gm4763	0.04	0.04	0.12	1.00E+00	no
Hltf	13.71	14.89	0.12	1.00E+00	no
Limk2	17.98	19.54	0.12	1.00E+00	no
Dctn3	20.22	21.96	0.12	1.00E+00	no
Sirpb1a	0.07	0.08	0.12	1.00E+00	no
6030419C18Ri	0.03	0.03	0.12	1.00E+00	no
Pcdha6	0.01	0.01	0.12	1.00E+00	no
Bfar	14.89	16.12	0.11	1.00E+00	no
Wasl	10.58	11.44	0.11	1.00E+00	no
Tgif1	29.18	31.48	0.11	1.00E+00	no
Ralgds	8.11	8.74	0.11	1.00E+00	no
Sepp1	48.72	52.52	0.11	1.00E+00	no
Ccdc53	11.10	11.96	0.11	1.00E+00	no
Lpin2	19.12	20.60	0.11	1.00E+00	no
Fchsd2	11.41	12.29	0.11	1.00E+00	no
Pibf1	5.32	5.73	0.11	1.00E+00	no
Clta	95.74	103.07	0.11	1.00E+00	no
Adcy7	26.54	28.56	0.11	1.00E+00	no
Rbm41	8.63	9.28	0.10	1.00E+00	no
Itpk1	13.71	14.73	0.10	1.00E+00	no
Lrfn1	0.80	0.86	0.10	1.00E+00	no
Ankrd27	12.03	12.89	0.10	1.00E+00	no
Hexdc	6.05	6.48	0.10	1.00E+00	no
Pcdhga12	0.80	0.86	0.10	1.00E+00	no
Rnase1	0.07	0.08	0.10	1.00E+00	no
Prss53	0.32	0.34	0.09	1.00E+00	no
Evl	31.48	33.61	0.09	1.00E+00	no
Dram2	5.49	5.86	0.09	1.00E+00	no
Rnf130	23.26	24.80	0.09	1.00E+00	no
Kcng2	0.02	0.03	0.09	1.00E+00	no
Sec24c	42.38	44.98	0.09	1.00E+00	no
Ctdspl	5.56	5.90	0.09	1.00E+00	no
Dock9	7.72	8.19	0.09	1.00E+00	no
Ahi1	5.36	5.68	0.08	1.00E+00	no
Ak5	0.01	0.01	0.08	1.00E+00	no
Cdkl3	2.80	2.96	0.08	1.00E+00	no

Sacs	6.91	7.31	0.08	1.00E+00	no
Gm5128	0.03	0.04	0.08	1.00E+00	no
Cilp2	0.03	0.04	0.08	1.00E+00	no
Deptor	0.96	1.02	0.08	1.00E+00	no
Ccdc132	9.36	9.89	0.08	1.00E+00	no
Tmem164	32.94	34.74	0.08	1.00E+00	no
Vangl1	0.20	0.21	0.08	1.00E+00	no
Ampd1	0.03	0.03	0.08	1.00E+00	no
Ube2g2	25.48	26.82	0.07	1.00E+00	no
Sft2d1	22.08	23.23	0.07	1.00E+00	no
Myeov2	36.29	38.18	0.07	1.00E+00	no
Tor1aip2	41.63	43.76	0.07	1.00E+00	no
9930021D14Ri	0.84	0.88	0.07	1.00E+00	no
Tmem130	0.02	0.03	0.07	1.00E+00	no
Gdf1	0.15	0.16	0.07	1.00E+00	no
Taz	23.46	24.60	0.07	1.00E+00	no
Ctps2	10.42	10.92	0.07	1.00E+00	no
9130017N09Ri	0.06	0.06	0.07	1.00E+00	no
Hdhd2	10.91	11.42	0.07	1.00E+00	no
Casq1	0.08	0.09	0.07	1.00E+00	no
Mttp	1.49	1.56	0.07	1.00E+00	no
4933421E11Ri	17.38	18.17	0.06	1.00E+00	no
Hsf4	0.11	0.11	0.06	1.00E+00	no
Prosc	14.64	15.29	0.06	1.00E+00	no
Ms4a4d	0.08	0.08	0.06	1.00E+00	no
Angptl6	1.02	1.07	0.06	1.00E+00	no
2210404J11Ri	12.01	12.52	0.06	1.00E+00	no
Tars2	35.17	36.66	0.06	1.00E+00	no
Ccdc88c	19.04	19.84	0.06	1.00E+00	no
1810046J19Ri	29.74	30.98	0.06	1.00E+00	no
4930507D05Ri	0.43	0.45	0.06	1.00E+00	no
Rhcg	0.03	0.03	0.06	1.00E+00	no
Madd	24.83	25.83	0.06	1.00E+00	no
Aspscr1	25.34	26.36	0.06	1.00E+00	no
Fgf22	0.16	0.16	0.06	1.00E+00	no
Nox1	0.13	0.14	0.05	1.00E+00	no
Hey1	0.07	0.07	0.05	1.00E+00	no
Pcdhga7	0.33	0.34	0.05	1.00E+00	no
Rtn4	21.90	22.69	0.05	1.00E+00	no
Pde4dip	4.44	4.60	0.05	1.00E+00	no
Cd80	0.20	0.20	0.05	1.00E+00	no
Thns1	1.81	1.87	0.05	1.00E+00	no

D19Wsu162e	25.22	26.06	0.05	1.00E+00	no
Hist1h2ag	0.72	0.75	0.05	1.00E+00	no
Coro2a	20.95	21.64	0.05	1.00E+00	no
Loh12cr1	8.75	9.04	0.05	1.00E+00	no
4930481A15Ri	7.82	8.07	0.05	1.00E+00	no
Ankrd6	4.91	5.07	0.05	1.00E+00	no
Kcnj13	0.25	0.26	0.04	1.00E+00	no
Acot5	0.17	0.18	0.04	1.00E+00	no
Insig2	9.93	10.24	0.04	1.00E+00	no
Rab25	0.25	0.26	0.04	1.00E+00	no
Serpind1	0.12	0.12	0.04	1.00E+00	no
Ifnar2	21.91	22.58	0.04	1.00E+00	no
Kdm4a	23.07	23.77	0.04	1.00E+00	no
Gli1	0.07	0.07	0.04	1.00E+00	no
Cebpe	0.14	0.14	0.04	1.00E+00	no
Ptpla	6.79	6.99	0.04	1.00E+00	no
Vmn2r86	0.05	0.05	0.04	1.00E+00	no
Cyp27b1	0.13	0.14	0.04	1.00E+00	no
Wisp2	0.04	0.04	0.04	1.00E+00	no
Eps15	23.28	23.94	0.04	1.00E+00	no
Tbck	6.07	6.25	0.04	1.00E+00	no
Tcfcp2l1	0.06	0.06	0.04	1.00E+00	no
Tox3	0.07	0.07	0.04	1.00E+00	no
Ppp2r3a	1.37	1.40	0.04	1.00E+00	no
Timd4	0.07	0.07	0.04	1.00E+00	no
Fam114a2	20.72	21.23	0.04	1.00E+00	no
Cntln	9.21	9.42	0.03	1.00E+00	no
Zfp277	8.91	9.12	0.03	1.00E+00	no
Arhgef15	0.05	0.05	0.03	1.00E+00	no
Fbxo30	4.98	5.09	0.03	1.00E+00	no
Dux	0.10	0.10	0.03	1.00E+00	no
3830403N18Ri	0.59	0.60	0.03	1.00E+00	no
Trim10	0.03	0.03	0.03	1.00E+00	no
Il17rb	0.20	0.20	0.03	1.00E+00	no
Gm2506	0.36	0.37	0.03	1.00E+00	no
Rc3h2	14.38	14.67	0.03	1.00E+00	no
Oaz3	0.47	0.48	0.03	1.00E+00	no
Nat2	12.31	12.55	0.03	1.00E+00	no
Krt80	0.12	0.12	0.03	1.00E+00	no
Ovol1	0.43	0.44	0.03	1.00E+00	no
Gfpt2	0.07	0.07	0.03	1.00E+00	no
Kctd1	5.27	5.37	0.03	1.00E+00	no

Tcp1111	0.15	0.16	0.03	1.00E+00	no
Agfg2	17.70	18.02	0.03	1.00E+00	no
Slc44a2	65.51	66.67	0.03	1.00E+00	no
5730416F02Ri	0.61	0.62	0.02	1.00E+00	no
Eif2ak4	11.73	11.93	0.02	1.00E+00	no
Atxn3	16.69	16.97	0.02	1.00E+00	no
Akap14	0.02	0.02	0.02	1.00E+00	no
AU021092	0.05	0.05	0.02	1.00E+00	no
Rtn4rl1	0.06	0.06	0.02	1.00E+00	no
9130019P16Ri	0.03	0.03	0.02	1.00E+00	no
Gm13375	1.99	2.02	0.02	1.00E+00	no
Pcsk6	0.02	0.02	0.02	1.00E+00	no
Fbxw7	12.17	12.33	0.02	1.00E+00	no
Itga11	0.01	0.01	0.02	1.00E+00	no
Pik3r1	26.73	27.09	0.02	1.00E+00	no
Camkk2	16.63	16.85	0.02	1.00E+00	no
4932416H05Ri	1.87	1.89	0.02	1.00E+00	no
C230035I16Ri	2.61	2.64	0.02	1.00E+00	no
Agbl5	17.21	17.41	0.02	1.00E+00	no
Ncs1	1.54	1.56	0.02	1.00E+00	no
Nfam1	4.20	4.25	0.02	1.00E+00	no
Fkbp7	2.56	2.59	0.02	1.00E+00	no
Xrcc6bp1	5.93	6.00	0.02	1.00E+00	no
2010107H07Ri	17.99	18.19	0.02	1.00E+00	no
Agk	8.46	8.55	0.02	1.00E+00	no
Cryz	2.36	2.38	0.02	1.00E+00	no
1700101E01Ri	0.49	0.49	0.02	1.00E+00	no
Mybpc3	0.07	0.07	0.02	1.00E+00	no
Bst2	21.14	21.36	0.01	1.00E+00	no
Rad52	9.69	9.79	0.01	1.00E+00	no
Kdelc2	1.50	1.51	0.01	1.00E+00	no
Rpl38	82.81	83.65	0.01	1.00E+00	no
Fam186b	0.04	0.04	0.01	1.00E+00	no
Mmp2	0.06	0.06	0.01	1.00E+00	no
Pls1	0.04	0.04	0.01	1.00E+00	no
Zfp593	8.47	8.56	0.01	1.00E+00	no
Cdkn2b	0.10	0.10	0.01	1.00E+00	no
Rccd1	6.68	6.74	0.01	1.00E+00	no
Cd63	0.49	0.49	0.01	1.00E+00	no
Sh3yl1	0.94	0.95	0.01	1.00E+00	no
Ccdc115	16.63	16.78	0.01	1.00E+00	no
Zfp790	5.78	5.84	0.01	1.00E+00	no

Prrt4	0.02	0.02	0.01	1.00E+00	no
Mett11d1	8.91	8.99	0.01	1.00E+00	no
Fis1	55.93	56.45	0.01	1.00E+00	no
Tfpt	9.85	9.94	0.01	1.00E+00	no
Zfp69	3.72	3.75	0.01	1.00E+00	no
Gpr52	0.35	0.35	0.01	1.00E+00	no
Ctla2b	0.24	0.24	0.01	1.00E+00	no
Prdm1	0.36	0.36	0.01	1.00E+00	no
Cdk5rap3	16.98	17.13	0.01	1.00E+00	no
Dpm3	27.04	27.27	0.01	1.00E+00	no
Rnft1	6.19	6.24	0.01	1.00E+00	no
Tbc1d19	5.46	5.51	0.01	1.00E+00	no
Mpnd	23.27	23.47	0.01	1.00E+00	no
BC017647	4.25	4.29	0.01	1.00E+00	no
Camk2d	72.48	73.08	0.01	1.00E+00	no
Mmp21	0.04	0.04	0.01	1.00E+00	no
Pard6a	7.50	7.56	0.01	1.00E+00	no
Auh	8.83	8.90	0.01	1.00E+00	no
Pcca	7.29	7.35	0.01	1.00E+00	no
5430405H02Ri	2.72	2.74	0.01	1.00E+00	no
Acat1	15.55	15.67	0.01	1.00E+00	no
Qpct	0.46	0.46	0.01	1.00E+00	no
Purb	25.39	25.58	0.01	1.00E+00	no
Rcn2	15.71	15.83	0.01	1.00E+00	no
Trabd	23.86	24.03	0.01	1.00E+00	no
BC037034	20.30	20.45	0.01	1.00E+00	no
2310007L24Ril	0.18	0.18	0.01	1.00E+00	no
Fam174b	1.50	1.51	0.01	1.00E+00	no
Arl13b	5.74	5.78	0.01	1.00E+00	no
Git1	21.16	21.31	0.01	1.00E+00	no
Strn3	16.81	16.93	0.01	1.00E+00	no
Tmem128	20.24	20.38	0.01	1.00E+00	no
Gm505	16.85	16.96	0.01	1.00E+00	no
Prdm15	6.69	6.73	0.01	1.00E+00	no
Psmf1	11.21	11.29	0.01	1.00E+00	no
Exoc7	14.58	14.68	0.01	1.00E+00	no
Cd84	10.18	10.25	0.01	1.00E+00	no
Tmem165	21.03	21.17	0.01	1.00E+00	no
Pla2g4b	6.26	6.30	0.01	1.00E+00	no
2610001J05Ril	15.57	15.67	0.01	1.00E+00	no
Zfp592	26.64	26.81	0.01	1.00E+00	no
Hfe	0.99	0.99	0.01	1.00E+00	no

Skiv2l	26.25	26.42	0.01	1.00E+00	no
Vcl	9.39	9.45	0.01	1.00E+00	no
Nomo1	16.98	17.09	0.01	1.00E+00	no
Atp4a	0.28	0.28	0.01	1.00E+00	no
Ubox5	4.08	4.11	0.01	1.00E+00	no
Ncoa6	15.50	15.60	0.01	1.00E+00	no
Tdrd3	6.45	6.49	0.01	1.00E+00	no
Zzef1	15.56	15.66	0.01	1.00E+00	no
B3gat3	19.81	19.93	0.01	1.00E+00	no
Ppil2	21.94	22.08	0.01	1.00E+00	no
Gabarapl2	16.83	16.93	0.01	1.00E+00	no
Rybp	13.45	13.53	0.01	1.00E+00	no
Rgs19	26.92	27.08	0.01	1.00E+00	no
Rabif	17.52	17.63	0.01	1.00E+00	no
Oaz2-ps	23.45	23.59	0.01	1.00E+00	no
Smap1	21.73	21.86	0.01	1.00E+00	no
Phip	34.11	34.31	0.01	1.00E+00	no
Bod1l	16.02	16.11	0.01	1.00E+00	no
Rprd1a	14.78	14.87	0.01	1.00E+00	no
Rbm38	65.55	65.93	0.01	1.00E+00	no
Col4a6	0.01	0.01	0.01	1.00E+00	no
Fam151b	1.44	1.45	0.01	1.00E+00	no
Ube3b	22.90	23.03	0.01	1.00E+00	no
Trip4	6.88	6.92	0.01	1.00E+00	no
1810030O07Ri	18.42	18.52	0.01	1.00E+00	no
Fbxo8	7.12	7.15	0.01	1.00E+00	no
Limd1	33.49	33.67	0.01	1.00E+00	no
Tmem167b	17.46	17.55	0.01	1.00E+00	no
Vps24	24.40	24.53	0.01	1.00E+00	no
Zfp518a	16.17	16.25	0.01	1.00E+00	no
Htra2	30.13	30.28	0.01	1.00E+00	no
Isoc2a	16.92	17.00	0.01	1.00E+00	no
Sepn1	2.51	2.53	0.01	1.00E+00	no
Clcn4-2	16.67	16.76	0.01	1.00E+00	no
Gin1	7.68	7.72	0.01	1.00E+00	no
Xcl1	0.15	0.15	0.01	1.00E+00	no
Mypn	0.01	0.01	0.01	1.00E+00	no
Vrk2	11.31	11.37	0.01	1.00E+00	no
4930430F08Ri	2.98	3.00	0.01	1.00E+00	no
Tyms-ps	10.18	10.23	0.01	1.00E+00	no
Kbtbd2	21.19	21.28	0.01	1.00E+00	no
Pnpla2	22.09	22.19	0.01	1.00E+00	no

Nprl3	6.88	6.91	0.01	1.00E+00	no
Ubxn2a	11.09	11.13	0.01	1.00E+00	no
Wbp2	36.70	36.84	0.01	1.00E+00	no
Fam175b	16.32	16.38	0.01	1.00E+00	no
D16H22S680E	7.71	7.74	0.01	1.00E+00	no
Itga2b	0.11	0.11	0.01	1.00E+00	no
Rundc1	7.97	8.00	0.01	1.00E+00	no
Trip12	33.08	33.20	0.01	1.00E+00	no
C130022K22Ri	11.14	11.19	0.01	1.00E+00	no
Atg3	15.40	15.46	0.01	1.00E+00	no
Phtf1	16.21	16.26	0.01	1.00E+00	no
Cfp	5.06	5.08	0.01	1.00E+00	no
1810013L24Ri	15.12	15.18	0.01	1.00E+00	no
1110020G09Ri	18.27	18.33	0.01	1.00E+00	no
Map3k10	3.42	3.43	0.00	1.00E+00	no
Slc25a44	11.29	11.33	0.00	1.00E+00	no
Tmem98	12.86	12.91	0.00	1.00E+00	no
Foxj3	19.23	19.29	0.00	1.00E+00	no
Nenf	4.92	4.94	0.00	1.00E+00	no
Ei24	23.52	23.60	0.00	1.00E+00	no
Tmem147	24.21	24.29	0.00	1.00E+00	no
Sgsm3	5.05	5.07	0.00	1.00E+00	no
2610044O15Ri	12.22	12.26	0.00	1.00E+00	no
Pcyt2	18.90	18.96	0.00	1.00E+00	no
Pdcd2l	12.26	12.30	0.00	1.00E+00	no
Gm10778	4.01	4.02	0.00	1.00E+00	no
D030016E14Ri	15.05	15.10	0.00	1.00E+00	no
Mrps35	18.15	18.20	0.00	1.00E+00	no
Osgep	24.70	24.77	0.00	1.00E+00	no
M6pr	54.05	54.21	0.00	1.00E+00	no
Stap1	11.44	11.47	0.00	1.00E+00	no
S1pr1	9.12	9.15	0.00	1.00E+00	no
Rapgef2	4.03	4.04	0.00	1.00E+00	no
Cnpy3	23.12	23.19	0.00	1.00E+00	no
Mgst1	20.71	20.76	0.00	1.00E+00	no
Usf2	45.27	45.39	0.00	1.00E+00	no
Gng5	30.85	30.93	0.00	1.00E+00	no
Mrpl27	16.16	16.20	0.00	1.00E+00	no
Lmtk2	13.64	13.68	0.00	1.00E+00	no
Kcnmb1	0.09	0.09	0.00	1.00E+00	no
Map2k7	29.62	29.69	0.00	1.00E+00	no
Pdzk1	3.15	3.16	0.00	1.00E+00	no

Smg5	31.34	31.40	0.00	1.00E+00	no
Gm6907	2.84	2.84	0.00	1.00E+00	no
Zbed6	29.14	29.20	0.00	1.00E+00	no
Uqcrh	77.73	77.88	0.00	1.00E+00	no
Slc12a6	64.32	64.45	0.00	1.00E+00	no
Ndst2	11.09	11.11	0.00	1.00E+00	no
Zfp869	20.98	21.02	0.00	1.00E+00	no
Phtf2	12.96	12.99	0.00	1.00E+00	no
Dmtf1	25.55	25.59	0.00	1.00E+00	no
Tor1b	14.97	14.99	0.00	1.00E+00	no
Pofut1	14.58	14.60	0.00	1.00E+00	no
Tnrc6a	23.26	23.29	0.00	1.00E+00	no
Wwp1	5.45	5.46	0.00	1.00E+00	no
Tstd1	3.70	3.71	0.00	1.00E+00	no
Rbm20	0.02	0.02	0.00	1.00E+00	no
Zfp959	8.15	8.16	0.00	1.00E+00	no
Zfp493	2.14	2.14	0.00	1.00E+00	no
Rbm5	42.06	42.11	0.00	1.00E+00	no
Trrap	24.09	24.12	0.00	1.00E+00	no
Gtf2f2	17.64	17.66	0.00	1.00E+00	no
Rnf113a1	3.45	3.46	0.00	1.00E+00	no
Nthl1	3.14	3.15	0.00	1.00E+00	no
Dnahc8	11.50	11.51	0.00	1.00E+00	no
Rbl2	15.46	15.47	0.00	1.00E+00	no
BC020402	2.25	2.25	0.00	1.00E+00	no
Arhgef7	15.44	15.45	0.00	1.00E+00	no
Samd9l	19.85	19.86	0.00	1.00E+00	no
Mars2	17.11	17.12	0.00	1.00E+00	no
Ercc2	19.19	19.21	0.00	1.00E+00	no
Trappc8	20.84	20.85	0.00	1.00E+00	no
Cpsf4l	0.79	0.79	0.00	1.00E+00	no
Abhd2	14.20	14.21	0.00	1.00E+00	no
2310003F16Ri	30.16	30.17	0.00	1.00E+00	no
Morf4l1	9.69	9.70	0.00	1.00E+00	no
Dph2	11.39	11.39	0.00	1.00E+00	no
Bcap29	15.38	15.38	0.00	1.00E+00	no
Paip1	12.63	12.63	0.00	1.00E+00	no
0610008F07Ri	0.00	0.00	0.00	1.00E+00	no
0610010B08Ri	0.00	0.00	0.00	1.00E+00	no
0610012H03Ri	0.00	0.00	0.00	1.00E+00	no
100043387,OT	0.00	0.00	0.00	1.00E+00	no
1110012J17Ri	0.00	0.00	0.00	1.00E+00	no

1110017D15Ri	0.00	0.00	0.00	1.00E+00	no
1110032A04Ri	0.00	0.00	0.00	1.00E+00	no
1110059M19R	0.00	0.00	0.00	1.00E+00	no
1190003J15Ri	0.00	0.00	0.00	1.00E+00	no
1190003K10Ri	0.00	0.00	0.00	1.00E+00	no
1200009I06Ri	0.00	0.00	0.00	1.00E+00	no
1500017E21Ri	0.00	0.00	0.00	1.00E+00	no
1600014K23Ri	0.00	0.00	0.00	1.00E+00	no
1600015I10Ri	0.00	0.00	0.00	1.00E+00	no
1600029I14Ri	0.00	0.00	0.00	1.00E+00	no
1600029O15Ri	0.04	0.00	0.00	1.00E+00	no
1700001C02Ri	0.00	0.00	0.00	1.00E+00	no
1700001F09Ri	0.00	0.00	0.00	1.00E+00	no
1700001L19Ri	0.00	0.00	0.00	1.00E+00	no
1700003G18Ri	0.00	0.00	0.00	1.00E+00	no
1700003H04Ri	0.00	0.00	0.00	1.00E+00	no
1700006A11Ri	0.00	0.00	0.00	1.00E+00	no
1700006E09Ri	0.00	0.00	0.00	1.00E+00	no
1700007B14Ri	0.00	0.00	0.00	1.00E+00	no
1700007E06Ri	0.00	0.00	0.00	1.00E+00	no
1700007G11Ri	0.00	0.00	0.00	1.00E+00	no
1700007K13Ri	0.00	0.00	0.00	1.00E+00	no
1700008A04Ri	0.00	0.00	0.00	1.00E+00	no
1700008F21Ri	0.00	0.00	0.00	1.00E+00	no
1700008I05Ri	0.00	0.00	0.00	1.00E+00	no
1700008P02Ri	0.00	0.00	0.00	1.00E+00	no
1700008P20Ri	0.00	0.00	0.00	1.00E+00	no
1700009J07Ri	0.00	0.00	0.00	1.00E+00	no
1700009N14Ri	0.00	0.00	0.00	1.00E+00	no
1700010D01Ri	0.00	0.00	0.00	1.00E+00	no
1700010M22R	0.00	0.00	0.00	1.00E+00	no
1700011A15Ri	0.00	0.00	0.00	1.00E+00	no
1700011E24Ri	0.00	0.00	0.00	1.00E+00	no
1700011F03Ri	0.00	0.00	0.00	1.00E+00	no
1700011F14Ri	0.00	0.00	0.00	1.00E+00	no
1700011H14Ri	0.00	0.00	0.00	1.00E+00	no
1700011I03Ri	0.00	0.00	0.00	1.00E+00	no
1700012A03Ri	0.00	0.00	0.00	1.00E+00	no
1700012B07Ri	0.00	0.00	0.00	1.00E+00	no
1700012P22Ri	0.00	0.00	0.00	1.00E+00	no
1700013B16Ri	0.00	0.00	0.00	1.00E+00	no
1700013D24Ri	0.00	0.00	0.00	1.00E+00	no

1700013F07Ri	0.00	0.00	0.00	1.00E+00	no
1700013G24Ri	0.00	0.00	0.00	1.00E+00	no
1700013H16Ri	0.00	0.00	0.00	1.00E+00	no
1700014N06Ri	0.00	0.00	0.00	1.00E+00	no
1700015G11Ri	0.00	0.00	0.00	1.00E+00	no
1700016H13Ri	0.00	0.00	0.00	1.00E+00	no
1700016M24R	0.00	0.00	0.00	1.00E+00	no
1700017D01Ri	0.00	0.00	0.00	1.00E+00	no
1700017N19Ri	0.00	0.00	0.00	1.00E+00	no
1700018A04Ri	0.00	0.00	0.00	1.00E+00	no
1700018B08Ri	0.00	0.00	0.00	1.00E+00	no
1700018B24Ri	0.00	0.00	0.00	1.00E+00	no
1700018F24Ri	0.00	0.00	0.00	1.00E+00	no
1700019M22R	0.00	0.00	0.00	1.00E+00	no
1700019N19Ri	0.00	0.00	0.00	1.00E+00	no
1700021F07Ri	0.00	0.00	0.00	1.00E+00	no
1700022A21Ri	0.00	0.00	0.00	1.00E+00	no
1700023A16Ri	0.00	0.00	0.00	1.00E+00	no
1700023I07Rik	0.00	0.00	0.00	1.00E+00	no
1700024G13Ri	0.00	0.00	0.00	1.00E+00	no
1700024P04Ri	0.00	0.00	0.00	1.00E+00	no
1700025C18Ri	0.00	0.00	0.00	1.00E+00	no
1700025E21Ri	0.00	0.00	0.00	1.00E+00	no
1700025F22Ri	0.00	0.00	0.00	1.00E+00	no
1700026D08Ri	0.00	0.00	0.00	1.00E+00	no
1700027A23Ri	0.00	0.00	0.00	1.00E+00	no
1700028B04Ri	0.00	0.00	0.00	1.00E+00	no
1700028M03R	0.00	0.00	0.00	1.00E+00	no
1700028P14Ri	0.00	0.00	0.00	1.00E+00	no
1700029F12Ri	0.00	0.00	0.00	1.00E+00	no
1700029M20R	0.00	0.00	0.00	1.00E+00	no
1700029P11Ri	0.00	0.00	0.00	1.00E+00	no
1700030F18Ri	0.00	0.00	0.00	1.00E+00	no
1700031F05Ri	0.00	0.00	0.00	1.00E+00	no
1700031M16R	0.00	0.00	0.00	1.00E+00	no
1700034E13Ri	0.00	0.00	0.00	1.00E+00	no
1700034J05RiH	0.00	0.00	0.00	1.00E+00	no
1700034O15Ri	0.00	0.00	0.00	1.00E+00	no
1700041C23Ri	0.00	0.00	0.00	1.00E+00	no
1700042B14Ri	0.00	0.00	0.00	1.00E+00	no
1700042G07Ri	0.00	0.00	0.00	1.00E+00	no
1700044K03Ri	0.00	0.00	0.00	1.00E+00	no

1700045I19Rik	0.00	0.00	0.00	1.00E+00	no
1700047M11R	0.00	0.00	0.00	1.00E+00	no
1700049E15Ri	0.00	0.00	0.00	1.00E+00	no
1700052I22Rik	0.00	0.00	0.00	1.00E+00	no
1700054K19Ri	0.00	0.00	0.00	1.00E+00	no
1700054O13Ri	0.00	0.00	0.00	1.00E+00	no
1700057G04Ri	0.00	0.00	0.00	1.00E+00	no
1700057K13Ri	0.00	0.00	0.00	1.00E+00	no
1700058C13Ri	0.00	0.00	0.00	1.00E+00	no
1700060C20Ri	0.00	0.00	0.00	1.00E+00	no
1700061J05Rik	0.00	0.00	0.00	1.00E+00	no
1700066O22Ri	0.00	0.00	0.00	1.00E+00	no
1700067P10Ri	0.00	0.00	0.00	1.00E+00	no
1700069L16Ril	0.00	0.00	0.00	1.00E+00	no
1700072E05Ri	0.00	0.00	0.00	1.00E+00	no
1700073E17Ri	0.00	0.00	0.00	1.00E+00	no
1700074P13Ri	0.00	0.00	0.00	1.00E+00	no
1700080E11Ri	0.00	0.00	0.00	1.00E+00	no
1700080O16Ri	0.00	0.00	0.00	1.00E+00	no
1700086L19Ril	0.00	0.00	0.00	1.00E+00	no
1700090G07Ri	0.00	0.00	0.00	1.00E+00	no
1700094C09Ri	0.00	0.00	0.00	1.00E+00	no
1700108F19Ri	0.00	0.00	0.00	1.00E+00	no
1700108M19R	0.00	0.00	0.00	1.00E+00	no
1700109F18Ri	0.00	0.00	0.00	1.00E+00	no
1700109G14Ri	0.00	0.00	0.00	1.00E+00	no
1700110M21R	0.00	0.00	0.00	1.00E+00	no
1700111N16Ri	0.00	0.00	0.00	1.00E+00	no
1700113H08Ri	0.00	0.00	0.00	1.00E+00	no
1700121N20Ri	0.00	0.00	0.00	1.00E+00	no
1700123K08Ri	0.00	0.00	0.00	1.00E+00	no
1700123L14Ril	0.00	0.00	0.00	1.00E+00	no
1700123O20Ri	15.26	14.25	0.00	1.00E+00	no
1700125D06Ri	0.00	0.00	0.00	1.00E+00	no
1700129C05Ri	0.00	0.00	0.00	1.00E+00	no
1810009J06Rik	0.00	0.00	0.00	1.00E+00	no
1810011O10Ri	0.00	0.00	0.00	1.00E+00	no
1810019J16Rik	0.00	0.00	0.00	1.00E+00	no
1810030J14Rik	0.00	0.00	0.00	1.00E+00	no
1810064F22Ri	0.00	0.00	0.00	1.00E+00	no
2010003K11Ri	0.00	0.00	0.00	1.00E+00	no
2010003K15Ri	0.00	0.00	0.00	1.00E+00	no

2010106E10Ri	0.00	0.00	0.00	1.00E+00	no
2200001I15Rik	0.00	0.00	0.00	1.00E+00	no
2210010C04Ri	0.00	0.00	0.00	1.00E+00	no
2210407C18Ri	0.00	0.00	0.00	1.00E+00	no
2210415F13Ri	0.00	0.00	0.00	1.00E+00	no
2300002M23R	0.00	0.00	0.00	1.00E+00	no
2300003K06Ri	0.00	0.00	0.00	1.00E+00	no
2300005B03Ri	0.00	0.00	0.00	1.00E+00	no
2310001K24Ri	0.00	0.00	0.00	1.00E+00	no
2310002J15Rik	0.00	0.00	0.00	1.00E+00	no
2310002L09Rik	0.00	0.00	0.00	1.00E+00	no
2310007B03Ri	0.00	0.00	0.00	1.00E+00	no
2310010M20R	0.00	0.00	0.00	1.00E+00	no
2310021H06Ri	0.00	0.00	0.00	1.00E+00	no
2310030G06Ri	0.00	0.00	0.00	1.00E+00	no
2310034C09Ri	0.00	0.00	0.00	1.00E+00	no
2310042E22Ri	0.00	0.00	0.00	1.00E+00	no
2310046A06Ri	0.00	0.00	0.00	1.00E+00	no
2310050B05Ri	0.00	0.00	0.00	1.00E+00	no
2310050C09Ri	0.00	0.00	0.00	1.00E+00	no
2310057J16Rik	0.00	0.00	0.00	1.00E+00	no
2310057J18Rik	0.00	0.00	0.00	1.00E+00	no
2310057N15Ri	0.00	0.00	0.00	1.00E+00	no
2310061N02Ri	0.00	0.00	0.00	1.00E+00	no
2310079G19Ri	0.00	0.00	0.00	1.00E+00	no
2410012M07R	0.00	0.00	0.00	1.00E+00	no
2410137F16Ri	0.00	0.00	0.00	1.00E+00	no
2410137M14R	0.00	0.00	0.00	1.00E+00	no
2610017I09Rik	0.00	0.00	0.00	1.00E+00	no
2610100L16Rik	0.00	0.00	0.00	1.00E+00	no
2610109H07Ri	0.00	0.00	0.00	1.00E+00	no
2610203C20Ri	0.00	0.00	0.00	1.00E+00	no
2610203C22Ri	0.00	0.00	0.00	1.00E+00	no
2610528J11Rik	0.00	0.00	0.00	1.00E+00	no
2700046A07Ri	0.00	0.00	0.00	1.00E+00	no
2810007J24Rik	0.00	0.00	0.00	1.00E+00	no
2810032G03Ri	0.00	0.00	0.00	1.00E+00	no
2810405F15Ri	0.00	0.00	0.00	1.00E+00	no
2810433D01Ri	0.00	0.00	0.00	1.00E+00	no
2810459M11R	0.00	0.00	0.00	1.00E+00	no
2900011O08Ri	0.00	0.00	0.00	1.00E+00	no
2900052N01Ri	0.00	0.00	0.00	1.00E+00	no

2900092C05Ri	0.00	0.00	0.00	1.00E+00	no
2900092D14Ri	0.00	0.00	0.00	1.00E+00	no
3110035E14Ri	0.00	0.00	0.00	1.00E+00	no
3110039M20R	0.00	0.00	0.00	1.00E+00	no
3110079O15Ri	0.00	0.00	0.00	1.00E+00	no
3110082D06Ri	0.00	0.00	0.00	1.00E+00	no
3110099E03Ri	0.00	0.00	0.00	1.00E+00	no
3830417A13Ri	0.00	0.00	0.00	1.00E+00	no
3830431G21Ri	0.00	0.00	0.00	1.00E+00	no
4632428N05Ri	1.95	0.00	0.00	1.00E+00	no
4732415M23R	0.00	0.00	0.00	1.00E+00	no
4732456N10Ri	0.00	0.00	0.00	1.00E+00	no
4732471J01Ri	0.22	0.60	0.00	1.00E+00	no
4832428D23Ri	0.00	0.00	0.00	1.00E+00	no
4833423E24Ri	0.00	0.00	0.00	1.00E+00	no
4833424O15Ri	0.00	0.00	0.00	1.00E+00	no
4833427G06Ri	0.00	0.00	0.00	1.00E+00	no
4921501E09Ri	0.00	0.00	0.00	1.00E+00	no
4921504E06Ri	0.00	0.00	0.00	1.00E+00	no
4921509C19Ri	0.00	0.00	0.00	1.00E+00	no
4921510H08Ri	0.00	0.00	0.00	1.00E+00	no
4921511C20Ri	0.00	0.00	0.00	1.00E+00	no
4921511H03Ri	0.00	0.00	0.00	1.00E+00	no
4921517D21Ri	0.00	0.00	0.00	1.00E+00	no
4921517D22Ri	0.00	0.00	0.00	1.00E+00	no
4921521F21Ri	0.00	0.00	0.00	1.00E+00	no
4921524L21Ri	0.00	0.00	0.00	1.00E+00	no
4921528I01Ri	0.00	0.00	0.00	1.00E+00	no
4921528O07Ri	0.00	0.00	0.00	1.00E+00	no
4921530L21Ri	0.00	0.00	0.00	1.00E+00	no
4921539E11Ri	0.00	0.00	0.00	1.00E+00	no
4922501L14Ri	0.00	0.00	0.00	1.00E+00	no
4922505E12Ri	0.00	0.00	0.00	1.00E+00	no
4930403L05Ri	0.00	0.00	0.00	1.00E+00	no
4930404A10Ri	0.00	0.00	0.00	1.00E+00	no
4930408F14Ri	0.00	0.00	0.00	1.00E+00	no
4930415L06Ri	0.00	0.00	0.00	1.00E+00	no
4930417O13Ri	0.00	0.00	0.00	1.00E+00	no
4930428D18Ri	0.00	0.00	0.00	1.00E+00	no
4930428E23Ri	0.00	0.00	0.00	1.00E+00	no
4930429F11Ri	0.00	0.00	0.00	1.00E+00	no
4930430A15Ri	0.00	0.00	0.00	1.00E+00	no

4930432K09Ri	0.00	0.00	0.00	1.00E+00	no
4930433I11Rik	0.00	0.00	0.00	1.00E+00	no
4930433N12Ri	0.00	0.00	0.00	1.00E+00	no
4930435E12Ri	0.00	0.00	0.00	1.00E+00	no
4930442L01Ril	0.00	0.00	0.00	1.00E+00	no
4930443G12Ri	0.00	0.00	0.00	1.00E+00	no
4930448K20Ri	0.00	0.00	0.00	1.00E+00	no
4930449I24Rik	0.00	0.00	0.00	1.00E+00	no
4930451C15Ri	0.00	0.00	0.00	1.00E+00	no
4930451I11Rik	0.00	0.00	0.00	1.00E+00	no
4930458L03Ril	0.00	0.00	0.00	1.00E+00	no
4930470P17Ri	0.00	0.00	0.00	1.00E+00	no
4930471G03Ri	0.00	0.00	0.00	1.00E+00	no
4930474M22R	0.00	0.00	0.00	1.00E+00	no
4930474N05Ri	0.00	0.00	0.00	1.00E+00	no
4930479M11R	0.00	0.00	0.00	1.00E+00	no
4930480E11Ri	0.00	0.00	0.00	1.00E+00	no
4930502E18Ri	0.00	0.00	0.00	1.00E+00	no
4930503B20Ri	0.00	0.00	0.00	1.00E+00	no
4930503E14Ri	0.00	0.00	0.00	1.00E+00	no
4930503H13Ri	0.00	0.00	0.00	1.00E+00	no
4930504O13Ri	0.00	0.00	0.00	1.00E+00	no
4930505A04Ri	0.00	0.00	0.00	1.00E+00	no
4930506M07R	0.00	0.00	0.00	1.00E+00	no
4930511I11Rik	0.00	0.00	0.00	1.00E+00	no
4930511M06R	0.00	0.00	0.00	1.00E+00	no
4930511M11R	0.00	0.00	0.00	1.00E+00	no
4930519F16Ri	0.00	0.00	0.00	1.00E+00	no
4930521A18Ri	0.00	0.00	0.00	1.00E+00	no
4930522H14Ri	0.00	0.00	0.00	1.00E+00	no
4930524B15Ri	0.00	0.00	0.00	1.00E+00	no
4930524E20Ri	0.00	0.00	0.00	1.00E+00	no
4930526D03Ri	0.00	0.00	0.00	1.00E+00	no
4930526I15Rik	0.00	0.00	0.00	1.00E+00	no
4930528F23Ri	0.00	0.00	0.00	1.00E+00	no
4930529F22Ri	0.00	0.00	0.00	1.00E+00	no
4930542N07Ri	0.00	0.00	0.00	1.00E+00	no
4930544D05Ri	0.00	0.00	0.00	1.00E+00	no
4930544G11Ri	0.00	0.00	0.00	1.00E+00	no
4930547C10Ri	0.00	0.00	0.00	1.00E+00	no
4930549C01Ri	0.00	0.00	0.00	1.00E+00	no
4930550L24Ril	0.00	0.00	0.00	1.00E+00	no

4930555G01Ri	0.00	0.00	0.00	1.00E+00	no
4930555I21Rik	0.00	0.00	0.00	1.00E+00	no
4930558C23Ri	0.00	0.00	0.00	1.00E+00	no
4930567H17Ri	0.00	0.00	0.00	1.00E+00	no
4930568D16Ri	0.00	0.00	0.00	1.00E+00	no
4930571K23Ri	0.00	0.00	0.00	1.00E+00	no
4930578C19Ri	0.00	0.00	0.00	1.00E+00	no
4930578I06Rik	0.00	0.00	0.00	1.00E+00	no
4930579F01Ri	0.00	0.00	0.00	1.00E+00	no
4930584F24Ri	0.00	0.00	0.00	1.00E+00	no
4930595M18R	0.00	0.00	0.00	1.00E+00	no
4930596D02Ri	0.00	0.00	0.00	1.00E+00	no
4931406B18Ri	0.00	0.00	0.00	1.00E+00	no
4931407G18Ri	0.00	0.00	0.00	1.00E+00	no
4931408A02Ri	0.00	0.00	0.00	1.00E+00	no
4931408C20Ri	0.00	0.00	0.00	1.00E+00	no
4931409K22Ri	0.00	0.00	0.00	1.00E+00	no
4931417E11Ri	0.00	0.00	0.00	1.00E+00	no
4931423N10Ri	0.00	0.00	0.00	1.00E+00	no
4931428L18Ril	0.00	0.00	0.00	1.00E+00	no
4931440L10Ril	0.00	0.00	0.00	1.00E+00	no
4932411E22Ri	0.00	0.00	0.00	1.00E+00	no
4932411G14Ri	0.00	0.00	0.00	1.00E+00	no
4932411N23Ri	0.00	0.00	0.00	1.00E+00	no
4932414J04Ril	0.00	0.00	0.00	1.00E+00	no
4932414N04Ri	0.00	0.00	0.00	1.00E+00	no
4932415M13R	0.00	0.00	0.00	1.00E+00	no
4932418E24Ri	0.00	0.00	0.00	1.00E+00	no
4932429P05Ri	0.00	0.00	0.00	1.00E+00	no
4932441B19Ri	0.00	0.00	0.00	1.00E+00	no
4932441J04Ril	0.00	0.00	0.00	1.00E+00	no
4932443I19Rik	0.00	0.00	0.00	1.00E+00	no
4933400A11Ri	0.00	0.00	0.00	1.00E+00	no
4933400F21Ri	0.00	0.00	0.00	1.00E+00	no
4933401B06Ri	0.00	0.00	0.00	1.00E+00	no
4933402E13Ri	0.00	0.00	0.00	1.00E+00	no
4933402J07Ril	0.00	0.00	0.00	1.00E+00	no
4933402N03Ri	0.00	0.00	0.00	1.00E+00	no
4933402N22Ri	0.00	0.00	0.00	1.00E+00	no
4933402P03Ri	0.00	0.00	0.00	1.00E+00	no
4933403O03Ri	0.00	0.00	0.00	1.00E+00	no
4933403O08Ri	0.00	0.00	0.00	1.00E+00	no

4933404M02R	0.00	0.00	0.00	1.00E+00	no
4933405O20Ri	0.00	0.00	0.00	1.00E+00	no
4933406F09Ri	0.00	0.00	0.00	1.00E+00	no
4933406J08Ri	0.00	0.00	0.00	1.00E+00	no
4933406K04Ri	0.00	0.00	0.00	1.00E+00	no
4933406M09R	0.00	0.00	0.00	1.00E+00	no
4933407P14Ri	0.00	0.00	0.00	1.00E+00	no
4933409G03Ri	0.00	0.00	0.00	1.00E+00	no
4933411G11Ri	0.00	0.00	0.00	1.00E+00	no
4933412E24Ri	0.00	0.00	0.00	1.00E+00	no
4933416C03Ri	0.00	0.00	0.00	1.00E+00	no
4933417A18Ri	0.00	0.00	0.00	1.00E+00	no
4933421I07Rik	0.00	0.00	0.00	1.00E+00	no
4933422H20Ri	0.00	0.00	0.00	1.00E+00	no
4933427D06Ri	0.00	0.00	0.00	1.00E+00	no
4933429O19Ri	0.00	0.00	0.00	1.00E+00	no
4933434I20Rik	0.00	0.00	0.00	1.00E+00	no
4933436I01Rik	0.00	0.00	0.00	1.00E+00	no
5031410I06Rik	0.00	0.00	0.00	1.00E+00	no
5031426D15Ri	0.00	0.00	0.00	1.00E+00	no
5033404E19Ri	0.00	0.00	0.00	1.00E+00	no
5330413P13Ri	0.00	0.00	0.00	1.00E+00	no
5330434G04Ri	0.00	0.00	0.00	1.00E+00	no
5330437I02Rik	0.00	0.00	0.00	1.00E+00	no
5330439B14Ri	0.00	0.00	0.00	1.00E+00	no
5430402E10Ri	0.00	0.00	0.00	1.00E+00	no
5430405G05Ri	0.00	0.00	0.00	1.00E+00	no
5430407P10Ri	0.00	0.00	0.00	1.00E+00	no
5430416O09Ri	0.00	0.00	0.00	1.00E+00	no
5430419D17Ri	0.00	0.00	0.00	1.00E+00	no
5530400C23Ri	0.00	0.00	0.00	1.00E+00	no
5730409E04Ri	0.00	0.00	0.00	1.00E+00	no
5930412G12Ri	0.00	0.00	0.00	1.00E+00	no
6030405A18Ri	0.00	0.00	0.00	1.00E+00	no
6330407J23Rik	0.00	0.00	0.00	1.00E+00	no
6330527O06Ri	0.00	0.00	0.00	1.00E+00	no
6430411K18Ri	0.00	0.00	0.00	1.00E+00	no
6430548M08R	0.00	0.00	0.00	1.00E+00	no
6430573F11Ri	0.00	0.00	0.00	1.00E+00	no
6530411M01R	0.00	0.00	0.00	1.00E+00	no
7420426K07Ri	0.00	0.00	0.00	1.00E+00	no
7420461P10Ri	0.00	0.00	0.00	1.00E+00	no

7530420F21Ri	0.00	0.00	0.00	1.00E+00	no
8030411F24Ri	0.00	0.00	0.00	1.00E+00	no
8430431K14Ri	0.00	0.00	0.00	1.00E+00	no
9030612E09Ri	0.00	0.00	0.00	1.00E+00	no
9130204L05Ri	0.00	0.00	0.00	1.00E+00	no
9130209A04Ri	0.00	0.00	0.00	1.00E+00	no
9130404H23Ri	0.00	0.00	0.00	1.00E+00	no
9130409I23Ri	0.00	0.00	0.00	1.00E+00	no
9230102K24Ri	0.00	0.00	0.00	1.00E+00	no
9230104L09Ri	0.00	0.00	0.00	1.00E+00	no
9230107M04R	0.00	0.00	0.00	1.00E+00	no
9230110F15Ri	0.00	0.00	0.00	1.00E+00	no
9230113P08Ri	0.00	0.00	0.00	1.00E+00	no
9330111N05Ri	0.00	0.00	0.00	1.00E+00	no
9330158H04Ri	0.00	0.00	0.00	1.00E+00	no
9330159F19Ri	0.00	0.00	0.00	1.00E+00	no
9430007A20Ri	0.00	0.00	0.00	1.00E+00	no
9430021M05R	0.00	0.00	0.00	1.00E+00	no
9430031J16Ri	0.00	0.00	0.00	1.00E+00	no
9430041J12Ri	0.00	0.00	0.00	1.00E+00	no
9530002B09Ri	0.00	0.00	0.00	1.00E+00	no
9530008L14Ri	0.00	0.00	0.00	1.00E+00	no
9530026P05Ri	0.00	0.00	0.00	1.00E+00	no
9530036O11Ri	0.00	0.00	0.00	1.00E+00	no
9530059O14Ri	0.00	0.00	0.00	1.00E+00	no
9530091C08Ri	0.00	0.00	0.00	1.00E+00	no
9630013A20Ri	0.00	0.00	0.00	1.00E+00	no
9630028H03Ri	0.00	0.00	0.00	1.00E+00	no
9830107B12Ri	0.00	0.00	0.00	1.00E+00	no
9930023K05Ri	0.00	0.00	0.00	1.00E+00	no
9930032O22Ri	0.00	0.00	0.00	1.00E+00	no
A1cf	0.00	0.00	0.00	1.00E+00	no
A230057D06R	0.00	0.00	0.00	1.00E+00	no
A230065H16R	0.00	0.00	0.00	1.00E+00	no
A2m	0.00	0.00	0.00	1.00E+00	no
A330049M08F	0.00	0.00	0.00	1.00E+00	no
A330050F15Ri	0.00	0.00	0.00	1.00E+00	no
A330076H08R	0.00	0.00	0.00	1.00E+00	no
A430089I19Ri	0.00	0.00	0.00	1.00E+00	no
A4galt	0.00	0.00	0.00	1.00E+00	no
A4gnt	0.00	0.00	0.00	1.00E+00	no
A530013C23Ri	0.00	0.00	0.00	1.00E+00	no

A530016L24Ri	0.00	0.00	0.00	1.00E+00	no
A530053G22R	0.00	0.00	0.00	1.00E+00	no
A530058N18R	0.00	0.00	0.00	1.00E+00	no
A630010A05Ri	0.00	0.00	0.00	1.00E+00	no
A630073D07R	0.00	0.00	0.00	1.00E+00	no
A630075F10Ri	0.00	0.00	0.00	1.00E+00	no
A630095E13Ri	0.00	0.00	0.00	1.00E+00	no
A730017C20Ri	0.00	0.00	0.00	1.00E+00	no
A730018C14Ri	0.00	0.00	0.00	1.00E+00	no
A730020M07F	0.00	0.00	0.00	1.00E+00	no
A730069N07R	0.00	0.00	0.00	1.00E+00	no
A830018L16Ri	0.00	0.00	0.00	1.00E+00	no
A930011G23R	0.00	0.00	0.00	1.00E+00	no
A930012L18Ri	0.00	0.00	0.00	1.00E+00	no
A930018P22Ri	0.00	0.00	0.00	1.00E+00	no
AA387883	0.00	0.00	0.00	1.00E+00	no
AA545190	0.00	0.00	0.00	1.00E+00	no
AA792892	0.00	0.00	0.00	1.00E+00	no
AB056442	0.00	0.00	0.00	1.00E+00	no
AB099516	0.00	0.00	0.00	1.00E+00	no
AF067063	0.00	0.00	0.00	1.00E+00	no
AF357355	0.00	0.00	0.00	1.00E+00	no
AF357359	0.00	0.00	0.00	1.00E+00	no
AI118078	0.00	0.00	0.00	1.00E+00	no
AI314831	0.00	0.00	0.00	1.00E+00	no
AI427809	0.19	0.00	0.00	1.00E+00	no
AI464131	0.00	0.00	0.00	1.00E+00	no
AI593442	0.00	0.00	0.00	1.00E+00	no
AI747448	0.00	0.00	0.00	1.00E+00	no
AI836003	0.00	0.00	0.00	1.00E+00	no
AU015836	0.00	0.00	0.00	1.00E+00	no
AU018091	0.00	0.00	0.00	1.00E+00	no
AU019990	0.00	0.00	0.00	1.00E+00	no
AU021034	0.00	0.00	0.00	1.00E+00	no
AU022751	0.00	0.00	0.00	1.00E+00	no
AU023871	0.00	0.00	0.00	1.00E+00	no
AW551984	0.00	0.00	0.00	1.00E+00	no
AY026312	0.00	0.00	0.00	1.00E+00	no
AY512915	0.00	0.00	0.00	1.00E+00	no
AY512931	0.00	0.00	0.00	1.00E+00	no
AY761184	0.00	0.00	0.00	1.00E+00	no
AY761185	0.00	0.00	0.00	1.00E+00	no

Aadac	0.00	0.00	0.00	1.00E+00	no
Aadacl2	0.00	0.00	0.00	1.00E+00	no
Aadacl3	0.00	0.00	0.00	1.00E+00	no
Aadat	0.00	0.00	0.00	1.00E+00	no
Aass	0.00	0.00	0.00	1.00E+00	no
Aatk	0.10	0.00	0.00	1.00E+00	no
Abat	0.14	0.00	0.00	1.00E+00	no
Abca12	0.00	0.00	0.00	1.00E+00	no
Abca14	0.00	0.00	0.00	1.00E+00	no
Abca15	0.00	0.00	0.00	1.00E+00	no
Abca16	0.00	0.00	0.00	1.00E+00	no
Abca8a	0.00	0.00	0.00	1.00E+00	no
Abca8b	0.00	0.00	0.00	1.00E+00	no
Abcb5	0.00	0.00	0.00	1.00E+00	no
Abcc12	0.00	0.00	0.00	1.00E+00	no
Abcc8	0.00	0.00	0.00	1.00E+00	no
Abcc9	0.00	0.00	0.00	1.00E+00	no
Abcg8	0.00	0.00	0.00	1.00E+00	no
Abhd12b	0.00	0.00	0.00	1.00E+00	no
Abhd3	0.00	0.00	0.00	1.00E+00	no
Ablim2	0.00	0.00	0.00	1.00E+00	no
Ablim3	0.00	0.00	0.00	1.00E+00	no
Abo	0.00	0.00	0.00	1.00E+00	no
Abp1	0.00	0.00	0.00	1.00E+00	no
Abpb	0.00	0.00	0.00	1.00E+00	no
Abpd	0.00	0.00	0.00	1.00E+00	no
Abpe	0.00	0.00	0.00	1.00E+00	no
Abpg	0.00	0.00	0.00	1.00E+00	no
Abpz	0.00	0.00	0.00	1.00E+00	no
Acan	0.00	0.00	0.00	1.00E+00	no
Accn1	0.00	0.00	0.00	1.00E+00	no
Accn4	0.00	0.00	0.00	1.00E+00	no
Accsl	0.00	0.00	0.00	1.00E+00	no
Ace2	0.00	0.00	0.00	1.00E+00	no
Acer1	0.00	0.00	0.00	1.00E+00	no
Acin1	90.14	79.12	0.00	1.00E+00	no
Acnat2	0.00	0.00	0.00	1.00E+00	no
Acox2	0.00	0.00	0.00	1.00E+00	no
Acr	0.00	0.00	0.00	1.00E+00	no
Acrv1	0.00	0.00	0.00	1.00E+00	no
Acsl6	0.00	0.00	0.00	1.00E+00	no
Acsm1	0.00	0.00	0.00	1.00E+00	no

Acsm2	0.00	0.00	0.00	1.00E+00	no
Acsm5	0.00	0.00	0.00	1.00E+00	no
Acss3	0.00	0.00	0.00	1.00E+00	no
Actbl2	0.00	0.00	0.00	1.00E+00	no
Actc1	0.00	0.00	0.00	1.00E+00	no
Actg2	0.00	0.00	0.00	1.00E+00	no
Actl6b	0.00	0.00	0.00	1.00E+00	no
Actl7b	0.00	0.00	0.00	1.00E+00	no
Actrt1	0.00	0.00	0.00	1.00E+00	no
Actrt2	0.00	0.00	0.00	1.00E+00	no
Acvr1c	0.00	0.00	0.00	1.00E+00	no
Adad2	0.00	0.00	0.00	1.00E+00	no
Adam18	0.00	0.00	0.00	1.00E+00	no
Adam2	0.00	0.00	0.00	1.00E+00	no
Adam23	0.00	0.00	0.00	1.00E+00	no
Adam24	0.00	0.00	0.00	1.00E+00	no
Adam25	0.00	0.00	0.00	1.00E+00	no
Adam26a	0.00	0.00	0.00	1.00E+00	no
Adam26b	0.00	0.00	0.00	1.00E+00	no
Adam28	0.00	0.00	0.00	1.00E+00	no
Adam29	0.00	0.00	0.00	1.00E+00	no
Adam33	0.00	0.00	0.00	1.00E+00	no
Adam34	0.00	0.00	0.00	1.00E+00	no
Adam39	0.00	0.00	0.00	1.00E+00	no
Adam5	0.00	0.00	0.00	1.00E+00	no
Adam7	0.00	0.00	0.00	1.00E+00	no
Adamdec1	0.00	0.00	0.00	1.00E+00	no
Adamts1	0.00	0.00	0.00	1.00E+00	no
Adamts16	0.00	0.00	0.00	1.00E+00	no
Adamts18	0.00	0.00	0.00	1.00E+00	no
Adamts19	0.00	0.00	0.00	1.00E+00	no
Adamts2	0.00	0.00	0.00	1.00E+00	no
Adamts9	0.00	0.00	0.00	1.00E+00	no
Adamtsl1	0.00	0.00	0.00	1.00E+00	no
Adarb1	0.92	0.00	0.00	1.00E+00	no
Adarb2	0.00	0.00	0.00	1.00E+00	no
Adcy2	0.00	0.00	0.00	1.00E+00	no
Adcy8	0.00	0.00	0.00	1.00E+00	no
Adcyap1	0.00	0.00	0.00	1.00E+00	no
Adcyap1r1	0.00	0.00	0.00	1.00E+00	no
Adh4	0.00	0.00	0.00	1.00E+00	no
Adh6-ps1	0.00	0.00	0.00	1.00E+00	no

Adh6a	0.00	0.00	0.00	1.00E+00	no
Adh7	0.00	0.00	0.00	1.00E+00	no
Adhfe1	0.00	0.00	0.00	1.00E+00	no
Adig	0.00	0.00	0.00	1.00E+00	no
Adm2	0.00	0.00	0.00	1.00E+00	no
Adora1	0.00	0.00	0.00	1.00E+00	no
Adra1d	0.00	0.00	0.00	1.00E+00	no
Adra2a	0.00	0.00	0.00	1.00E+00	no
Adrb1	0.00	0.00	0.00	1.00E+00	no
Adrb3	0.00	0.00	0.00	1.00E+00	no
Afap112	0.00	0.00	0.00	1.00E+00	no
Aff2	0.00	0.00	0.00	1.00E+00	no
Afm	0.00	0.00	0.00	1.00E+00	no
Agbl4	0.00	0.00	0.00	1.00E+00	no
Agmat	0.00	0.00	0.00	1.00E+00	no
Agr2	0.00	0.00	0.00	1.00E+00	no
Agr3	0.00	0.00	0.00	1.00E+00	no
Agt	0.00	0.00	0.00	1.00E+00	no
Agtr1b	0.00	0.00	0.00	1.00E+00	no
Agtr2	0.00	0.00	0.00	1.00E+00	no
Agxt	0.00	0.00	0.00	1.00E+00	no
Agxt2l1	0.00	0.00	0.00	1.00E+00	no
Ahsg	0.00	0.00	0.00	1.00E+00	no
Aida	0.00	0.00	0.00	1.00E+00	no
Ajap1	0.00	0.00	0.00	1.00E+00	no
Ak4	0.00	0.00	0.00	1.00E+00	no
Akap4	0.00	0.00	0.00	1.00E+00	no
Aknad1	0.00	0.00	0.00	1.00E+00	no
Akp3	0.00	0.00	0.00	1.00E+00	no
Akr1c14	0.00	0.00	0.00	1.00E+00	no
Akr1c18	0.00	0.00	0.00	1.00E+00	no
Akr1c19	0.00	0.00	0.00	1.00E+00	no
Akr1c20	0.00	0.00	0.00	1.00E+00	no
Akr1c21	0.00	0.00	0.00	1.00E+00	no
Akr1c6	0.00	0.00	0.00	1.00E+00	no
Akr1d1	0.00	0.00	0.00	1.00E+00	no
Alas2	0.00	0.00	0.00	1.00E+00	no
Alb	0.00	0.00	0.00	1.00E+00	no
Aldh3a1	0.00	0.00	0.00	1.00E+00	no
Allc	0.00	0.00	0.00	1.00E+00	no
Alox12b	0.00	0.00	0.00	1.00E+00	no
Alox12e	0.00	0.00	0.00	1.00E+00	no

Alpi	0.00	0.00	0.00	1.00E+00	no
Alppl2	0.00	0.00	0.00	1.00E+00	no
Als2cl	0.00	6.45	0.00	1.00E+00	no
Als2cr11	0.00	0.00	0.00	1.00E+00	no
Alx1	0.00	0.00	0.00	1.00E+00	no
Alx3	0.00	0.00	0.00	1.00E+00	no
Alx4	0.00	0.00	0.00	1.00E+00	no
Ambn	0.00	0.00	0.00	1.00E+00	no
Amd1,Amd2	27.31	20.71	0.00	1.00E+00	no
Amd2	0.32	0.24	0.00	1.00E+00	no
Amelx	0.00	0.00	0.00	1.00E+00	no
Amph	0.00	0.00	0.00	1.00E+00	no
Amtn	0.00	0.00	0.00	1.00E+00	no
Amy2a2,Amy2	0.00	0.00	0.00	1.00E+00	no
Amy2a3,Amy2	0.00	0.00	0.00	1.00E+00	no
Amy2a4,Amy2	0.00	0.00	0.00	1.00E+00	no
Amy2a5	0.00	0.00	0.00	1.00E+00	no
Amy2b	0.00	0.00	0.00	1.00E+00	no
Ang2	0.00	0.00	0.00	1.00E+00	no
Ang3,Ang5	0.00	0.00	0.00	1.00E+00	no
Ang4	0.00	0.00	0.00	1.00E+00	no
Ang5	0.00	0.00	0.00	1.00E+00	no
Ang6	0.00	0.00	0.00	1.00E+00	no
Ank1	0.19	0.00	0.00	1.00E+00	no
Ank3	0.00	0.00	0.00	1.00E+00	no
Ankfn1	0.00	0.00	0.00	1.00E+00	no
Ankk1	0.00	0.00	0.00	1.00E+00	no
Ankrd1	0.00	0.00	0.00	1.00E+00	no
Ankrd2	0.00	0.00	0.00	1.00E+00	no
Ankrd33	0.00	0.00	0.00	1.00E+00	no
Ankrd33b	12.58	20.71	0.00	1.00E+00	no
Ankrd34c	0.00	0.00	0.00	1.00E+00	no
Ankrd36	0.00	0.00	0.00	1.00E+00	no
Ankrd55	0.00	0.00	0.00	1.00E+00	no
Ankrd58	0.00	0.00	0.00	1.00E+00	no
Ankrd7	0.00	0.00	0.00	1.00E+00	no
Anks1b	0.00	0.00	0.00	1.00E+00	no
Anks4b	0.00	0.00	0.00	1.00E+00	no
Ano2	0.00	0.00	0.00	1.00E+00	no
Ano3	0.00	0.00	0.00	1.00E+00	no
Antxrl	0.00	0.00	0.00	1.00E+00	no
Anxa10	0.00	0.00	0.00	1.00E+00	no

Anxa13	0.00	0.00	0.00	1.00E+00	no
Anxa8	0.00	0.00	0.00	1.00E+00	no
Aox3	0.00	0.00	0.00	1.00E+00	no
Apba2	0.00	0.00	0.00	1.00E+00	no
Apbh	0.00	0.00	0.00	1.00E+00	no
Apcs	0.00	0.00	0.00	1.00E+00	no
Apeg3	0.00	0.00	0.00	1.00E+00	no
Apoa1	0.00	0.00	0.00	1.00E+00	no
Apoa4	0.00	0.00	0.00	1.00E+00	no
Apoa5	0.00	0.00	0.00	1.00E+00	no
Apob	0.00	0.00	0.00	1.00E+00	no
Apoc3	0.00	0.00	0.00	1.00E+00	no
Apoc4	0.00	0.00	0.00	1.00E+00	no
Apol11a	0.00	0.00	0.00	1.00E+00	no
Apol6	0.00	0.00	0.00	1.00E+00	no
Apol7a	0.00	0.00	0.00	1.00E+00	no
Apol9b	0.00	0.00	0.00	1.00E+00	no
Aqp12	0.00	0.00	0.00	1.00E+00	no
Aqp2	0.00	0.00	0.00	1.00E+00	no
Aqp5	0.00	0.00	0.00	1.00E+00	no
Aqp6	0.00	0.00	0.00	1.00E+00	no
Aqp8	0.00	0.00	0.00	1.00E+00	no
Areg	0.00	0.00	0.00	1.00E+00	no
Arfgap1	21.99	21.75	0.00	1.00E+00	no
Arhgap17	47.82	42.64	0.00	1.00E+00	no
Arhgap36	0.00	0.00	0.00	1.00E+00	no
Arhgap40	0.00	0.00	0.00	1.00E+00	no
Arhgap8	0.00	0.00	0.00	1.00E+00	no
Arhgef16	0.00	0.00	0.00	1.00E+00	no
Arhgef2	36.94	39.99	0.00	1.00E+00	no
Arhgef25	0.00	0.00	0.00	1.00E+00	no
Arhgef38	0.00	0.00	0.00	1.00E+00	no
Arhgef40	0.00	0.00	0.00	1.00E+00	no
Arid3c	0.00	0.00	0.00	1.00E+00	no
Arl14	0.00	0.00	0.00	1.00E+00	no
Armc4	0.00	0.00	0.00	1.00E+00	no
Arpm1	0.00	0.00	0.00	1.00E+00	no
Arr3	0.00	0.00	0.00	1.00E+00	no
Arsj	0.00	0.00	0.00	1.00E+00	no
Art2a-ps	0.00	0.00	0.00	1.00E+00	no
Arx	0.00	0.00	0.00	1.00E+00	no
Asb11	0.00	0.00	0.00	1.00E+00	no

Asb12	0.00	0.00	0.00	1.00E+00	no
Asb13	8.65	13.21	0.00	1.00E+00	no
Asb16	0.00	0.00	0.00	1.00E+00	no
Asb18	0.00	0.00	0.00	1.00E+00	no
Asb9	0.00	0.00	0.00	1.00E+00	no
Ascl1	0.00	0.00	0.00	1.00E+00	no
Asgr1	0.00	0.00	0.00	1.00E+00	no
Asgr2	0.00	0.00	0.00	1.00E+00	no
Aspdh	0.00	0.00	0.00	1.00E+00	no
Aspg	0.00	0.00	0.00	1.00E+00	no
Astn2	0.00	0.00	0.00	1.00E+00	no
Asxl3	0.00	0.00	0.00	1.00E+00	no
Asz1	0.00	0.00	0.00	1.00E+00	no
Atp12a	0.00	0.00	0.00	1.00E+00	no
Atp13a4	0.00	0.00	0.00	1.00E+00	no
Atp13a5	0.00	0.00	0.00	1.00E+00	no
Atp1a2	0.00	0.00	0.00	1.00E+00	no
Atp1b4	0.00	0.00	0.00	1.00E+00	no
Atp2b2	0.00	0.00	0.00	1.00E+00	no
Atp2b3	0.00	0.00	0.00	1.00E+00	no
Atp6v1g3	0.00	0.00	0.00	1.00E+00	no
Atp8b5	0.00	0.00	0.00	1.00E+00	no
Aurkc	0.00	0.00	0.00	1.00E+00	no
Avp	0.00	0.00	0.00	1.00E+00	no
Awat1	0.00	0.00	0.00	1.00E+00	no
Aym1	0.00	0.00	0.00	1.00E+00	no
Azgp1	0.00	0.00	0.00	1.00E+00	no
B020004J07Ril	0.00	0.00	0.00	1.00E+00	no
B020031M17R	0.00	0.00	0.00	1.00E+00	no
B3galt1	0.00	0.00	0.00	1.00E+00	no
B3galt5	0.00	0.00	0.00	1.00E+00	no
B3gat1	0.00	0.00	0.00	1.00E+00	no
B430010I23Ril	0.00	0.00	0.00	1.00E+00	no
B4galnt3	0.00	0.00	0.00	1.00E+00	no
B830017H08Ril	0.00	0.00	0.00	1.00E+00	no
BB014433	0.00	0.00	0.00	1.00E+00	no
BB019430	0.00	0.00	0.00	1.00E+00	no
BB031773	0.00	0.00	0.00	1.00E+00	no
BB123696	0.00	0.00	0.00	1.00E+00	no
BB287469	0.00	0.00	0.00	1.00E+00	no
BC006965	0.00	0.00	0.00	1.00E+00	no
BC014805	0.00	0.00	0.00	1.00E+00	no

BC018473	0.00	0.00	0.00	1.00E+00	no
BC021891	0.00	0.00	0.00	1.00E+00	no
BC024139	0.00	0.00	0.00	1.00E+00	no
BC024386	0.00	0.00	0.00	1.00E+00	no
BC026439	0.00	0.00	0.00	1.00E+00	no
BC027072	0.00	0.00	0.00	1.00E+00	no
BC030500	0.00	0.00	0.00	1.00E+00	no
BC030870	0.00	0.00	0.00	1.00E+00	no
BC037703	0.00	0.00	0.00	1.00E+00	no
BC048502	0.00	0.00	0.00	1.00E+00	no
BC048599	0.00	0.00	0.00	1.00E+00	no
BC048679	0.00	0.00	0.00	1.00E+00	no
BC051070	0.00	0.00	0.00	1.00E+00	no
BC051665	0.00	0.00	0.00	1.00E+00	no
BC053393	0.00	0.00	0.00	1.00E+00	no
BC061212	0.00	0.00	0.00	1.00E+00	no
BC061237	0.00	0.00	0.00	1.00E+00	no
BC066135	0.00	0.00	0.00	1.00E+00	no
BC080695	0.00	0.00	0.00	1.00E+00	no
BC085271	0.00	0.00	0.00	1.00E+00	no
BC089491	0.00	0.00	0.00	1.00E+00	no
BC089597	0.00	0.00	0.00	1.00E+00	no
BC090627,Chk	1.24	0.00	0.00	1.00E+00	no
BC096441	0.00	0.00	0.00	1.00E+00	no
BC117090	0.00	0.00	0.00	1.00E+00	no
BC147527	0.00	0.00	0.00	1.00E+00	no
Baalc	0.00	0.00	0.00	1.00E+00	no
Baat	0.00	0.00	0.00	1.00E+00	no
Bace2	0.00	0.00	0.00	1.00E+00	no
Bai1	0.00	0.00	0.00	1.00E+00	no
Bai2	0.00	0.00	0.00	1.00E+00	no
Bai3	0.00	0.00	0.00	1.00E+00	no
Barhl2	0.00	0.00	0.00	1.00E+00	no
Barx1	0.00	0.00	0.00	1.00E+00	no
Barx2	0.00	0.00	0.00	1.00E+00	no
Batf3	0.00	0.00	0.00	1.00E+00	no
Bbox1	0.00	0.00	0.00	1.00E+00	no
Bc1	0.00	0.00	0.00	1.00E+00	no
Bcan	0.00	0.00	0.00	1.00E+00	no
Bcar1	0.00	0.00	0.00	1.00E+00	no
Bche	0.00	0.00	0.00	1.00E+00	no
Bcl11b	0.00	0.00	0.00	1.00E+00	no

Bcl2a1c	0.00	0.00	0.00	1.00E+00	no
Bcl2l10	0.00	0.00	0.00	1.00E+00	no
Bcmo1	0.00	0.00	0.00	1.00E+00	no
Bcor	34.73	26.49	0.00	1.00E+00	no
Bdh2	0.00	0.00	0.00	1.00E+00	no
Bdnf	0.00	0.00	0.00	1.00E+00	no
Bean1	0.00	0.00	0.00	1.00E+00	no
Bend7	0.00	0.00	0.00	1.00E+00	no
Best2	0.00	0.00	0.00	1.00E+00	no
Bet3l	0.00	0.00	0.00	1.00E+00	no
Bhlha9	0.00	0.00	0.00	1.00E+00	no
Bhlhe22	0.00	0.00	0.00	1.00E+00	no
Bhlhe23	0.00	0.00	0.00	1.00E+00	no
Bhmt	0.00	0.00	0.00	1.00E+00	no
Bhmt2	0.00	0.00	0.00	1.00E+00	no
Bicc1	0.00	0.00	0.00	1.00E+00	no
Birc7	0.00	0.00	0.00	1.00E+00	no
Bmp10	0.00	0.00	0.00	1.00E+00	no
Bmp15	0.00	0.00	0.00	1.00E+00	no
Bmp3	0.00	0.00	0.00	1.00E+00	no
Bmp5	0.00	0.00	0.00	1.00E+00	no
Bmp8b	0.00	0.00	0.00	1.00E+00	no
Bmper	0.00	0.00	0.00	1.00E+00	no
Bmpr1a	0.00	0.00	0.00	1.00E+00	no
Bmpr1b	0.00	0.00	0.00	1.00E+00	no
Bnc1	0.00	0.00	0.00	1.00E+00	no
Bnc2	0.00	0.00	0.00	1.00E+00	no
Brox	0.00	0.00	0.00	1.00E+00	no
Brs3	0.00	0.00	0.00	1.00E+00	no
Bsph1	0.00	0.00	0.00	1.00E+00	no
Bsx	0.00	0.00	0.00	1.00E+00	no
Btg3	0.00	0.00	0.00	1.00E+00	no
Btg4	0.00	0.00	0.00	1.00E+00	no
Btnl5	0.00	0.00	0.00	1.00E+00	no
Btnl6	0.00	0.00	0.00	1.00E+00	no
C030002c11rik	0.00	0.00	0.00	1.00E+00	no
C030023E24Ri	0.00	0.00	0.00	1.00E+00	no
C130026L21Ri	0.00	0.00	0.00	1.00E+00	no
C130071C03Ri	0.00	0.00	0.00	1.00E+00	no
C130074G19Ri	0.00	0.00	0.00	1.00E+00	no
C130079G13Ri	0.00	0.00	0.00	1.00E+00	no
C130080G10Ri	0.00	0.00	0.00	1.00E+00	no

C1ql2	0.00	0.00	0.00	1.00E+00	no
C1qtnf2	0.00	0.00	0.00	1.00E+00	no
C1qtnf7	0.00	0.00	0.00	1.00E+00	no
C1s	0.00	0.00	0.00	1.00E+00	no
C230004F18Ri	0.00	0.00	0.00	1.00E+00	no
C2cd4a	0.00	0.00	0.00	1.00E+00	no
C2cd4b	0.00	0.00	0.00	1.00E+00	no
C2cd4c	0.00	0.00	0.00	1.00E+00	no
C330005M16R	0.00	0.00	0.00	1.00E+00	no
C330024D21Ri	0.00	0.00	0.00	1.00E+00	no
C4bp	0.00	0.00	0.00	1.00E+00	no
C530028O21R	0.00	0.00	0.00	1.00E+00	no
C5ar1	0.00	0.00	0.00	1.00E+00	no
C6	0.00	0.00	0.00	1.00E+00	no
C730048C13Ri	0.00	0.00	0.00	1.00E+00	no
C77370	0.00	0.00	0.00	1.00E+00	no
C86187	0.00	0.00	0.00	1.00E+00	no
C87414	0.00	0.00	0.00	1.00E+00	no
C87499	0.00	0.00	0.00	1.00E+00	no
C87977	0.00	0.00	0.00	1.00E+00	no
C8a	0.00	0.00	0.00	1.00E+00	no
C8b	0.00	0.00	0.00	1.00E+00	no
C9	0.00	0.00	0.00	1.00E+00	no
CK137956	0.00	0.00	0.00	1.00E+00	no
Cabp2	0.00	0.00	0.00	1.00E+00	no
Cacna1g	0.00	0.00	0.00	1.00E+00	no
Cacna1s	0.00	0.00	0.00	1.00E+00	no
Cacna2d1	4.61	4.14	0.00	1.00E+00	no
Cacna2d2	0.00	0.00	0.00	1.00E+00	no
Cacna2d3	0.00	0.00	0.00	1.00E+00	no
Cacng1	0.00	0.00	0.00	1.00E+00	no
Cacng3	0.00	0.00	0.00	1.00E+00	no
Cacng4	0.00	0.00	0.00	1.00E+00	no
Cacng5	0.00	0.00	0.00	1.00E+00	no
Cacng6	0.00	0.00	0.00	1.00E+00	no
Cacng7	0.00	0.00	0.00	1.00E+00	no
Cacng8	0.00	0.00	0.00	1.00E+00	no
Cadm1	0.00	0.00	0.00	1.00E+00	no
Cadm2	0.00	0.00	0.00	1.00E+00	no
Cadps	0.00	0.00	0.00	1.00E+00	no
Calb1	0.00	0.00	0.00	1.00E+00	no
Calb2	0.00	0.00	0.00	1.00E+00	no

Calca	0.00	0.00	0.00	1.00E+00	no
Calcb	0.00	0.00	0.00	1.00E+00	no
Calcoco2	0.00	0.00	0.00	1.00E+00	no
Calcr	0.00	0.00	0.00	1.00E+00	no
Calhm1	0.00	0.00	0.00	1.00E+00	no
Calm4	0.00	0.00	0.00	1.00E+00	no
Calm5	0.00	0.00	0.00	1.00E+00	no
Calml3	0.00	0.00	0.00	1.00E+00	no
Caln1	0.00	0.00	0.00	1.00E+00	no
Calr4	0.00	0.00	0.00	1.00E+00	no
Caly	0.00	0.00	0.00	1.00E+00	no
Canx	77.11	72.93	0.00	1.00E+00	no
Capn13	0.00	0.00	0.00	1.00E+00	no
Capn6	0.00	0.00	0.00	1.00E+00	no
Capn8	0.00	0.00	0.00	1.00E+00	no
Capn9	0.00	0.00	0.00	1.00E+00	no
Caps2	0.00	0.00	0.00	1.00E+00	no
Capza3	0.00	0.00	0.00	1.00E+00	no
Car10	0.00	0.00	0.00	1.00E+00	no
Car6	0.00	0.00	0.00	1.00E+00	no
Car8	0.00	0.00	0.00	1.00E+00	no
Casp14	0.00	0.00	0.00	1.00E+00	no
Casq2	0.00	0.00	0.00	1.00E+00	no
Catsper1	0.00	0.00	0.00	1.00E+00	no
Catsper4	0.00	0.00	0.00	1.00E+00	no
Catsperb	0.00	0.00	0.00	1.00E+00	no
Cav1	0.00	0.00	0.00	1.00E+00	no
Cav3	0.00	0.00	0.00	1.00E+00	no
Cbln4	0.00	0.00	0.00	1.00E+00	no
Ccdc105	0.00	0.00	0.00	1.00E+00	no
Ccdc108	0.00	0.00	0.00	1.00E+00	no
Ccdc113	0.00	0.00	0.00	1.00E+00	no
Ccdc121	0.00	0.00	0.00	1.00E+00	no
Ccdc129	0.00	0.00	0.00	1.00E+00	no
Ccdc148	0.00	0.00	0.00	1.00E+00	no
Ccdc151	0.00	0.00	0.00	1.00E+00	no
Ccdc153	0.00	0.00	0.00	1.00E+00	no
Ccdc159	0.00	0.00	0.00	1.00E+00	no
Ccdc160	0.00	0.00	0.00	1.00E+00	no
Ccdc24	0.00	0.00	0.00	1.00E+00	no
Ccdc27	0.00	0.00	0.00	1.00E+00	no
Ccdc3	0.00	0.00	0.00	1.00E+00	no

Ccdc54	0.00	0.00	0.00	1.00E+00	no
Ccdc67	0.00	0.00	0.00	1.00E+00	no
Ccdc68	0.00	0.00	0.00	1.00E+00	no
Ccdc7	0.00	0.00	0.00	1.00E+00	no
Ccdc70	0.00	0.00	0.00	1.00E+00	no
Ccdc81	0.00	0.00	0.00	1.00E+00	no
Ccdc82	0.00	0.00	0.00	1.00E+00	no
Ccdc83	0.00	0.00	0.00	1.00E+00	no
Ccdc87	0.00	0.00	0.00	1.00E+00	no
Ccdc93	6.16	8.41	0.00	1.00E+00	no
Cck	0.00	0.00	0.00	1.00E+00	no
Cckar	0.00	0.00	0.00	1.00E+00	no
Cckbr	0.00	0.00	0.00	1.00E+00	no
Ccl1	0.00	0.00	0.00	1.00E+00	no
Ccl11	0.00	0.00	0.00	1.00E+00	no
Ccl12	0.00	0.00	0.00	1.00E+00	no
Ccl19	0.00	0.00	0.00	1.00E+00	no
Ccl2	0.00	0.00	0.00	1.00E+00	no
Ccl20	0.00	0.00	0.00	1.00E+00	no
Ccl21a,Gm198	0.00	0.00	0.00	1.00E+00	no
Ccl21b,Gm133	0.00	0.00	0.00	1.00E+00	no
Ccl21c	0.00	0.00	0.00	1.00E+00	no
Ccl24	0.00	0.00	0.00	1.00E+00	no
Ccl26	0.00	0.00	0.00	1.00E+00	no
Ccl28	0.00	0.00	0.00	1.00E+00	no
Ccl7	0.00	0.00	0.00	1.00E+00	no
Ccl8	0.00	0.00	0.00	1.00E+00	no
Ccna1	0.00	0.00	0.00	1.00E+00	no
Ccnb1ip1	0.00	0.00	0.00	1.00E+00	no
Ccnb3	0.00	0.00	0.00	1.00E+00	no
Ccr11	0.00	0.00	0.00	1.00E+00	no
Ccr8	0.00	0.00	0.00	1.00E+00	no
Cd101	0.00	0.00	0.00	1.00E+00	no
Cd109	0.00	0.00	0.00	1.00E+00	no
Cd164l2	0.00	0.00	0.00	1.00E+00	no
Cd200r3	0.00	0.00	0.00	1.00E+00	no
Cd207	0.00	0.00	0.00	1.00E+00	no
Cd226	0.00	0.00	0.00	1.00E+00	no
Cd300e	0.00	0.00	0.00	1.00E+00	no
Cd300lh	0.00	0.00	0.00	1.00E+00	no
Cd3g	0.00	0.00	0.00	1.00E+00	no
Cd40	2.23	0.00	0.00	1.00E+00	no

Cd40lg	0.00	0.00	0.00	1.00E+00	no
Cd6	0.00	0.00	0.00	1.00E+00	no
Cd70	0.00	0.00	0.00	1.00E+00	no
Cd8a	0.00	0.00	0.00	1.00E+00	no
Cdc42ep1	0.00	0.00	0.00	1.00E+00	no
Cdc42ep5	0.00	0.00	0.00	1.00E+00	no
Cdh12	0.00	0.00	0.00	1.00E+00	no
Cdh13	0.00	0.00	0.00	1.00E+00	no
Cdh18	0.00	0.00	0.00	1.00E+00	no
Cdh19	0.00	0.00	0.00	1.00E+00	no
Cdh2	0.00	0.00	0.00	1.00E+00	no
Cdh20	0.00	0.00	0.00	1.00E+00	no
Cdh23	0.01	0.00	0.00	1.00E+00	no
Cdh26	0.00	0.00	0.00	1.00E+00	no
Cdh3	0.00	0.00	0.00	1.00E+00	no
Cdh7	0.00	0.00	0.00	1.00E+00	no
Cdh8	0.00	0.00	0.00	1.00E+00	no
Cdh9	0.00	0.00	0.00	1.00E+00	no
Cdhr2	0.00	0.00	0.00	1.00E+00	no
Cdhr3	0.00	0.00	0.00	1.00E+00	no
Cdk15	0.00	0.00	0.00	1.00E+00	no
Cdr1	0.00	0.00	0.00	1.00E+00	no
Cdrt4	0.00	0.00	0.00	1.00E+00	no
Cdsn	0.00	0.00	0.00	1.00E+00	no
Cdv3	81.54	62.31	0.00	1.00E+00	no
Cdx1	0.00	0.00	0.00	1.00E+00	no
Cdx2	0.00	0.00	0.00	1.00E+00	no
Cdx4	0.00	0.00	0.00	1.00E+00	no
Ceacam-ps1	0.00	0.00	0.00	1.00E+00	no
Ceacam1	12.17	9.71	0.00	1.00E+00	no
Ceacam11	0.00	0.00	0.00	1.00E+00	no
Ceacam12	0.00	0.00	0.00	1.00E+00	no
Ceacam13	0.00	0.00	0.00	1.00E+00	no
Ceacam14	0.00	0.00	0.00	1.00E+00	no
Ceacam15	0.00	0.00	0.00	1.00E+00	no
Ceacam2	4.30	4.26	0.00	1.00E+00	no
Ceacam20	0.00	0.00	0.00	1.00E+00	no
Ceacam5	0.00	0.00	0.00	1.00E+00	no
Cela2a	0.00	0.00	0.00	1.00E+00	no
Cela3b	0.00	0.00	0.00	1.00E+00	no
Celf4	0.00	0.00	0.00	1.00E+00	no
Celf6	0.00	0.00	0.00	1.00E+00	no

Cend1	0.00	0.00	0.00	1.00E+00	no
Cep250	29.97	34.85	0.00	1.00E+00	no
Cer1	0.00	0.00	0.00	1.00E+00	no
Ces1a	0.00	0.00	0.00	1.00E+00	no
Ces1b	0.00	0.00	0.00	1.00E+00	no
Ces1c	0.00	0.00	0.00	1.00E+00	no
Ces1d	0.00	0.00	0.00	1.00E+00	no
Ces1e	0.00	0.00	0.00	1.00E+00	no
Ces1f	0.00	0.00	0.00	1.00E+00	no
Ces1g	0.00	0.00	0.00	1.00E+00	no
Ces2a	0.00	0.00	0.00	1.00E+00	no
Ces2b	0.00	0.00	0.00	1.00E+00	no
Ces2e	0.00	0.00	0.00	1.00E+00	no
Ces2f	0.00	0.00	0.00	1.00E+00	no
Ces3a	0.00	0.00	0.00	1.00E+00	no
Ces3b	0.00	0.00	0.00	1.00E+00	no
Ces4a	0.00	0.00	0.00	1.00E+00	no
Ces5a	0.00	0.00	0.00	1.00E+00	no
Cetn1	0.00	0.00	0.00	1.00E+00	no
Cfb	0.00	0.00	0.00	1.00E+00	no
Cfd	0.00	0.00	0.00	1.00E+00	no
Cfhr1	0.00	0.00	0.00	1.00E+00	no
Cga	0.00	0.00	0.00	1.00E+00	no
Ch25h	0.00	0.00	0.00	1.00E+00	no
Chat	0.00	0.00	0.00	1.00E+00	no
Chia	0.00	0.00	0.00	1.00E+00	no
Chodl	0.00	0.00	0.00	1.00E+00	no
Chrd	0.00	0.00	0.00	1.00E+00	no
Chrdl1	0.00	0.00	0.00	1.00E+00	no
Chrdl2	0.00	0.00	0.00	1.00E+00	no
Chrm1	0.00	0.00	0.00	1.00E+00	no
Chrm2	0.00	0.00	0.00	1.00E+00	no
Chrm5	0.00	0.00	0.00	1.00E+00	no
Chrna1	0.00	0.00	0.00	1.00E+00	no
Chrna3	0.00	0.00	0.00	1.00E+00	no
Chrna4	0.00	0.00	0.00	1.00E+00	no
Chrna5	0.00	0.00	0.00	1.00E+00	no
Chrna6	0.00	0.00	0.00	1.00E+00	no
Chrna7	0.00	0.00	0.00	1.00E+00	no
Chrb3	0.00	0.00	0.00	1.00E+00	no
Chrnd	0.00	0.00	0.00	1.00E+00	no
Chrne	0.00	0.00	0.00	1.00E+00	no

Chrng	0.00	0.00	0.00	1.00E+00	no
Chst4	0.00	0.00	0.00	1.00E+00	no
Chst5	0.00	0.00	0.00	1.00E+00	no
Chst8	0.00	0.00	0.00	1.00E+00	no
Chst9	0.00	0.00	0.00	1.00E+00	no
Chsy3	0.00	0.00	0.00	1.00E+00	no
Cib4	0.00	0.00	0.00	1.00E+00	no
Cic	48.88	39.91	0.00	1.00E+00	no
Cidea	0.00	0.00	0.00	1.00E+00	no
Cidec	0.00	0.00	0.00	1.00E+00	no
Ckmt2	0.00	0.00	0.00	1.00E+00	no
Clca3	0.00	0.00	0.00	1.00E+00	no
Clca4	0.00	0.00	0.00	1.00E+00	no
Clca5	0.00	0.00	0.00	1.00E+00	no
Clca6	0.00	0.00	0.00	1.00E+00	no
Clcnka	0.00	0.00	0.00	1.00E+00	no
Clcnkb	0.00	0.00	0.00	1.00E+00	no
Cldn10	4.41	0.00	0.00	1.00E+00	no
Cldn11	0.00	0.00	0.00	1.00E+00	no
Cldn14	0.00	0.00	0.00	1.00E+00	no
Cldn16	0.00	0.00	0.00	1.00E+00	no
Cldn17	0.00	0.00	0.00	1.00E+00	no
Cldn18	0.00	0.00	0.00	1.00E+00	no
Cldn23	0.00	0.00	0.00	1.00E+00	no
Cldn5	0.00	0.00	0.00	1.00E+00	no
Cldn6	0.00	0.00	0.00	1.00E+00	no
Cldn8	0.00	0.00	0.00	1.00E+00	no
Cldn9	0.00	0.00	0.00	1.00E+00	no
Clec12b	0.00	0.00	0.00	1.00E+00	no
Clec3a	0.00	0.00	0.00	1.00E+00	no
Clec4a2	0.00	0.00	0.00	1.00E+00	no
Clec4b1	0.00	0.00	0.00	1.00E+00	no
Clec4d	0.00	0.00	0.00	1.00E+00	no
Clmn	0.00	0.00	0.00	1.00E+00	no
Clps	0.00	0.00	0.00	1.00E+00	no
Clrn1	0.00	0.00	0.00	1.00E+00	no
Clrn2	0.00	0.00	0.00	1.00E+00	no
Clstn2	0.00	0.00	0.00	1.00E+00	no
Clu	0.00	0.00	0.00	1.00E+00	no
Clvs1	0.00	0.00	0.00	1.00E+00	no
Clvs2	0.00	0.00	0.00	1.00E+00	no
Cma1	0.00	0.00	0.00	1.00E+00	no

Cma2	0.00	0.00	0.00	1.00E+00	no
Cml3	0.00	0.00	0.00	1.00E+00	no
Cml5	0.00	0.00	0.00	1.00E+00	no
Cmtm2b	0.00	0.00	0.00	1.00E+00	no
Cmtm5	0.00	0.00	0.00	1.00E+00	no
Cndp1	0.00	0.00	0.00	1.00E+00	no
Cnfn	0.00	0.00	0.00	1.00E+00	no
Cnga1	0.00	0.00	0.00	1.00E+00	no
Cnga2	0.00	0.00	0.00	1.00E+00	no
Cnga3	0.00	0.00	0.00	1.00E+00	no
Cnih3	0.00	0.00	0.00	1.00E+00	no
Cnot4	17.72	15.93	0.00	1.00E+00	no
Cnpy1	0.00	0.00	0.00	1.00E+00	no
Cnr1	0.00	0.00	0.00	1.00E+00	no
Cntfr	0.00	0.00	0.00	1.00E+00	no
Cntn1	0.00	0.00	0.00	1.00E+00	no
Cntn3	0.00	0.00	0.00	1.00E+00	no
Cntn5	0.00	0.00	0.00	1.00E+00	no
Cntn6	0.00	0.00	0.00	1.00E+00	no
Cntnap2	0.00	0.00	0.00	1.00E+00	no
Cntnap3	0.00	0.00	0.00	1.00E+00	no
Cntnap4	0.00	0.00	0.00	1.00E+00	no
Cntnap5a	0.00	0.00	0.00	1.00E+00	no
Cntnap5b	0.00	0.00	0.00	1.00E+00	no
Cntnap5c	0.00	0.00	0.00	1.00E+00	no
Coch	0.00	0.00	0.00	1.00E+00	no
Col11a1	0.00	0.00	0.00	1.00E+00	no
Col13a1	0.00	0.00	0.00	1.00E+00	no
Col22a1	0.00	0.00	0.00	1.00E+00	no
Col24a1	0.00	0.00	0.00	1.00E+00	no
Col2a1	0.00	0.00	0.00	1.00E+00	no
Col3a1	0.00	0.00	0.00	1.00E+00	no
Col4a5	0.00	0.00	0.00	1.00E+00	no
Col6a1	0.00	0.00	0.00	1.00E+00	no
Col8a1	0.00	0.00	0.00	1.00E+00	no
Col8a2	0.00	0.00	0.00	1.00E+00	no
Col9a1	0.00	0.00	0.00	1.00E+00	no
Col9a2	0.00	0.00	0.00	1.00E+00	no
Colec10	0.00	0.00	0.00	1.00E+00	no
Corin	0.00	0.00	0.00	1.00E+00	no
Cox7b2	0.00	0.00	0.00	1.00E+00	no
Cox8b	0.00	0.00	0.00	1.00E+00	no

Cox8c	0.00	0.00	0.00	1.00E+00	no
Cpa1	0.00	0.00	0.00	1.00E+00	no
Cpa2	0.00	0.00	0.00	1.00E+00	no
Cpa4	0.00	0.00	0.00	1.00E+00	no
Cpa5	0.00	0.00	0.00	1.00E+00	no
Cpa6	0.00	0.00	0.00	1.00E+00	no
Cpb1	0.00	0.00	0.00	1.00E+00	no
Cpb2	0.00	0.00	0.00	1.00E+00	no
Cpe	0.00	0.00	0.00	1.00E+00	no
Cphx	0.00	0.00	0.00	1.00E+00	no
Cplx3	0.00	0.00	0.00	1.00E+00	no
Cplx4	0.00	0.00	0.00	1.00E+00	no
Cpne4	0.00	0.00	0.00	1.00E+00	no
Cpne6	0.00	0.00	0.00	1.00E+00	no
Cps1	0.00	0.00	0.00	1.00E+00	no
Cpvl	0.00	0.00	0.00	1.00E+00	no
Cpxcr1	0.00	0.00	0.00	1.00E+00	no
Cpxm2	0.00	0.00	0.00	1.00E+00	no
Cpz	0.00	0.00	0.00	1.00E+00	no
Crabp1	0.00	0.00	0.00	1.00E+00	no
Crct1	0.00	0.00	0.00	1.00E+00	no
Creg2	0.00	0.00	0.00	1.00E+00	no
Crh	0.00	0.00	0.00	1.00E+00	no
Crhr2	0.00	0.00	0.00	1.00E+00	no
Crip3	0.00	0.00	0.00	1.00E+00	no
Crisp2	0.00	0.00	0.00	1.00E+00	no
Crisp3	0.00	0.00	0.00	1.00E+00	no
Crisp4	0.00	0.00	0.00	1.00E+00	no
Crnn	0.00	0.00	0.00	1.00E+00	no
Crp	0.00	0.00	0.00	1.00E+00	no
Crx	0.00	0.00	0.00	1.00E+00	no
Crxos1	0.00	0.00	0.00	1.00E+00	no
Cryba1	0.00	0.00	0.00	1.00E+00	no
Cryba2	0.00	0.00	0.00	1.00E+00	no
Crybb2	0.00	0.00	0.00	1.00E+00	no
Cryga	0.00	0.00	0.00	1.00E+00	no
Crygb	0.00	0.00	0.00	1.00E+00	no
Crygc	0.00	0.00	0.00	1.00E+00	no
Crygd	0.00	0.00	0.00	1.00E+00	no
Cryge	0.00	0.00	0.00	1.00E+00	no
Crygf	0.00	0.00	0.00	1.00E+00	no
Crygs	0.00	0.00	0.00	1.00E+00	no

Csf2	0.00	0.00	0.00	1.00E+00	no
Csmd3	0.00	0.00	0.00	1.00E+00	no
Csn1s1	0.00	0.00	0.00	1.00E+00	no
Csn1s2a	0.00	0.00	0.00	1.00E+00	no
Csn1s2b	0.00	0.00	0.00	1.00E+00	no
Csn2	0.00	0.00	0.00	1.00E+00	no
Csn3	0.00	0.00	0.00	1.00E+00	no
Csnka2ip	0.00	0.00	0.00	1.00E+00	no
Cspg5	0.00	0.00	0.00	1.00E+00	no
Csprs	0.00	0.00	0.00	1.00E+00	no
Csrnp3	0.00	0.00	0.00	1.00E+00	no
Csrp3	0.00	0.00	0.00	1.00E+00	no
Cst10	0.00	0.00	0.00	1.00E+00	no
Cst11	0.00	0.00	0.00	1.00E+00	no
Cst12	0.00	0.00	0.00	1.00E+00	no
Cst13	0.00	0.00	0.00	1.00E+00	no
Cst6	0.00	0.00	0.00	1.00E+00	no
Cst8	0.00	0.00	0.00	1.00E+00	no
Cst9	0.00	0.00	0.00	1.00E+00	no
Cstl1	0.00	0.00	0.00	1.00E+00	no
Ctag2	0.00	0.00	0.00	1.00E+00	no
Ctcfl	0.00	0.00	0.00	1.00E+00	no
Ctgf	0.00	0.00	0.00	1.00E+00	no
Cthrc1	0.00	0.00	0.00	1.00E+00	no
Ctnna2	0.00	0.00	0.00	1.00E+00	no
Ctrb1	0.00	0.00	0.00	1.00E+00	no
Ctrc	0.00	0.00	0.00	1.00E+00	no
Cts3	0.00	0.00	0.00	1.00E+00	no
Cts6	0.00	0.00	0.00	1.00E+00	no
Cts7	0.00	0.00	0.00	1.00E+00	no
Cts8	0.00	0.00	0.00	1.00E+00	no
Cts8-ps	0.00	0.00	0.00	1.00E+00	no
Ctsj	0.00	0.00	0.00	1.00E+00	no
Ctsll3	0.00	0.00	0.00	1.00E+00	no
Ctsm	0.00	0.00	0.00	1.00E+00	no
Ctsq	0.00	0.00	0.00	1.00E+00	no
Ctsr	0.00	0.00	0.00	1.00E+00	no
Cttnbp2nl	0.00	0.00	0.00	1.00E+00	no
Ctxn2	0.00	0.00	0.00	1.00E+00	no
Ctxn3	0.00	0.00	0.00	1.00E+00	no
Cuedc2	23.33	27.25	0.00	1.00E+00	no
Cuzd1	0.00	0.00	0.00	1.00E+00	no

Cwh43	0.00	0.00	0.00	1.00E+00	no
Cxcl1	0.00	0.00	0.00	1.00E+00	no
Cxcl11	0.00	0.00	0.00	1.00E+00	no
Cxcl13	0.00	0.00	0.00	1.00E+00	no
Cxcl14	0.00	0.00	0.00	1.00E+00	no
Cxcl15	0.00	0.00	0.00	1.00E+00	no
Cxcl17	0.00	0.00	0.00	1.00E+00	no
Cxcl2	0.00	0.00	0.00	1.00E+00	no
Cxcl3	0.00	0.00	0.00	1.00E+00	no
Cxcl5	0.00	0.00	0.00	1.00E+00	no
Cxcr1	0.00	0.00	0.00	1.00E+00	no
Cxxc4	0.00	0.00	0.00	1.00E+00	no
Cyb5r2	0.00	0.00	0.00	1.00E+00	no
Cyct	0.00	0.00	0.00	1.00E+00	no
Cylc1	0.00	0.00	0.00	1.00E+00	no
Cylc2	0.00	0.00	0.00	1.00E+00	no
Cym	0.00	0.00	0.00	1.00E+00	no
Cyp19a1	0.00	0.00	0.00	1.00E+00	no
Cyp1a1	0.00	0.00	0.00	1.00E+00	no
Cyp1a2	0.00	0.00	0.00	1.00E+00	no
Cyp1b1	0.00	0.00	0.00	1.00E+00	no
Cyp24a1	0.00	0.00	0.00	1.00E+00	no
Cyp26b1	0.00	0.00	0.00	1.00E+00	no
Cyp2a22	0.00	0.00	0.00	1.00E+00	no
Cyp2a4	0.00	0.00	0.00	1.00E+00	no
Cyp2a5	0.00	0.00	0.00	1.00E+00	no
Cyp2b10	0.00	0.00	0.00	1.00E+00	no
Cyp2b13	0.00	0.00	0.00	1.00E+00	no
Cyp2b19	0.00	0.00	0.00	1.00E+00	no
Cyp2b23	0.00	0.00	0.00	1.00E+00	no
Cyp2b9	0.00	0.00	0.00	1.00E+00	no
Cyp2c29	0.00	0.00	0.00	1.00E+00	no
Cyp2c37	0.00	0.00	0.00	1.00E+00	no
Cyp2c38	0.00	0.00	0.00	1.00E+00	no
Cyp2c39	0.00	0.00	0.00	1.00E+00	no
Cyp2c40	0.00	0.00	0.00	1.00E+00	no
Cyp2c44	0.00	0.00	0.00	1.00E+00	no
Cyp2c50	0.00	0.00	0.00	1.00E+00	no
Cyp2c53-ps	0.00	0.00	0.00	1.00E+00	no
Cyp2c54	0.00	0.00	0.00	1.00E+00	no
Cyp2c55	0.00	0.00	0.00	1.00E+00	no
Cyp2c65	0.00	0.00	0.00	1.00E+00	no

Cyp2c66	0.00	0.00	0.00	1.00E+00	no
Cyp2c67	0.00	0.00	0.00	1.00E+00	no
Cyp2c68	0.00	0.00	0.00	1.00E+00	no
Cyp2c69	0.00	0.00	0.00	1.00E+00	no
Cyp2c70	0.00	0.00	0.00	1.00E+00	no
Cyp2d11	0.00	0.00	0.00	1.00E+00	no
Cyp2d12	0.00	0.00	0.00	1.00E+00	no
Cyp2d13	0.00	0.00	0.00	1.00E+00	no
Cyp2d22	1.62	1.24	0.00	1.00E+00	no
Cyp2d34	0.00	0.00	0.00	1.00E+00	no
Cyp2d37-ps	0.00	0.00	0.00	1.00E+00	no
Cyp2d40	0.00	0.00	0.00	1.00E+00	no
Cyp2d9	0.00	0.00	0.00	1.00E+00	no
Cyp2e1	0.00	0.00	0.00	1.00E+00	no
Cyp2f2	0.00	0.00	0.00	1.00E+00	no
Cyp2g1	0.00	0.00	0.00	1.00E+00	no
Cyp2j11-ps	0.00	0.00	0.00	1.00E+00	no
Cyp2j12-ps	0.00	0.00	0.00	1.00E+00	no
Cyp2j13	0.00	0.00	0.00	1.00E+00	no
Cyp2j5	0.00	0.00	0.00	1.00E+00	no
Cyp2w1	0.00	0.00	0.00	1.00E+00	no
Cyp3a11	0.00	0.00	0.00	1.00E+00	no
Cyp3a13	0.00	0.00	0.00	1.00E+00	no
Cyp3a16	0.00	0.00	0.00	1.00E+00	no
Cyp3a25	0.00	0.00	0.00	1.00E+00	no
Cyp3a41a	0.00	0.00	0.00	1.00E+00	no
Cyp3a41b	0.00	0.00	0.00	1.00E+00	no
Cyp3a44	0.00	0.00	0.00	1.00E+00	no
Cyp3a57	0.00	0.00	0.00	1.00E+00	no
Cyp3a59	0.00	0.00	0.00	1.00E+00	no
Cyp4a10	0.00	0.00	0.00	1.00E+00	no
Cyp4a12a	0.00	0.00	0.00	1.00E+00	no
Cyp4a12b	0.00	0.00	0.00	1.00E+00	no
Cyp4a14	0.00	0.00	0.00	1.00E+00	no
Cyp4a29-ps	0.00	0.00	0.00	1.00E+00	no
Cyp4a30b-ps	0.00	0.00	0.00	1.00E+00	no
Cyp4a31	0.00	0.00	0.00	1.00E+00	no
Cyp4a32	0.00	0.00	0.00	1.00E+00	no
Cyp4f39	0.00	0.00	0.00	1.00E+00	no
Cyp4x1	0.00	0.00	0.00	1.00E+00	no
Cyp7a1	0.00	0.00	0.00	1.00E+00	no
Cyp8b1	0.00	0.00	0.00	1.00E+00	no

Cypt1,Cypt8	0.00	0.00	0.00	1.00E+00	no
Cypt12	0.00	0.00	0.00	1.00E+00	no
Cypt14	0.00	0.00	0.00	1.00E+00	no
Cypt15	0.00	0.00	0.00	1.00E+00	no
Cypt2-ps	0.00	0.00	0.00	1.00E+00	no
Cypt3	0.00	0.00	0.00	1.00E+00	no
Cypt4,Cypt9	0.00	0.00	0.00	1.00E+00	no
Cypt7	0.00	0.00	0.00	1.00E+00	no
Cypt8	0.00	0.00	0.00	1.00E+00	no
Cypt9	0.00	0.00	0.00	1.00E+00	no
Cyr61	0.00	0.00	0.00	1.00E+00	no
Cys1	0.00	0.00	0.00	1.00E+00	no
Cyt11	0.00	0.00	0.00	1.00E+00	no
D030025P21Ri	0.00	0.00	0.00	1.00E+00	no
D030047H15R	0.00	0.00	0.00	1.00E+00	no
D130009I18Ril	0.00	0.00	0.00	1.00E+00	no
D430041D05R	0.00	0.00	0.00	1.00E+00	no
D430050G20	0.00	0.00	0.00	1.00E+00	no
D4Bwg0951e	0.00	0.00	0.00	1.00E+00	no
D5Ert577e,Gi	0.00	0.00	0.00	1.00E+00	no
D630002G06R	0.00	0.00	0.00	1.00E+00	no
D630003M21F	0.00	0.00	0.00	1.00E+00	no
D630023F18Ri	0.00	0.00	0.00	1.00E+00	no
D630042F21Ri	0.00	0.00	0.00	1.00E+00	no
D630042P16Ri	0.00	0.00	0.00	1.00E+00	no
D6Ert527e	0.00	0.00	0.00	1.00E+00	no
D730001G18R	0.00	0.00	0.00	1.00E+00	no
D730048I06Ril	0.00	0.00	0.00	1.00E+00	no
D7Ert443e	0.00	0.00	0.00	1.00E+00	no
D7Ert715e	0.00	0.00	0.00	1.00E+00	no
D830030K20Ri	0.00	0.00	0.00	1.00E+00	no
DXBay18,Gm1	0.00	0.00	0.00	1.00E+00	no
Dab1	0.00	0.00	0.00	1.00E+00	no
Dab2	0.00	0.00	0.00	1.00E+00	no
Dach1	0.00	0.00	0.00	1.00E+00	no
Dact1	0.00	0.00	0.00	1.00E+00	no
Dact2	0.00	0.00	0.00	1.00E+00	no
Dapl1	0.00	0.00	0.00	1.00E+00	no
Darc	0.00	0.00	0.00	1.00E+00	no
Dbc1	0.00	0.00	0.00	1.00E+00	no
Dbpht2	0.00	0.00	0.00	1.00E+00	no
Dcaf12l1	0.04	0.00	0.00	1.00E+00	no

Dcaf12l2	0.00	0.00	0.00	1.00E+00	no
Dcc	0.00	0.00	0.00	1.00E+00	no
Dcdc2c	0.00	0.00	0.00	1.00E+00	no
Dclk1	0.00	0.00	0.00	1.00E+00	no
Dclk3	0.00	0.00	0.00	1.00E+00	no
Dcn	0.00	0.00	0.00	1.00E+00	no
Dcpp1	0.00	0.00	0.00	1.00E+00	no
Dcpp2	0.00	0.00	0.00	1.00E+00	no
Dcpp3	0.00	0.00	0.00	1.00E+00	no
Dct	0.00	0.00	0.00	1.00E+00	no
Dcx	0.00	0.00	0.00	1.00E+00	no
Ddi1	0.00	0.00	0.00	1.00E+00	no
Ddo	0.00	0.00	0.00	1.00E+00	no
Ddr1	0.00	0.00	0.00	1.00E+00	no
Ddx19b	11.77	12.03	0.00	1.00E+00	no
Ddx4	0.18	0.00	0.00	1.00E+00	no
Defa-ps1	0.00	0.00	0.00	1.00E+00	no
Defa-ps12	0.00	0.00	0.00	1.00E+00	no
Defa-ps13	0.00	0.00	0.00	1.00E+00	no
Defa-rs1	0.00	0.00	0.00	1.00E+00	no
Defa-rs7,Defa2	0.00	0.00	0.00	1.00E+00	no
Defa17	0.00	0.00	0.00	1.00E+00	no
Defa20	0.00	0.00	0.00	1.00E+00	no
Defa21	0.00	0.00	0.00	1.00E+00	no
Defa22	0.00	0.00	0.00	1.00E+00	no
Defa23	0.00	0.00	0.00	1.00E+00	no
Defa24,Defa6	0.00	0.00	0.00	1.00E+00	no
Defa25	0.00	0.00	0.00	1.00E+00	no
Defa26	0.00	0.00	0.00	1.00E+00	no
Defa3	0.00	0.00	0.00	1.00E+00	no
Defa4	0.00	0.00	0.00	1.00E+00	no
Defa5	0.00	0.00	0.00	1.00E+00	no
Defa6	0.00	0.00	0.00	1.00E+00	no
Defb1	0.00	0.00	0.00	1.00E+00	no
Defb10	0.00	0.00	0.00	1.00E+00	no
Defb11	0.00	0.00	0.00	1.00E+00	no
Defb12	0.00	0.00	0.00	1.00E+00	no
Defb13	0.00	0.00	0.00	1.00E+00	no
Defb14	0.00	0.00	0.00	1.00E+00	no
Defb15	0.00	0.00	0.00	1.00E+00	no
Defb18	0.00	0.00	0.00	1.00E+00	no
Defb19	0.00	0.00	0.00	1.00E+00	no

Defb2	0.00	0.00	0.00	1.00E+00	no
Defb20	0.00	0.00	0.00	1.00E+00	no
Defb21	0.00	0.00	0.00	1.00E+00	no
Defb22	0.00	0.00	0.00	1.00E+00	no
Defb25	0.00	0.00	0.00	1.00E+00	no
Defb26	0.00	0.00	0.00	1.00E+00	no
Defb28	0.00	0.00	0.00	1.00E+00	no
Defb29	0.00	0.00	0.00	1.00E+00	no
Defb3	0.00	0.00	0.00	1.00E+00	no
Defb30	0.00	0.00	0.00	1.00E+00	no
Defb34	0.00	0.00	0.00	1.00E+00	no
Defb35	0.00	0.00	0.00	1.00E+00	no
Defb36	0.00	0.00	0.00	1.00E+00	no
Defb37	0.00	0.00	0.00	1.00E+00	no
Defb38	0.00	0.00	0.00	1.00E+00	no
Defb39	0.00	0.00	0.00	1.00E+00	no
Defb4	0.00	0.00	0.00	1.00E+00	no
Defb40	0.00	0.00	0.00	1.00E+00	no
Defb41	0.00	0.00	0.00	1.00E+00	no
Defb42	0.00	0.00	0.00	1.00E+00	no
Defb43	0.00	0.00	0.00	1.00E+00	no
Defb44-ps	0.00	0.00	0.00	1.00E+00	no
Defb45	0.00	0.00	0.00	1.00E+00	no
Defb46	0.00	0.00	0.00	1.00E+00	no
Defb48	0.00	0.00	0.00	1.00E+00	no
Defb48-ps	0.00	0.00	0.00	1.00E+00	no
Defb5	0.00	0.00	0.00	1.00E+00	no
Defb50	0.00	0.00	0.00	1.00E+00	no
Defb6	0.00	0.00	0.00	1.00E+00	no
Defb7	0.00	0.00	0.00	1.00E+00	no
Defb8	0.00	0.00	0.00	1.00E+00	no
Defb9	0.00	0.00	0.00	1.00E+00	no
Depdc1a	30.18	0.00	0.00	1.00E+00	no
Des	0.00	0.00	0.00	1.00E+00	no
Dgat2l6	0.00	0.00	0.00	1.00E+00	no
Dgkb	0.00	0.00	0.00	1.00E+00	no
Dgkq	6.15	8.60	0.00	1.00E+00	no
Dhrs7c	0.00	0.00	0.00	1.00E+00	no
Dhrsx	0.00	0.00	0.00	1.00E+00	no
Dio1	0.00	0.00	0.00	1.00E+00	no
Dio3	0.00	0.00	0.00	1.00E+00	no
Dio3os	0.00	0.00	0.00	1.00E+00	no

Diras1	0.00	0.00	0.00	1.00E+00	no
Disp1	0.00	0.00	0.00	1.00E+00	no
Dkk2	0.00	0.00	0.00	1.00E+00	no
Dlc1	0.00	0.00	0.00	1.00E+00	no
Dlg5	0.00	0.00	0.00	1.00E+00	no
Dlgap1	0.00	0.00	0.00	1.00E+00	no
Dlgap2	0.00	0.00	0.00	1.00E+00	no
Dlk1	0.00	0.00	0.00	1.00E+00	no
Dlx2	0.00	0.00	0.00	1.00E+00	no
Dlx3	0.00	0.00	0.00	1.00E+00	no
Dlx4	0.00	0.00	0.00	1.00E+00	no
Dlx5	0.00	0.00	0.00	1.00E+00	no
Dlx6as	0.00	0.00	0.00	1.00E+00	no
Dlx6os1	0.00	0.00	0.00	1.00E+00	no
Dmbt1	0.00	0.00	0.00	1.00E+00	no
Dmbx1	0.00	0.00	0.00	1.00E+00	no
Dmgdh	0.00	0.00	0.00	1.00E+00	no
Dmkn	0.00	0.00	0.00	1.00E+00	no
Dmp1	0.00	0.00	0.00	1.00E+00	no
Dmpk	0.00	0.00	0.00	1.00E+00	no
Dmrt1	0.00	0.00	0.00	1.00E+00	no
Dmrta1	0.00	0.00	0.00	1.00E+00	no
Dmrtc1a	0.00	0.00	0.00	1.00E+00	no
Dmrtc1b	0.00	0.00	0.00	1.00E+00	no
Dmrtc1c	0.00	0.00	0.00	1.00E+00	no
Dmrtc1c2	0.00	0.00	0.00	1.00E+00	no
Dnahc6	0.00	0.00	0.00	1.00E+00	no
Dnaic1	0.00	0.00	0.00	1.00E+00	no
Dnajb8	0.00	0.00	0.00	1.00E+00	no
Dnajc22	0.00	0.00	0.00	1.00E+00	no
Dnajc5b	0.00	0.00	0.00	1.00E+00	no
Dnajc5g	0.00	0.00	0.00	1.00E+00	no
Dnase2b	0.00	0.00	0.00	1.00E+00	no
Dnm3os	0.00	0.00	0.00	1.00E+00	no
Dok5	0.00	0.00	0.00	1.00E+00	no
Doxl2	0.00	0.00	0.00	1.00E+00	no
Dpep1	0.00	0.00	0.00	1.00E+00	no
Dpp6	0.00	0.00	0.00	1.00E+00	no
Dppa1	0.00	0.00	0.00	1.00E+00	no
Dppa2	0.00	0.00	0.00	1.00E+00	no
Dppa3	0.00	0.00	0.00	1.00E+00	no
Dppa4	0.00	0.00	0.00	1.00E+00	no

Dppa5a	0.00	0.00	0.00	1.00E+00	no
Dpy19l2	0.00	0.00	0.00	1.00E+00	no
Dpyd	0.00	0.00	0.00	1.00E+00	no
Dpys	0.00	0.00	0.00	1.00E+00	no
Dpysl3	0.00	0.00	0.00	1.00E+00	no
Dpysl4	0.00	0.00	0.00	1.00E+00	no
Drd2	0.00	0.00	0.00	1.00E+00	no
Drd3	0.00	0.00	0.00	1.00E+00	no
Drd4	0.00	0.00	0.00	1.00E+00	no
Dsc1	0.00	0.00	0.00	1.00E+00	no
Dsc2	0.00	0.00	0.00	1.00E+00	no
Dsc3	0.00	0.00	0.00	1.00E+00	no
Dsg1a	0.00	0.00	0.00	1.00E+00	no
Dsg1b	0.00	0.00	0.00	1.00E+00	no
Dsg1c	0.00	0.00	0.00	1.00E+00	no
Dsg3	0.00	0.00	0.00	1.00E+00	no
Dsg4	0.00	0.00	0.00	1.00E+00	no
Dspp	0.00	0.00	0.00	1.00E+00	no
Dub1	0.00	0.00	0.00	1.00E+00	no
Dub1a	0.00	0.00	0.00	1.00E+00	no
Dub2a	0.00	0.00	0.00	1.00E+00	no
Duoxa1	0.00	0.00	0.00	1.00E+00	no
Duoxa2	0.00	0.00	0.00	1.00E+00	no
Dupd1	0.00	0.00	0.00	1.00E+00	no
Dusp13	0.00	0.00	0.00	1.00E+00	no
Dusp21	0.00	0.00	0.00	1.00E+00	no
Dusp27	0.00	0.00	0.00	1.00E+00	no
Dydc2	0.00	0.00	0.00	1.00E+00	no
Dync1i1	0.00	0.00	0.00	1.00E+00	no
Dysf	0.00	0.00	0.00	1.00E+00	no
Dytn	0.00	0.00	0.00	1.00E+00	no
Dzip1l	0.00	0.00	0.00	1.00E+00	no
E030003E18Ri	0.00	0.00	0.00	1.00E+00	no
E030010A14Ri	0.00	0.00	0.00	1.00E+00	no
E030011O05Ri	0.00	0.00	0.00	1.00E+00	no
E030025P04Ri	0.00	0.00	0.00	1.00E+00	no
E130304F04Ri	0.00	0.00	0.00	1.00E+00	no
E130309D14Ri	0.00	0.00	0.00	1.00E+00	no
E230019M04R	0.00	0.00	0.00	1.00E+00	no
E330012B07Ri	0.00	0.00	0.00	1.00E+00	no
E330014E10Ri	0.00	0.00	0.00	1.00E+00	no
E330017A01Ri	0.00	0.00	0.00	1.00E+00	no

E330021D16Ri	0.00	0.00	0.00	1.00E+00	no
E530001F21Ri	0.00	0.00	0.00	1.00E+00	no
EG214403	0.00	0.00	0.00	1.00E+00	no
EG654453	0.00	0.00	0.00	1.00E+00	no
ENSMUSG0000	0.00	0.00	0.00	1.00E+00	no
Ear11	0.00	0.00	0.00	1.00E+00	no
Ear14	0.00	0.00	0.00	1.00E+00	no
Ear4	0.00	0.00	0.00	1.00E+00	no
Ear5	0.00	0.00	0.00	1.00E+00	no
Ear6,Ear7	0.00	0.00	0.00	1.00E+00	no
Ebf2	0.00	0.00	0.00	1.00E+00	no
Ebf3	0.00	0.00	0.00	1.00E+00	no
Ecel1	0.00	0.00	0.00	1.00E+00	no
Eda2r	0.00	0.00	0.00	1.00E+00	no
Edar	0.00	0.00	0.00	1.00E+00	no
Eddm3b	0.00	0.00	0.00	1.00E+00	no
Edil3	0.00	0.00	0.00	1.00E+00	no
Edn1	0.00	0.00	0.00	1.00E+00	no
Edn3	0.00	0.00	0.00	1.00E+00	no
Ednrb	0.00	0.00	0.00	1.00E+00	no
Eef1a2	0.00	0.00	0.00	1.00E+00	no
Efcab1	0.00	0.00	0.00	1.00E+00	no
Efcab10	0.00	0.00	0.00	1.00E+00	no
Efcab3	0.00	0.00	0.00	1.00E+00	no
Efcab6	0.00	0.00	0.00	1.00E+00	no
Efemp1	0.00	0.00	0.00	1.00E+00	no
Efna3	0.00	0.00	0.00	1.00E+00	no
Efs	0.00	0.00	0.00	1.00E+00	no
Egam-1c	0.00	0.00	0.00	1.00E+00	no
Egfbp2	0.00	0.00	0.00	1.00E+00	no
Egfem1	0.00	0.00	0.00	1.00E+00	no
Egflam	0.00	0.00	0.00	1.00E+00	no
Eif4e1b	0.00	0.00	0.00	1.00E+00	no
Elavl2	0.00	0.00	0.00	1.00E+00	no
Elavl4	0.00	0.00	0.00	1.00E+00	no
Elf3	0.00	0.00	0.00	1.00E+00	no
Elf5	0.00	0.00	0.00	1.00E+00	no
Elmod1	0.00	0.00	0.00	1.00E+00	no
Elmod2	8.52	9.70	0.00	1.00E+00	no
Eln	0.00	0.00	0.00	1.00E+00	no
Elov13	0.00	0.00	0.00	1.00E+00	no
Emilin3	0.00	0.00	0.00	1.00E+00	no

Emp2	0.00	0.00	0.00	1.00E+00	no
Emx1	0.00	0.00	0.00	1.00E+00	no
Emx2	0.00	0.00	0.00	1.00E+00	no
Emx2os	0.00	0.00	0.00	1.00E+00	no
En1	0.00	0.00	0.00	1.00E+00	no
En2	0.00	0.00	0.00	1.00E+00	no
Enam	0.00	0.00	0.00	1.00E+00	no
Enho	0.00	0.00	0.00	1.00E+00	no
Enpp2	0.00	0.00	0.00	1.00E+00	no
Enpp7	0.00	0.00	0.00	1.00E+00	no
Entpd2	0.00	0.00	0.00	1.00E+00	no
Entpd8	0.00	0.00	0.00	1.00E+00	no
Epha10	0.00	0.00	0.00	1.00E+00	no
Epha3	0.00	0.00	0.00	1.00E+00	no
Epha4	0.00	0.00	0.00	1.00E+00	no
Epha5	0.00	0.00	0.00	1.00E+00	no
Epha6	0.00	0.00	0.00	1.00E+00	no
Epha8	0.00	0.00	0.00	1.00E+00	no
Ephb1	0.00	0.00	0.00	1.00E+00	no
Ephb4	0.00	0.00	0.00	1.00E+00	no
Epo	0.00	0.00	0.00	1.00E+00	no
Eps8l3	0.00	0.00	0.00	1.00E+00	no
Epyc	0.00	0.00	0.00	1.00E+00	no
Eras	0.00	0.00	0.00	1.00E+00	no
Erb2	0.00	0.00	0.00	1.00E+00	no
Erb4	0.00	0.00	0.00	1.00E+00	no
Erc2	0.00	0.00	0.00	1.00E+00	no
Ereg	0.00	0.00	0.00	1.00E+00	no
Ermn	0.00	0.00	0.00	1.00E+00	no
Esp23	0.00	0.00	0.00	1.00E+00	no
Esp34	0.00	0.00	0.00	1.00E+00	no
Esp36	0.00	0.00	0.00	1.00E+00	no
Esp4	0.00	0.00	0.00	1.00E+00	no
Esp8	0.00	0.00	0.00	1.00E+00	no
Esr2	0.00	0.00	0.00	1.00E+00	no
Esx1	0.00	0.00	0.00	1.00E+00	no
Etd	0.00	0.00	0.00	1.00E+00	no
Etl4	0.00	0.00	0.00	1.00E+00	no
Etv2	0.00	0.00	0.00	1.00E+00	no
Etv3	16.77	26.01	0.00	1.00E+00	no
Evc	0.00	0.00	0.00	1.00E+00	no
Evc2	0.00	0.00	0.00	1.00E+00	no

Evx2	0.00	0.00	0.00	1.00E+00	no
Exph5	0.00	0.00	0.00	1.00E+00	no
Expi	0.00	0.00	0.00	1.00E+00	no
Eya4	0.00	0.00	0.00	1.00E+00	no
F11	0.00	0.00	0.00	1.00E+00	no
F12	0.00	0.00	0.00	1.00E+00	no
F8	0.00	0.00	0.00	1.00E+00	no
F830002L21Ril	0.00	0.00	0.00	1.00E+00	no
F830045P16Ri	0.00	0.00	0.00	1.00E+00	no
F830116E18Ril	0.00	0.00	0.00	1.00E+00	no
F930015N05Ri	0.03	0.00	0.00	1.00E+00	no
Fabp1	0.00	0.00	0.00	1.00E+00	no
Fabp12	0.00	0.00	0.00	1.00E+00	no
Fabp6	0.00	0.00	0.00	1.00E+00	no
Fabp7	0.00	0.00	0.00	1.00E+00	no
Fabp9	0.00	0.00	0.00	1.00E+00	no
Faim2	0.00	0.00	0.00	1.00E+00	no
Fam115a	0.00	0.00	0.00	1.00E+00	no
Fam115e	0.00	0.00	0.00	1.00E+00	no
Fam122b	13.60	10.77	0.00	1.00E+00	no
Fam122c	0.00	0.00	0.00	1.00E+00	no
Fam123a	0.00	0.00	0.00	1.00E+00	no
Fam123c	0.00	0.00	0.00	1.00E+00	no
Fam131b	0.00	0.00	0.00	1.00E+00	no
Fam131c	0.00	0.00	0.00	1.00E+00	no
Fam149a	0.00	0.00	0.00	1.00E+00	no
Fam150a	0.00	0.00	0.00	1.00E+00	no
Fam154a	0.00	0.00	0.00	1.00E+00	no
Fam159a	0.00	0.00	0.00	1.00E+00	no
Fam159b	0.00	0.00	0.00	1.00E+00	no
Fam162b	0.00	0.00	0.00	1.00E+00	no
Fam163a	0.00	0.00	0.00	1.00E+00	no
Fam170a	0.00	0.00	0.00	1.00E+00	no
Fam170b	0.00	0.00	0.00	1.00E+00	no
Fam180a	0.00	0.00	0.00	1.00E+00	no
Fam181a	0.00	0.00	0.00	1.00E+00	no
Fam189a2	0.00	0.00	0.00	1.00E+00	no
Fam190a	0.00	0.00	0.00	1.00E+00	no
Fam196a	0.00	0.00	0.00	1.00E+00	no
Fam19a1	0.00	0.00	0.00	1.00E+00	no
Fam19a2	0.00	0.00	0.00	1.00E+00	no
Fam19a4	0.00	0.00	0.00	1.00E+00	no

Fam19a5	0.00	0.00	0.00	1.00E+00	no
Fam24a	0.00	0.00	0.00	1.00E+00	no
Fam26d	0.00	0.00	0.00	1.00E+00	no
Fam26e	0.00	0.00	0.00	1.00E+00	no
Fam38b	0.00	0.00	0.00	1.00E+00	no
Fam40b	0.00	0.00	0.00	1.00E+00	no
Fam43b	0.00	0.00	0.00	1.00E+00	no
Fam47a-ps	0.00	0.00	0.00	1.00E+00	no
Fam47e	0.00	0.00	0.00	1.00E+00	no
Fam5c	0.00	0.00	0.00	1.00E+00	no
Fam69c	0.00	0.00	0.00	1.00E+00	no
Fam70b	0.00	0.00	0.00	1.00E+00	no
Fam71a	0.00	0.00	0.00	1.00E+00	no
Fam71b	0.00	0.00	0.00	1.00E+00	no
Fam71d	0.00	0.00	0.00	1.00E+00	no
Fam83b	0.00	0.00	0.00	1.00E+00	no
Fam83h	0.00	0.00	0.00	1.00E+00	no
Fam84a	0.00	0.00	0.00	1.00E+00	no
Fam92b	0.00	0.00	0.00	1.00E+00	no
Fank1	0.00	0.00	0.00	1.00E+00	no
Fat2	0.00	0.00	0.00	1.00E+00	no
Fate1	0.00	0.00	0.00	1.00E+00	no
Fblim1	0.00	0.00	0.00	1.00E+00	no
Fbll1	0.00	0.00	0.00	1.00E+00	no
Fbln2	0.00	0.00	0.00	1.00E+00	no
Fbn2	0.00	0.00	0.00	1.00E+00	no
Fbp2	0.00	0.00	0.00	1.00E+00	no
Fbxl15	3.67	2.56	0.00	1.00E+00	no
Fbxl7	0.00	0.00	0.00	1.00E+00	no
Fbxo15	0.00	0.00	0.00	1.00E+00	no
Fbxo16	0.00	0.00	0.00	1.00E+00	no
Fbxo27	0.00	0.00	0.00	1.00E+00	no
Fbxo41	0.00	0.00	0.00	1.00E+00	no
Fbxw15	0.00	0.00	0.00	1.00E+00	no
Fbxw16	0.00	0.00	0.00	1.00E+00	no
Fbxw18	0.00	0.00	0.00	1.00E+00	no
Fbxw19	0.00	0.00	0.00	1.00E+00	no
Fbxw20	0.00	0.00	0.00	1.00E+00	no
Fbxw21	0.00	0.00	0.00	1.00E+00	no
Fbxw22	0.00	0.00	0.00	1.00E+00	no
Fbxw24	0.00	0.00	0.00	1.00E+00	no
Fbxw26	0.00	0.00	0.00	1.00E+00	no

Fbxw28	0.00	0.00	0.00	1.00E+00	no
Fcrl5	0.71	0.00	0.00	1.00E+00	no
Fer1l4	0.00	0.00	0.00	1.00E+00	no
Ferd3l	0.00	0.00	0.00	1.00E+00	no
Fermt2	0.00	0.00	0.00	1.00E+00	no
Fev	0.00	0.00	0.00	1.00E+00	no
Fez1	0.00	0.00	0.00	1.00E+00	no
Fezf1	0.00	0.00	0.00	1.00E+00	no
Fezf2	0.00	0.00	0.00	1.00E+00	no
Fga	0.00	0.00	0.00	1.00E+00	no
Fgb	0.00	0.00	0.00	1.00E+00	no
Fgf10	0.00	0.00	0.00	1.00E+00	no
Fgf12	0.00	0.00	0.00	1.00E+00	no
Fgf14	0.00	0.00	0.00	1.00E+00	no
Fgf15	0.00	0.00	0.00	1.00E+00	no
Fgf16	0.00	0.00	0.00	1.00E+00	no
Fgf20	0.00	0.00	0.00	1.00E+00	no
Fgf21	0.00	0.00	0.00	1.00E+00	no
Fgf23	0.00	0.00	0.00	1.00E+00	no
Fgf4	0.00	0.00	0.00	1.00E+00	no
Fgf5	0.00	0.00	0.00	1.00E+00	no
Fgf6	0.00	0.00	0.00	1.00E+00	no
Fgf8	0.00	0.00	0.00	1.00E+00	no
Fgfbp1	0.00	0.00	0.00	1.00E+00	no
Fgfr1	0.00	0.00	0.00	1.00E+00	no
Fgfr2	0.00	0.00	0.00	1.00E+00	no
Fgg	0.00	0.00	0.00	1.00E+00	no
Fgl1	0.00	0.00	0.00	1.00E+00	no
Fhad1	0.00	0.00	0.00	1.00E+00	no
Fhl2	0.00	0.00	0.00	1.00E+00	no
Fhl5	0.00	0.00	0.00	1.00E+00	no
Fibin	0.00	0.00	0.00	1.00E+00	no
Figla	0.00	0.00	0.00	1.00E+00	no
Flg2	0.00	0.00	0.00	1.00E+00	no
Flii	37.75	36.86	0.00	1.00E+00	no
Flnc	0.00	0.00	0.00	1.00E+00	no
Flrt3	0.00	0.00	0.00	1.00E+00	no
Fmn1	0.00	0.00	0.00	1.00E+00	no
Fmo2	0.00	0.00	0.00	1.00E+00	no
Fmo3	0.00	0.00	0.00	1.00E+00	no
Fmo4	0.00	0.00	0.00	1.00E+00	no
Fmo6	0.00	0.00	0.00	1.00E+00	no

Fmo9	0.00	0.00	0.00	1.00E+00	no
Fmod	0.00	0.00	0.00	1.00E+00	no
Fmr1nb	0.00	0.00	0.00	1.00E+00	no
Fnd3c2	0.00	0.00	0.00	1.00E+00	no
Fndc1	0.00	0.00	0.00	1.00E+00	no
Folh1	0.00	0.00	0.00	1.00E+00	no
Folr1	0.00	0.00	0.00	1.00E+00	no
Fosl1	0.00	0.00	0.00	1.00E+00	no
Foxa1	0.00	0.00	0.00	1.00E+00	no
Foxa2	0.00	0.00	0.00	1.00E+00	no
Foxb1	0.00	0.00	0.00	1.00E+00	no
Foxb2	0.00	0.00	0.00	1.00E+00	no
Foxd3	0.00	0.00	0.00	1.00E+00	no
Foxe1	0.00	0.00	0.00	1.00E+00	no
Foxe3	0.00	0.00	0.00	1.00E+00	no
Foxf1a	0.00	0.00	0.00	1.00E+00	no
Foxf2	0.00	0.00	0.00	1.00E+00	no
Foxg1	0.00	0.00	0.00	1.00E+00	no
Foxi2	0.00	0.00	0.00	1.00E+00	no
Foxi3	0.00	0.00	0.00	1.00E+00	no
Foxl1	0.00	0.00	0.00	1.00E+00	no
Foxl2	0.00	0.00	0.00	1.00E+00	no
Foxn1	0.00	0.00	0.00	1.00E+00	no
Foxn4	0.00	0.00	0.00	1.00E+00	no
Foxp2	0.00	0.00	0.00	1.00E+00	no
Foxq1	0.00	0.00	0.00	1.00E+00	no
Foxr2	0.00	0.00	0.00	1.00E+00	no
Foxs1	0.00	0.00	0.00	1.00E+00	no
Fpr-rs3	0.00	0.00	0.00	1.00E+00	no
Fpr-rs4	0.00	0.00	0.00	1.00E+00	no
Fpr-rs6	0.00	0.00	0.00	1.00E+00	no
Frem1	0.00	0.00	0.00	1.00E+00	no
Frem3	0.00	0.00	0.00	1.00E+00	no
Frk	0.00	0.00	0.00	1.00E+00	no
Frmd3	0.00	0.00	0.00	1.00E+00	no
Frmpd3	0.00	0.00	0.00	1.00E+00	no
Frmpd4	0.00	0.00	0.00	1.00E+00	no
Frzb	0.00	0.00	0.00	1.00E+00	no
Fscb	0.00	0.00	0.00	1.00E+00	no
Fshb	0.00	0.00	0.00	1.00E+00	no
Fshr	0.00	0.00	0.00	1.00E+00	no
Fst	0.00	0.00	0.00	1.00E+00	no

Fstl5	0.00	0.00	0.00	1.00E+00	no
Fthl17	0.00	0.00	0.00	1.00E+00	no
Ftmt	0.00	0.00	0.00	1.00E+00	no
Fut1	0.00	0.00	0.00	1.00E+00	no
Fut4-ps1	0.00	0.00	0.00	1.00E+00	no
Fut9	0.00	0.00	0.00	1.00E+00	no
Fxyd1	0.00	0.00	0.00	1.00E+00	no
Fxyd3	0.00	0.00	0.00	1.00E+00	no
Fxyd4	0.00	0.00	0.00	1.00E+00	no
Fzd10	0.00	0.00	0.00	1.00E+00	no
Fzd2	0.00	0.00	0.00	1.00E+00	no
G630016D24R	0.00	0.00	0.00	1.00E+00	no
G630025P09Ri	0.00	0.00	0.00	1.00E+00	no
G6b	0.00	0.00	0.00	1.00E+00	no
G6pc	0.00	0.00	0.00	1.00E+00	no
G6pc2	0.00	0.00	0.00	1.00E+00	no
Gab2	8.54	8.80	0.00	1.00E+00	no
Gabra1	0.00	0.00	0.00	1.00E+00	no
Gabra2	0.00	0.00	0.00	1.00E+00	no
Gabra3	0.00	0.00	0.00	1.00E+00	no
Gabra4	0.00	0.00	0.00	1.00E+00	no
Gabra5	0.00	0.00	0.00	1.00E+00	no
Gabra6	0.00	0.00	0.00	1.00E+00	no
Gabrb1	0.00	0.00	0.00	1.00E+00	no
Gabrb2	0.00	0.00	0.00	1.00E+00	no
Gabrb3	0.00	0.00	0.00	1.00E+00	no
Gabrg1	0.00	0.00	0.00	1.00E+00	no
Gabrg2	0.00	0.00	0.00	1.00E+00	no
Gabrg3	0.00	0.00	0.00	1.00E+00	no
Gabrp	0.00	0.00	0.00	1.00E+00	no
Gabrq	0.00	0.00	0.00	1.00E+00	no
Gabrr3	0.00	0.00	0.00	1.00E+00	no
Gad2	0.00	0.00	0.00	1.00E+00	no
Gadl1	0.00	0.00	0.00	1.00E+00	no
Galnt13	0.00	0.00	0.00	1.00E+00	no
Galntl2	0.00	0.00	0.00	1.00E+00	no
Galntl4	0.00	0.00	0.00	1.00E+00	no
Galntl5	0.00	0.00	0.00	1.00E+00	no
Galp	0.00	0.00	0.00	1.00E+00	no
Galr1	0.00	0.00	0.00	1.00E+00	no
Gap43	0.00	0.00	0.00	1.00E+00	no
Gas1	0.00	0.00	0.00	1.00E+00	no

Gas2l2	0.00	0.00	0.00	1.00E+00	no
Gast	0.00	0.00	0.00	1.00E+00	no
Gata4	0.00	0.00	0.00	1.00E+00	no
Gata5	0.00	0.00	0.00	1.00E+00	no
Gata6	0.00	0.00	0.00	1.00E+00	no
Gbp6	9.62	32.98	0.00	1.00E+00	no
Gc	0.00	0.00	0.00	1.00E+00	no
Gck	0.00	0.00	0.00	1.00E+00	no
Gckr	0.00	0.00	0.00	1.00E+00	no
Gcm1	0.00	0.00	0.00	1.00E+00	no
Gcm2	0.00	0.00	0.00	1.00E+00	no
Gcnt3	0.00	0.00	0.00	1.00E+00	no
Gdap1l1	0.00	0.00	0.00	1.00E+00	no
Gdf10	0.00	0.00	0.00	1.00E+00	no
Gdf15	0.00	0.00	0.00	1.00E+00	no
Gdf2	0.00	0.00	0.00	1.00E+00	no
Gdf6	0.00	0.00	0.00	1.00E+00	no
Gdf7	0.00	0.00	0.00	1.00E+00	no
Gdnf	0.00	0.00	0.00	1.00E+00	no
Gfra4	0.00	0.00	0.00	1.00E+00	no
Gfral	0.00	0.00	0.00	1.00E+00	no
Ghrh	0.00	0.00	0.00	1.00E+00	no
Ghrhr	0.00	0.00	0.00	1.00E+00	no
Ghsr	0.00	0.00	0.00	1.00E+00	no
Gip	0.00	0.00	0.00	1.00E+00	no
Gipc2	0.00	0.00	0.00	1.00E+00	no
Gja3	0.00	0.00	0.00	1.00E+00	no
Gja5	0.00	0.00	0.00	1.00E+00	no
Gjb1	0.00	0.00	0.00	1.00E+00	no
Gjb2	0.00	0.00	0.00	1.00E+00	no
Gjb4	0.00	0.00	0.00	1.00E+00	no
Gjb6	0.00	0.00	0.00	1.00E+00	no
Gjc3	0.00	0.00	0.00	1.00E+00	no
Gjd2	0.00	0.00	0.00	1.00E+00	no
Gjd4	0.00	0.00	0.00	1.00E+00	no
Gkn1	0.00	0.00	0.00	1.00E+00	no
Gkn2	0.00	0.00	0.00	1.00E+00	no
Gkn3	0.00	0.00	0.00	1.00E+00	no
Glb1l3	0.00	0.00	0.00	1.00E+00	no
Gldn	0.00	0.00	0.00	1.00E+00	no
Gli2	0.00	0.00	0.00	1.00E+00	no
Gli3	0.00	0.00	0.00	1.00E+00	no

Glipr111	0.00	0.00	0.00	1.00E+00	no
Glipr112	0.00	0.00	0.00	1.00E+00	no
Glod5	0.00	0.00	0.00	1.00E+00	no
Glra1	0.00	0.00	0.00	1.00E+00	no
Glra2	0.00	0.00	0.00	1.00E+00	no
Glra3	0.00	0.00	0.00	1.00E+00	no
Glt25d2	0.00	0.00	0.00	1.00E+00	no
Glt6d1	0.00	0.00	0.00	1.00E+00	no
Gltpd2	0.00	0.00	0.00	1.00E+00	no
Glyat	0.00	0.00	0.00	1.00E+00	no
Glycam1	0.00	0.00	0.00	1.00E+00	no
Gm10052,Hnr1	0.00	0.00	0.00	1.00E+00	no
Gm10058,Gm1	0.00	0.00	0.00	1.00E+00	no
Gm1006	0.00	0.00	0.00	1.00E+00	no
Gm10081	0.00	0.00	0.00	1.00E+00	no
Gm10096,Gm1	0.00	0.00	0.00	1.00E+00	no
Gm101	0.00	0.00	0.00	1.00E+00	no
Gm10104	0.00	0.00	0.00	1.00E+00	no
Gm10147	0.00	0.00	0.00	1.00E+00	no
Gm10220	0.00	0.00	0.00	1.00E+00	no
Gm10229	0.00	0.00	0.00	1.00E+00	no
Gm10230	0.00	0.00	0.00	1.00E+00	no
Gm10248	0.00	0.00	0.00	1.00E+00	no
Gm10267	0.00	0.00	0.00	1.00E+00	no
Gm10280	0.00	0.00	0.00	1.00E+00	no
Gm10318	0.00	0.00	0.00	1.00E+00	no
Gm10319	0.00	0.00	0.00	1.00E+00	no
Gm10324	0.00	0.00	0.00	1.00E+00	no
Gm10334	0.00	0.00	0.00	1.00E+00	no
Gm10375	0.00	0.00	0.00	1.00E+00	no
Gm10400	0.00	0.00	0.00	1.00E+00	no
Gm10406	0.00	0.00	0.00	1.00E+00	no
Gm10421	0.00	0.00	0.00	1.00E+00	no
Gm10436	0.00	0.00	0.00	1.00E+00	no
Gm10439	0.00	0.00	0.00	1.00E+00	no
Gm10466	0.00	0.00	0.00	1.00E+00	no
Gm10471	0.00	0.00	0.00	1.00E+00	no
Gm10486,Gm1	0.00	0.00	0.00	1.00E+00	no
Gm10487	0.00	0.00	0.00	1.00E+00	no
Gm10488	0.00	0.00	0.00	1.00E+00	no
Gm10494	0.00	0.00	0.00	1.00E+00	no
Gm10510	0.00	0.00	0.00	1.00E+00	no

Gm10512	0.00	0.00	0.00	1.00E+00	no
Gm10636	0.00	0.00	0.00	1.00E+00	no
Gm10639	0.00	0.00	0.00	1.00E+00	no
Gm10649	0.00	0.00	0.00	1.00E+00	no
Gm10665	0.00	0.00	0.00	1.00E+00	no
Gm10666	0.00	0.00	0.00	1.00E+00	no
Gm10684	0.00	0.00	0.00	1.00E+00	no
Gm10696	0.00	0.00	0.00	1.00E+00	no
Gm10754	0.00	0.00	0.00	1.00E+00	no
Gm10823	0.00	0.00	0.00	1.00E+00	no
Gm10845	0.00	0.00	0.00	1.00E+00	no
Gm10921,Gm1	0.00	0.00	0.00	1.00E+00	no
Gm10922	0.00	0.00	0.00	1.00E+00	no
Gm1110	0.00	0.00	0.00	1.00E+00	no
Gm11149	0.00	0.00	0.00	1.00E+00	no
Gm11166	0.00	0.00	0.00	1.00E+00	no
Gm11190	0.00	0.00	0.00	1.00E+00	no
Gm11194	0.00	0.00	0.00	1.00E+00	no
Gm1140,Gm14	0.00	0.00	0.00	1.00E+00	no
Gm11426	0.00	0.00	0.00	1.00E+00	no
Gm11435	0.00	0.00	0.00	1.00E+00	no
Gm11437	0.00	0.00	0.00	1.00E+00	no
Gm11468	0.00	0.00	0.00	1.00E+00	no
Gm11487	0.00	0.00	0.00	1.00E+00	no
Gm11545	0.00	0.00	0.00	1.00E+00	no
Gm11554	0.00	0.00	0.00	1.00E+00	no
Gm11559	0.00	0.00	0.00	1.00E+00	no
Gm11562,Krta	0.00	0.00	0.00	1.00E+00	no
Gm11563	0.00	0.00	0.00	1.00E+00	no
Gm11564	0.00	0.00	0.00	1.00E+00	no
Gm11565	0.00	0.00	0.00	1.00E+00	no
Gm11567	0.00	0.00	0.00	1.00E+00	no
Gm11569	0.00	0.00	0.00	1.00E+00	no
Gm11595	0.00	0.00	0.00	1.00E+00	no
Gm11596	0.00	0.00	0.00	1.00E+00	no
Gm11710	0.00	0.00	0.00	1.00E+00	no
Gm11711	0.00	0.00	0.00	1.00E+00	no
Gm11744	0.00	0.00	0.00	1.00E+00	no
Gm11756	0.00	0.00	0.00	1.00E+00	no
Gm11757,Gm1	0.00	0.00	0.00	1.00E+00	no
Gm11758	0.00	0.00	0.00	1.00E+00	no
Gm11818	0.00	0.00	0.00	1.00E+00	no

Gm11937	0.00	0.00	0.00	1.00E+00	no
Gm11938	0.00	0.00	0.00	1.00E+00	no
Gm11978	0.00	0.00	0.00	1.00E+00	no
Gm11992	0.00	0.00	0.00	1.00E+00	no
Gm12	0.00	0.00	0.00	1.00E+00	no
Gm12070	0.00	0.00	0.00	1.00E+00	no
Gm12169	0.00	0.00	0.00	1.00E+00	no
Gm12171	0.00	0.00	0.00	1.00E+00	no
Gm12191	0.00	0.00	0.00	1.00E+00	no
Gm12298	0.00	0.00	0.00	1.00E+00	no
Gm12603	0.00	0.00	0.00	1.00E+00	no
Gm12633	0.00	0.00	0.00	1.00E+00	no
Gm12695	0.00	0.00	0.00	1.00E+00	no
Gm12769	0.00	0.00	0.00	1.00E+00	no
Gm12776	0.00	0.00	0.00	1.00E+00	no
Gm12789	0.00	0.00	0.00	1.00E+00	no
Gm12794	0.00	0.00	0.00	1.00E+00	no
Gm12830	0.00	0.00	0.00	1.00E+00	no
Gm12839	0.00	0.00	0.00	1.00E+00	no
Gm12886	0.00	0.00	0.00	1.00E+00	no
Gm12887	0.00	0.00	0.00	1.00E+00	no
Gm12888	0.00	0.00	0.00	1.00E+00	no
Gm13011	0.00	0.00	0.00	1.00E+00	no
Gm13023	0.00	0.00	0.00	1.00E+00	no
Gm13043	0.00	0.00	0.00	1.00E+00	no
Gm13057	0.00	0.00	0.00	1.00E+00	no
Gm13078	0.00	0.00	0.00	1.00E+00	no
Gm13083	0.00	0.00	0.00	1.00E+00	no
Gm13084	0.00	0.00	0.00	1.00E+00	no
Gm13088	0.00	0.00	0.00	1.00E+00	no
Gm13101	0.00	0.00	0.00	1.00E+00	no
Gm13102	0.00	0.00	0.00	1.00E+00	no
Gm13103	0.00	0.00	0.00	1.00E+00	no
Gm13109	0.00	0.00	0.00	1.00E+00	no
Gm13119	0.00	0.00	0.00	1.00E+00	no
Gm13124	0.00	0.00	0.00	1.00E+00	no
Gm13125	0.00	0.00	0.00	1.00E+00	no
Gm13128	0.00	0.00	0.00	1.00E+00	no
Gm13177	0.00	0.00	0.00	1.00E+00	no
Gm13178	0.00	0.00	0.00	1.00E+00	no
Gm1322	0.00	0.00	0.00	1.00E+00	no
Gm13272,Gm1	0.00	0.00	0.00	1.00E+00	no

Gm13275,Gm1	0.00	0.00	0.00	1.00E+00	no
Gm13276	0.00	0.00	0.00	1.00E+00	no
Gm13277,Gm1	0.00	0.00	0.00	1.00E+00	no
Gm13278,Gm1	0.00	0.00	0.00	1.00E+00	no
Gm13280	0.00	0.00	0.00	1.00E+00	no
Gm13285	0.00	0.00	0.00	1.00E+00	no
Gm13287	0.00	0.00	0.00	1.00E+00	no
Gm13304	0.00	0.00	0.00	1.00E+00	no
Gm136	0.00	0.00	0.00	1.00E+00	no
Gm13629	0.00	0.00	0.00	1.00E+00	no
Gm13698	0.00	0.00	0.00	1.00E+00	no
Gm13749	0.00	0.00	0.00	1.00E+00	no
Gm13871	0.00	0.00	0.00	1.00E+00	no
Gm14092	0.00	0.00	0.00	1.00E+00	no
Gm14151	0.00	0.00	0.00	1.00E+00	no
Gm14160	0.00	0.00	0.00	1.00E+00	no
Gm14288,Gm1	0.00	0.00	0.00	1.00E+00	no
Gm14308,Gm1	0.00	0.00	0.00	1.00E+00	no
Gm14316	0.00	0.00	0.00	1.00E+00	no
Gm14345,Gm1	0.00	0.00	0.00	1.00E+00	no
Gm14346,Gm1	0.00	0.00	0.00	1.00E+00	no
Gm14347	0.00	0.00	0.00	1.00E+00	no
Gm14351,Gm2	0.00	0.00	0.00	1.00E+00	no
Gm14374	0.00	0.00	0.00	1.00E+00	no
Gm14430	0.00	0.00	0.00	1.00E+00	no
Gm14434	0.00	0.00	0.00	1.00E+00	no
Gm14435	0.00	0.00	0.00	1.00E+00	no
Gm14440	0.00	0.00	0.00	1.00E+00	no
Gm14458	0.00	0.00	0.00	1.00E+00	no
Gm14459	0.00	0.00	0.00	1.00E+00	no
Gm14483	0.00	0.00	0.00	1.00E+00	no
Gm14484	0.00	0.00	0.00	1.00E+00	no
Gm14501	0.00	0.00	0.00	1.00E+00	no
Gm14511	0.00	0.00	0.00	1.00E+00	no
Gm14525	0.00	0.00	0.00	1.00E+00	no
Gm14548,Pira	0.00	0.00	0.00	1.00E+00	no
Gm14685	0.00	0.00	0.00	1.00E+00	no
Gm14692	0.00	0.00	0.00	1.00E+00	no
Gm14725	0.00	0.00	0.00	1.00E+00	no
Gm14743	0.00	0.00	0.00	1.00E+00	no
Gm14744	0.00	0.00	0.00	1.00E+00	no
Gm14812	0.00	0.00	0.00	1.00E+00	no

Gm14819	0.00	0.00	0.00	1.00E+00	no
Gm14850	0.00	0.00	0.00	1.00E+00	no
Gm14851	0.00	0.00	0.00	1.00E+00	no
Gm15056	0.00	0.00	0.00	1.00E+00	no
Gm15085	0.00	0.00	0.00	1.00E+00	no
Gm15091	0.00	0.00	0.00	1.00E+00	no
Gm15093	0.00	0.00	0.00	1.00E+00	no
Gm15097	0.00	0.00	0.00	1.00E+00	no
Gm15107	0.00	0.00	0.00	1.00E+00	no
Gm15114	0.00	0.00	0.00	1.00E+00	no
Gm15127	0.00	0.00	0.00	1.00E+00	no
Gm15217	0.00	0.00	0.00	1.00E+00	no
Gm1527	0.00	0.00	0.00	1.00E+00	no
Gm15284	0.00	0.00	0.00	1.00E+00	no
Gm15292	0.00	0.00	0.00	1.00E+00	no
Gm15293	0.00	0.00	0.00	1.00E+00	no
Gm15299	0.00	0.00	0.00	1.00E+00	no
Gm15308	0.00	0.00	0.00	1.00E+00	no
Gm15315	0.00	0.00	0.00	1.00E+00	no
Gm15348	0.00	0.00	0.00	1.00E+00	no
Gm15386	0.00	0.00	0.00	1.00E+00	no
Gm15450,Rps:	0.00	0.00	0.00	1.00E+00	no
Gm156	0.00	0.00	0.00	1.00E+00	no
Gm1568	0.00	0.00	0.00	1.00E+00	no
Gm1574	0.00	0.00	0.00	1.00E+00	no
Gm1587	0.00	0.00	0.00	1.00E+00	no
Gm1631	0.00	0.00	0.00	1.00E+00	no
Gm16367	0.00	0.00	0.00	1.00E+00	no
Gm16387	0.00	0.00	0.00	1.00E+00	no
Gm16390	0.00	0.00	0.00	1.00E+00	no
Gm16430	0.00	0.00	0.00	1.00E+00	no
Gm16432	0.00	0.00	0.00	1.00E+00	no
Gm16442	0.00	0.00	0.00	1.00E+00	no
Gm16501	0.00	0.00	0.00	1.00E+00	no
Gm1661	0.00	0.00	0.00	1.00E+00	no
Gm1679	0.00	0.00	0.00	1.00E+00	no
Gm1968	0.00	0.00	0.00	1.00E+00	no
Gm1973	0.00	0.00	0.00	1.00E+00	no
Gm1987	0.00	0.00	0.00	1.00E+00	no
Gm1993	0.00	0.00	0.00	1.00E+00	no
Gm2012	0.00	0.00	0.00	1.00E+00	no
Gm2030	0.00	0.00	0.00	1.00E+00	no

Gm216	0.00	0.00	0.00	1.00E+00	no
Gm2663	0.00	0.00	0.00	1.00E+00	no
Gm2694	0.00	0.00	0.00	1.00E+00	no
Gm2799,Gmcl	0.00	0.00	0.00	1.00E+00	no
Gm2825	0.00	0.00	0.00	1.00E+00	no
Gm2863	0.00	0.00	0.00	1.00E+00	no
Gm2933	0.00	0.00	0.00	1.00E+00	no
Gm3002	0.00	0.00	0.00	1.00E+00	no
Gm3020,Gm83	0.00	0.00	0.00	1.00E+00	no
Gm3238	0.00	0.00	0.00	1.00E+00	no
Gm3285	0.00	0.00	0.00	1.00E+00	no
Gm3286	0.00	0.00	0.00	1.00E+00	no
Gm3336	0.00	0.00	0.00	1.00E+00	no
Gm3428	0.00	0.00	0.00	1.00E+00	no
Gm3434	0.00	0.00	0.00	1.00E+00	no
Gm362	0.00	0.00	0.00	1.00E+00	no
Gm3646	0.00	0.00	0.00	1.00E+00	no
Gm3750	0.00	0.00	0.00	1.00E+00	no
Gm381	0.00	0.00	0.00	1.00E+00	no
Gm382	0.00	0.00	0.00	1.00E+00	no
Gm3893	0.00	0.00	0.00	1.00E+00	no
Gm3985	0.00	0.00	0.00	1.00E+00	no
Gm4027	0.00	0.00	0.00	1.00E+00	no
Gm41	0.00	0.00	0.00	1.00E+00	no
Gm410	0.00	0.00	0.00	1.00E+00	no
Gm4133	0.00	0.00	0.00	1.00E+00	no
Gm4141	0.00	0.00	0.00	1.00E+00	no
Gm4144	0.00	0.00	0.00	1.00E+00	no
Gm4175	0.00	0.00	0.00	1.00E+00	no
Gm4177	0.00	0.00	0.00	1.00E+00	no
Gm4187	0.00	0.00	0.00	1.00E+00	no
Gm4201	0.00	0.00	0.00	1.00E+00	no
Gm4216	0.00	0.00	0.00	1.00E+00	no
Gm428	0.00	0.00	0.00	1.00E+00	no
Gm4297	0.00	0.00	0.00	1.00E+00	no
Gm4301	0.00	0.00	0.00	1.00E+00	no
Gm4302	0.00	0.00	0.00	1.00E+00	no
Gm4303	0.00	0.00	0.00	1.00E+00	no
Gm4307	0.00	0.00	0.00	1.00E+00	no
Gm4312	0.00	0.00	0.00	1.00E+00	no
Gm4340	0.00	0.00	0.00	1.00E+00	no
Gm436	0.00	0.00	0.00	1.00E+00	no

Gm438	0.00	0.00	0.00	1.00E+00	no
Gm44	0.00	0.00	0.00	1.00E+00	no
Gm4498	0.00	0.00	0.00	1.00E+00	no
Gm4541	0.00	0.00	0.00	1.00E+00	no
Gm4710	0.00	0.00	0.00	1.00E+00	no
Gm4736	0.00	0.00	0.00	1.00E+00	no
Gm4741	0.00	0.00	0.00	1.00E+00	no
Gm4745	0.00	0.00	0.00	1.00E+00	no
Gm4776	0.00	0.00	0.00	1.00E+00	no
Gm4792	0.00	0.00	0.00	1.00E+00	no
Gm4794	0.00	0.00	0.00	1.00E+00	no
Gm4814	0.00	0.00	0.00	1.00E+00	no
Gm4846	0.00	0.00	0.00	1.00E+00	no
Gm4847	0.00	0.00	0.00	1.00E+00	no
Gm4850	0.00	0.00	0.00	1.00E+00	no
Gm4858	0.00	0.00	0.00	1.00E+00	no
Gm4861	0.00	0.00	0.00	1.00E+00	no
Gm4871	0.00	0.00	0.00	1.00E+00	no
Gm4884	0.00	0.00	0.00	1.00E+00	no
Gm4894	0.00	0.00	0.00	1.00E+00	no
Gm4906	0.00	0.00	0.00	1.00E+00	no
Gm4922	0.00	0.00	0.00	1.00E+00	no
Gm4926	0.00	0.00	0.00	1.00E+00	no
Gm4934	0.00	0.00	0.00	1.00E+00	no
Gm4937	0.00	0.00	0.00	1.00E+00	no
Gm4952	0.00	0.00	0.00	1.00E+00	no
Gm4956	0.00	0.00	0.00	1.00E+00	no
Gm4981	0.00	0.00	0.00	1.00E+00	no
Gm5	0.00	0.00	0.00	1.00E+00	no
Gm5039	0.00	0.00	0.00	1.00E+00	no
Gm5082	0.00	0.00	0.00	1.00E+00	no
Gm5084	0.00	0.00	0.00	1.00E+00	no
Gm5087	0.00	0.00	0.00	1.00E+00	no
Gm5089	0.00	0.00	0.00	1.00E+00	no
Gm5095	0.00	0.00	0.00	1.00E+00	no
Gm5105	0.00	0.00	0.00	1.00E+00	no
Gm5114	0.00	0.00	0.00	1.00E+00	no
Gm5132	0.00	0.00	0.00	1.00E+00	no
Gm5142	0.00	0.00	0.00	1.00E+00	no
Gm5156	0.00	0.00	0.00	1.00E+00	no
Gm5166	0.00	0.00	0.00	1.00E+00	no
Gm5168	0.00	0.00	0.00	1.00E+00	no

Gm5169	0.00	0.00	0.00	1.00E+00	no
Gm5294	0.00	0.00	0.00	1.00E+00	no
Gm5334	0.00	0.00	0.00	1.00E+00	no
Gm5346	0.00	0.00	0.00	1.00E+00	no
Gm5347	0.00	0.00	0.00	1.00E+00	no
Gm5382	0.00	0.00	0.00	1.00E+00	no
Gm5409	0.00	0.00	0.00	1.00E+00	no
Gm5414	0.00	0.00	0.00	1.00E+00	no
Gm5416	0.00	0.00	0.00	1.00E+00	no
Gm5458	0.00	0.00	0.00	1.00E+00	no
Gm5460	0.00	0.00	0.00	1.00E+00	no
Gm5468	0.00	0.00	0.00	1.00E+00	no
Gm5476	0.00	0.00	0.00	1.00E+00	no
Gm5477	0.00	0.00	0.00	1.00E+00	no
Gm5478	0.00	0.00	0.00	1.00E+00	no
Gm5485	0.00	0.00	0.00	1.00E+00	no
Gm5494	0.00	0.00	0.00	1.00E+00	no
Gm5523	0.00	0.00	0.00	1.00E+00	no
Gm5538	0.00	0.00	0.00	1.00E+00	no
Gm5567	0.00	0.00	0.00	1.00E+00	no
Gm5591	0.00	0.00	0.00	1.00E+00	no
Gm5607	0.00	0.00	0.00	1.00E+00	no
Gm5615	0.00	0.00	0.00	1.00E+00	no
Gm5622	0.00	0.00	0.00	1.00E+00	no
Gm5627	0.00	0.00	0.00	1.00E+00	no
Gm5631	0.00	0.00	0.00	1.00E+00	no
Gm5634	0.00	0.00	0.00	1.00E+00	no
Gm5635	0.00	0.00	0.00	1.00E+00	no
Gm5640	0.00	0.00	0.00	1.00E+00	no
Gm5726	0.00	0.00	0.00	1.00E+00	no
Gm5728	0.00	0.00	0.00	1.00E+00	no
Gm5736	0.00	0.00	0.00	1.00E+00	no
Gm5771	0.00	0.00	0.00	1.00E+00	no
Gm5797	0.00	0.00	0.00	1.00E+00	no
Gm5800	0.00	0.00	0.00	1.00E+00	no
Gm581	0.00	0.00	0.00	1.00E+00	no
Gm5840	0.00	0.00	0.00	1.00E+00	no
Gm5868	0.00	0.00	0.00	1.00E+00	no
Gm5878	0.00	0.00	0.00	1.00E+00	no
Gm5885	0.00	0.00	0.00	1.00E+00	no
Gm5886	0.00	0.00	0.00	1.00E+00	no
Gm5891	0.00	0.00	0.00	1.00E+00	no

Gm590	0.00	0.00	0.00	1.00E+00	no
Gm5916	0.00	0.00	0.00	1.00E+00	no
Gm5934	0.00	0.00	0.00	1.00E+00	no
Gm5935	0.00	0.00	0.00	1.00E+00	no
Gm5936	0.00	0.00	0.00	1.00E+00	no
Gm5938	0.00	0.00	0.00	1.00E+00	no
Gm5941	0.00	0.00	0.00	1.00E+00	no
Gm597	0.00	0.00	0.00	1.00E+00	no
Gm6026	0.00	0.00	0.00	1.00E+00	no
Gm6040	0.00	0.00	0.00	1.00E+00	no
Gm6042	0.00	0.00	0.00	1.00E+00	no
Gm606	0.00	0.00	0.00	1.00E+00	no
Gm6084	0.00	0.00	0.00	1.00E+00	no
Gm609	0.00	0.00	0.00	1.00E+00	no
Gm6121	0.00	0.00	0.00	1.00E+00	no
Gm6164	0.00	0.00	0.00	1.00E+00	no
Gm6289	0.00	0.00	0.00	1.00E+00	no
Gm6300	0.00	0.00	0.00	1.00E+00	no
Gm6320	0.00	0.00	0.00	1.00E+00	no
Gm6406	0.00	0.00	0.00	1.00E+00	no
Gm6455	0.00	0.00	0.00	1.00E+00	no
Gm6460	0.00	0.00	0.00	1.00E+00	no
Gm6588	0.00	0.00	0.00	1.00E+00	no
Gm6592	0.00	0.00	0.00	1.00E+00	no
Gm6614	0.00	0.00	0.00	1.00E+00	no
Gm6696	0.00	0.00	0.00	1.00E+00	no
Gm6760	0.00	0.00	0.00	1.00E+00	no
Gm6772	0.00	0.00	0.00	1.00E+00	no
Gm6792	0.00	0.00	0.00	1.00E+00	no
Gm6793	0.00	0.00	0.00	1.00E+00	no
Gm6812	0.00	0.00	0.00	1.00E+00	no
Gm6878	0.00	0.00	0.00	1.00E+00	no
Gm6890	0.00	0.00	0.00	1.00E+00	no
Gm6927	0.00	0.00	0.00	1.00E+00	no
Gm6938	0.00	0.00	0.00	1.00E+00	no
Gm694	0.00	0.00	0.00	1.00E+00	no
Gm6985	0.00	0.00	0.00	1.00E+00	no
Gm6994	0.00	0.00	0.00	1.00E+00	no
Gm7056	0.00	0.00	0.00	1.00E+00	no
Gm7073	0.00	0.00	0.00	1.00E+00	no
Gm7157	0.00	0.00	0.00	1.00E+00	no
Gm7168	0.00	0.00	0.00	1.00E+00	no

Gm7257	0.00	0.00	0.00	1.00E+00	no
Gm7271	0.00	0.00	0.00	1.00E+00	no
Gm732	0.00	0.00	0.00	1.00E+00	no
Gm7325	0.00	0.00	0.00	1.00E+00	no
Gm7337	0.00	0.00	0.00	1.00E+00	no
Gm749	0.00	0.00	0.00	1.00E+00	no
Gm7534	0.00	0.00	0.00	1.00E+00	no
Gm7550	0.00	0.00	0.00	1.00E+00	no
Gm757	0.00	0.00	0.00	1.00E+00	no
Gm7616	0.00	0.00	0.00	1.00E+00	no
Gm765	0.00	0.00	0.00	1.00E+00	no
Gm7714	0.00	0.00	0.00	1.00E+00	no
Gm773	0.00	0.00	0.00	1.00E+00	no
Gm7849,Gm78	0.00	0.00	0.00	1.00E+00	no
Gm7854	0.00	0.00	0.00	1.00E+00	no
Gm7861	0.00	0.00	0.00	1.00E+00	no
Gm806	0.00	0.00	0.00	1.00E+00	no
Gm813	0.00	0.00	0.00	1.00E+00	no
Gm815	0.00	0.00	0.00	1.00E+00	no
Gm826	0.00	0.00	0.00	1.00E+00	no
Gm8267	0.00	0.00	0.00	1.00E+00	no
Gm829	0.00	0.00	0.00	1.00E+00	no
Gm833	0.00	0.00	0.00	1.00E+00	no
Gm8348	0.00	0.00	0.00	1.00E+00	no
Gm839	0.00	0.00	0.00	1.00E+00	no
Gm8439	0.00	0.00	0.00	1.00E+00	no
Gm853	0.00	0.00	0.00	1.00E+00	no
Gm8660	0.00	0.00	0.00	1.00E+00	no
Gm8677	0.00	0.00	0.00	1.00E+00	no
Gm8693	0.00	0.00	0.00	1.00E+00	no
Gm8709	0.00	0.00	0.00	1.00E+00	no
Gm8720	0.00	0.00	0.00	1.00E+00	no
Gm884	0.00	0.00	0.00	1.00E+00	no
Gm8882	0.00	0.00	0.00	1.00E+00	no
Gm8883	0.00	0.00	0.00	1.00E+00	no
Gm9	0.00	0.00	0.00	1.00E+00	no
Gm904	0.00	0.00	0.00	1.00E+00	no
Gm906	0.00	0.00	0.00	1.00E+00	no
Gm9112	0.00	0.00	0.00	1.00E+00	no
Gm9125	0.00	0.00	0.00	1.00E+00	no
Gm9268	0.00	0.00	0.00	1.00E+00	no
Gm9376	0.00	0.00	0.00	1.00E+00	no

Gm94	0.00	0.00	0.00	1.00E+00	no
Gm9513	0.00	0.00	0.00	1.00E+00	no
Gm9524	0.00	0.00	0.00	1.00E+00	no
Gm9696	0.00	0.00	0.00	1.00E+00	no
Gm97	0.00	0.00	0.00	1.00E+00	no
Gm973	0.00	0.00	0.00	1.00E+00	no
Gm9758	0.00	0.00	0.00	1.00E+00	no
Gm9767	0.00	0.00	0.00	1.00E+00	no
Gm9839	0.00	0.00	0.00	1.00E+00	no
Gm9871	0.00	0.00	0.00	1.00E+00	no
Gm9880	0.00	0.00	0.00	1.00E+00	no
Gm9962	0.00	0.00	0.00	1.00E+00	no
Gmcl1l	0.00	0.00	0.00	1.00E+00	no
Gml	0.00	0.00	0.00	1.00E+00	no
Gnat1	0.00	0.00	0.00	1.00E+00	no
Gnat3	0.00	0.00	0.00	1.00E+00	no
Gng11	0.00	0.00	0.00	1.00E+00	no
Gng12	6.17	7.17	0.00	1.00E+00	no
Gng7	0.00	0.00	0.00	1.00E+00	no
Gngt1	0.00	0.00	0.00	1.00E+00	no
Gnrhr	0.00	0.00	0.00	1.00E+00	no
Golga7b	0.00	0.00	0.00	1.00E+00	no
Golt1a	0.00	0.00	0.00	1.00E+00	no
Got1l1	0.00	0.00	0.00	1.00E+00	no
Gp2	0.00	0.00	0.00	1.00E+00	no
Gp6	0.00	0.00	0.00	1.00E+00	no
Gpa33	0.00	0.00	0.00	1.00E+00	no
Gpbar1	0.00	0.00	0.00	1.00E+00	no
Gpc5	0.00	0.00	0.00	1.00E+00	no
Gpc6	0.00	0.00	0.00	1.00E+00	no
Gpcpd1	37.60	31.34	0.00	1.00E+00	no
Gpha2	0.00	0.00	0.00	1.00E+00	no
Gpihbp1	0.00	0.00	0.00	1.00E+00	no
Gpr101	0.00	0.00	0.00	1.00E+00	no
Gpr114	0.00	0.00	0.00	1.00E+00	no
Gpr116	0.00	0.00	0.00	1.00E+00	no
Gpr119	0.00	0.00	0.00	1.00E+00	no
Gpr120	0.00	0.00	0.00	1.00E+00	no
Gpr123	0.00	0.00	0.00	1.00E+00	no
Gpr135	0.00	0.00	0.00	1.00E+00	no
Gpr139	0.00	0.00	0.00	1.00E+00	no
Gpr142	0.00	0.00	0.00	1.00E+00	no

Gpr143	0.00	0.00	0.00	1.00E+00	no
Gpr149	0.00	0.00	0.00	1.00E+00	no
Gpr158	0.00	0.00	0.00	1.00E+00	no
Gpr165	0.00	0.00	0.00	1.00E+00	no
Gpr17	0.00	0.00	0.00	1.00E+00	no
Gpr173	0.00	0.00	0.00	1.00E+00	no
Gpr26	0.00	0.00	0.00	1.00E+00	no
Gpr27	0.00	0.00	0.00	1.00E+00	no
Gpr33	0.00	0.00	0.00	1.00E+00	no
Gpr3711	0.00	0.00	0.00	1.00E+00	no
Gpr39	0.00	0.00	0.00	1.00E+00	no
Gpr6	0.00	0.00	0.00	1.00E+00	no
Gpr64	0.00	0.00	0.00	1.00E+00	no
Gpr81	0.00	0.00	0.00	1.00E+00	no
Gpr85	0.00	0.00	0.00	1.00E+00	no
Gpr87	0.00	0.00	0.00	1.00E+00	no
Gpr88	0.00	0.00	0.00	1.00E+00	no
Gpr98	0.00	0.00	0.00	1.00E+00	no
Gprc5c	0.00	0.00	0.00	1.00E+00	no
Gprc5d	0.00	0.00	0.00	1.00E+00	no
Gprc6a	0.00	0.00	0.00	1.00E+00	no
Gprin2	0.00	0.00	0.00	1.00E+00	no
Gpx3	0.00	0.00	0.00	1.00E+00	no
Gpx5	0.00	0.00	0.00	1.00E+00	no
Gpx6	0.00	0.00	0.00	1.00E+00	no
Gpx8	0.00	0.00	0.00	1.00E+00	no
Grem2	0.00	0.00	0.00	1.00E+00	no
Gria1	0.00	0.00	0.00	1.00E+00	no
Gria4	0.00	0.00	0.00	1.00E+00	no
Grid1	0.00	0.00	0.00	1.00E+00	no
Grid2	0.00	0.00	0.00	1.00E+00	no
Grifin	0.00	0.00	0.00	1.00E+00	no
Grik1	0.00	0.00	0.00	1.00E+00	no
Grik2	0.00	0.00	0.00	1.00E+00	no
Grik3	0.00	0.00	0.00	1.00E+00	no
Grin1	0.00	0.00	0.00	1.00E+00	no
Grin2a	0.00	0.00	0.00	1.00E+00	no
Grin2b	0.00	0.00	0.00	1.00E+00	no
Grm1	0.00	0.00	0.00	1.00E+00	no
Grm3	0.00	0.00	0.00	1.00E+00	no
Grm4	0.00	0.00	0.00	1.00E+00	no
Grm5	0.00	0.00	0.00	1.00E+00	no

Grm7	0.00	0.00	0.00	1.00E+00	no
Grp	0.00	0.00	0.00	1.00E+00	no
Grpr	0.00	0.00	0.00	1.00E+00	no
Grrp1	0.00	0.00	0.00	1.00E+00	no
Grxcr1	0.00	0.00	0.00	1.00E+00	no
Grxcr2	0.00	0.00	0.00	1.00E+00	no
Gsbs	0.00	0.00	0.00	1.00E+00	no
Gsc	0.00	0.00	0.00	1.00E+00	no
Gsdma	0.00	0.00	0.00	1.00E+00	no
Gsdma2	0.00	0.00	0.00	1.00E+00	no
Gsdma3	0.00	0.00	0.00	1.00E+00	no
Gsdmc	0.00	0.00	0.00	1.00E+00	no
Gsdmc2	0.00	0.00	0.00	1.00E+00	no
Gsdmc3	0.00	0.00	0.00	1.00E+00	no
Gsdmcl-ps	0.00	0.00	0.00	1.00E+00	no
Gsdmcl1	0.00	0.00	0.00	1.00E+00	no
Gspt1	35.98	28.14	0.00	1.00E+00	no
Gsta2	0.00	0.00	0.00	1.00E+00	no
Gsta3	0.00	0.00	0.00	1.00E+00	no
Gstm6	0.00	0.00	0.00	1.00E+00	no
Gsx1	0.00	0.00	0.00	1.00E+00	no
Gsx2	0.00	0.00	0.00	1.00E+00	no
Gtf2i	38.66	34.20	0.00	1.00E+00	no
Gtf2ird1	5.24	9.39	0.00	1.00E+00	no
Guca2a	0.00	0.00	0.00	1.00E+00	no
Gucy1a2	0.00	0.00	0.00	1.00E+00	no
Gucy1b3	0.00	0.00	0.00	1.00E+00	no
Gucy2c	0.00	0.00	0.00	1.00E+00	no
Gucy2d	0.00	0.00	0.00	1.00E+00	no
Gucy2e	0.00	0.00	0.00	1.00E+00	no
Gucy2f	0.00	0.00	0.00	1.00E+00	no
Gxylt2	0.00	0.00	0.00	1.00E+00	no
Gykl1	0.00	0.00	0.00	1.00E+00	no
Gzmc	0.00	0.00	0.00	1.00E+00	no
Gzmd	0.00	0.00	0.00	1.00E+00	no
Gzme	0.00	0.00	0.00	1.00E+00	no
Gzmf	0.00	0.00	0.00	1.00E+00	no
Gzmg	0.00	0.00	0.00	1.00E+00	no
Gzmk	0.00	0.00	0.00	1.00E+00	no
Gzmn	0.00	0.00	0.00	1.00E+00	no
H1fnt	0.00	0.00	0.00	1.00E+00	no
H2-BI	0.00	0.00	0.00	1.00E+00	no

H2-Ea-ps	0.00	0.00	0.00	1.00E+00	no
H2-M1	0.00	0.00	0.00	1.00E+00	no
H2-M10.1	0.00	0.00	0.00	1.00E+00	no
H2-M10.3	0.00	0.00	0.00	1.00E+00	no
H2-M10.4	0.00	0.00	0.00	1.00E+00	no
H2-M10.5	0.00	0.00	0.00	1.00E+00	no
H2-M11	0.00	0.00	0.00	1.00E+00	no
H2-M2	0.00	0.00	0.00	1.00E+00	no
H2-M9	0.00	0.00	0.00	1.00E+00	no
H28	0.00	0.00	0.00	1.00E+00	no
H2afb1	0.00	0.00	0.00	1.00E+00	no
H2afy	162.33	140.26	0.00	1.00E+00	no
Habp2	0.00	0.00	0.00	1.00E+00	no
Hamp2	0.00	0.00	0.00	1.00E+00	no
Hand1	0.00	0.00	0.00	1.00E+00	no
Hand2	0.00	0.00	0.00	1.00E+00	no
Hao1	0.00	0.00	0.00	1.00E+00	no
Hao2	0.00	0.00	0.00	1.00E+00	no
Hapln1	0.00	0.00	0.00	1.00E+00	no
Hapln3	0.00	0.00	0.00	1.00E+00	no
Has2	0.00	0.00	0.00	1.00E+00	no
Has2as	0.00	0.00	0.00	1.00E+00	no
Hba-x	0.00	0.00	0.00	1.00E+00	no
Hbb-bh1	0.00	0.00	0.00	1.00E+00	no
Hbb-y	0.00	0.00	0.00	1.00E+00	no
Hbq1	0.00	0.00	0.00	1.00E+00	no
Hcn4	0.00	0.00	0.00	1.00E+00	no
Hctr1	0.00	0.00	0.00	1.00E+00	no
Hdhd1a	0.00	0.00	0.00	1.00E+00	no
Hdx	0.00	0.00	0.00	1.00E+00	no
Heatr7b2	0.00	0.00	0.00	1.00E+00	no
Hectd2	0.00	0.00	0.00	1.00E+00	no
Hecw1	0.00	0.00	0.00	1.00E+00	no
Helt	0.00	0.00	0.00	1.00E+00	no
Hemt1	0.00	0.00	0.00	1.00E+00	no
Heph	0.00	0.00	0.00	1.00E+00	no
Heph11	0.00	0.00	0.00	1.00E+00	no
Hes2	0.00	0.00	0.00	1.00E+00	no
Hhatl	0.00	0.00	0.00	1.00E+00	no
Hhip	0.00	0.00	0.00	1.00E+00	no
Hhipl1	0.00	0.00	0.00	1.00E+00	no
Hhipl2	0.00	0.00	0.00	1.00E+00	no

Higd1b	0.00	0.00	0.00	1.00E+00	no
Higd1c	0.00	0.00	0.00	1.00E+00	no
Hist1h1t	0.00	0.00	0.00	1.00E+00	no
Hist1h2aa	0.00	0.00	0.00	1.00E+00	no
Hist1h2ad	0.00	0.00	0.00	1.00E+00	no
Hist1h2af	0.00	0.00	0.00	1.00E+00	no
Hist1h2ah	0.00	0.00	0.00	1.00E+00	no
Hist1h2ai	0.00	0.00	0.00	1.00E+00	no
Hist1h2ap	0.00	0.00	0.00	1.00E+00	no
Hist1h2ba	0.00	0.00	0.00	1.00E+00	no
Hist1h2bf	0.00	0.00	0.00	1.00E+00	no
Hist1h2bl	0.00	0.00	0.00	1.00E+00	no
Hist1h2bm	0.00	0.00	0.00	1.00E+00	no
Hkdc1	0.00	0.00	0.00	1.00E+00	no
Hmga1	380.15	278.98	0.00	1.00E+00	no
Hmga1-rs1	280.29	406.89	0.00	1.00E+00	no
Hmgb4	0.00	0.00	0.00	1.00E+00	no
Hmgcs1	0.00	0.00	0.00	1.00E+00	no
Hmx1	0.00	0.00	0.00	1.00E+00	no
Hmx3	0.00	0.00	0.00	1.00E+00	no
Hnf4g	0.00	0.00	0.00	1.00E+00	no
Hnrnpa3	76.73	65.21	0.00	1.00E+00	no
Hnrnpd	47.56	35.75	0.00	1.00E+00	no
Homer2	0.00	0.00	0.00	1.00E+00	no
Hook2	3.45	7.91	0.00	1.00E+00	no
Hormad1	0.00	0.00	0.00	1.00E+00	no
Hoxa10	0.00	0.00	0.00	1.00E+00	no
Hoxa11as	0.00	0.00	0.00	1.00E+00	no
Hoxa13	0.00	0.00	0.00	1.00E+00	no
Hoxb13	0.00	0.00	0.00	1.00E+00	no
Hoxb2	0.00	0.00	0.00	1.00E+00	no
Hoxb8	0.00	0.00	0.00	1.00E+00	no
Hoxb9	0.00	0.00	0.00	1.00E+00	no
Hoxc10	0.00	0.00	0.00	1.00E+00	no
Hoxc11	0.00	0.00	0.00	1.00E+00	no
Hoxc12	0.00	0.00	0.00	1.00E+00	no
Hoxc13	0.00	0.00	0.00	1.00E+00	no
Hoxc5	0.00	0.00	0.00	1.00E+00	no
Hoxc8	0.00	0.00	0.00	1.00E+00	no
Hoxc9	0.00	0.00	0.00	1.00E+00	no
Hoxd1	0.00	0.00	0.00	1.00E+00	no
Hoxd10	0.00	0.00	0.00	1.00E+00	no

Hoxd11	0.00	0.00	0.00	1.00E+00	no
Hoxd12	0.00	0.00	0.00	1.00E+00	no
Hoxd13	0.00	0.00	0.00	1.00E+00	no
Hoxd3	0.00	0.00	0.00	1.00E+00	no
Hoxd4	0.00	0.00	0.00	1.00E+00	no
Hoxd8	0.00	0.00	0.00	1.00E+00	no
Hoxd9	0.00	0.00	0.00	1.00E+00	no
Hpcal4	0.00	0.00	0.00	1.00E+00	no
Hpd	0.00	0.00	0.00	1.00E+00	no
Hpn	0.00	0.00	0.00	1.00E+00	no
Hpse2	0.00	0.00	0.00	1.00E+00	no
Hrasls	0.00	0.00	0.00	1.00E+00	no
Hrasls5	0.00	0.00	0.00	1.00E+00	no
Hrct1	0.00	0.00	0.00	1.00E+00	no
Hrh3	0.00	0.00	0.00	1.00E+00	no
Hrk	0.00	0.00	0.00	1.00E+00	no
Hrnrr	0.00	0.00	0.00	1.00E+00	no
Hs3st2	0.00	0.00	0.00	1.00E+00	no
Hs3st3a1	0.02	0.00	0.00	1.00E+00	no
Hs3st5	0.00	0.00	0.00	1.00E+00	no
Hs3st6	0.00	0.00	0.00	1.00E+00	no
Hs6st2	0.00	0.00	0.00	1.00E+00	no
Hs6st3	0.00	0.00	0.00	1.00E+00	no
Hsd17b2	0.00	0.00	0.00	1.00E+00	no
Hsd17b6	0.00	0.00	0.00	1.00E+00	no
Hsd3b1	0.00	0.00	0.00	1.00E+00	no
Hsd3b2	0.00	0.00	0.00	1.00E+00	no
Hsd3b3	0.00	0.00	0.00	1.00E+00	no
Hsd3b4	0.00	0.00	0.00	1.00E+00	no
Hsd3b5	0.00	0.00	0.00	1.00E+00	no
Hsd3b6	0.00	0.00	0.00	1.00E+00	no
Hsf3	0.00	0.00	0.00	1.00E+00	no
Hsfy2	0.00	0.00	0.00	1.00E+00	no
Hspb3	0.00	0.00	0.00	1.00E+00	no
Hspb7	0.00	0.00	0.00	1.00E+00	no
Htr1d	0.00	0.00	0.00	1.00E+00	no
Htr2c	0.00	0.00	0.00	1.00E+00	no
Htr3a	0.00	0.00	0.00	1.00E+00	no
Htr3b	0.00	0.00	0.00	1.00E+00	no
Htr4	0.00	0.00	0.00	1.00E+00	no
Htr5a	0.00	0.00	0.00	1.00E+00	no
Htr5b	0.00	0.00	0.00	1.00E+00	no

Htr6	0.00	0.00	0.00	1.00E+00	no
Htr7	0.00	0.00	0.00	1.00E+00	no
Hyal4	0.00	0.00	0.00	1.00E+00	no
Hyal5	0.00	0.00	0.00	1.00E+00	no
Hyal6	0.00	0.00	0.00	1.00E+00	no
Hydin	0.00	0.00	0.00	1.00E+00	no
lapp	0.00	0.00	0.00	1.00E+00	no
ld4	0.00	0.00	0.00	1.00E+00	no
ldi2	0.00	0.00	0.00	1.00E+00	no
ldo1	0.00	0.00	0.00	1.00E+00	no
ldo2	0.00	0.00	0.00	1.00E+00	no
lfi202b	0.00	0.00	0.00	1.00E+00	no
lfitm7	0.00	0.00	0.00	1.00E+00	no
lfltd1	0.00	0.00	0.00	1.00E+00	no
lfna1	0.00	0.00	0.00	1.00E+00	no
lfna11	0.00	0.00	0.00	1.00E+00	no
lfna12	0.00	0.00	0.00	1.00E+00	no
lfna13	0.00	0.00	0.00	1.00E+00	no
lfna2	0.00	0.00	0.00	1.00E+00	no
lfna4	0.00	0.00	0.00	1.00E+00	no
lfna5	0.00	0.00	0.00	1.00E+00	no
lfna6	0.00	0.00	0.00	1.00E+00	no
lfna7	0.00	0.00	0.00	1.00E+00	no
lfna9	0.00	0.00	0.00	1.00E+00	no
lfnab	0.00	0.00	0.00	1.00E+00	no
lfnb1	0.00	0.00	0.00	1.00E+00	no
lfne	0.00	0.00	0.00	1.00E+00	no
lfnz	0.00	0.00	0.00	1.00E+00	no
lgbp1b	0.00	0.00	0.00	1.00E+00	no
lgf1	0.00	0.00	0.00	1.00E+00	no
lgf2	0.00	0.00	0.00	1.00E+00	no
lgf2bp1	0.00	0.00	0.00	1.00E+00	no
lgfals	0.00	0.00	0.00	1.00E+00	no
lgfbp1	0.00	0.00	0.00	1.00E+00	no
lgfbp2	0.00	0.00	0.00	1.00E+00	no
lgfbp7	0.00	0.00	0.00	1.00E+00	no
lgfbpl1	0.00	0.00	0.00	1.00E+00	no
lgfl3	0.00	0.00	0.00	1.00E+00	no
lgsf1	0.00	0.00	0.00	1.00E+00	no
lgsf21	0.00	0.00	0.00	1.00E+00	no
ll10	0.00	0.00	0.00	1.00E+00	no
ll12b	0.00	0.00	0.00	1.00E+00	no

Il13	0.00	0.00	0.00	1.00E+00	no
Il13ra2	0.00	0.00	0.00	1.00E+00	no
Il17a	0.00	0.00	0.00	1.00E+00	no
Il17b	0.00	0.00	0.00	1.00E+00	no
Il17d	0.00	0.00	0.00	1.00E+00	no
Il17re	0.00	0.00	0.00	1.00E+00	no
Il19	0.00	0.00	0.00	1.00E+00	no
Il1f10	0.00	0.00	0.00	1.00E+00	no
Il1f5	0.00	0.00	0.00	1.00E+00	no
Il1f6	0.00	0.00	0.00	1.00E+00	no
Il1f8	0.00	0.00	0.00	1.00E+00	no
Il1rapl1	0.00	0.00	0.00	1.00E+00	no
Il1rn	0.00	0.00	0.00	1.00E+00	no
Il2	0.00	0.00	0.00	1.00E+00	no
Il20	0.00	0.00	0.00	1.00E+00	no
Il21	0.00	0.00	0.00	1.00E+00	no
Il22	0.00	0.00	0.00	1.00E+00	no
Il22ra1	0.00	0.00	0.00	1.00E+00	no
Il23r	0.00	0.00	0.00	1.00E+00	no
Il24	0.00	0.00	0.00	1.00E+00	no
Il25	0.00	0.00	0.00	1.00E+00	no
Il27	0.00	0.00	0.00	1.00E+00	no
Il28a	0.00	0.00	0.00	1.00E+00	no
Il28b	0.00	0.00	0.00	1.00E+00	no
Il3	0.00	0.00	0.00	1.00E+00	no
Il31	0.00	0.00	0.00	1.00E+00	no
Il34	0.00	0.00	0.00	1.00E+00	no
Il4i1	0.00	0.00	0.00	1.00E+00	no
Il6	0.00	0.00	0.00	1.00E+00	no
Il9	0.00	0.00	0.00	1.00E+00	no
Il9r	0.00	0.00	0.00	1.00E+00	no
Illdr2	0.00	0.00	0.00	1.00E+00	no
Ilf3	63.51	56.56	0.00	1.00E+00	no
Iltifb	0.00	0.00	0.00	1.00E+00	no
Inha	0.00	0.00	0.00	1.00E+00	no
Inhbc	0.00	0.00	0.00	1.00E+00	no
Inhbe	0.00	0.00	0.00	1.00E+00	no
Inmt	0.00	0.00	0.00	1.00E+00	no
Ins1	0.00	0.00	0.00	1.00E+00	no
Ins2	0.00	0.00	0.00	1.00E+00	no
Insc	0.00	0.00	0.00	1.00E+00	no
Insm2	0.00	0.00	0.00	1.00E+00	no

lp6k3	0.00	0.00	0.00	1.00E+00	no
lpw	0.00	0.00	0.00	1.00E+00	no
lqca	0.00	0.00	0.00	1.00E+00	no
lqcf1	0.00	0.00	0.00	1.00E+00	no
lqcf3	0.00	0.00	0.00	1.00E+00	no
lqcf4	0.00	0.00	0.00	1.00E+00	no
lqcf6	0.00	0.00	0.00	1.00E+00	no
lqcj,lqcj-schip1	0.00	0.00	0.00	1.00E+00	no
lqcj-schip1	0.00	0.00	0.00	1.00E+00	no
lqsec3	0.00	0.00	0.00	1.00E+00	no
lrs3	0.00	0.00	0.00	1.00E+00	no
lrs4	0.00	0.00	0.00	1.00E+00	no
lrx1	0.00	0.00	0.00	1.00E+00	no
lrx2	0.00	0.00	0.00	1.00E+00	no
lrx3	0.00	0.00	0.00	1.00E+00	no
lrx4	0.00	0.00	0.00	1.00E+00	no
lrx5	0.00	0.00	0.00	1.00E+00	no
lrx6	0.00	0.00	0.00	1.00E+00	no
lsl2	0.00	0.00	0.00	1.00E+00	no
lsx	0.00	0.00	0.00	1.00E+00	no
ltga2	0.00	0.00	0.00	1.00E+00	no
ltgb1bp3	0.00	0.00	0.00	1.00E+00	no
ltgb5	0.31	0.00	0.00	1.00E+00	no
ltgb6	0.00	0.00	0.00	1.00E+00	no
ltgbl1	0.00	0.00	0.00	1.00E+00	no
ltih1	0.00	0.00	0.00	1.00E+00	no
ltih3	0.00	0.00	0.00	1.00E+00	no
ltih4	0.00	0.00	0.00	1.00E+00	no
lyd	0.00	0.00	0.00	1.00E+00	no
lzumo2	0.00	0.00	0.00	1.00E+00	no
lzumo3	0.00	0.00	0.00	1.00E+00	no
Jakmip2	0.00	0.00	0.00	1.00E+00	no
Jazf1	0.31	0.00	0.00	1.00E+00	no
Jrkl	0.00	0.00	0.00	1.00E+00	no
Kank4	0.00	0.00	0.00	1.00E+00	no
Kap	0.00	0.00	0.00	1.00E+00	no
Kbtbd5	0.00	0.00	0.00	1.00E+00	no
Kcna1	0.00	0.00	0.00	1.00E+00	no
Kcna4	0.00	0.00	0.00	1.00E+00	no
Kcnb2	0.00	0.00	0.00	1.00E+00	no
Kcnc2	0.00	0.00	0.00	1.00E+00	no
Kcnc4	0.00	0.00	0.00	1.00E+00	no

Kcnd2	0.00	0.00	0.00	1.00E+00	no
Kcne11	0.00	0.00	0.00	1.00E+00	no
Kcne3	0.00	0.00	0.00	1.00E+00	no
Kcne4	0.00	0.00	0.00	1.00E+00	no
Kcng4	0.00	0.00	0.00	1.00E+00	no
Kcnh1	0.00	0.00	0.00	1.00E+00	no
Kcnh5	0.00	0.00	0.00	1.00E+00	no
Kcnh7	0.00	0.00	0.00	1.00E+00	no
Kcnip2	0.00	0.00	0.00	1.00E+00	no
Kcnj12	0.00	0.00	0.00	1.00E+00	no
Kcnj15	0.00	0.00	0.00	1.00E+00	no
Kcnj3	0.00	0.00	0.00	1.00E+00	no
Kcnj4	0.00	0.00	0.00	1.00E+00	no
Kcnj6	0.00	0.00	0.00	1.00E+00	no
Kcnj8	0.00	0.00	0.00	1.00E+00	no
Kcnk1	0.00	0.00	0.00	1.00E+00	no
Kcnk13	0.68	0.00	0.00	1.00E+00	no
Kcnk15	0.00	0.00	0.00	1.00E+00	no
Kcnk18	0.00	0.00	0.00	1.00E+00	no
Kcnk2	0.00	0.00	0.00	1.00E+00	no
Kcnk9	0.00	0.00	0.00	1.00E+00	no
Kcnma1	0.00	0.00	0.00	1.00E+00	no
Kcnmb2	0.00	0.00	0.00	1.00E+00	no
Kcnn2	0.00	0.00	0.00	1.00E+00	no
Kcnn3	0.00	0.00	0.00	1.00E+00	no
Kcnq1	0.00	0.00	0.00	1.00E+00	no
Kcnq2	0.00	0.00	0.00	1.00E+00	no
Kcns1	0.00	0.00	0.00	1.00E+00	no
Kcns2	0.00	0.00	0.00	1.00E+00	no
Kcnt2	0.00	0.00	0.00	1.00E+00	no
Kcnv1	0.00	0.00	0.00	1.00E+00	no
Kcnv2	0.00	0.00	0.00	1.00E+00	no
Kctd16	0.00	0.00	0.00	1.00E+00	no
Kctd8	0.00	0.00	0.00	1.00E+00	no
Kdelr3	0.00	0.00	0.00	1.00E+00	no
Keg1	0.00	0.00	0.00	1.00E+00	no
Kera	0.00	0.00	0.00	1.00E+00	no
Khdc1b	0.00	0.00	0.00	1.00E+00	no
Kif12	0.00	0.00	0.00	1.00E+00	no
Kif1a	0.00	0.00	0.00	1.00E+00	no
Kif21a	0.00	0.00	0.00	1.00E+00	no
Kif2b	0.00	0.00	0.00	1.00E+00	no

Kir3dl1	0.00	0.00	0.00	1.00E+00	no
Kir3dl2	0.00	0.00	0.00	1.00E+00	no
Kirrel	0.00	0.00	0.00	1.00E+00	no
Kirrel3	0.00	0.00	0.00	1.00E+00	no
Kl	0.00	0.00	0.00	1.00E+00	no
Klf14	0.00	0.00	0.00	1.00E+00	no
Klhdc7a	0.00	0.00	0.00	1.00E+00	no
Klh1	0.00	0.00	0.00	1.00E+00	no
Klh13	0.00	0.00	0.00	1.00E+00	no
Klh138	0.00	0.00	0.00	1.00E+00	no
Klk10	0.00	0.00	0.00	1.00E+00	no
Klk11	0.00	0.00	0.00	1.00E+00	no
Klk12	0.00	0.00	0.00	1.00E+00	no
Klk13	0.00	0.00	0.00	1.00E+00	no
Klk14	0.00	0.00	0.00	1.00E+00	no
Klk15	0.00	0.00	0.00	1.00E+00	no
Klk1b1	0.00	0.00	0.00	1.00E+00	no
Klk1b11	0.00	0.00	0.00	1.00E+00	no
Klk1b16	0.00	0.00	0.00	1.00E+00	no
Klk1b21	0.00	0.00	0.00	1.00E+00	no
Klk1b24	0.00	0.00	0.00	1.00E+00	no
Klk1b26	0.00	0.00	0.00	1.00E+00	no
Klk1b27	0.00	0.00	0.00	1.00E+00	no
Klk1b3	0.00	0.00	0.00	1.00E+00	no
Klk1b7-ps	0.00	0.00	0.00	1.00E+00	no
Klk1b8	0.00	0.00	0.00	1.00E+00	no
Klk1b9	0.00	0.00	0.00	1.00E+00	no
Klk4	0.00	0.00	0.00	1.00E+00	no
Klk6	0.00	0.00	0.00	1.00E+00	no
Klra10	0.00	0.00	0.00	1.00E+00	no
Klra15	0.00	0.00	0.00	1.00E+00	no
Klra18	0.00	0.00	0.00	1.00E+00	no
Klra19	0.00	0.00	0.00	1.00E+00	no
Klra21	0.00	0.00	0.00	1.00E+00	no
Klra22	0.16	0.00	0.00	1.00E+00	no
Klra23	0.00	0.00	0.00	1.00E+00	no
Klra33	0.00	0.00	0.00	1.00E+00	no
Klra4	0.00	0.00	0.00	1.00E+00	no
Klra5	0.00	0.00	0.00	1.00E+00	no
Klra9	0.04	0.00	0.00	1.00E+00	no
Klrc1	0.00	0.00	0.00	1.00E+00	no
Klrg1	0.00	0.00	0.00	1.00E+00	no

Klri1	0.00	0.00	0.00	1.00E+00	no
Klrk1	0.00	0.00	0.00	1.00E+00	no
Kncn	0.00	0.00	0.00	1.00E+00	no
Kng1	0.00	0.00	0.00	1.00E+00	no
Kng2	0.00	0.00	0.00	1.00E+00	no
Kpna7	0.00	0.00	0.00	1.00E+00	no
Krt1	0.00	0.00	0.00	1.00E+00	no
Krt12	0.00	0.00	0.00	1.00E+00	no
Krt13	0.00	0.00	0.00	1.00E+00	no
Krt14	0.00	0.00	0.00	1.00E+00	no
Krt15	0.00	0.00	0.00	1.00E+00	no
Krt16	0.00	0.00	0.00	1.00E+00	no
Krt17	0.00	0.00	0.00	1.00E+00	no
Krt19	0.00	0.00	0.00	1.00E+00	no
Krt20	0.00	0.00	0.00	1.00E+00	no
Krt23	0.00	0.00	0.00	1.00E+00	no
Krt24	0.00	0.00	0.00	1.00E+00	no
Krt25	0.00	0.00	0.00	1.00E+00	no
Krt26	0.00	0.00	0.00	1.00E+00	no
Krt27	0.00	0.00	0.00	1.00E+00	no
Krt31	0.00	0.00	0.00	1.00E+00	no
Krt32	0.00	0.00	0.00	1.00E+00	no
Krt33a	0.00	0.00	0.00	1.00E+00	no
Krt33b	0.00	0.00	0.00	1.00E+00	no
Krt34	0.00	0.00	0.00	1.00E+00	no
Krt35	0.00	0.00	0.00	1.00E+00	no
Krt36	0.00	0.00	0.00	1.00E+00	no
Krt39	0.00	0.00	0.00	1.00E+00	no
Krt4	0.00	0.00	0.00	1.00E+00	no
Krt40	0.00	0.00	0.00	1.00E+00	no
Krt5	0.00	0.00	0.00	1.00E+00	no
Krt6a	0.00	0.00	0.00	1.00E+00	no
Krt6b	0.00	0.00	0.00	1.00E+00	no
Krt71	0.00	0.00	0.00	1.00E+00	no
Krt72-ps	0.00	0.00	0.00	1.00E+00	no
Krt73	0.00	0.00	0.00	1.00E+00	no
Krt74	0.00	0.00	0.00	1.00E+00	no
Krt75	0.00	0.00	0.00	1.00E+00	no
Krt76	0.00	0.00	0.00	1.00E+00	no
Krt77	0.00	0.00	0.00	1.00E+00	no
Krt78	0.00	0.00	0.00	1.00E+00	no
Krt79	0.00	0.00	0.00	1.00E+00	no

Krt8	0.00	0.00	0.00	1.00E+00	no
Krt84	0.00	0.00	0.00	1.00E+00	no
Krt85	0.00	0.00	0.00	1.00E+00	no
Krt9	0.00	0.00	0.00	1.00E+00	no
Krtap1-3	0.00	0.00	0.00	1.00E+00	no
Krtap1-4	0.00	0.00	0.00	1.00E+00	no
Krtap1-5	0.00	0.00	0.00	1.00E+00	no
Krtap10-10	0.00	0.00	0.00	1.00E+00	no
Krtap10-4	0.00	0.00	0.00	1.00E+00	no
Krtap11-1	0.00	0.00	0.00	1.00E+00	no
Krtap12-1	0.00	0.00	0.00	1.00E+00	no
Krtap13	0.00	0.00	0.00	1.00E+00	no
Krtap13-1	0.00	0.00	0.00	1.00E+00	no
Krtap14	0.00	0.00	0.00	1.00E+00	no
Krtap15	0.00	0.00	0.00	1.00E+00	no
Krtap16-1	0.00	0.00	0.00	1.00E+00	no
Krtap16-10	0.00	0.00	0.00	1.00E+00	no
Krtap16-4	0.00	0.00	0.00	1.00E+00	no
Krtap16-5	0.00	0.00	0.00	1.00E+00	no
Krtap16-8	0.00	0.00	0.00	1.00E+00	no
Krtap16-9	0.00	0.00	0.00	1.00E+00	no
Krtap17-1	0.00	0.00	0.00	1.00E+00	no
Krtap2-4	0.00	0.00	0.00	1.00E+00	no
Krtap20-2	0.00	0.00	0.00	1.00E+00	no
Krtap22-2	0.00	0.00	0.00	1.00E+00	no
Krtap24-1	0.00	0.00	0.00	1.00E+00	no
Krtap26-1	0.00	0.00	0.00	1.00E+00	no
Krtap27-1	0.00	0.00	0.00	1.00E+00	no
Krtap3-1	0.00	0.00	0.00	1.00E+00	no
Krtap3-2	0.00	0.00	0.00	1.00E+00	no
Krtap3-3	0.00	0.00	0.00	1.00E+00	no
Krtap31-1	0.00	0.00	0.00	1.00E+00	no
Krtap31-2	0.00	0.00	0.00	1.00E+00	no
Krtap4-1	0.00	0.00	0.00	1.00E+00	no
Krtap4-13	0.00	0.00	0.00	1.00E+00	no
Krtap4-16	0.00	0.00	0.00	1.00E+00	no
Krtap4-2	0.00	0.00	0.00	1.00E+00	no
Krtap4-6	0.00	0.00	0.00	1.00E+00	no
Krtap4-7	0.00	0.00	0.00	1.00E+00	no
Krtap4-8	0.00	0.00	0.00	1.00E+00	no
Krtap4-9	0.00	0.00	0.00	1.00E+00	no
Krtap5-1	0.00	0.00	0.00	1.00E+00	no

Krtap5-2	0.00	0.00	0.00	1.00E+00	no
Krtap5-3	0.00	0.00	0.00	1.00E+00	no
Krtap5-4	0.00	0.00	0.00	1.00E+00	no
Krtap5-5	0.00	0.00	0.00	1.00E+00	no
Krtap6-1	0.00	0.00	0.00	1.00E+00	no
Krtap6-2	0.00	0.00	0.00	1.00E+00	no
Krtap7-1	0.00	0.00	0.00	1.00E+00	no
Krtap8-1	0.00	0.00	0.00	1.00E+00	no
Krtap8-2	0.00	0.00	0.00	1.00E+00	no
Krtap9-1	0.00	0.00	0.00	1.00E+00	no
Krtap9-3	0.00	0.00	0.00	1.00E+00	no
Krtap9-5	0.00	0.00	0.00	1.00E+00	no
Krtdap	0.00	0.00	0.00	1.00E+00	no
Ky	0.00	0.00	0.00	1.00E+00	no
L3mbtl4	0.00	0.00	0.00	1.00E+00	no
LOC100009614	0.00	0.00	0.00	1.00E+00	no
LOC100039574	0.00	0.00	0.00	1.00E+00	no
LOC100039614	0.00	0.00	0.00	1.00E+00	no
LOC100039753	0.00	0.00	0.00	1.00E+00	no
LOC100039810	0.00	0.00	0.00	1.00E+00	no
LOC100040022	0.00	0.00	0.00	1.00E+00	no
LOC100040031	0.00	0.00	0.00	1.00E+00	no
LOC100040160	0.00	0.00	0.00	1.00E+00	no
LOC100040223	0.00	0.00	0.00	1.00E+00	no
LOC100040786	0.00	0.00	0.00	1.00E+00	no
LOC100040911	0.00	0.00	0.00	1.00E+00	no
LOC100041223	0.00	0.00	0.00	1.00E+00	no
LOC100041256	0.00	0.00	0.00	1.00E+00	no
LOC100041550	0.00	0.00	0.00	1.00E+00	no
LOC100042428	0.00	0.00	0.00	1.00E+00	no
LOC100043315	0.00	0.00	0.00	1.00E+00	no
LOC100048884	0.00	0.00	0.00	1.00E+00	no
LOC100048885	0.00	0.00	0.00	1.00E+00	no
LOC100233207	0.00	0.00	0.00	1.00E+00	no
LOC100271928	0.00	0.00	0.00	1.00E+00	no
LOC100302688	0.00	0.00	0.00	1.00E+00	no
LOC100415784	0.00	0.00	0.00	1.00E+00	no
LOC16697	0.00	0.00	0.00	1.00E+00	no
LOC380994	0.00	0.00	0.00	1.00E+00	no
LOC382133	0.00	0.00	0.00	1.00E+00	no
LOC434960	0.00	0.00	0.00	1.00E+00	no
LOC545947	0.00	0.00	0.00	1.00E+00	no

LOC547349	0.00	0.00	0.00	1.00E+00	no
LOC664987	0.00	0.00	0.00	1.00E+00	no
Lama1	0.00	0.00	0.00	1.00E+00	no
Lama2	0.00	0.00	0.00	1.00E+00	no
Lamc3	0.00	0.00	0.00	1.00E+00	no
Lbx1	0.00	0.00	0.00	1.00E+00	no
Lce1a1	0.00	0.00	0.00	1.00E+00	no
Lce1a2	0.00	0.00	0.00	1.00E+00	no
Lce1b	0.00	0.00	0.00	1.00E+00	no
Lce1c	0.00	0.00	0.00	1.00E+00	no
Lce1d	0.00	0.00	0.00	1.00E+00	no
Lce1e	0.00	0.00	0.00	1.00E+00	no
Lce1f	0.00	0.00	0.00	1.00E+00	no
Lce1g	0.00	0.00	0.00	1.00E+00	no
Lce1h	0.00	0.00	0.00	1.00E+00	no
Lce1i	0.00	0.00	0.00	1.00E+00	no
Lce1l	0.00	0.00	0.00	1.00E+00	no
Lce1m	0.00	0.00	0.00	1.00E+00	no
Lce3a	0.00	0.00	0.00	1.00E+00	no
Lce3b	0.00	0.00	0.00	1.00E+00	no
Lce3c	0.00	0.00	0.00	1.00E+00	no
Lce3f	0.00	0.00	0.00	1.00E+00	no
Lce6a	0.00	0.00	0.00	1.00E+00	no
Lcn10	0.00	0.00	0.00	1.00E+00	no
Lcn11	0.00	0.00	0.00	1.00E+00	no
Lcn13	0.00	0.00	0.00	1.00E+00	no
Lcn14	0.00	0.00	0.00	1.00E+00	no
Lcn3	0.00	0.00	0.00	1.00E+00	no
Lcn5	0.00	0.00	0.00	1.00E+00	no
Lcn6	0.00	0.00	0.00	1.00E+00	no
Lcn8	0.00	0.00	0.00	1.00E+00	no
Lcn9	0.00	0.00	0.00	1.00E+00	no
Ldb2	0.00	0.00	0.00	1.00E+00	no
Ldb3	0.00	0.00	0.00	1.00E+00	no
Ldlrad2	0.00	0.00	0.00	1.00E+00	no
Ldoc1	0.00	0.00	0.00	1.00E+00	no
Lect2	0.00	0.00	0.00	1.00E+00	no
Lelp1	0.00	0.00	0.00	1.00E+00	no
Lemd1	0.00	0.00	0.00	1.00E+00	no
Lep	0.00	0.00	0.00	1.00E+00	no
Leprel1	0.00	0.00	0.00	1.00E+00	no
Lgals2	0.00	0.00	0.00	1.00E+00	no

Lgi1	0.00	0.00	0.00	1.00E+00	no
Lgi3	0.00	0.00	0.00	1.00E+00	no
Lgsn	0.00	0.00	0.00	1.00E+00	no
Lhb	0.00	0.00	0.00	1.00E+00	no
Lhcgr	0.00	0.00	0.00	1.00E+00	no
Lhfp13	0.00	0.00	0.00	1.00E+00	no
Lhx3	0.00	0.00	0.00	1.00E+00	no
Lhx4	0.00	0.00	0.00	1.00E+00	no
Lhx5	0.00	0.00	0.00	1.00E+00	no
Lhx6	0.00	0.00	0.00	1.00E+00	no
Lhx8	0.00	0.00	0.00	1.00E+00	no
Lilra5	0.00	0.00	0.00	1.00E+00	no
Lim2	0.00	0.00	0.00	1.00E+00	no
Lin7a	0.00	0.00	0.00	1.00E+00	no
Lingo2	0.00	0.00	0.00	1.00E+00	no
Lingo4	0.00	0.00	0.00	1.00E+00	no
Lipa	12.06	16.51	0.00	1.00E+00	no
Lipe	5.97	4.04	0.00	1.00E+00	no
Lipf	0.00	0.00	0.00	1.00E+00	no
Lipi	0.00	0.00	0.00	1.00E+00	no
Lipk	0.00	0.00	0.00	1.00E+00	no
Lipn	0.00	0.00	0.00	1.00E+00	no
Llgl1	19.13	15.28	0.00	1.00E+00	no
Lmod1	0.00	0.00	0.00	1.00E+00	no
Lmod2	0.00	0.00	0.00	1.00E+00	no
Lmx1a	0.00	0.00	0.00	1.00E+00	no
Lox	0.00	0.00	0.00	1.00E+00	no
Loxl4	0.00	0.00	0.00	1.00E+00	no
Lpar3	0.00	0.00	0.00	1.00E+00	no
Lpcat2b	0.00	0.00	0.00	1.00E+00	no
Lpin3	0.00	0.00	0.00	1.00E+00	no
Lrfn2	0.00	0.00	0.00	1.00E+00	no
Lrfn5	0.00	0.00	0.00	1.00E+00	no
Lrit1	0.00	0.00	0.00	1.00E+00	no
Lrit2	0.00	0.00	0.00	1.00E+00	no
Lrp1b	0.00	0.00	0.00	1.00E+00	no
Lrp3	0.00	0.00	0.00	1.00E+00	no
Lrrc10	0.00	0.00	0.00	1.00E+00	no
Lrrc17	0.00	0.00	0.00	1.00E+00	no
Lrrc26	0.00	0.00	0.00	1.00E+00	no
Lrrc30	0.00	0.00	0.00	1.00E+00	no
Lrrc36	0.00	0.00	0.00	1.00E+00	no

Lrrc3b	0.00	0.00	0.00	1.00E+00	no
Lrrc43	0.00	0.00	0.00	1.00E+00	no
Lrrc55	0.00	0.00	0.00	1.00E+00	no
Lrrc6	0.00	0.00	0.00	1.00E+00	no
Lrrc69	0.00	0.00	0.00	1.00E+00	no
Lrrc7	0.00	0.00	0.00	1.00E+00	no
Lrriq1	0.00	0.00	0.00	1.00E+00	no
Lrriq4	0.00	0.00	0.00	1.00E+00	no
Lrrn1	0.00	0.00	0.00	1.00E+00	no
Lrrtm3	0.00	0.00	0.00	1.00E+00	no
Lrrtm4	0.00	0.00	0.00	1.00E+00	no
Lrtm1	0.00	0.00	0.00	1.00E+00	no
Lsamp	0.00	0.00	0.00	1.00E+00	no
Lsr	0.52	0.00	0.00	1.00E+00	no
Ltbp1	0.00	0.00	0.00	1.00E+00	no
Luc7l2	87.45	75.93	0.00	1.00E+00	no
Lum	0.00	0.00	0.00	1.00E+00	no
Luzp2	0.00	0.00	0.00	1.00E+00	no
Luzp4	0.00	0.00	0.00	1.00E+00	no
Ly6e	240.52	306.22	0.00	1.00E+00	no
Ly6f	0.00	0.00	0.00	1.00E+00	no
Ly6g5c	0.00	0.00	0.00	1.00E+00	no
Ly6g6c	0.00	0.00	0.00	1.00E+00	no
Ly6g6d	0.00	0.00	0.00	1.00E+00	no
Ly6g6e	0.00	0.00	0.00	1.00E+00	no
Ly6g6f	0.00	0.00	0.00	1.00E+00	no
Ly6h	0.00	0.00	0.00	1.00E+00	no
Lyg1	0.00	0.00	0.00	1.00E+00	no
Lyg2	0.00	0.00	0.00	1.00E+00	no
Lypd1	0.00	0.00	0.00	1.00E+00	no
Lypd2	0.00	0.00	0.00	1.00E+00	no
Lypd4	0.00	0.00	0.00	1.00E+00	no
Lypd5	0.00	0.00	0.00	1.00E+00	no
Lypd6	0.00	0.00	0.00	1.00E+00	no
Lyve1	0.00	0.00	0.00	1.00E+00	no
Lyzl1	0.00	0.00	0.00	1.00E+00	no
Lyzl6	0.00	0.00	0.00	1.00E+00	no
MGC107098	0.00	0.00	0.00	1.00E+00	no
Madcam1	0.00	0.00	0.00	1.00E+00	no
Mael	0.00	0.00	0.00	1.00E+00	no
Magea1	0.00	0.00	0.00	1.00E+00	no
Magea10	0.00	0.00	0.00	1.00E+00	no

Magea2	0.00	0.00	0.00	1.00E+00	no
Magea3	0.00	0.00	0.00	1.00E+00	no
Magea4	0.00	0.00	0.00	1.00E+00	no
Magea5	0.00	0.00	0.00	1.00E+00	no
Magea6	0.00	0.00	0.00	1.00E+00	no
Magea8	0.00	0.00	0.00	1.00E+00	no
Mageb16	0.00	0.00	0.00	1.00E+00	no
Mageb16-ps1	0.00	0.00	0.00	1.00E+00	no
Mageb18	0.00	0.00	0.00	1.00E+00	no
Mageb4	0.00	0.00	0.00	1.00E+00	no
Mageb5	0.00	0.00	0.00	1.00E+00	no
Magix	0.00	0.00	0.00	1.00E+00	no
Mak	0.00	0.00	0.00	1.00E+00	no
Mal	0.00	0.00	0.00	1.00E+00	no
Mal2	0.00	0.00	0.00	1.00E+00	no
Mall	0.00	0.00	0.00	1.00E+00	no
Mamld1	0.00	0.00	0.00	1.00E+00	no
Maob	0.00	0.00	0.00	1.00E+00	no
Map3k12	1.12	1.23	0.00	1.00E+00	no
Mapk10	0.00	0.00	0.00	1.00E+00	no
Mapk8ip3	19.75	20.62	0.00	1.00E+00	no
Mapk9	18.90	0.00	0.00	1.00E+00	no
10-Mar	0.00	0.00	0.00	1.00E+00	no
Marveld3	0.00	0.00	0.00	1.00E+00	no
Masp1	0.00	0.00	0.00	1.00E+00	no
Mat1a	0.00	0.00	0.00	1.00E+00	no
Mb	0.00	0.00	0.00	1.00E+00	no
Mbd3l1	0.00	0.00	0.00	1.00E+00	no
Mbl1	0.00	0.00	0.00	1.00E+00	no
Mbl2	0.00	0.00	0.00	1.00E+00	no
Mboat2	0.00	0.00	0.00	1.00E+00	no
Mc3r	0.00	0.00	0.00	1.00E+00	no
Mc4r	0.00	0.00	0.00	1.00E+00	no
Mchr1	0.00	0.00	0.00	1.00E+00	no
Mcpt-ps1	0.00	0.00	0.00	1.00E+00	no
Mcpt1	0.00	0.00	0.00	1.00E+00	no
Mcpt2	0.00	0.00	0.00	1.00E+00	no
Mcpt4	0.00	0.00	0.00	1.00E+00	no
Mcpt9	0.00	0.00	0.00	1.00E+00	no
Mdga2	0.00	0.00	0.00	1.00E+00	no
Mdh1b	0.00	0.00	0.00	1.00E+00	no
Me1	0.00	0.00	0.00	1.00E+00	no

Med16	20.28	17.21	0.00	1.00E+00	no
Mef2b	0.00	0.00	0.00	1.00E+00	no
Mefv	0.00	0.00	0.00	1.00E+00	no
Meis2	0.00	0.00	0.00	1.00E+00	no
Meox2	0.00	0.00	0.00	1.00E+00	no
Mep1a	0.00	0.00	0.00	1.00E+00	no
Mep1b	0.00	0.00	0.00	1.00E+00	no
Mepe	0.00	0.00	0.00	1.00E+00	no
Mesp1	0.00	0.00	0.00	1.00E+00	no
Mettl11b	0.00	0.00	0.00	1.00E+00	no
Mettl7b	0.00	0.00	0.00	1.00E+00	no
Mfap3l	0.00	0.00	0.00	1.00E+00	no
Mfap4	0.00	0.00	0.00	1.00E+00	no
Mgat3	0.00	0.00	0.00	1.00E+00	no
Mgat4c	0.00	0.00	0.00	1.00E+00	no
Mia2	0.00	0.00	0.00	1.00E+00	no
Mia3	0.00	0.00	0.00	1.00E+00	no
Miat	0.00	0.00	0.00	1.00E+00	no
Mid2	0.00	0.00	0.00	1.00E+00	no
Mill1	0.00	0.00	0.00	1.00E+00	no
Mill2	0.00	0.00	0.00	1.00E+00	no
Mink1	12.80	17.76	0.00	1.00E+00	no
Mkx	0.00	0.00	0.00	1.00E+00	no
Mlana	0.00	0.00	0.00	1.00E+00	no
Mlc1	0.00	0.00	0.00	1.00E+00	no
Mlph	0.00	0.00	0.00	1.00E+00	no
Mmd2	0.00	0.00	0.00	1.00E+00	no
Mme	0.00	0.00	0.00	1.00E+00	no
Mmel1	0.00	0.00	0.00	1.00E+00	no
Mmp1a	0.00	0.00	0.00	1.00E+00	no
Mmp1b	0.00	0.00	0.00	1.00E+00	no
Mmp20	0.00	0.00	0.00	1.00E+00	no
Mmp24	0.00	0.00	0.00	1.00E+00	no
Mmp27	0.00	0.00	0.00	1.00E+00	no
Mmp28	0.00	0.00	0.00	1.00E+00	no
Mmp7	0.00	0.00	0.00	1.00E+00	no
Mmrn2	0.00	0.00	0.00	1.00E+00	no
Mnx1	0.00	0.00	0.00	1.00E+00	no
Mobp	0.00	0.00	0.00	1.00E+00	no
Morc4	0.00	0.00	0.00	1.00E+00	no
Morn5	0.00	0.00	0.00	1.00E+00	no
Mos	0.00	0.00	0.00	1.00E+00	no

Mospd4	0.00	0.00	0.00	1.00E+00	no
Mov10I1	0.00	0.00	0.00	1.00E+00	no
Moxd1	0.00	0.00	0.00	1.00E+00	no
Moxd2	0.00	0.00	0.00	1.00E+00	no
Mpl	0.00	0.00	0.00	1.00E+00	no
Mpped1	0.00	0.00	0.00	1.00E+00	no
Mpped2	0.00	0.00	0.00	1.00E+00	no
Mrap	0.00	0.00	0.00	1.00E+00	no
Mrap2	0.00	0.00	0.00	1.00E+00	no
Mrgpra1	0.00	0.00	0.00	1.00E+00	no
Mrgpra3	0.00	0.00	0.00	1.00E+00	no
Mrgpra4	0.00	0.00	0.00	1.00E+00	no
Mrgprb1	0.00	0.00	0.00	1.00E+00	no
Mrgprb2	0.00	0.00	0.00	1.00E+00	no
Mrgprb3	0.00	0.00	0.00	1.00E+00	no
Mrgprb4	0.00	0.00	0.00	1.00E+00	no
Mrgprb5	0.00	0.00	0.00	1.00E+00	no
Mrgprb8	0.00	0.00	0.00	1.00E+00	no
Mrgprd	0.00	0.00	0.00	1.00E+00	no
Mrgprf	0.00	0.00	0.00	1.00E+00	no
Mrgprg	0.00	0.00	0.00	1.00E+00	no
Mrgprh	0.00	0.00	0.00	1.00E+00	no
Mrgprx1	0.00	0.00	0.00	1.00E+00	no
Mrgprx2	0.00	0.00	0.00	1.00E+00	no
Mro	0.00	0.00	0.00	1.00E+00	no
Ms4a10	0.00	0.00	0.00	1.00E+00	no
Ms4a13	0.00	0.00	0.00	1.00E+00	no
Ms4a15	0.00	0.00	0.00	1.00E+00	no
Ms4a5	0.00	0.00	0.00	1.00E+00	no
Ms4a7	0.00	0.00	0.00	1.00E+00	no
Msc	0.00	0.00	0.00	1.00E+00	no
Msln	0.00	0.00	0.00	1.00E+00	no
Msemb	0.00	0.00	0.00	1.00E+00	no
Mstn	0.00	0.00	0.00	1.00E+00	no
Msx1as	0.00	0.00	0.00	1.00E+00	no
Msx2	0.00	0.00	0.00	1.00E+00	no
Msx3	0.00	0.00	0.00	1.00E+00	no
Mt3	0.00	0.00	0.00	1.00E+00	no
Mt4	0.00	0.00	0.00	1.00E+00	no
Mtag2	0.00	0.00	0.00	1.00E+00	no
Mtap6	0.00	0.00	0.00	1.00E+00	no
Mtnr1a	0.00	0.00	0.00	1.00E+00	no

Mtnr1b	0.00	0.00	0.00	1.00E+00	no
Muc15	0.00	0.00	0.00	1.00E+00	no
Muc19	0.00	0.00	0.00	1.00E+00	no
Muc20	0.00	0.00	0.00	1.00E+00	no
Muc5ac	0.00	0.00	0.00	1.00E+00	no
Muc11	0.00	0.00	0.00	1.00E+00	no
Mug-ps1	0.00	0.00	0.00	1.00E+00	no
Mug1	0.00	0.00	0.00	1.00E+00	no
Mug2	0.00	0.00	0.00	1.00E+00	no
Mup1	0.00	0.00	0.00	1.00E+00	no
Mup10	0.00	0.00	0.00	1.00E+00	no
Mup11,Mup2	0.00	0.00	0.00	1.00E+00	no
Mup12	0.00	0.00	0.00	1.00E+00	no
Mup13	0.00	0.00	0.00	1.00E+00	no
Mup14	0.00	0.00	0.00	1.00E+00	no
Mup15	0.00	0.00	0.00	1.00E+00	no
Mup17	0.00	0.00	0.00	1.00E+00	no
Mup19	0.00	0.00	0.00	1.00E+00	no
Mup2	0.00	0.00	0.00	1.00E+00	no
Mup21	0.00	0.00	0.00	1.00E+00	no
Mup3	0.00	0.00	0.00	1.00E+00	no
Mup4	0.00	0.00	0.00	1.00E+00	no
Mup5	0.00	0.00	0.00	1.00E+00	no
Mup6	0.00	0.00	0.00	1.00E+00	no
Mup7	0.00	0.00	0.00	1.00E+00	no
Mup8	0.00	0.00	0.00	1.00E+00	no
Mup9	0.00	0.00	0.00	1.00E+00	no
Murc	0.00	0.00	0.00	1.00E+00	no
Musk	0.00	0.00	0.00	1.00E+00	no
Mybphl	0.00	0.00	0.00	1.00E+00	no
Mycs	0.00	0.00	0.00	1.00E+00	no
Myf5	0.00	0.00	0.00	1.00E+00	no
Myf6	0.00	0.00	0.00	1.00E+00	no
Myh1	0.00	0.00	0.00	1.00E+00	no
Myh11	0.00	0.00	0.00	1.00E+00	no
Myh15	0.00	0.00	0.00	1.00E+00	no
Myh2	0.00	0.00	0.00	1.00E+00	no
Myh4	0.00	0.00	0.00	1.00E+00	no
Myh6	0.00	0.00	0.00	1.00E+00	no
Myh8	0.00	0.00	0.00	1.00E+00	no
Myl1	0.00	0.00	0.00	1.00E+00	no
Myl2	0.00	0.00	0.00	1.00E+00	no

Myl3	0.00	0.00	0.00	1.00E+00	no
Myl7	0.00	0.00	0.00	1.00E+00	no
Mylk2	0.00	0.00	0.00	1.00E+00	no
Myo16	0.00	0.00	0.00	1.00E+00	no
Myo1b	0.00	0.00	0.00	1.00E+00	no
Myo3a	0.00	0.00	0.00	1.00E+00	no
Myo7b	0.00	0.00	0.00	1.00E+00	no
Myoc	0.00	0.00	0.00	1.00E+00	no
Myocd	0.00	0.00	0.00	1.00E+00	no
Myod1	0.00	0.00	0.00	1.00E+00	no
Myog	0.00	0.00	0.00	1.00E+00	no
Myot	0.00	0.00	0.00	1.00E+00	no
Myoz1	0.00	0.00	0.00	1.00E+00	no
Myoz2	0.00	0.00	0.00	1.00E+00	no
Myrip	0.00	0.00	0.00	1.00E+00	no
Myt1	0.00	0.00	0.00	1.00E+00	no
Myt1l	0.00	0.00	0.00	1.00E+00	no
Nalcn	0.00	0.00	0.00	1.00E+00	no
Nanog	0.00	0.00	0.00	1.00E+00	no
Nanogpd	0.00	0.00	0.00	1.00E+00	no
Nanos2	0.00	0.00	0.00	1.00E+00	no
Nap1l2	0.00	0.00	0.00	1.00E+00	no
Nav3	0.00	0.00	0.00	1.00E+00	no
Ncald	0.00	0.00	0.00	1.00E+00	no
Ncam2	0.00	0.00	0.00	1.00E+00	no
Ncaph2	55.49	41.05	0.00	1.00E+00	no
Nccrp1	0.00	0.00	0.00	1.00E+00	no
Nctc1	0.00	0.00	0.00	1.00E+00	no
Ndrg2	0.00	0.00	0.00	1.00E+00	no
Ndrg4	0.00	0.00	0.00	1.00E+00	no
Ndst3	0.00	0.00	0.00	1.00E+00	no
Necab2	0.00	0.00	0.00	1.00E+00	no
Nefl	0.00	0.00	0.00	1.00E+00	no
Negr1	0.00	0.00	0.00	1.00E+00	no
Nell1	0.00	0.00	0.00	1.00E+00	no
Nell2	0.00	0.00	0.00	1.00E+00	no
Neo1	0.00	0.00	0.00	1.00E+00	no
Neto1	0.00	0.00	0.00	1.00E+00	no
Neu2	0.00	0.00	0.00	1.00E+00	no
Neu4	0.00	0.00	0.00	1.00E+00	no
Neurod1	0.00	0.00	0.00	1.00E+00	no
Neurod2	0.00	0.00	0.00	1.00E+00	no

Neurod6	0.00	0.00	0.00	1.00E+00	no
Neurog1	0.00	0.00	0.00	1.00E+00	no
Neurog2	0.00	0.00	0.00	1.00E+00	no
Nfasc	0.00	0.00	0.00	1.00E+00	no
Nfatc1	31.32	34.79	0.00	1.00E+00	no
Nfatc4	0.00	0.00	0.00	1.00E+00	no
Nfe2l1	20.01	22.83	0.00	1.00E+00	no
Nfib	0.00	0.00	0.00	1.00E+00	no
Ngef	0.00	0.00	0.00	1.00E+00	no
Ngf	0.00	0.00	0.00	1.00E+00	no
Nhlh2	0.00	0.00	0.00	1.00E+00	no
Ninj2	0.00	0.00	0.00	1.00E+00	no
Nipal2	0.00	0.00	0.00	1.00E+00	no
Nipsnap3a	0.00	0.00	0.00	1.00E+00	no
Nkain2	0.00	0.00	0.00	1.00E+00	no
Nkain3	0.00	0.00	0.00	1.00E+00	no
Nkain4	0.00	0.00	0.00	1.00E+00	no
Nkd1	0.29	0.00	0.00	1.00E+00	no
Nkx1-2	0.00	0.00	0.00	1.00E+00	no
Nkx2-1	0.00	0.00	0.00	1.00E+00	no
Nkx2-2	0.00	0.00	0.00	1.00E+00	no
Nkx2-2as	0.00	0.00	0.00	1.00E+00	no
Nkx2-3	0.00	0.00	0.00	1.00E+00	no
Nkx2-4	0.00	0.00	0.00	1.00E+00	no
Nkx2-5	0.00	0.00	0.00	1.00E+00	no
Nkx2-6	0.00	0.00	0.00	1.00E+00	no
Nkx2-9	0.00	0.00	0.00	1.00E+00	no
Nkx3-1	0.00	0.00	0.00	1.00E+00	no
Nkx3-2	0.00	0.00	0.00	1.00E+00	no
Nkx6-1	0.00	0.00	0.00	1.00E+00	no
Nkx6-3	0.00	0.00	0.00	1.00E+00	no
Nlgn1	0.00	0.00	0.00	1.00E+00	no
Nlrp14	0.00	0.00	0.00	1.00E+00	no
Nlrp4a	0.00	0.00	0.00	1.00E+00	no
Nlrp4b	0.00	0.00	0.00	1.00E+00	no
Nlrp4e	0.00	0.00	0.00	1.00E+00	no
Nlrp4f	0.00	0.00	0.00	1.00E+00	no
Nlrp4g	0.00	0.00	0.00	1.00E+00	no
Nlrp5	0.00	0.00	0.00	1.00E+00	no
Nlrp9a	0.00	0.00	0.00	1.00E+00	no
Nlrp9b	0.00	0.00	0.00	1.00E+00	no
Nlrp9c	0.00	0.00	0.00	1.00E+00	no

Nme3	16.19	14.62	0.00	1.00E+00	no
Nms	0.00	0.00	0.00	1.00E+00	no
Nmu	0.00	0.00	0.00	1.00E+00	no
Nmur2	0.00	0.00	0.00	1.00E+00	no
Nnmt	0.00	0.00	0.00	1.00E+00	no
Nol3	0.04	0.00	0.00	1.00E+00	no
Nol4	0.00	0.00	0.00	1.00E+00	no
Nolc1	40.66	31.95	0.00	1.00E+00	no
Nova1	0.00	0.00	0.00	1.00E+00	no
Nox3	0.00	0.00	0.00	1.00E+00	no
Nox4	0.00	0.00	0.00	1.00E+00	no
Noxa1	0.00	0.00	0.00	1.00E+00	no
Npas4	0.00	0.00	0.00	1.00E+00	no
Npbwr1	0.00	0.00	0.00	1.00E+00	no
Npffr1	0.00	0.00	0.00	1.00E+00	no
Npffr2	0.00	0.00	0.00	1.00E+00	no
Nphs1	0.00	0.00	0.00	1.00E+00	no
Nphs1as	0.00	0.00	0.00	1.00E+00	no
Npnt	0.00	0.00	0.00	1.00E+00	no
Nppb	0.00	0.00	0.00	1.00E+00	no
Nppc	0.00	0.00	0.00	1.00E+00	no
Npr3	0.00	0.00	0.00	1.00E+00	no
Nps	0.00	0.00	0.00	1.00E+00	no
Npsr1	0.00	0.00	0.00	1.00E+00	no
Nptx2	0.00	0.00	0.00	1.00E+00	no
Npvf	0.00	0.00	0.00	1.00E+00	no
Npy	0.00	0.00	0.00	1.00E+00	no
Npy1r	0.00	0.00	0.00	1.00E+00	no
Npy2r	0.00	0.00	0.00	1.00E+00	no
Npy5r	0.00	0.00	0.00	1.00E+00	no
Npy6r	0.00	0.00	0.00	1.00E+00	no
Nr0b1	0.00	0.00	0.00	1.00E+00	no
Nr0b2	0.00	0.00	0.00	1.00E+00	no
Nr1h4	0.00	0.00	0.00	1.00E+00	no
Nr1i2	0.00	0.00	0.00	1.00E+00	no
Nr2e1	0.00	0.00	0.00	1.00E+00	no
Nr2f1	0.00	0.00	0.00	1.00E+00	no
Nr2f2	0.00	0.00	0.00	1.00E+00	no
Nr5a1	0.00	0.00	0.00	1.00E+00	no
Nr5a2	0.00	0.00	0.00	1.00E+00	no
Nr6a1	0.00	0.00	0.00	1.00E+00	no
Nrap	0.00	0.00	0.00	1.00E+00	no

Nrcam	0.00	0.00	0.00	1.00E+00	no
Nrg3	0.00	0.00	0.00	1.00E+00	no
Nrk	0.00	0.00	0.00	1.00E+00	no
Nrl	0.00	0.00	0.00	1.00E+00	no
Nrp2	0.00	0.00	0.00	1.00E+00	no
Nrsn1	0.00	0.00	0.00	1.00E+00	no
Nrxn1	0.00	0.00	0.00	1.00E+00	no
Nrxn3	0.00	0.00	0.00	1.00E+00	no
Nt5c1a	0.00	0.00	0.00	1.00E+00	no
Nt5c1b	0.00	0.00	0.00	1.00E+00	no
Ntf3	0.00	0.00	0.00	1.00E+00	no
Ntm	0.00	0.00	0.00	1.00E+00	no
Ntng1	0.00	0.00	0.00	1.00E+00	no
Ntrk1	0.00	0.00	0.00	1.00E+00	no
Ntrk3	0.00	0.00	0.00	1.00E+00	no
Nts	0.00	0.00	0.00	1.00E+00	no
Ntsr1	0.00	0.00	0.00	1.00E+00	no
Ntsr2	0.00	0.00	0.00	1.00E+00	no
Nup62cl	0.00	0.00	0.00	1.00E+00	no
Nxf3	0.00	0.00	0.00	1.00E+00	no
Nxph1	0.00	0.00	0.00	1.00E+00	no
Nxph3	0.00	0.00	0.00	1.00E+00	no
ORF63	0.00	0.00	0.00	1.00E+00	no
Oas1b	9.79	11.21	0.00	1.00E+00	no
Obox1	0.00	0.00	0.00	1.00E+00	no
Obox2	0.00	0.00	0.00	1.00E+00	no
Obox3	0.00	0.00	0.00	1.00E+00	no
Obox5	0.00	0.00	0.00	1.00E+00	no
Obox6	0.00	0.00	0.00	1.00E+00	no
Obp1a	0.00	0.00	0.00	1.00E+00	no
Oca2	0.00	0.00	0.00	1.00E+00	no
Ocln	0.00	0.00	0.00	1.00E+00	no
Ocm	0.00	0.00	0.00	1.00E+00	no
Odam	0.00	0.00	0.00	1.00E+00	no
Odf1	0.00	0.00	0.00	1.00E+00	no
Odf3	0.00	0.00	0.00	1.00E+00	no
Odf3l1	0.00	0.00	0.00	1.00E+00	no
Odf3l2	0.00	0.00	0.00	1.00E+00	no
Odf4	0.00	0.00	0.00	1.00E+00	no
Odz1	0.00	0.00	0.00	1.00E+00	no
Odz2	0.00	0.00	0.00	1.00E+00	no
Odz3	0.00	0.00	0.00	1.00E+00	no

Ofcc1	0.00	0.00	0.00	1.00E+00	no
Oit1	0.00	0.00	0.00	1.00E+00	no
Olfm3	0.00	0.00	0.00	1.00E+00	no
Olig1	0.00	0.00	0.00	1.00E+00	no
Olig2	0.00	0.00	0.00	1.00E+00	no
Olig3	0.00	0.00	0.00	1.00E+00	no
Omt2a	0.00	0.00	0.00	1.00E+00	no
Omt2b	0.00	0.00	0.00	1.00E+00	no
Onecut1	0.00	0.00	0.00	1.00E+00	no
Onecut2	0.00	0.00	0.00	1.00E+00	no
Onecut3	0.00	0.00	0.00	1.00E+00	no
Oog1	0.00	0.00	0.00	1.00E+00	no
Oog2	0.00	0.00	0.00	1.00E+00	no
Oog3	0.00	0.00	0.00	1.00E+00	no
Oog4	0.00	0.00	0.00	1.00E+00	no
Opalin	0.00	0.00	0.00	1.00E+00	no
Opcml	0.00	0.00	0.00	1.00E+00	no
Opn1mw	0.00	0.00	0.00	1.00E+00	no
Opn4	0.00	0.00	0.00	1.00E+00	no
Opn5	0.00	0.00	0.00	1.00E+00	no
Oprd1	0.00	0.00	0.00	1.00E+00	no
Oprk1	0.00	0.00	0.00	1.00E+00	no
Optc	0.00	0.00	0.00	1.00E+00	no
Osmr	0.00	0.00	0.00	1.00E+00	no
Osr1	0.00	0.00	0.00	1.00E+00	no
Osr2	0.00	0.00	0.00	1.00E+00	no
Osta	0.00	0.00	0.00	1.00E+00	no
Ostb	0.00	0.00	0.00	1.00E+00	no
Ostn	0.00	0.00	0.00	1.00E+00	no
Otc	0.00	0.00	0.00	1.00E+00	no
Otoa	0.00	0.00	0.00	1.00E+00	no
Otof	0.00	0.00	0.00	1.00E+00	no
Otol1	0.00	0.00	0.00	1.00E+00	no
Otop1	0.00	0.00	0.00	1.00E+00	no
Otop2	0.00	0.00	0.00	1.00E+00	no
Otop3	0.00	0.00	0.00	1.00E+00	no
Otor	0.00	0.00	0.00	1.00E+00	no
Otp	0.00	0.00	0.00	1.00E+00	no
Ott	0.00	0.00	0.00	1.00E+00	no
Otud7a	0.00	0.00	0.00	1.00E+00	no
Otx1	0.00	0.00	0.00	1.00E+00	no
Otx2	0.00	0.00	0.00	1.00E+00	no

Otx2os1	0.00	0.00	0.00	1.00E+00	no
Ovch2	0.00	0.00	0.00	1.00E+00	no
Ovol2	0.00	0.00	0.00	1.00E+00	no
Oxct2b	0.00	0.00	0.00	1.00E+00	no
Oxgr1	0.00	0.00	0.00	1.00E+00	no
P2rx6	0.00	0.00	0.00	1.00E+00	no
P4ha2	0.00	0.00	0.00	1.00E+00	no
Pah	0.00	0.00	0.00	1.00E+00	no
Pak3	0.00	0.00	0.00	1.00E+00	no
Pak7	0.00	0.00	0.00	1.00E+00	no
Palmd	0.00	0.00	0.00	1.00E+00	no
Pamr1	0.00	0.00	0.00	1.00E+00	no
Panx2	0.00	0.00	0.00	1.00E+00	no
Pappa	0.00	0.00	0.00	1.00E+00	no
Pate	0.00	0.00	0.00	1.00E+00	no
Pate-dj	0.00	0.00	0.00	1.00E+00	no
Pate-e	0.00	0.00	0.00	1.00E+00	no
Pate-g	0.00	0.00	0.00	1.00E+00	no
Pate-n	0.00	0.00	0.00	1.00E+00	no
Pax1	0.00	0.00	0.00	1.00E+00	no
Pax2	0.00	0.00	0.00	1.00E+00	no
Pax3	0.00	0.00	0.00	1.00E+00	no
Pax4	0.00	0.00	0.00	1.00E+00	no
Pax6os1	0.00	0.00	0.00	1.00E+00	no
Pax9	0.00	0.00	0.00	1.00E+00	no
Pbp2	0.00	0.00	0.00	1.00E+00	no
Pbsn	0.00	0.00	0.00	1.00E+00	no
Pcbp2	109.59	84.87	0.00	1.00E+00	no
Pcdh10	0.00	0.00	0.00	1.00E+00	no
Pcdh15	0.00	0.00	0.00	1.00E+00	no
Pcdh18	0.00	0.00	0.00	1.00E+00	no
Pcdh19	0.00	0.00	0.00	1.00E+00	no
Pcdh20	0.00	0.00	0.00	1.00E+00	no
Pcdh8	0.00	0.00	0.00	1.00E+00	no
Pcdha1	0.00	0.00	0.00	1.00E+00	no
Pcdha11	0.00	0.00	0.00	1.00E+00	no
Pcdha12	0.00	0.00	0.00	1.00E+00	no
Pcdha2	0.00	0.00	0.00	1.00E+00	no
Pcdha3	0.00	0.00	0.00	1.00E+00	no
Pcdha4	0.00	0.00	0.00	1.00E+00	no
Pcdha4-g	0.00	0.00	0.00	1.00E+00	no
Pcdha5	0.00	0.00	0.00	1.00E+00	no

Pcdha7	0.01	0.00	0.00	1.00E+00	no
Pcdha8	0.00	0.00	0.00	1.00E+00	no
Pcdha9	0.00	0.00	0.00	1.00E+00	no
Pcdhac1	0.00	0.00	0.00	1.00E+00	no
Pcdhac2	0.00	0.00	0.00	1.00E+00	no
Pcdhb1	0.00	0.00	0.00	1.00E+00	no
Pcdhb10	0.00	0.00	0.00	1.00E+00	no
Pcdhb13	0.00	0.00	0.00	1.00E+00	no
Pcdhb14	0.01	0.00	0.00	1.00E+00	no
Pcdhb15	0.03	0.00	0.00	1.00E+00	no
Pcdhb2	0.00	0.00	0.00	1.00E+00	no
Pcdhb3	0.01	0.00	0.00	1.00E+00	no
Pcdhb4	0.02	0.00	0.00	1.00E+00	no
Pcdhb6	0.00	0.00	0.00	1.00E+00	no
Pcdhb8	0.00	0.00	0.00	1.00E+00	no
Pcdhb9	0.00	0.00	0.00	1.00E+00	no
Pclo	0.00	0.00	0.00	1.00E+00	no
Pcolce2	0.00	0.00	0.00	1.00E+00	no
Pcsk1	0.00	0.00	0.00	1.00E+00	no
Pcsk1n	0.00	0.00	0.00	1.00E+00	no
Pcsk2	0.00	0.00	0.00	1.00E+00	no
Pdc	0.00	0.00	0.00	1.00E+00	no
Pde1a	0.00	0.00	0.00	1.00E+00	no
Pde1c	0.00	0.00	0.00	1.00E+00	no
Pde6c	0.00	0.00	0.00	1.00E+00	no
Pdgfd	0.00	0.00	0.00	1.00E+00	no
Pdgfra	0.00	0.00	0.00	1.00E+00	no
Pdgfrb	0.00	0.00	0.00	1.00E+00	no
Pdgfrl	0.00	0.00	0.00	1.00E+00	no
Pdha2	0.00	0.00	0.00	1.00E+00	no
Pdilt	0.00	0.00	0.00	1.00E+00	no
Pdk4	0.00	0.00	0.00	1.00E+00	no
Pdpn	0.00	0.00	0.00	1.00E+00	no
Pdx1	0.00	0.00	0.00	1.00E+00	no
Pdyn	0.00	0.00	0.00	1.00E+00	no
Pdzk1ip1	0.00	0.00	0.00	1.00E+00	no
Pea15b	0.00	0.00	0.00	1.00E+00	no
Pex13	12.46	11.35	0.00	1.00E+00	no
Pex5l	0.00	0.00	0.00	1.00E+00	no
Pfn3	0.00	0.00	0.00	1.00E+00	no
Pfpl	0.00	0.00	0.00	1.00E+00	no
Pga5	0.00	0.00	0.00	1.00E+00	no

Pgk2	0.00	0.00	0.00	1.00E+00	no
Pglyrp3	0.00	0.00	0.00	1.00E+00	no
Pglyrp4	0.00	0.00	0.00	1.00E+00	no
Pgr15l	0.00	0.00	0.00	1.00E+00	no
Phactr1	0.00	0.00	0.00	1.00E+00	no
Phactr3	0.00	0.00	0.00	1.00E+00	no
Phc3	12.99	15.71	0.00	1.00E+00	no
Phgr1	0.00	0.00	0.00	1.00E+00	no
Phlda2	0.00	0.00	0.00	1.00E+00	no
Phox2a	0.00	0.00	0.00	1.00E+00	no
Phox2b	0.00	0.00	0.00	1.00E+00	no
Phyhipl	0.00	0.00	0.00	1.00E+00	no
Pi15	0.00	0.00	0.00	1.00E+00	no
Pias2	21.63	19.56	0.00	1.00E+00	no
Pik3c2g	0.00	0.00	0.00	1.00E+00	no
Pik3cd	72.36	161.82	0.00	1.00E+00	no
Pinc	0.00	0.00	0.00	1.00E+00	no
Pip	0.00	0.00	0.00	1.00E+00	no
Pira7	0.00	0.00	0.00	1.00E+00	no
Pisd-ps1	42.53	74.74	0.00	1.00E+00	no
Pisd-ps3	4.05	7.43	0.00	1.00E+00	no
Pitpnm3	0.00	0.00	0.00	1.00E+00	no
Pitx1	0.00	0.00	0.00	1.00E+00	no
Pitx3	0.00	0.00	0.00	1.00E+00	no
Piwil1	0.00	0.00	0.00	1.00E+00	no
Pkhd1	0.00	0.00	0.00	1.00E+00	no
Pklr	0.32	0.00	0.00	1.00E+00	no
Pknox2	0.00	0.00	0.00	1.00E+00	no
Pkp1	0.00	0.00	0.00	1.00E+00	no
Pla2g12b	0.00	0.00	0.00	1.00E+00	no
Pla2g1b	0.00	0.00	0.00	1.00E+00	no
Pla2g2a	0.00	0.00	0.00	1.00E+00	no
Pla2g2c	0.00	0.00	0.00	1.00E+00	no
Pla2g2e	0.00	0.00	0.00	1.00E+00	no
Pla2g2f	0.00	0.00	0.00	1.00E+00	no
Pla2g4e	0.00	0.00	0.00	1.00E+00	no
Pla2g5	0.00	0.00	0.00	1.00E+00	no
Plac1l	0.00	0.00	0.00	1.00E+00	no
Plac8l1	0.00	0.00	0.00	1.00E+00	no
Plac9	0.00	0.00	0.00	1.00E+00	no
Plat	0.00	0.00	0.00	1.00E+00	no
Plcb1	0.00	0.00	0.00	1.00E+00	no

Plch1	0.00	0.00	0.00	1.00E+00	no
Plch2	0.00	0.00	0.00	1.00E+00	no
Plcxd3	0.00	0.00	0.00	1.00E+00	no
Plcz1	0.00	0.00	0.00	1.00E+00	no
Pld1	0.00	0.00	0.00	1.00E+00	no
Pld5	0.00	0.00	0.00	1.00E+00	no
Pldi	0.00	0.00	0.00	1.00E+00	no
Plekhh1	0.00	0.00	0.00	1.00E+00	no
Plekhh2	0.00	0.00	0.00	1.00E+00	no
Plg	0.00	0.00	0.00	1.00E+00	no
Plin1	0.00	0.00	0.00	1.00E+00	no
Plin5	0.00	0.00	0.00	1.00E+00	no
Plk5	0.00	0.00	0.00	1.00E+00	no
Plscr2	0.00	0.00	0.00	1.00E+00	no
Plunc	0.00	0.00	0.00	1.00E+00	no
Pmfbp1	0.00	0.00	0.00	1.00E+00	no
Pmp2	0.00	0.00	0.00	1.00E+00	no
Pmp22	0.00	0.00	0.00	1.00E+00	no
Pnlip	0.00	0.00	0.00	1.00E+00	no
Pnliprp1	0.00	0.00	0.00	1.00E+00	no
Pnliprp2	0.00	0.00	0.00	1.00E+00	no
Pnma2	0.00	0.00	0.00	1.00E+00	no
Pnma5	0.00	0.00	0.00	1.00E+00	no
Pnmt	0.00	0.00	0.00	1.00E+00	no
Pnoc	0.00	0.00	0.00	1.00E+00	no
Pnpla5	0.00	0.00	0.00	1.00E+00	no
Podn	0.00	0.00	0.00	1.00E+00	no
Pof1b	0.00	0.00	0.00	1.00E+00	no
Pom121l12	0.00	0.00	0.00	1.00E+00	no
Pon1	0.00	0.00	0.00	1.00E+00	no
Popdc2	0.00	0.00	0.00	1.00E+00	no
Porcn	0.00	0.00	0.00	1.00E+00	no
Postn	0.00	0.00	0.00	1.00E+00	no
Poteg	0.00	0.00	0.00	1.00E+00	no
Pou2f1	21.33	14.98	0.00	1.00E+00	no
Pou2f3	0.00	0.00	0.00	1.00E+00	no
Pou3f1	0.00	0.00	0.00	1.00E+00	no
Pou3f2	0.00	0.00	0.00	1.00E+00	no
Pou3f3	0.00	0.00	0.00	1.00E+00	no
Pou3f4	0.00	0.00	0.00	1.00E+00	no
Pou4f2	0.00	0.00	0.00	1.00E+00	no
Pou4f3	0.00	0.00	0.00	1.00E+00	no

Pou6f2	0.00	0.00	0.00	1.00E+00	no
Ppapdc1a	0.00	0.00	0.00	1.00E+00	no
Ppara	0.00	0.00	0.00	1.00E+00	no
Ppfia2	0.00	0.00	0.00	1.00E+00	no
Ppp1r14d	0.00	0.00	0.00	1.00E+00	no
Ppp1r1c	0.00	0.00	0.00	1.00E+00	no
Ppp1r3a	0.00	0.00	0.00	1.00E+00	no
Ppp1r3c	0.00	0.00	0.00	1.00E+00	no
Ppp1r3g	0.00	0.00	0.00	1.00E+00	no
Ppp2r2b	0.00	0.00	0.00	1.00E+00	no
Ppp2r3d	0.00	0.00	0.00	1.00E+00	no
Ppp3r2	0.00	0.00	0.00	1.00E+00	no
Ppy	0.00	0.00	0.00	1.00E+00	no
Ppyr1	0.00	0.00	0.00	1.00E+00	no
Prame	0.00	0.00	0.00	1.00E+00	no
Pramef17	0.00	0.00	0.00	1.00E+00	no
Pramef6	0.00	0.00	0.00	1.00E+00	no
Pramel1	0.00	0.00	0.00	1.00E+00	no
Pramel4	0.00	0.00	0.00	1.00E+00	no
Pramel6	0.00	0.00	0.00	1.00E+00	no
Pramel7	0.00	0.00	0.00	1.00E+00	no
Prap1	0.00	0.00	0.00	1.00E+00	no
Prdm12	0.00	0.00	0.00	1.00E+00	no
Prdm13	0.00	0.00	0.00	1.00E+00	no
Prdm6	0.00	0.00	0.00	1.00E+00	no
Prelp	0.00	0.00	0.00	1.00E+00	no
Prh1	0.00	0.00	0.00	1.00E+00	no
Prhoxnb	0.00	0.00	0.00	1.00E+00	no
Prickle2	0.00	0.00	0.00	1.00E+00	no
Prima1	0.00	0.00	0.00	1.00E+00	no
Prkcdbp	0.00	0.00	0.00	1.00E+00	no
Prkd1	0.00	0.00	0.00	1.00E+00	no
Prl	0.00	0.00	0.00	1.00E+00	no
Prl2a1	0.00	0.00	0.00	1.00E+00	no
Prl2b1	0.00	0.00	0.00	1.00E+00	no
Prl2c1	0.00	0.00	0.00	1.00E+00	no
Prl2c3,Prl2c4	0.00	0.00	0.00	1.00E+00	no
Prl2c4	0.00	0.00	0.00	1.00E+00	no
Prl2c5	0.00	0.00	0.00	1.00E+00	no
Prl3a1	0.00	0.00	0.00	1.00E+00	no
Prl3b1	0.00	0.00	0.00	1.00E+00	no
Prl3c1	0.00	0.00	0.00	1.00E+00	no

Prl3d1	0.00	0.00	0.00	1.00E+00	no
Prl3d2	0.00	0.00	0.00	1.00E+00	no
Prl3d3	0.00	0.00	0.00	1.00E+00	no
Prl4a1	0.00	0.00	0.00	1.00E+00	no
Prl5a1	0.00	0.00	0.00	1.00E+00	no
Prl6a1	0.00	0.00	0.00	1.00E+00	no
Prl7a1	0.00	0.00	0.00	1.00E+00	no
Prl7a2	0.00	0.00	0.00	1.00E+00	no
Prl7b1	0.00	0.00	0.00	1.00E+00	no
Prl7c1	0.00	0.00	0.00	1.00E+00	no
Prl7d1	0.00	0.00	0.00	1.00E+00	no
Prl8a1	0.00	0.00	0.00	1.00E+00	no
Prl8a2	0.00	0.00	0.00	1.00E+00	no
Prl8a6	0.00	0.00	0.00	1.00E+00	no
Prl8a8	0.00	0.00	0.00	1.00E+00	no
Prl8a9	0.00	0.00	0.00	1.00E+00	no
Prlh	0.00	0.00	0.00	1.00E+00	no
Prlhr	0.00	0.00	0.00	1.00E+00	no
Prm2	0.00	0.00	0.00	1.00E+00	no
Prm3	0.00	0.00	0.00	1.00E+00	no
Prmt2	1.62	3.82	0.00	1.00E+00	no
Proc	0.00	0.00	0.00	1.00E+00	no
Prodh2	0.00	0.00	0.00	1.00E+00	no
Prok2	0.00	0.00	0.00	1.00E+00	no
Prol1	0.00	0.00	0.00	1.00E+00	no
Prom2	0.00	0.00	0.00	1.00E+00	no
Prop1	0.00	0.00	0.00	1.00E+00	no
Prp2	0.00	0.00	0.00	1.00E+00	no
Prph	0.00	0.00	0.00	1.00E+00	no
Prph2	0.00	0.00	0.00	1.00E+00	no
Prpmp5	0.00	0.00	0.00	1.00E+00	no
Prr16	0.00	0.00	0.00	1.00E+00	no
Prr23a	0.00	0.00	0.00	1.00E+00	no
Prr9	0.00	0.00	0.00	1.00E+00	no
Prrg1	0.00	0.00	0.00	1.00E+00	no
Prrg3	0.00	0.00	0.00	1.00E+00	no
Prrx1	0.00	0.00	0.00	1.00E+00	no
Prrx2	0.00	0.00	0.00	1.00E+00	no
Prrxl1	0.00	0.00	0.00	1.00E+00	no
Prss1	0.00	0.00	0.00	1.00E+00	no
Prss2	0.00	0.00	0.00	1.00E+00	no
Prss21	0.00	0.00	0.00	1.00E+00	no

Prss22	0.00	0.00	0.00	1.00E+00	no
Prss28	0.00	0.00	0.00	1.00E+00	no
Prss29	0.00	0.00	0.00	1.00E+00	no
Prss3	0.00	0.00	0.00	1.00E+00	no
Prss32	0.00	0.00	0.00	1.00E+00	no
Prss33	0.00	0.00	0.00	1.00E+00	no
Prss35	0.00	0.00	0.00	1.00E+00	no
Prss37	0.00	0.00	0.00	1.00E+00	no
Prss38	0.00	0.00	0.00	1.00E+00	no
Prss40	0.00	0.00	0.00	1.00E+00	no
Prss41	0.00	0.00	0.00	1.00E+00	no
Prss42	0.00	0.00	0.00	1.00E+00	no
Prss43	0.00	0.00	0.00	1.00E+00	no
Prss46	0.00	0.00	0.00	1.00E+00	no
Prss48	0.00	0.00	0.00	1.00E+00	no
Prss51	0.00	0.00	0.00	1.00E+00	no
Prss54	0.00	0.00	0.00	1.00E+00	no
Prss55	0.00	0.00	0.00	1.00E+00	no
Psap	147.92	206.49	0.00	1.00E+00	no
Psg-ps1	0.00	0.00	0.00	1.00E+00	no
Psg16	0.00	0.00	0.00	1.00E+00	no
Psg18	0.00	0.00	0.00	1.00E+00	no
Psg20	0.00	0.00	0.00	1.00E+00	no
Psg21	0.00	0.00	0.00	1.00E+00	no
Psg22	0.00	0.00	0.00	1.00E+00	no
Psg23	0.00	0.00	0.00	1.00E+00	no
Psg25	0.00	0.00	0.00	1.00E+00	no
Psg26	0.00	0.00	0.00	1.00E+00	no
Psg27	0.00	0.00	0.00	1.00E+00	no
Psg28	0.00	0.00	0.00	1.00E+00	no
Psg29	0.00	0.00	0.00	1.00E+00	no
Psp	0.00	0.00	0.00	1.00E+00	no
Ptchd1	0.00	0.00	0.00	1.00E+00	no
Ptchd2	0.00	0.00	0.00	1.00E+00	no
Ptcra	0.00	0.00	0.00	1.00E+00	no
Ptf1a	0.00	0.00	0.00	1.00E+00	no
Ptges	0.00	0.00	0.00	1.00E+00	no
Ptgr	0.00	0.00	0.00	1.00E+00	no
Pth	0.00	0.00	0.00	1.00E+00	no
Pth1r	0.00	0.00	0.00	1.00E+00	no
Pth2	0.00	0.00	0.00	1.00E+00	no
Pthlh	0.00	0.00	0.00	1.00E+00	no

Ptn	0.00	0.00	0.00	1.00E+00	no
Ptpn13	0.00	0.00	0.00	1.00E+00	no
Ptpn20	0.00	0.00	0.00	1.00E+00	no
Ptpn5	0.05	0.00	0.00	1.00E+00	no
Ptprb	0.00	0.00	0.00	1.00E+00	no
Ptprd	0.00	0.00	0.00	1.00E+00	no
Ptprg	0.00	0.00	0.00	1.00E+00	no
Ptprh	0.00	0.00	0.00	1.00E+00	no
Ptpro	0.26	0.00	0.00	1.00E+00	no
Ptprq	0.00	0.00	0.00	1.00E+00	no
Ptprr	0.00	0.00	0.00	1.00E+00	no
Ptprt	0.00	0.00	0.00	1.00E+00	no
Ptpru	0.00	0.00	0.00	1.00E+00	no
Ptprz1	0.00	0.00	0.00	1.00E+00	no
Ptx3	0.00	0.00	0.00	1.00E+00	no
Ptx4	0.00	0.00	0.00	1.00E+00	no
Pum1	31.34	30.73	0.00	1.00E+00	no
Pum2	87.50	71.72	0.00	1.00E+00	no
Pus10	16.14	14.93	0.00	1.00E+00	no
Pvalb	0.00	0.00	0.00	1.00E+00	no
Pvrl4	0.00	0.00	0.00	1.00E+00	no
Pygo1	0.00	0.00	0.00	1.00E+00	no
Pyy	0.00	0.00	0.00	1.00E+00	no
Qrfpr	0.00	0.00	0.00	1.00E+00	no
Qrich2	0.00	0.00	0.00	1.00E+00	no
R3hdml	0.00	0.00	0.00	1.00E+00	no
Rab17	0.00	0.00	0.00	1.00E+00	no
Rab20	0.00	0.00	0.00	1.00E+00	no
Rab27b	0.00	0.00	0.00	1.00E+00	no
Rab34	0.00	0.00	0.00	1.00E+00	no
Rab9b	0.00	0.00	0.00	1.00E+00	no
Rabggtb	30.54	20.73	0.00	1.00E+00	no
Rad51ap2	0.00	0.00	0.00	1.00E+00	no
Radil	0.00	0.00	0.00	1.00E+00	no
Raet1b	0.00	0.00	0.00	1.00E+00	no
Raet1c	0.00	0.00	0.00	1.00E+00	no
Rai2	0.00	0.00	0.00	1.00E+00	no
Ralgapa1	16.17	15.75	0.00	1.00E+00	no
Ralyl	0.00	0.00	0.00	1.00E+00	no
Rasef	0.00	0.00	0.00	1.00E+00	no
Rasgef1b	0.00	0.00	0.00	1.00E+00	no
Rassf10	0.00	0.00	0.00	1.00E+00	no

Rassf9	0.00	0.00	0.00	1.00E+00	no
Rax	0.00	0.00	0.00	1.00E+00	no
Rbfox1	0.00	0.00	0.00	1.00E+00	no
Rbfox2	0.00	0.00	0.00	1.00E+00	no
Rbm31y	0.00	0.00	0.00	1.00E+00	no
Rbm46	0.00	0.00	0.00	1.00E+00	no
Rbms3	0.00	0.00	0.00	1.00E+00	no
Rbmxl2	0.00	0.00	0.00	1.00E+00	no
Rbmy1a1	0.00	0.00	0.00	1.00E+00	no
Rbp4	0.00	0.00	0.00	1.00E+00	no
Rcvrn	0.00	0.00	0.00	1.00E+00	no
Rd3	0.00	0.00	0.00	1.00E+00	no
Rdh19	0.00	0.00	0.00	1.00E+00	no
Rdh7	0.00	0.00	0.00	1.00E+00	no
Reg1	0.00	0.00	0.00	1.00E+00	no
Reg2	0.00	0.00	0.00	1.00E+00	no
Reg3a	0.00	0.00	0.00	1.00E+00	no
Reg3b	0.00	0.00	0.00	1.00E+00	no
Reg3d	0.00	0.00	0.00	1.00E+00	no
Reg3g	0.00	0.00	0.00	1.00E+00	no
Reg4	0.00	0.00	0.00	1.00E+00	no
Ren2	0.24	0.00	0.00	1.00E+00	no
Repin1	14.99	26.96	0.00	1.00E+00	no
Rerg	0.00	0.00	0.00	1.00E+00	no
Rergl	0.00	0.00	0.00	1.00E+00	no
Resp18	0.00	0.00	0.00	1.00E+00	no
Retnla	0.00	0.00	0.00	1.00E+00	no
Rfpl4b	0.00	0.00	0.00	1.00E+00	no
Rfx4	0.00	0.00	0.00	1.00E+00	no
Rfx6	0.00	0.00	0.00	1.00E+00	no
Rgn	0.00	0.00	0.00	1.00E+00	no
Rgs17	0.00	0.00	0.00	1.00E+00	no
Rgs20	0.00	0.00	0.00	1.00E+00	no
Rgs4	0.00	0.00	0.00	1.00E+00	no
Rgs5	0.00	0.00	0.00	1.00E+00	no
Rgs6	0.00	0.00	0.00	1.00E+00	no
Rgs7	0.00	0.00	0.00	1.00E+00	no
Rhbdl2	0.00	0.00	0.00	1.00E+00	no
Rhbg	0.00	0.00	0.00	1.00E+00	no
Rhox1	0.00	0.00	0.00	1.00E+00	no
Rhox10	0.00	0.00	0.00	1.00E+00	no
Rhox11	0.00	0.00	0.00	1.00E+00	no

Rhox12	0.00	0.00	0.00	1.00E+00	no
Rhox13	0.00	0.00	0.00	1.00E+00	no
Rhox2a	0.00	0.00	0.00	1.00E+00	no
Rhox2b	0.00	0.00	0.00	1.00E+00	no
Rhox2c	0.00	0.00	0.00	1.00E+00	no
Rhox2d	0.00	0.00	0.00	1.00E+00	no
Rhox2e	0.00	0.00	0.00	1.00E+00	no
Rhox2f	0.00	0.00	0.00	1.00E+00	no
Rhox2g	0.00	0.00	0.00	1.00E+00	no
Rhox2h	0.00	0.00	0.00	1.00E+00	no
Rhox3-ps	0.00	0.00	0.00	1.00E+00	no
Rhox3a,Rhox3	0.00	0.00	0.00	1.00E+00	no
Rhox3b	0.00	0.00	0.00	1.00E+00	no
Rhox3c	0.00	0.00	0.00	1.00E+00	no
Rhox3e	0.00	0.00	0.00	1.00E+00	no
Rhox3f	0.00	0.00	0.00	1.00E+00	no
Rhox3g-ps	0.00	0.00	0.00	1.00E+00	no
Rhox3h	0.00	0.00	0.00	1.00E+00	no
Rhox4a	0.00	0.00	0.00	1.00E+00	no
Rhox4b	0.00	0.00	0.00	1.00E+00	no
Rhox4c	0.00	0.00	0.00	1.00E+00	no
Rhox4d	0.00	0.00	0.00	1.00E+00	no
Rhox4e	0.00	0.00	0.00	1.00E+00	no
Rhox4f	0.00	0.00	0.00	1.00E+00	no
Rhox4g	0.00	0.00	0.00	1.00E+00	no
Rhox6	0.00	0.00	0.00	1.00E+00	no
Rhox7	0.00	0.00	0.00	1.00E+00	no
Rhox8	0.00	0.00	0.00	1.00E+00	no
Rhox9	0.00	0.00	0.00	1.00E+00	no
Rhpn1	0.00	0.00	0.00	1.00E+00	no
Rian	0.00	0.00	0.00	1.00E+00	no
Rimbp2	0.00	0.00	0.00	1.00E+00	no
Rimklb	0.00	0.00	0.00	1.00E+00	no
Rims1	0.00	0.00	0.00	1.00E+00	no
Rims2	0.00	0.00	0.00	1.00E+00	no
Rims4	0.00	0.00	0.00	1.00E+00	no
Ripply1	0.00	0.00	0.00	1.00E+00	no
Ripply2	0.00	0.00	0.00	1.00E+00	no
Rit2	0.00	0.00	0.00	1.00E+00	no
Rlbp1	0.00	0.00	0.00	1.00E+00	no
Rmst	0.00	0.00	0.00	1.00E+00	no
Rn4.5s	0.00	0.00	0.00	1.00E+00	no

Rnase13	0.00	0.00	0.00	1.00E+00	no
Rnf112	0.00	0.00	0.00	1.00E+00	no
Rnf133	0.00	0.00	0.00	1.00E+00	no
Rnf148	0.00	0.00	0.00	1.00E+00	no
Rnf152	0.00	0.00	0.00	1.00E+00	no
Rnf165	0.00	0.00	0.00	1.00E+00	no
Rnf183	0.00	0.00	0.00	1.00E+00	no
Rnf222	0.00	0.00	0.00	1.00E+00	no
Rnu1b2	0.00	0.00	0.00	1.00E+00	no
Robo2	0.00	0.00	0.00	1.00E+00	no
Ropn1	0.00	0.00	0.00	1.00E+00	no
Ror1	0.00	0.00	0.00	1.00E+00	no
Ror2	0.00	0.00	0.00	1.00E+00	no
Rorb	0.00	0.00	0.00	1.00E+00	no
Ros1	0.00	0.00	0.00	1.00E+00	no
Rp1	0.00	0.00	0.00	1.00E+00	no
Rpe65	0.00	0.00	0.00	1.00E+00	no
Rph3a	0.00	0.00	0.00	1.00E+00	no
Rpl10l	0.00	0.00	0.00	1.00E+00	no
Rpl34-ps1	0.00	0.00	0.00	1.00E+00	no
Rprl2	0.00	0.00	0.00	1.00E+00	no
Rprl3	0.00	0.00	0.00	1.00E+00	no
Rprm	0.00	0.00	0.00	1.00E+00	no
Rprml	0.00	0.00	0.00	1.00E+00	no
Rptn	0.00	0.00	0.00	1.00E+00	no
Rs1	0.00	0.00	0.00	1.00E+00	no
Rspo2	0.00	0.00	0.00	1.00E+00	no
Rtdr1	0.00	0.00	0.00	1.00E+00	no
Rtel1	18.65	15.17	0.00	1.00E+00	no
Rtl1	0.00	0.00	0.00	1.00E+00	no
Rtn2	0.00	0.00	0.00	1.00E+00	no
Rtp1	0.00	0.00	0.00	1.00E+00	no
Rtp2	0.00	0.00	0.00	1.00E+00	no
Runx1	36.46	42.11	0.00	1.00E+00	no
Runx1t1	0.00	0.00	0.00	1.00E+00	no
Rxfp2	0.00	0.00	0.00	1.00E+00	no
Ryk	0.00	0.00	0.00	1.00E+00	no
S100a2	0.00	0.00	0.00	1.00E+00	no
S100a5	0.00	0.00	0.00	1.00E+00	no
S100a7a	0.00	0.00	0.00	1.00E+00	no
S100b	0.00	0.00	0.00	1.00E+00	no
S100g	0.00	0.00	0.00	1.00E+00	no

S100z	0.00	0.00	0.00	1.00E+00	no
Saa1	0.00	0.00	0.00	1.00E+00	no
Saa2	0.00	0.00	0.00	1.00E+00	no
Saa4	0.00	0.00	0.00	1.00E+00	no
Sall1	0.00	0.00	0.00	1.00E+00	no
Sall3	0.00	0.00	0.00	1.00E+00	no
Sall4	0.00	0.00	0.00	1.00E+00	no
Samd7	0.00	0.00	0.00	1.00E+00	no
Sarm1	0.00	0.00	0.00	1.00E+00	no
Sbp	0.00	0.00	0.00	1.00E+00	no
Sbpl	0.00	0.00	0.00	1.00E+00	no
Scara3	0.00	0.00	0.00	1.00E+00	no
Scarna10	0.00	0.00	0.00	1.00E+00	no
Scarna2	0.00	0.00	0.00	1.00E+00	no
Scarna3b	0.00	0.00	0.00	1.00E+00	no
Scarna8	0.00	0.00	0.00	1.00E+00	no
Scarna9	0.00	0.00	0.00	1.00E+00	no
Scg3	0.00	0.00	0.00	1.00E+00	no
Scgb1a1	0.00	0.00	0.00	1.00E+00	no
Scgb3a2	0.00	0.00	0.00	1.00E+00	no
Schip1	0.00	0.00	0.00	1.00E+00	no
Scn10a	0.00	0.00	0.00	1.00E+00	no
Scn3b	0.00	0.00	0.00	1.00E+00	no
Scn7a	0.00	0.00	0.00	1.00E+00	no
Scnn1b	0.00	0.00	0.00	1.00E+00	no
Scnn1g	0.00	0.00	0.00	1.00E+00	no
Sco2	2.01	2.41	0.00	1.00E+00	no
Scpppq1	0.00	0.00	0.00	1.00E+00	no
Scrt1	0.00	0.00	0.00	1.00E+00	no
Sct	0.00	0.00	0.00	1.00E+00	no
Sctr	0.00	0.00	0.00	1.00E+00	no
Scube2	0.00	0.00	0.00	1.00E+00	no
Sdr16c5	0.00	0.00	0.00	1.00E+00	no
Sdr16c6	0.00	0.00	0.00	1.00E+00	no
Sdr9c7	0.00	0.00	0.00	1.00E+00	no
Sebox	0.00	0.00	0.00	1.00E+00	no
Sec14l3	0.00	0.00	0.00	1.00E+00	no
Sec14l4	0.00	0.00	0.00	1.00E+00	no
Sectm1a	0.00	0.00	0.00	1.00E+00	no
Sel1l2	0.00	0.00	0.00	1.00E+00	no
Sema3b	0.00	0.00	0.00	1.00E+00	no
Sema3c	0.00	0.00	0.00	1.00E+00	no

Sema3e	0.00	0.00	0.00	1.00E+00	no
Sema5b	0.00	0.00	0.00	1.00E+00	no
Sema6d	0.00	0.00	0.00	1.00E+00	no
Serp7	12.12	15.35	0.00	1.00E+00	no
14-Sep	0.00	0.00	0.00	1.00E+00	no
Serbp1	68.71	55.72	0.00	1.00E+00	no
Serinc2	0.00	0.00	0.00	1.00E+00	no
Serpina10	0.00	0.00	0.00	1.00E+00	no
Serpina11	0.00	0.00	0.00	1.00E+00	no
Serpina12	0.00	0.00	0.00	1.00E+00	no
Serpina1b	0.00	0.00	0.00	1.00E+00	no
Serpina1d	0.00	0.00	0.00	1.00E+00	no
Serpina1e	0.00	0.00	0.00	1.00E+00	no
Serpina1f	0.00	0.00	0.00	1.00E+00	no
Serpina3a	0.00	0.00	0.00	1.00E+00	no
Serpina3b	0.00	0.00	0.00	1.00E+00	no
Serpina4-ps1	0.00	0.00	0.00	1.00E+00	no
Serpina5	0.00	0.00	0.00	1.00E+00	no
Serpina6	0.00	0.00	0.00	1.00E+00	no
Serpina7	0.00	0.00	0.00	1.00E+00	no
Serpina9	0.00	0.00	0.00	1.00E+00	no
Serpinb11	0.00	0.00	0.00	1.00E+00	no
Serpinb12	0.00	0.00	0.00	1.00E+00	no
Serpinb13	0.00	0.00	0.00	1.00E+00	no
Serpinb2	0.00	0.00	0.00	1.00E+00	no
Serpinb3a	0.00	0.00	0.00	1.00E+00	no
Serpinb3b	0.00	0.00	0.00	1.00E+00	no
Serpinb3c	0.00	0.00	0.00	1.00E+00	no
Serpinb3d	0.00	0.00	0.00	1.00E+00	no
Serpinb5	0.00	0.00	0.00	1.00E+00	no
Serpinb6d	0.00	0.00	0.00	1.00E+00	no
Serpinb6e	0.00	0.00	0.00	1.00E+00	no
Serpinb8	0.00	0.00	0.00	1.00E+00	no
Serpinb9c	0.00	0.00	0.00	1.00E+00	no
Serpinb9d	0.00	0.00	0.00	1.00E+00	no
Serpinb9e	0.00	0.00	0.00	1.00E+00	no
Serpinb9f	0.00	0.00	0.00	1.00E+00	no
Serpinb9g	0.00	0.00	0.00	1.00E+00	no
Serpine1	0.00	0.00	0.00	1.00E+00	no
Serping1	0.00	0.00	0.00	1.00E+00	no
Serpini2	0.00	0.00	0.00	1.00E+00	no
Sez6	0.00	0.00	0.00	1.00E+00	no

Sfi1	12.01	12.41	0.00	1.00E+00	no
Sfrp1	0.00	0.00	0.00	1.00E+00	no
Sfta2	0.00	0.00	0.00	1.00E+00	no
Sftpa1	0.00	0.00	0.00	1.00E+00	no
Sftpc	0.00	0.00	0.00	1.00E+00	no
Sftpd	0.00	0.00	0.00	1.00E+00	no
Sgcd	0.00	0.00	0.00	1.00E+00	no
Sgcg	0.00	0.00	0.00	1.00E+00	no
Sgcz	0.00	0.00	0.00	1.00E+00	no
Sh2d1a	0.00	0.00	0.00	1.00E+00	no
Sh2d7	0.00	0.00	0.00	1.00E+00	no
Sh3gl2	0.00	0.00	0.00	1.00E+00	no
Sh3rf2	0.00	0.00	0.00	1.00E+00	no
Sh3rf3	0.00	0.00	0.00	1.00E+00	no
Shbg	0.00	0.00	0.00	1.00E+00	no
Shc2	0.00	0.00	0.00	1.00E+00	no
Shc3	0.00	0.00	0.00	1.00E+00	no
Shd	0.00	0.00	0.00	1.00E+00	no
Shh	0.00	0.00	0.00	1.00E+00	no
Shisa6	0.00	0.00	0.00	1.00E+00	no
Shisa9	0.00	0.00	0.00	1.00E+00	no
Shox2	0.00	0.00	0.00	1.00E+00	no
Shroom1	0.00	0.00	0.00	1.00E+00	no
Shroom2	0.00	0.00	0.00	1.00E+00	no
Shroom3	0.72	0.00	0.00	1.00E+00	no
Siah3	0.00	0.00	0.00	1.00E+00	no
Sidt1	0.00	0.00	0.00	1.00E+00	no
Sim2	0.00	0.00	0.00	1.00E+00	no
Sipa1	81.41	90.28	0.00	1.00E+00	no
Sis	0.00	0.00	0.00	1.00E+00	no
Six1	0.00	0.00	0.00	1.00E+00	no
Six3	0.00	0.00	0.00	1.00E+00	no
Six3os1	0.00	0.00	0.00	1.00E+00	no
Six4	0.00	0.00	0.00	1.00E+00	no
Six6	0.00	0.00	0.00	1.00E+00	no
Skint1	0.00	0.00	0.00	1.00E+00	no
Skint10	0.00	0.00	0.00	1.00E+00	no
Skint11	0.00	0.00	0.00	1.00E+00	no
Skint2	0.00	0.00	0.00	1.00E+00	no
Skint4	0.00	0.00	0.00	1.00E+00	no
Skint5	0.00	0.00	0.00	1.00E+00	no
Skint6	0.00	0.00	0.00	1.00E+00	no

Skint7	0.00	0.00	0.00	1.00E+00	no
Skint8	0.00	0.00	0.00	1.00E+00	no
Skint9	0.00	0.00	0.00	1.00E+00	no
Skor1	0.00	0.00	0.00	1.00E+00	no
Skor2	0.00	0.00	0.00	1.00E+00	no
Slc10a2	0.00	0.00	0.00	1.00E+00	no
Slc10a4	0.00	0.00	0.00	1.00E+00	no
Slc10a6	0.00	0.00	0.00	1.00E+00	no
Slc12a1	0.00	0.00	0.00	1.00E+00	no
Slc13a1	0.00	0.00	0.00	1.00E+00	no
Slc13a2	0.00	0.00	0.00	1.00E+00	no
Slc13a5	0.00	0.00	0.00	1.00E+00	no
Slc14a2	0.00	0.00	0.00	1.00E+00	no
Slc15a5	0.00	0.00	0.00	1.00E+00	no
Slc16a14	0.00	0.00	0.00	1.00E+00	no
Slc17a2	0.00	0.00	0.00	1.00E+00	no
Slc17a3	0.00	0.00	0.00	1.00E+00	no
Slc18a3	0.00	0.00	0.00	1.00E+00	no
Slc1a2	0.00	0.00	0.00	1.00E+00	no
Slc1a7	0.00	0.00	0.00	1.00E+00	no
Slc22a1	0.00	0.00	0.00	1.00E+00	no
Slc22a14	0.00	0.00	0.00	1.00E+00	no
Slc22a16	0.00	0.00	0.00	1.00E+00	no
Slc22a19	0.00	0.00	0.00	1.00E+00	no
Slc22a2	0.00	0.00	0.00	1.00E+00	no
Slc22a20	0.00	0.00	0.00	1.00E+00	no
Slc22a6	0.00	0.00	0.00	1.00E+00	no
Slc22a7	0.00	0.00	0.00	1.00E+00	no
Slc22a8	0.24	0.00	0.00	1.00E+00	no
Slc24a2	0.00	0.00	0.00	1.00E+00	no
Slc25a48	0.00	0.00	0.00	1.00E+00	no
Slc26a4	0.00	0.00	0.00	1.00E+00	no
Slc26a7	0.00	0.00	0.00	1.00E+00	no
Slc26a9	0.00	0.00	0.00	1.00E+00	no
Slc2a2	0.00	0.00	0.00	1.00E+00	no
Slc2a7	0.00	0.00	0.00	1.00E+00	no
Slc30a2	0.00	0.00	0.00	1.00E+00	no
Slc30a8	0.00	0.00	0.00	1.00E+00	no
Slc34a2	0.00	0.00	0.00	1.00E+00	no
Slc35f1	0.00	0.00	0.00	1.00E+00	no
Slc38a11	0.00	0.00	0.00	1.00E+00	no
Slc38a3	0.00	0.00	0.00	1.00E+00	no

Slc38a4	0.00	0.00	0.00	1.00E+00	no
Slc39a12	0.00	0.00	0.00	1.00E+00	no
Slc39a5	0.00	0.00	0.00	1.00E+00	no
Slc44a4	0.00	0.00	0.00	1.00E+00	no
Slc45a1	0.00	0.00	0.00	1.00E+00	no
Slc46a2	0.00	0.00	0.00	1.00E+00	no
Slc4a3	0.00	0.00	0.00	1.00E+00	no
Slc4a4	0.00	0.00	0.00	1.00E+00	no
Slc5a1	0.00	0.00	0.00	1.00E+00	no
Slc5a12	0.00	0.00	0.00	1.00E+00	no
Slc5a4a	0.00	0.00	0.00	1.00E+00	no
Slc5a4b	0.00	0.00	0.00	1.00E+00	no
Slc5a7	0.00	0.00	0.00	1.00E+00	no
Slc6a1	0.00	0.00	0.00	1.00E+00	no
Slc6a11	0.00	0.00	0.00	1.00E+00	no
Slc6a14	0.00	0.00	0.00	1.00E+00	no
Slc6a15	0.00	0.00	0.00	1.00E+00	no
Slc6a18	0.00	0.00	0.00	1.00E+00	no
Slc6a2	0.00	0.00	0.00	1.00E+00	no
Slc6a3	0.00	0.00	0.00	1.00E+00	no
Slc6a4	0.00	0.00	0.00	1.00E+00	no
Slc6a5	0.00	0.00	0.00	1.00E+00	no
Slc6a7	0.00	0.00	0.00	1.00E+00	no
Slc6a8	0.00	0.00	0.00	1.00E+00	no
Slc7a10	0.00	0.00	0.00	1.00E+00	no
Slc7a13	0.00	0.00	0.00	1.00E+00	no
Slc7a15	0.00	0.00	0.00	1.00E+00	no
Slc7a2	0.00	0.00	0.00	1.00E+00	no
Slc7a9	0.00	0.00	0.00	1.00E+00	no
Slc8a3	0.00	0.00	0.00	1.00E+00	no
Slc9a10	0.00	0.00	0.00	1.00E+00	no
Slc9a4	0.00	0.00	0.00	1.00E+00	no
Slco1a1	0.00	0.00	0.00	1.00E+00	no
Slco1a4	0.00	0.00	0.00	1.00E+00	no
Slco1a5	0.00	0.00	0.00	1.00E+00	no
Slco1a6	0.00	0.00	0.00	1.00E+00	no
Slco1c1	0.00	0.00	0.00	1.00E+00	no
Slco4c1	0.00	0.00	0.00	1.00E+00	no
Slco6b1	0.00	0.00	0.00	1.00E+00	no
Slco6c1	0.00	0.00	0.00	1.00E+00	no
Slco6d1	0.00	0.00	0.00	1.00E+00	no
Slitrk1	0.00	0.00	0.00	1.00E+00	no

Slitrk2	0.00	0.00	0.00	1.00E+00	no
Slitrk3	0.00	0.00	0.00	1.00E+00	no
Slitrk4	0.00	0.00	0.00	1.00E+00	no
Slitrk6	0.00	0.00	0.00	1.00E+00	no
Sln	0.00	0.00	0.00	1.00E+00	no
Slurp1	0.00	0.00	0.00	1.00E+00	no
Slx	0.00	0.00	0.00	1.00E+00	no
Slxl1	0.00	0.00	0.00	1.00E+00	no
Sly	0.00	0.00	0.00	1.00E+00	no
Smarca4	130.12	145.46	0.00	1.00E+00	no
Smcp	0.00	0.00	0.00	1.00E+00	no
Smgc	0.00	0.00	0.00	1.00E+00	no
Smoc1	0.00	0.00	0.00	1.00E+00	no
Smoc2	0.00	0.00	0.00	1.00E+00	no
Smok3a	0.00	0.00	0.00	1.00E+00	no
Smok3b	0.00	0.00	0.00	1.00E+00	no
Smok4a	0.00	0.00	0.00	1.00E+00	no
Smpx	0.00	0.00	0.00	1.00E+00	no
Smr2	0.00	0.00	0.00	1.00E+00	no
Smr3a	0.00	0.00	0.00	1.00E+00	no
Smtnl1	0.00	0.00	0.00	1.00E+00	no
Smyd1	0.00	0.00	0.00	1.00E+00	no
Snap25	0.00	0.00	0.00	1.00E+00	no
Snap91	0.00	0.00	0.00	1.00E+00	no
Snca	0.00	0.00	0.00	1.00E+00	no
Snciaip	0.00	0.00	0.00	1.00E+00	no
Sncb	0.00	0.00	0.00	1.00E+00	no
Sncg	0.00	0.00	0.00	1.00E+00	no
Snph	0.00	0.00	0.00	1.00E+00	no
Sntg1	0.00	0.00	0.00	1.00E+00	no
Sntg2	0.00	0.00	0.00	1.00E+00	no
Sntn	0.00	0.00	0.00	1.00E+00	no
Sohlh2	0.00	0.00	0.00	1.00E+00	no
Sorcs1	0.00	0.00	0.00	1.00E+00	no
Sorcs3	0.00	0.00	0.00	1.00E+00	no
Sost	0.00	0.00	0.00	1.00E+00	no
Sostdc1	0.00	0.00	0.00	1.00E+00	no
Sox1	0.00	0.00	0.00	1.00E+00	no
Sox10	0.00	0.00	0.00	1.00E+00	no
Sox11	0.00	0.00	0.00	1.00E+00	no
Sox14	0.00	0.00	0.00	1.00E+00	no
Sox17	0.00	0.00	0.00	1.00E+00	no

Sox18	0.00	0.00	0.00	1.00E+00	no
Sox2	0.00	0.00	0.00	1.00E+00	no
Sox21	0.00	0.00	0.00	1.00E+00	no
Sox2ot	0.00	0.00	0.00	1.00E+00	no
Sox3	0.00	0.00	0.00	1.00E+00	no
Sox30	0.00	0.00	0.00	1.00E+00	no
Sox5	0.36	0.00	0.00	1.00E+00	no
Sox6	0.00	0.00	0.00	1.00E+00	no
Sox7	0.00	0.00	0.00	1.00E+00	no
Sox9	0.00	0.00	0.00	1.00E+00	no
Sp5	0.00	0.00	0.00	1.00E+00	no
Sp7	0.00	0.00	0.00	1.00E+00	no
Sp8	0.00	0.00	0.00	1.00E+00	no
Sp9	0.00	0.00	0.00	1.00E+00	no
Spaca3	0.00	0.00	0.00	1.00E+00	no
Spag11a	0.00	0.00	0.00	1.00E+00	no
Spag11b	0.00	0.00	0.00	1.00E+00	no
Spag16	0.00	0.00	0.00	1.00E+00	no
Spag9	25.66	21.33	0.00	1.00E+00	no
Spam1	0.00	0.00	0.00	1.00E+00	no
Spata16	0.00	0.00	0.00	1.00E+00	no
Spata18	0.00	0.00	0.00	1.00E+00	no
Spata19	0.00	0.00	0.00	1.00E+00	no
Spata20	0.00	0.00	0.00	1.00E+00	no
Spata22	0.00	0.00	0.00	1.00E+00	no
Spata3	0.00	0.00	0.00	1.00E+00	no
Spats2	0.00	0.00	0.00	1.00E+00	no
Spats2l	0.00	0.00	0.00	1.00E+00	no
Spdef	0.00	0.00	0.00	1.00E+00	no
Spdyb	0.00	0.00	0.00	1.00E+00	no
Speer1-ps1	0.00	0.00	0.00	1.00E+00	no
Speer3	0.00	0.00	0.00	1.00E+00	no
Speer4a	0.00	0.00	0.00	1.00E+00	no
Speer4b	0.00	0.00	0.00	1.00E+00	no
Speer4c	0.00	0.00	0.00	1.00E+00	no
Speer4d	0.00	0.00	0.00	1.00E+00	no
Speer4e	0.00	0.00	0.00	1.00E+00	no
Speer4f	0.00	0.00	0.00	1.00E+00	no
Speer5-ps1	0.00	0.00	0.00	1.00E+00	no
Speer6-ps1	0.00	0.00	0.00	1.00E+00	no
Speer7-ps1	0.00	0.00	0.00	1.00E+00	no
Speer8-ps1	0.00	0.00	0.00	1.00E+00	no

Speer9-ps1	0.00	0.00	0.00	1.00E+00	no
Spert	0.00	0.00	0.00	1.00E+00	no
Spesp1	0.00	0.00	0.00	1.00E+00	no
Sphkap	0.00	0.00	0.00	1.00E+00	no
Spink11	0.00	0.00	0.00	1.00E+00	no
Spink12	0.00	0.00	0.00	1.00E+00	no
Spink14	0.00	0.00	0.00	1.00E+00	no
Spink3	0.00	0.00	0.00	1.00E+00	no
Spink4	0.00	0.00	0.00	1.00E+00	no
Spink5	0.00	0.00	0.00	1.00E+00	no
Spink6	0.00	0.00	0.00	1.00E+00	no
Spink7	0.00	0.00	0.00	1.00E+00	no
Spinlw1	0.00	0.00	0.00	1.00E+00	no
Spint1	0.00	0.00	0.00	1.00E+00	no
Spint3	0.00	0.00	0.00	1.00E+00	no
Spint4	0.00	0.00	0.00	1.00E+00	no
Spn-ps	0.00	0.00	0.00	1.00E+00	no
Spnb4	0.04	0.00	0.00	1.00E+00	no
Spock1	0.00	0.00	0.00	1.00E+00	no
Spock3	0.00	0.00	0.00	1.00E+00	no
Sprn	0.00	0.00	0.00	1.00E+00	no
Sprr1a	0.00	0.00	0.00	1.00E+00	no
Sprr1b	0.00	0.00	0.00	1.00E+00	no
Sprr2b	0.00	0.00	0.00	1.00E+00	no
Sprr2d	0.00	0.00	0.00	1.00E+00	no
Sprr2e	0.00	0.00	0.00	1.00E+00	no
Sprr2f	0.00	0.00	0.00	1.00E+00	no
Sprr2g	0.00	0.00	0.00	1.00E+00	no
Sprr2h	0.00	0.00	0.00	1.00E+00	no
Sprr2i	0.00	0.00	0.00	1.00E+00	no
Sprr2j-ps	0.00	0.00	0.00	1.00E+00	no
Sprr2k	0.00	0.00	0.00	1.00E+00	no
Sprr3	0.00	0.00	0.00	1.00E+00	no
Sprr4	0.00	0.00	0.00	1.00E+00	no
Spry3	0.00	0.00	0.00	1.00E+00	no
Spt1	0.00	0.00	0.00	1.00E+00	no
Sptlc3	0.00	0.00	0.00	1.00E+00	no
Spz1	0.00	0.00	0.00	1.00E+00	no
Src	0.00	0.00	0.00	1.00E+00	no
Srd5a2	0.00	0.00	0.00	1.00E+00	no
Srpx2	0.00	0.00	0.00	1.00E+00	no
Srrm3	0.00	0.00	0.00	1.00E+00	no

Srrm4	0.00	0.00	0.00	1.00E+00	no
Sry	0.00	0.00	0.00	1.00E+00	no
Ss18	48.59	40.28	0.00	1.00E+00	no
Sst	0.00	0.00	0.00	1.00E+00	no
Sstr1	0.00	0.00	0.00	1.00E+00	no
Sstr5	0.00	0.00	0.00	1.00E+00	no
Ssty1	0.00	0.00	0.00	1.00E+00	no
Ssty2	0.00	0.00	0.00	1.00E+00	no
Ssx9	0.00	0.00	0.00	1.00E+00	no
Ssxb1	0.00	0.00	0.00	1.00E+00	no
Ssxb10	0.00	0.00	0.00	1.00E+00	no
Ssxb2	0.00	0.00	0.00	1.00E+00	no
Ssxb3	0.00	0.00	0.00	1.00E+00	no
Ssxb5	0.00	0.00	0.00	1.00E+00	no
Ssxb8	0.00	0.00	0.00	1.00E+00	no
Ssxb9	0.00	0.00	0.00	1.00E+00	no
St6gal2	0.00	0.00	0.00	1.00E+00	no
St6galnac1	0.00	0.00	0.00	1.00E+00	no
St8sia3	0.00	0.00	0.00	1.00E+00	no
St8sia5	0.00	0.00	0.00	1.00E+00	no
Stard13	0.00	0.00	0.00	1.00E+00	no
Stc1	0.00	0.00	0.00	1.00E+00	no
Steap2	0.00	0.00	0.00	1.00E+00	no
Stfa2	0.00	0.00	0.00	1.00E+00	no
Stfa3	0.00	0.00	0.00	1.00E+00	no
Stk31	0.00	0.00	0.00	1.00E+00	no
Stk32a	0.00	0.00	0.00	1.00E+00	no
Stk33	0.00	0.00	0.00	1.00E+00	no
Stmn2	0.00	0.00	0.00	1.00E+00	no
Stra6	0.00	0.00	0.00	1.00E+00	no
Stra8	0.00	0.00	0.00	1.00E+00	no
Stx1b	0.00	0.00	0.00	1.00E+00	no
Stxbp5l	0.00	0.00	0.00	1.00E+00	no
Sucnr1	0.00	0.00	0.00	1.00E+00	no
Sulf1	0.00	0.00	0.00	1.00E+00	no
Sult1b1	0.00	0.00	0.00	1.00E+00	no
Sult1c1	0.00	0.00	0.00	1.00E+00	no
Sult1c2	0.00	0.00	0.00	1.00E+00	no
Sult1d1	0.00	0.00	0.00	1.00E+00	no
Sult1e1	0.00	0.00	0.00	1.00E+00	no
Sult2a1	0.00	0.00	0.00	1.00E+00	no
Sult2a2	0.00	0.00	0.00	1.00E+00	no

Sult2a3	0.00	0.00	0.00	1.00E+00	no
Sult2a4	0.00	0.00	0.00	1.00E+00	no
Sult2a5	0.00	0.00	0.00	1.00E+00	no
Sult2a6	0.00	0.00	0.00	1.00E+00	no
Sult2a7	0.00	0.00	0.00	1.00E+00	no
Sult3a1	0.00	0.00	0.00	1.00E+00	no
Sun3	0.00	0.00	0.00	1.00E+00	no
Sun5	0.00	0.00	0.00	1.00E+00	no
Susd5	0.00	0.00	0.00	1.00E+00	no
Sv2b	0.18	0.00	0.00	1.00E+00	no
Sva	0.00	0.00	0.00	1.00E+00	no
Sval1	0.00	0.00	0.00	1.00E+00	no
Sval2	0.00	0.00	0.00	1.00E+00	no
Sval3	0.00	0.00	0.00	1.00E+00	no
Svop	0.00	0.00	0.00	1.00E+00	no
Svs1	0.00	0.00	0.00	1.00E+00	no
Svs2	0.00	0.00	0.00	1.00E+00	no
Svs3a	0.00	0.00	0.00	1.00E+00	no
Svs3b	0.00	0.00	0.00	1.00E+00	no
Svs4	0.00	0.00	0.00	1.00E+00	no
Svs5	0.00	0.00	0.00	1.00E+00	no
Svs6	0.00	0.00	0.00	1.00E+00	no
Sybu	0.00	0.00	0.00	1.00E+00	no
Sycn	0.00	0.00	0.00	1.00E+00	no
Syn2	0.00	0.00	0.00	1.00E+00	no
Synpr	0.00	0.00	0.00	1.00E+00	no
Syt10	0.00	0.00	0.00	1.00E+00	no
Syt17	0.00	0.00	0.00	1.00E+00	no
Syt3	0.00	0.00	0.00	1.00E+00	no
Syt4	0.00	0.00	0.00	1.00E+00	no
Syt5	0.00	0.00	0.00	1.00E+00	no
Syt6	0.00	0.00	0.00	1.00E+00	no
Syt7	0.00	0.00	0.00	1.00E+00	no
Syt8	0.00	0.00	0.00	1.00E+00	no
Syt15	0.00	0.00	0.00	1.00E+00	no
Taar1	0.00	0.00	0.00	1.00E+00	no
Taar2	0.00	0.00	0.00	1.00E+00	no
Taar3	0.00	0.00	0.00	1.00E+00	no
Taar4	0.00	0.00	0.00	1.00E+00	no
Taar5	0.00	0.00	0.00	1.00E+00	no
Taar6	0.00	0.00	0.00	1.00E+00	no
Taar7a	0.00	0.00	0.00	1.00E+00	no

Taar7b	0.00	0.00	0.00	1.00E+00	no
Taar7d	0.00	0.00	0.00	1.00E+00	no
Taar7e	0.00	0.00	0.00	1.00E+00	no
Taar7f	0.00	0.00	0.00	1.00E+00	no
Taar8a	0.00	0.00	0.00	1.00E+00	no
Taar8b	0.00	0.00	0.00	1.00E+00	no
Taar8c	0.00	0.00	0.00	1.00E+00	no
Taar9	0.00	0.00	0.00	1.00E+00	no
Tac1	0.00	0.00	0.00	1.00E+00	no
Tac2	0.00	0.00	0.00	1.00E+00	no
Tacr1	0.00	0.00	0.00	1.00E+00	no
Tacr3	0.00	0.00	0.00	1.00E+00	no
Taf1a	0.00	0.00	0.00	1.00E+00	no
Taf7l	0.00	0.00	0.00	1.00E+00	no
Tal2	0.00	0.00	0.00	1.00E+00	no
Tas1r2	0.00	0.00	0.00	1.00E+00	no
Tas2r102	0.00	0.00	0.00	1.00E+00	no
Tas2r103	0.00	0.00	0.00	1.00E+00	no
Tas2r104	0.00	0.00	0.00	1.00E+00	no
Tas2r105	0.00	0.00	0.00	1.00E+00	no
Tas2r106	0.00	0.00	0.00	1.00E+00	no
Tas2r107	0.00	0.00	0.00	1.00E+00	no
Tas2r109	0.00	0.00	0.00	1.00E+00	no
Tas2r110	0.00	0.00	0.00	1.00E+00	no
Tas2r113	0.00	0.00	0.00	1.00E+00	no
Tas2r114	0.00	0.00	0.00	1.00E+00	no
Tas2r115	0.00	0.00	0.00	1.00E+00	no
Tas2r116	0.00	0.00	0.00	1.00E+00	no
Tas2r117	0.00	0.00	0.00	1.00E+00	no
Tas2r118	0.00	0.00	0.00	1.00E+00	no
Tas2r119	0.00	0.00	0.00	1.00E+00	no
Tas2r120	0.00	0.00	0.00	1.00E+00	no
Tas2r121	0.00	0.00	0.00	1.00E+00	no
Tas2r122	0.00	0.00	0.00	1.00E+00	no
Tas2r123	0.00	0.00	0.00	1.00E+00	no
Tas2r124	0.00	0.00	0.00	1.00E+00	no
Tas2r125	0.00	0.00	0.00	1.00E+00	no
Tas2r126	0.00	0.00	0.00	1.00E+00	no
Tas2r129	0.00	0.00	0.00	1.00E+00	no
Tas2r130	0.00	0.00	0.00	1.00E+00	no
Tas2r131	0.00	0.00	0.00	1.00E+00	no
Tas2r134	0.00	0.00	0.00	1.00E+00	no

Tas2r135	0.00	0.00	0.00	1.00E+00	no
Tas2r136	0.00	0.00	0.00	1.00E+00	no
Tas2r138	0.00	0.00	0.00	1.00E+00	no
Tas2r139	0.00	0.00	0.00	1.00E+00	no
Tas2r140	0.00	0.00	0.00	1.00E+00	no
Tas2r143	0.00	0.00	0.00	1.00E+00	no
Tas2r144	0.00	0.00	0.00	1.00E+00	no
Tat	0.00	0.00	0.00	1.00E+00	no
Tbc1d21	0.00	0.00	0.00	1.00E+00	no
Tbpl2	0.00	0.00	0.00	1.00E+00	no
Tbx10	0.00	0.00	0.00	1.00E+00	no
Tbx18	0.00	0.00	0.00	1.00E+00	no
Tbx20	0.00	0.00	0.00	1.00E+00	no
Tbx22	0.00	0.00	0.00	1.00E+00	no
Tbx3	0.00	0.00	0.00	1.00E+00	no
Tbx4	0.00	0.00	0.00	1.00E+00	no
Tbx5	0.00	0.00	0.00	1.00E+00	no
Tc2n	0.00	0.00	0.00	1.00E+00	no
Tceal3	0.00	0.00	0.00	1.00E+00	no
Tceal5	0.00	0.00	0.00	1.00E+00	no
Tceal6	0.00	0.00	0.00	1.00E+00	no
Tceal7	0.00	0.00	0.00	1.00E+00	no
Tcerg1l	0.00	0.00	0.00	1.00E+00	no
Tcf21	0.00	0.00	0.00	1.00E+00	no
Tcf3	144.56	131.66	0.00	1.00E+00	no
Tcfap2a	0.00	0.00	0.00	1.00E+00	no
Tcfap2b	0.00	0.00	0.00	1.00E+00	no
Tcfap2c	0.00	0.00	0.00	1.00E+00	no
Tcfap2d	0.00	0.00	0.00	1.00E+00	no
Tcfap2e	0.00	0.00	0.00	1.00E+00	no
Tchhl1	0.00	0.00	0.00	1.00E+00	no
Tcl1	0.00	0.00	0.00	1.00E+00	no
Tcl1b1	0.00	0.00	0.00	1.00E+00	no
Tcl1b2	0.00	0.00	0.00	1.00E+00	no
Tcl1b3	0.00	0.00	0.00	1.00E+00	no
Tcl1b4	0.00	0.00	0.00	1.00E+00	no
Tcl1b5	0.00	0.00	0.00	1.00E+00	no
Tcp10a	0.00	0.00	0.00	1.00E+00	no
Tcp10b	0.00	0.00	0.00	1.00E+00	no
Tcp10c	0.00	0.00	0.00	1.00E+00	no
Tcstv1	0.00	0.00	0.00	1.00E+00	no
Tcstv3	0.00	0.00	0.00	1.00E+00	no

Tcte1	0.00	0.00	0.00	1.00E+00	no
Tcte2	0.00	0.00	0.00	1.00E+00	no
Tctex1d1	0.00	0.00	0.00	1.00E+00	no
Tdh	0.00	0.00	0.00	1.00E+00	no
Tdpoz1	0.00	0.00	0.00	1.00E+00	no
Tdpoz2	0.00	0.00	0.00	1.00E+00	no
Tdpoz3	0.00	0.00	0.00	1.00E+00	no
Tdpoz4	0.00	0.00	0.00	1.00E+00	no
Tdpoz5	0.00	0.00	0.00	1.00E+00	no
Tdrd1	0.00	0.00	0.00	1.00E+00	no
Tdrd6	0.00	0.00	0.00	1.00E+00	no
Tead4	0.00	0.00	0.00	1.00E+00	no
Tecrl	0.00	0.00	0.00	1.00E+00	no
Teddm1	0.00	0.00	0.00	1.00E+00	no
Tekt3	0.00	0.00	0.00	1.00E+00	no
Tepp	0.00	0.00	0.00	1.00E+00	no
Tex13	0.00	0.00	0.00	1.00E+00	no
Tex13a	0.00	0.00	0.00	1.00E+00	no
Tex14	0.00	0.00	0.00	1.00E+00	no
Tex16	0.00	0.00	0.00	1.00E+00	no
Tex19.1	0.00	0.00	0.00	1.00E+00	no
Tex19.2	0.00	0.00	0.00	1.00E+00	no
Tex21	0.00	0.00	0.00	1.00E+00	no
Tex22	0.00	0.00	0.00	1.00E+00	no
Tex24	0.00	0.00	0.00	1.00E+00	no
Tex28	0.00	0.00	0.00	1.00E+00	no
Tfdp2	23.97	21.49	0.00	1.00E+00	no
Tfpi2	0.00	0.00	0.00	1.00E+00	no
Tgif2lx1,Tgif2lx2	0.00	0.00	0.00	1.00E+00	no
Tgif2lx2	0.00	0.00	0.00	1.00E+00	no
Tgm5	0.00	0.00	0.00	1.00E+00	no
Tgm7	0.00	0.00	0.00	1.00E+00	no
Tgtp1,Tgtp2	0.05	5.99	0.00	1.00E+00	no
Tgtp2	15.94	28.90	0.00	1.00E+00	no
Th	0.00	0.00	0.00	1.00E+00	no
Them5	0.00	0.00	0.00	1.00E+00	no
Thpo	0.00	0.00	0.00	1.00E+00	no
Thsd7a	0.00	0.00	0.00	1.00E+00	no
Tigit	0.00	0.00	0.00	1.00E+00	no
Timp1	0.00	0.00	0.00	1.00E+00	no
Timp4	0.00	0.00	0.00	1.00E+00	no
Tinag	0.00	0.00	0.00	1.00E+00	no

Tinagl1	0.00	0.00	0.00	1.00E+00	no
Tjp1	0.00	0.00	0.00	1.00E+00	no
Tktl2	0.00	0.00	0.00	1.00E+00	no
Tll1	0.00	0.00	0.00	1.00E+00	no
Tlx1	0.00	0.00	0.00	1.00E+00	no
Tlx2	0.00	0.00	0.00	1.00E+00	no
Tlx3	0.00	0.00	0.00	1.00E+00	no
Tm4sf1	0.00	0.00	0.00	1.00E+00	no
Tm4sf19	0.00	0.00	0.00	1.00E+00	no
Tm4sf4	0.00	0.00	0.00	1.00E+00	no
Tm4sf5	0.00	0.00	0.00	1.00E+00	no
Tm7sf4	0.00	0.00	0.00	1.00E+00	no
Tmc8	16.48	20.70	0.00	1.00E+00	no
Tmcc3	0.00	0.00	0.00	1.00E+00	no
Tmco2	0.00	0.00	0.00	1.00E+00	no
Tmco5	0.00	0.00	0.00	1.00E+00	no
Tmco5b	0.00	0.00	0.00	1.00E+00	no
Tmed11	0.00	0.00	0.00	1.00E+00	no
Tmed6	0.00	0.00	0.00	1.00E+00	no
Tmeff2	0.00	0.00	0.00	1.00E+00	no
Tmem102	0.00	0.00	0.00	1.00E+00	no
Tmem114	0.00	0.00	0.00	1.00E+00	no
Tmem116	0.00	0.00	0.00	1.00E+00	no
Tmem117	0.00	0.00	0.00	1.00E+00	no
Tmem125	0.00	0.00	0.00	1.00E+00	no
Tmem132c	0.00	0.00	0.00	1.00E+00	no
Tmem169	0.00	0.00	0.00	1.00E+00	no
Tmem171	0.00	0.00	0.00	1.00E+00	no
Tmem174	0.00	0.00	0.00	1.00E+00	no
Tmem175	8.95	11.31	0.00	1.00E+00	no
Tmem179	0.00	0.00	0.00	1.00E+00	no
Tmem182	0.00	0.00	0.00	1.00E+00	no
Tmem183a	26.66	24.07	0.00	1.00E+00	no
Tmem184a	0.00	0.00	0.00	1.00E+00	no
Tmem196	0.00	0.00	0.00	1.00E+00	no
Tmem200a	0.00	0.00	0.00	1.00E+00	no
Tmem207	0.00	0.00	0.00	1.00E+00	no
Tmem210	0.00	0.00	0.00	1.00E+00	no
Tmem211	0.00	0.00	0.00	1.00E+00	no
Tmem212	0.00	0.00	0.00	1.00E+00	no
Tmem213	0.00	0.00	0.00	1.00E+00	no
Tmem215	0.00	0.00	0.00	1.00E+00	no

Tmem217	0.00	0.00	0.00	1.00E+00	no
Tmem225	0.00	0.00	0.00	1.00E+00	no
Tmem229a	0.00	0.00	0.00	1.00E+00	no
Tmem232	0.00	0.00	0.00	1.00E+00	no
Tmem233	0.00	0.00	0.00	1.00E+00	no
Tmem27	0.00	0.00	0.00	1.00E+00	no
Tmem28	0.00	0.00	0.00	1.00E+00	no
Tmem30b	0.00	0.00	0.00	1.00E+00	no
Tmem37	0.00	0.00	0.00	1.00E+00	no
Tmem45a	0.00	0.00	0.00	1.00E+00	no
Tmem52	0.00	0.00	0.00	1.00E+00	no
Tmem54	0.00	0.00	0.00	1.00E+00	no
Tmem72	0.00	0.00	0.00	1.00E+00	no
Tmem89	0.00	0.00	0.00	1.00E+00	no
Tmem90b	0.00	0.00	0.00	1.00E+00	no
Tmem92-ps	0.00	0.00	0.00	1.00E+00	no
Tmigd1	0.00	0.00	0.00	1.00E+00	no
Tmlhe	0.00	0.00	0.00	1.00E+00	no
Tmod2	0.00	0.00	0.00	1.00E+00	no
Tmprss11a	0.00	0.00	0.00	1.00E+00	no
Tmprss11bnl	0.00	0.00	0.00	1.00E+00	no
Tmprss11c	0.00	0.00	0.00	1.00E+00	no
Tmprss11d	0.00	0.00	0.00	1.00E+00	no
Tmprss11e	0.00	0.00	0.00	1.00E+00	no
Tmprss11f	0.00	0.00	0.00	1.00E+00	no
Tmprss12	0.00	0.00	0.00	1.00E+00	no
Tmprss15	0.00	0.00	0.00	1.00E+00	no
Tmprss5	0.00	0.00	0.00	1.00E+00	no
Tmprss6	0.00	0.00	0.00	1.00E+00	no
Tmsb15a	0.00	0.00	0.00	1.00E+00	no
Tnc	0.00	0.00	0.00	1.00E+00	no
Tnfrsf11b	0.00	0.00	0.00	1.00E+00	no
Tnfrsf9	0.00	0.00	0.00	1.00E+00	no
Tnfsf12	0.00	0.00	0.00	1.00E+00	no
Tnfsf13	0.00	0.00	0.00	1.00E+00	no
Tnmd	0.00	0.00	0.00	1.00E+00	no
Tnni1	0.00	0.00	0.00	1.00E+00	no
Tnni3k	0.00	0.00	0.00	1.00E+00	no
Tnp1	0.00	0.00	0.00	1.00E+00	no
Tomm20l	0.00	0.00	0.00	1.00E+00	no
Tox2	0.00	0.00	0.00	1.00E+00	no
Tpbg	0.00	0.00	0.00	1.00E+00	no

Tpbpa	0.00	0.00	0.00	1.00E+00	no
Tpbpb	0.00	0.00	0.00	1.00E+00	no
Tpd52l1	0.00	0.00	0.00	1.00E+00	no
Tph1	0.00	0.00	0.00	1.00E+00	no
Tph2	0.00	0.00	0.00	1.00E+00	no
Tpo	0.00	0.00	0.00	1.00E+00	no
Tppp2	0.00	0.00	0.00	1.00E+00	no
Tprg	0.00	0.00	0.00	1.00E+00	no
Tpsab1	0.00	0.00	0.00	1.00E+00	no
Tpsb2	0.00	0.00	0.00	1.00E+00	no
Tpsg1	0.00	0.00	0.00	1.00E+00	no
Tpx2	62.54	33.57	0.00	1.00E+00	no
Tram1l1	0.00	0.00	0.00	1.00E+00	no
Trank1	0.00	0.00	0.00	1.00E+00	no
Trat1	0.00	0.00	0.00	1.00E+00	no
Trdn	0.00	0.00	0.00	1.00E+00	no
Treh	0.00	0.00	0.00	1.00E+00	no
Treml1	0.00	0.00	0.00	1.00E+00	no
Treml4	0.00	0.00	0.00	1.00E+00	no
Trex2	0.00	0.00	0.00	1.00E+00	no
Trh	0.00	0.00	0.00	1.00E+00	no
Trhr	0.00	0.00	0.00	1.00E+00	no
Trim29	0.00	0.00	0.00	1.00E+00	no
Trim30e-ps1	0.00	0.00	0.00	1.00E+00	no
Trim31	0.00	0.00	0.00	1.00E+00	no
Trim32	10.26	12.60	0.00	1.00E+00	no
Trim40	0.00	0.00	0.00	1.00E+00	no
Trim42	0.00	0.00	0.00	1.00E+00	no
Trim52	0.00	0.00	0.00	1.00E+00	no
Trim54	0.00	0.00	0.00	1.00E+00	no
Trim55	0.00	0.00	0.00	1.00E+00	no
Trim61	0.00	0.00	0.00	1.00E+00	no
Trim66	0.00	0.00	0.00	1.00E+00	no
Trim67	0.00	0.00	0.00	1.00E+00	no
Trim71	0.00	0.00	0.00	1.00E+00	no
Trim9	0.00	0.00	0.00	1.00E+00	no
Triml1	0.00	0.00	0.00	1.00E+00	no
Triml2	0.00	0.00	0.00	1.00E+00	no
Trp63	0.00	0.00	0.00	1.00E+00	no
Trp73	0.00	0.00	0.00	1.00E+00	no
Trpc7	0.00	0.00	0.00	1.00E+00	no
Trpd52l3	0.00	0.00	0.00	1.00E+00	no

Trpm3	0.00	0.00	0.00	1.00E+00	no
Trpm8	0.00	0.00	0.00	1.00E+00	no
Trpv5	0.00	0.00	0.00	1.00E+00	no
Try10	0.00	0.00	0.00	1.00E+00	no
Try4	0.00	0.00	0.00	1.00E+00	no
Try5	0.00	0.00	0.00	1.00E+00	no
Tsga8	0.00	0.00	0.00	1.00E+00	no
Tsku	0.00	0.00	0.00	1.00E+00	no
Tspan10	0.00	0.00	0.00	1.00E+00	no
Tspan11	0.00	0.00	0.00	1.00E+00	no
Tspan12	0.00	0.00	0.00	1.00E+00	no
Tspan8	0.00	0.00	0.00	1.00E+00	no
Tspy-ps	0.00	0.00	0.00	1.00E+00	no
Tspyl5	0.00	0.00	0.00	1.00E+00	no
Tssk3	0.00	0.00	0.00	1.00E+00	no
Ttc18	0.00	0.00	0.00	1.00E+00	no
Ttc22	0.00	0.00	0.00	1.00E+00	no
Ttc23l	0.00	0.00	0.00	1.00E+00	no
Ttc24	0.00	0.00	0.00	1.00E+00	no
Ttc29	0.00	0.00	0.00	1.00E+00	no
Ttc34	0.00	0.00	0.00	1.00E+00	no
Ttc39a	0.00	0.00	0.00	1.00E+00	no
Ttc9	0.00	0.00	0.00	1.00E+00	no
Ttc9b	0.00	0.00	0.00	1.00E+00	no
Ttl16	0.00	0.00	0.00	1.00E+00	no
Ttl17	0.00	0.00	0.00	1.00E+00	no
Ttl18	0.00	0.00	0.00	1.00E+00	no
Ttr	0.00	0.00	0.00	1.00E+00	no
Tubb1	0.00	0.00	0.00	1.00E+00	no
Tulp1	0.00	0.00	0.00	1.00E+00	no
Tulp2	0.00	0.00	0.00	1.00E+00	no
Tusc5	0.00	0.00	0.00	1.00E+00	no
Twist1	0.00	0.00	0.00	1.00E+00	no
Twist2	0.00	0.00	0.00	1.00E+00	no
Txk	0.00	0.00	0.00	1.00E+00	no
Txndc2	0.00	0.00	0.00	1.00E+00	no
Txndc3	0.00	0.00	0.00	1.00E+00	no
Txndc6	0.00	0.00	0.00	1.00E+00	no
Txndc8	0.00	0.00	0.00	1.00E+00	no
Tymp	0.93	0.85	0.00	1.00E+00	no
Tyr	0.00	0.00	0.00	1.00E+00	no
Tyrp1	0.00	0.00	0.00	1.00E+00	no

U46068	0.00	0.00	0.00	1.00E+00	no
U90926	0.00	0.00	0.00	1.00E+00	no
Ubap2l	71.88	65.00	0.00	1.00E+00	no
Ube2dnl	0.00	0.00	0.00	1.00E+00	no
Ube2u	0.00	0.00	0.00	1.00E+00	no
Ubl4b	0.00	0.00	0.00	1.00E+00	no
Ubqlnl	0.00	0.00	0.00	1.00E+00	no
Ubtfl1	0.00	0.00	0.00	1.00E+00	no
Ubxn10	0.00	0.00	0.00	1.00E+00	no
Ucma	0.00	0.00	0.00	1.00E+00	no
Ucn	0.00	0.00	0.00	1.00E+00	no
Ucn3	0.00	0.00	0.00	1.00E+00	no
Ucp1	0.00	0.00	0.00	1.00E+00	no
Ugt1a1	0.00	0.00	0.00	1.00E+00	no
Ugt1a10	0.00	0.00	0.00	1.00E+00	no
Ugt1a2	0.00	0.00	0.00	1.00E+00	no
Ugt1a5	0.00	0.00	0.00	1.00E+00	no
Ugt1a6a	0.07	0.00	0.00	1.00E+00	no
Ugt1a6b	0.00	0.00	0.00	1.00E+00	no
Ugt1a9	0.00	0.00	0.00	1.00E+00	no
Ugt2a1	0.00	0.00	0.00	1.00E+00	no
Ugt2a2	0.00	0.00	0.00	1.00E+00	no
Ugt2a3	0.00	0.00	0.00	1.00E+00	no
Ugt2b1	0.00	0.00	0.00	1.00E+00	no
Ugt2b34	0.00	0.00	0.00	1.00E+00	no
Ugt2b35	0.00	0.00	0.00	1.00E+00	no
Ugt2b36	0.00	0.00	0.00	1.00E+00	no
Ugt2b37	0.00	0.00	0.00	1.00E+00	no
Ugt2b38	0.00	0.00	0.00	1.00E+00	no
Ugt2b5	0.00	0.00	0.00	1.00E+00	no
Uhrf1	209.19	147.63	0.00	1.00E+00	no
Ulbp1	0.00	0.00	0.00	1.00E+00	no
Umodl1	0.00	0.00	0.00	1.00E+00	no
Unc13b	0.00	0.00	0.00	1.00E+00	no
Unc13c	0.00	0.00	0.00	1.00E+00	no
Unc5c	0.00	0.00	0.00	1.00E+00	no
Unc5d	0.00	0.00	0.00	1.00E+00	no
Unc80	0.00	0.00	0.00	1.00E+00	no
Uox	0.00	0.00	0.00	1.00E+00	no
Upk2	0.00	0.00	0.00	1.00E+00	no
Upk3a	0.00	0.00	0.00	1.00E+00	no
Upk3b	0.00	0.00	0.00	1.00E+00	no

Upp1	0.00	0.00	0.00	1.00E+00	no
Upp2	0.00	0.00	0.00	1.00E+00	no
Uroc1	0.00	0.00	0.00	1.00E+00	no
Ush1c	0.00	0.00	0.00	1.00E+00	no
Ush1g	0.00	0.00	0.00	1.00E+00	no
Ush2a	0.00	0.00	0.00	1.00E+00	no
Usp13	0.00	0.00	0.00	1.00E+00	no
Usp17I5	0.00	0.00	0.00	1.00E+00	no
Usp19	42.82	41.33	0.00	1.00E+00	no
Usp26	0.00	0.00	0.00	1.00E+00	no
Usp29	0.00	0.00	0.00	1.00E+00	no
Uspl1	22.83	20.78	0.00	1.00E+00	no
Uts2d	0.00	0.00	0.00	1.00E+00	no
Uts2r	0.00	0.00	0.00	1.00E+00	no
V1ra8	0.00	0.00	0.00	1.00E+00	no
V1rd18,V1rd19	0.00	0.00	0.00	1.00E+00	no
V1rd19	0.00	0.00	0.00	1.00E+00	no
V1rg10	0.00	0.00	0.00	1.00E+00	no
Vamp7	0.00	0.00	0.00	1.00E+00	no
Vax1	0.00	0.00	0.00	1.00E+00	no
Vax2os1	0.00	0.00	0.00	1.00E+00	no
Vax2os2	0.00	0.00	0.00	1.00E+00	no
Vegfa	19.53	41.79	0.00	1.00E+00	no
Vgll1	0.00	0.00	0.00	1.00E+00	no
Vgll2	0.00	0.00	0.00	1.00E+00	no
Vip	0.00	0.00	0.00	1.00E+00	no
Vit	0.00	0.00	0.00	1.00E+00	no
Vldlr	0.00	0.00	0.00	1.00E+00	no
Vmn1r-ps103	0.00	0.00	0.00	1.00E+00	no
Vmn1r-ps79	0.00	0.00	0.00	1.00E+00	no
Vmn1r1	0.00	0.00	0.00	1.00E+00	no
Vmn1r10	0.00	0.00	0.00	1.00E+00	no
Vmn1r100,Vm	0.00	0.00	0.00	1.00E+00	no
Vmn1r101	0.00	0.00	0.00	1.00E+00	no
Vmn1r103	0.00	0.00	0.00	1.00E+00	no
Vmn1r104	0.00	0.00	0.00	1.00E+00	no
Vmn1r109	0.00	0.00	0.00	1.00E+00	no
Vmn1r11	0.00	0.00	0.00	1.00E+00	no
Vmn1r110	0.00	0.00	0.00	1.00E+00	no
Vmn1r111	0.00	0.00	0.00	1.00E+00	no
Vmn1r112	0.00	0.00	0.00	1.00E+00	no
Vmn1r113	0.00	0.00	0.00	1.00E+00	no

Vmn1r114	0.00	0.00	0.00	1.00E+00	no
Vmn1r115	0.00	0.00	0.00	1.00E+00	no
Vmn1r116	0.00	0.00	0.00	1.00E+00	no
Vmn1r117	0.00	0.00	0.00	1.00E+00	no
Vmn1r118	0.00	0.00	0.00	1.00E+00	no
Vmn1r119	0.00	0.00	0.00	1.00E+00	no
Vmn1r12	0.00	0.00	0.00	1.00E+00	no
Vmn1r120	0.00	0.00	0.00	1.00E+00	no
Vmn1r121	0.00	0.00	0.00	1.00E+00	no
Vmn1r122	0.00	0.00	0.00	1.00E+00	no
Vmn1r123	0.00	0.00	0.00	1.00E+00	no
Vmn1r124	0.00	0.00	0.00	1.00E+00	no
Vmn1r125	0.00	0.00	0.00	1.00E+00	no
Vmn1r126	0.00	0.00	0.00	1.00E+00	no
Vmn1r127	0.00	0.00	0.00	1.00E+00	no
Vmn1r128	0.00	0.00	0.00	1.00E+00	no
Vmn1r129	0.00	0.00	0.00	1.00E+00	no
Vmn1r13	0.00	0.00	0.00	1.00E+00	no
Vmn1r132,Vm	0.00	0.00	0.00	1.00E+00	no
Vmn1r135	0.00	0.00	0.00	1.00E+00	no
Vmn1r139	0.00	0.00	0.00	1.00E+00	no
Vmn1r14	0.00	0.00	0.00	1.00E+00	no
Vmn1r142	0.00	0.00	0.00	1.00E+00	no
Vmn1r143	0.00	0.00	0.00	1.00E+00	no
Vmn1r148	0.00	0.00	0.00	1.00E+00	no
Vmn1r15	0.00	0.00	0.00	1.00E+00	no
Vmn1r151	0.00	0.00	0.00	1.00E+00	no
Vmn1r152	0.00	0.00	0.00	1.00E+00	no
Vmn1r155	0.00	0.00	0.00	1.00E+00	no
Vmn1r158	0.00	0.00	0.00	1.00E+00	no
Vmn1r159	0.00	0.00	0.00	1.00E+00	no
Vmn1r16	0.00	0.00	0.00	1.00E+00	no
Vmn1r160	0.00	0.00	0.00	1.00E+00	no
Vmn1r163	0.00	0.00	0.00	1.00E+00	no
Vmn1r165	0.00	0.00	0.00	1.00E+00	no
Vmn1r167	0.00	0.00	0.00	1.00E+00	no
Vmn1r168	0.00	0.00	0.00	1.00E+00	no
Vmn1r169	0.00	0.00	0.00	1.00E+00	no
Vmn1r17	0.00	0.00	0.00	1.00E+00	no
Vmn1r170	0.00	0.00	0.00	1.00E+00	no
Vmn1r171	0.00	0.00	0.00	1.00E+00	no
Vmn1r172	0.00	0.00	0.00	1.00E+00	no

Vmn1r173	0.00	0.00	0.00	1.00E+00	no
Vmn1r174	0.00	0.00	0.00	1.00E+00	no
Vmn1r175	0.00	0.00	0.00	1.00E+00	no
Vmn1r176	0.00	0.00	0.00	1.00E+00	no
Vmn1r177	0.00	0.00	0.00	1.00E+00	no
Vmn1r178	0.00	0.00	0.00	1.00E+00	no
Vmn1r179	0.00	0.00	0.00	1.00E+00	no
Vmn1r18	0.00	0.00	0.00	1.00E+00	no
Vmn1r180	0.00	0.00	0.00	1.00E+00	no
Vmn1r181	0.00	0.00	0.00	1.00E+00	no
Vmn1r183	0.00	0.00	0.00	1.00E+00	no
Vmn1r184	0.00	0.00	0.00	1.00E+00	no
Vmn1r185	0.00	0.00	0.00	1.00E+00	no
Vmn1r186,Vm	0.00	0.00	0.00	1.00E+00	no
Vmn1r187,Vm	0.00	0.00	0.00	1.00E+00	no
Vmn1r188	0.00	0.00	0.00	1.00E+00	no
Vmn1r189	0.00	0.00	0.00	1.00E+00	no
Vmn1r19	0.00	0.00	0.00	1.00E+00	no
Vmn1r191	0.00	0.00	0.00	1.00E+00	no
Vmn1r192	0.00	0.00	0.00	1.00E+00	no
Vmn1r193	0.00	0.00	0.00	1.00E+00	no
Vmn1r194	0.00	0.00	0.00	1.00E+00	no
Vmn1r195	0.00	0.00	0.00	1.00E+00	no
Vmn1r196	0.00	0.00	0.00	1.00E+00	no
Vmn1r197	0.00	0.00	0.00	1.00E+00	no
Vmn1r198	0.00	0.00	0.00	1.00E+00	no
Vmn1r199	0.00	0.00	0.00	1.00E+00	no
Vmn1r2	0.00	0.00	0.00	1.00E+00	no
Vmn1r20	0.00	0.00	0.00	1.00E+00	no
Vmn1r200	0.00	0.00	0.00	1.00E+00	no
Vmn1r201	0.00	0.00	0.00	1.00E+00	no
Vmn1r202	0.00	0.00	0.00	1.00E+00	no
Vmn1r203	0.00	0.00	0.00	1.00E+00	no
Vmn1r204	0.00	0.00	0.00	1.00E+00	no
Vmn1r205	0.00	0.00	0.00	1.00E+00	no
Vmn1r206	0.00	0.00	0.00	1.00E+00	no
Vmn1r207-ps	0.00	0.00	0.00	1.00E+00	no
Vmn1r208	0.00	0.00	0.00	1.00E+00	no
Vmn1r209	0.00	0.00	0.00	1.00E+00	no
Vmn1r21	0.00	0.00	0.00	1.00E+00	no
Vmn1r210	0.00	0.00	0.00	1.00E+00	no
Vmn1r211	0.00	0.00	0.00	1.00E+00	no

Vmn1r212	0.00	0.00	0.00	1.00E+00	no
Vmn1r213	0.00	0.00	0.00	1.00E+00	no
Vmn1r214	0.00	0.00	0.00	1.00E+00	no
Vmn1r215	0.00	0.00	0.00	1.00E+00	no
Vmn1r216	0.00	0.00	0.00	1.00E+00	no
Vmn1r217	0.00	0.00	0.00	1.00E+00	no
Vmn1r218	0.00	0.00	0.00	1.00E+00	no
Vmn1r219	0.00	0.00	0.00	1.00E+00	no
Vmn1r22	0.00	0.00	0.00	1.00E+00	no
Vmn1r220	0.00	0.00	0.00	1.00E+00	no
Vmn1r221	0.00	0.00	0.00	1.00E+00	no
Vmn1r222	0.00	0.00	0.00	1.00E+00	no
Vmn1r223	0.00	0.00	0.00	1.00E+00	no
Vmn1r224	0.00	0.00	0.00	1.00E+00	no
Vmn1r225	0.00	0.00	0.00	1.00E+00	no
Vmn1r226	0.00	0.00	0.00	1.00E+00	no
Vmn1r227	0.00	0.00	0.00	1.00E+00	no
Vmn1r228	0.00	0.00	0.00	1.00E+00	no
Vmn1r229	0.00	0.00	0.00	1.00E+00	no
Vmn1r23	0.00	0.00	0.00	1.00E+00	no
Vmn1r230	0.00	0.00	0.00	1.00E+00	no
Vmn1r231	0.00	0.00	0.00	1.00E+00	no
Vmn1r232	0.00	0.00	0.00	1.00E+00	no
Vmn1r234	0.00	0.00	0.00	1.00E+00	no
Vmn1r235	0.00	0.00	0.00	1.00E+00	no
Vmn1r236	0.00	0.00	0.00	1.00E+00	no
Vmn1r237	0.00	0.00	0.00	1.00E+00	no
Vmn1r238	0.00	0.00	0.00	1.00E+00	no
Vmn1r24	0.00	0.00	0.00	1.00E+00	no
Vmn1r25	0.00	0.00	0.00	1.00E+00	no
Vmn1r26	0.00	0.00	0.00	1.00E+00	no
Vmn1r27	0.00	0.00	0.00	1.00E+00	no
Vmn1r28	0.00	0.00	0.00	1.00E+00	no
Vmn1r29	0.00	0.00	0.00	1.00E+00	no
Vmn1r3	0.00	0.00	0.00	1.00E+00	no
Vmn1r30	0.00	0.00	0.00	1.00E+00	no
Vmn1r31	0.00	0.00	0.00	1.00E+00	no
Vmn1r33	0.00	0.00	0.00	1.00E+00	no
Vmn1r34	0.00	0.00	0.00	1.00E+00	no
Vmn1r35	0.00	0.00	0.00	1.00E+00	no
Vmn1r36	0.00	0.00	0.00	1.00E+00	no
Vmn1r37	0.00	0.00	0.00	1.00E+00	no

Vmn1r38	0.00	0.00	0.00	1.00E+00	no
Vmn1r39	0.00	0.00	0.00	1.00E+00	no
Vmn1r4	0.00	0.00	0.00	1.00E+00	no
Vmn1r40	0.00	0.00	0.00	1.00E+00	no
Vmn1r41	0.00	0.00	0.00	1.00E+00	no
Vmn1r43	0.00	0.00	0.00	1.00E+00	no
Vmn1r44	0.00	0.00	0.00	1.00E+00	no
Vmn1r45	0.00	0.00	0.00	1.00E+00	no
Vmn1r46	0.00	0.00	0.00	1.00E+00	no
Vmn1r47	0.00	0.00	0.00	1.00E+00	no
Vmn1r48	0.00	0.00	0.00	1.00E+00	no
Vmn1r49	0.00	0.00	0.00	1.00E+00	no
Vmn1r5	0.00	0.00	0.00	1.00E+00	no
Vmn1r50	0.00	0.00	0.00	1.00E+00	no
Vmn1r51	0.00	0.00	0.00	1.00E+00	no
Vmn1r52	0.00	0.00	0.00	1.00E+00	no
Vmn1r53	0.00	0.00	0.00	1.00E+00	no
Vmn1r54	0.00	0.00	0.00	1.00E+00	no
Vmn1r55	0.00	0.00	0.00	1.00E+00	no
Vmn1r56	0.00	0.00	0.00	1.00E+00	no
Vmn1r57	0.00	0.00	0.00	1.00E+00	no
Vmn1r58	0.00	0.00	0.00	1.00E+00	no
Vmn1r59	0.00	0.00	0.00	1.00E+00	no
Vmn1r6	0.00	0.00	0.00	1.00E+00	no
Vmn1r60	0.00	0.00	0.00	1.00E+00	no
Vmn1r61	0.00	0.00	0.00	1.00E+00	no
Vmn1r62	0.00	0.00	0.00	1.00E+00	no
Vmn1r63	0.00	0.00	0.00	1.00E+00	no
Vmn1r64	0.00	0.00	0.00	1.00E+00	no
Vmn1r65	0.00	0.00	0.00	1.00E+00	no
Vmn1r66	0.00	0.00	0.00	1.00E+00	no
Vmn1r67	0.00	0.00	0.00	1.00E+00	no
Vmn1r68	0.00	0.00	0.00	1.00E+00	no
Vmn1r69	0.00	0.00	0.00	1.00E+00	no
Vmn1r7	0.00	0.00	0.00	1.00E+00	no
Vmn1r70	0.00	0.00	0.00	1.00E+00	no
Vmn1r71	0.00	0.00	0.00	1.00E+00	no
Vmn1r72	0.00	0.00	0.00	1.00E+00	no
Vmn1r73	0.00	0.00	0.00	1.00E+00	no
Vmn1r74	0.00	0.00	0.00	1.00E+00	no
Vmn1r75	0.00	0.00	0.00	1.00E+00	no
Vmn1r76	0.00	0.00	0.00	1.00E+00	no

Vmn1r77	0.00	0.00	0.00	1.00E+00	no
Vmn1r78	0.00	0.00	0.00	1.00E+00	no
Vmn1r8	0.00	0.00	0.00	1.00E+00	no
Vmn1r80	0.00	0.00	0.00	1.00E+00	no
Vmn1r81	0.00	0.00	0.00	1.00E+00	no
Vmn1r82	0.00	0.00	0.00	1.00E+00	no
Vmn1r83	0.00	0.00	0.00	1.00E+00	no
Vmn1r84	0.00	0.00	0.00	1.00E+00	no
Vmn1r85	0.00	0.00	0.00	1.00E+00	no
Vmn1r86	0.00	0.00	0.00	1.00E+00	no
Vmn1r87	0.00	0.00	0.00	1.00E+00	no
Vmn1r88	0.00	0.00	0.00	1.00E+00	no
Vmn1r89	0.00	0.00	0.00	1.00E+00	no
Vmn1r9	0.00	0.00	0.00	1.00E+00	no
Vmn1r91	0.00	0.00	0.00	1.00E+00	no
Vmn1r93	0.00	0.00	0.00	1.00E+00	no
Vmn1r94	0.00	0.00	0.00	1.00E+00	no
Vmn1r95	0.00	0.00	0.00	1.00E+00	no
Vmn2r-ps11	0.00	0.00	0.00	1.00E+00	no
Vmn2r-ps129	0.00	0.00	0.00	1.00E+00	no
Vmn2r-ps60	0.00	0.00	0.00	1.00E+00	no
Vmn2r10	0.00	0.00	0.00	1.00E+00	no
Vmn2r100	0.00	0.00	0.00	1.00E+00	no
Vmn2r101	0.00	0.00	0.00	1.00E+00	no
Vmn2r102	0.00	0.00	0.00	1.00E+00	no
Vmn2r103	0.00	0.00	0.00	1.00E+00	no
Vmn2r104	0.00	0.00	0.00	1.00E+00	no
Vmn2r106	0.00	0.00	0.00	1.00E+00	no
Vmn2r107	0.00	0.00	0.00	1.00E+00	no
Vmn2r108	0.00	0.00	0.00	1.00E+00	no
Vmn2r109	0.00	0.00	0.00	1.00E+00	no
Vmn2r11	0.00	0.00	0.00	1.00E+00	no
Vmn2r110	0.00	0.00	0.00	1.00E+00	no
Vmn2r111	0.00	0.00	0.00	1.00E+00	no
Vmn2r112	0.00	0.00	0.00	1.00E+00	no
Vmn2r113	0.00	0.00	0.00	1.00E+00	no
Vmn2r114	0.00	0.00	0.00	1.00E+00	no
Vmn2r115	0.00	0.00	0.00	1.00E+00	no
Vmn2r116	0.00	0.00	0.00	1.00E+00	no
Vmn2r117	0.00	0.00	0.00	1.00E+00	no
Vmn2r118	0.00	0.00	0.00	1.00E+00	no
Vmn2r12	0.00	0.00	0.00	1.00E+00	no

Vmn2r120	0.00	0.00	0.00	1.00E+00	no
Vmn2r121	0.00	0.00	0.00	1.00E+00	no
Vmn2r123	0.00	0.00	0.00	1.00E+00	no
Vmn2r13	0.00	0.00	0.00	1.00E+00	no
Vmn2r14	0.00	0.00	0.00	1.00E+00	no
Vmn2r16	0.00	0.00	0.00	1.00E+00	no
Vmn2r17	0.00	0.00	0.00	1.00E+00	no
Vmn2r19	0.00	0.00	0.00	1.00E+00	no
Vmn2r20	0.00	0.00	0.00	1.00E+00	no
Vmn2r21	0.00	0.00	0.00	1.00E+00	no
Vmn2r22	0.00	0.00	0.00	1.00E+00	no
Vmn2r23	0.00	0.00	0.00	1.00E+00	no
Vmn2r24	0.00	0.00	0.00	1.00E+00	no
Vmn2r25	0.00	0.00	0.00	1.00E+00	no
Vmn2r28	0.00	0.00	0.00	1.00E+00	no
Vmn2r3	0.00	0.00	0.00	1.00E+00	no
Vmn2r30	0.00	0.00	0.00	1.00E+00	no
Vmn2r31	0.00	0.00	0.00	1.00E+00	no
Vmn2r32	0.00	0.00	0.00	1.00E+00	no
Vmn2r33	0.00	0.00	0.00	1.00E+00	no
Vmn2r34	0.00	0.00	0.00	1.00E+00	no
Vmn2r35	0.00	0.00	0.00	1.00E+00	no
Vmn2r36	0.00	0.00	0.00	1.00E+00	no
Vmn2r37	0.00	0.00	0.00	1.00E+00	no
Vmn2r38	0.00	0.00	0.00	1.00E+00	no
Vmn2r39	0.00	0.00	0.00	1.00E+00	no
Vmn2r4	0.00	0.00	0.00	1.00E+00	no
Vmn2r40	0.00	0.00	0.00	1.00E+00	no
Vmn2r41	0.00	0.00	0.00	1.00E+00	no
Vmn2r42	0.00	0.00	0.00	1.00E+00	no
Vmn2r43	0.00	0.00	0.00	1.00E+00	no
Vmn2r44	0.00	0.00	0.00	1.00E+00	no
Vmn2r45	0.00	0.00	0.00	1.00E+00	no
Vmn2r46	0.00	0.00	0.00	1.00E+00	no
Vmn2r47	0.00	0.00	0.00	1.00E+00	no
Vmn2r48	0.00	0.00	0.00	1.00E+00	no
Vmn2r49	0.00	0.00	0.00	1.00E+00	no
Vmn2r5	0.00	0.00	0.00	1.00E+00	no
Vmn2r50	0.00	0.00	0.00	1.00E+00	no
Vmn2r51	0.00	0.00	0.00	1.00E+00	no
Vmn2r52	0.00	0.00	0.00	1.00E+00	no
Vmn2r53	0.00	0.00	0.00	1.00E+00	no

Vmn2r54	0.00	0.00	0.00	1.00E+00	no
Vmn2r55	0.00	0.00	0.00	1.00E+00	no
Vmn2r56	0.00	0.00	0.00	1.00E+00	no
Vmn2r58	0.00	0.00	0.00	1.00E+00	no
Vmn2r59	0.00	0.00	0.00	1.00E+00	no
Vmn2r6	0.00	0.00	0.00	1.00E+00	no
Vmn2r60	0.00	0.00	0.00	1.00E+00	no
Vmn2r61	0.00	0.00	0.00	1.00E+00	no
Vmn2r62	0.00	0.00	0.00	1.00E+00	no
Vmn2r63	0.00	0.00	0.00	1.00E+00	no
Vmn2r66	0.00	0.00	0.00	1.00E+00	no
Vmn2r67	0.00	0.00	0.00	1.00E+00	no
Vmn2r68-ps	0.00	0.00	0.00	1.00E+00	no
Vmn2r69	0.00	0.00	0.00	1.00E+00	no
Vmn2r7	0.00	0.00	0.00	1.00E+00	no
Vmn2r70	0.00	0.00	0.00	1.00E+00	no
Vmn2r71	0.00	0.00	0.00	1.00E+00	no
Vmn2r72-ps	0.00	0.00	0.00	1.00E+00	no
Vmn2r73	0.00	0.00	0.00	1.00E+00	no
Vmn2r74	0.00	0.00	0.00	1.00E+00	no
Vmn2r75	0.00	0.00	0.00	1.00E+00	no
Vmn2r76	0.00	0.00	0.00	1.00E+00	no
Vmn2r77	0.00	0.00	0.00	1.00E+00	no
Vmn2r78	0.00	0.00	0.00	1.00E+00	no
Vmn2r79	0.00	0.00	0.00	1.00E+00	no
Vmn2r8	0.00	0.00	0.00	1.00E+00	no
Vmn2r80	0.00	0.00	0.00	1.00E+00	no
Vmn2r81	0.00	0.00	0.00	1.00E+00	no
Vmn2r82	0.00	0.00	0.00	1.00E+00	no
Vmn2r83	0.00	0.00	0.00	1.00E+00	no
Vmn2r88	0.00	0.00	0.00	1.00E+00	no
Vmn2r89	0.00	0.00	0.00	1.00E+00	no
Vmn2r9	0.00	0.00	0.00	1.00E+00	no
Vmn2r90	0.00	0.00	0.00	1.00E+00	no
Vmn2r91	0.00	0.00	0.00	1.00E+00	no
Vmn2r92	0.00	0.00	0.00	1.00E+00	no
Vmn2r93	0.00	0.00	0.00	1.00E+00	no
Vmn2r94	0.00	0.00	0.00	1.00E+00	no
Vmn2r95	0.00	0.00	0.00	1.00E+00	no
Vmn2r98	0.00	0.00	0.00	1.00E+00	no
Vmn2r99	0.00	0.00	0.00	1.00E+00	no
Vmo1	0.00	0.00	0.00	1.00E+00	no

Vrtn	0.00	0.00	0.00	1.00E+00	no
Vsig1	0.00	0.00	0.00	1.00E+00	no
Vsig4	0.00	0.00	0.00	1.00E+00	no
Vsig8	0.00	0.00	0.00	1.00E+00	no
Vstm2a	0.00	0.00	0.00	1.00E+00	no
Vstm2b	0.00	0.00	0.00	1.00E+00	no
Vsx2	0.00	0.00	0.00	1.00E+00	no
Vtcn1	0.00	0.00	0.00	1.00E+00	no
Vtn	0.00	0.00	0.00	1.00E+00	no
Vwa2	0.00	0.00	0.00	1.00E+00	no
Vwc2l	0.00	0.00	0.00	1.00E+00	no
Vwde	0.00	0.00	0.00	1.00E+00	no
Wap	0.00	0.00	0.00	1.00E+00	no
Wasf3	0.00	0.00	0.00	1.00E+00	no
Wbscr17	0.00	0.00	0.00	1.00E+00	no
Wbscr25	0.00	0.00	0.00	1.00E+00	no
Wbscr28	0.00	0.00	0.00	1.00E+00	no
Wdr16	0.00	0.00	0.00	1.00E+00	no
Wdr17	0.00	0.00	0.00	1.00E+00	no
Wdr38	0.00	0.00	0.00	1.00E+00	no
Wdr52	0.00	0.00	0.00	1.00E+00	no
Wdr64	0.00	0.00	0.00	1.00E+00	no
Wdr69	0.00	0.00	0.00	1.00E+00	no
Wdr72	0.00	0.00	0.00	1.00E+00	no
Wfdc1	0.00	0.00	0.00	1.00E+00	no
Wfdc11	0.00	0.00	0.00	1.00E+00	no
Wfdc12	0.00	0.00	0.00	1.00E+00	no
Wfdc13	0.00	0.00	0.00	1.00E+00	no
Wfdc15a	0.00	0.00	0.00	1.00E+00	no
Wfdc15b	0.00	0.00	0.00	1.00E+00	no
Wfdc16	0.00	0.00	0.00	1.00E+00	no
Wfdc2	0.00	0.00	0.00	1.00E+00	no
Wfdc3	0.00	0.00	0.00	1.00E+00	no
Wfdc5	0.00	0.00	0.00	1.00E+00	no
Wfdc6a	0.00	0.00	0.00	1.00E+00	no
Wfdc6b	0.00	0.00	0.00	1.00E+00	no
Wfdc8	0.00	0.00	0.00	1.00E+00	no
Wipf3	0.00	0.00	0.00	1.00E+00	no
Wisp1	0.00	0.00	0.00	1.00E+00	no
Wnt1	0.00	0.00	0.00	1.00E+00	no
Wnt11	0.00	0.00	0.00	1.00E+00	no
Wnt2	0.00	0.00	0.00	1.00E+00	no

Wnt3	0.00	0.00	0.00	1.00E+00	no
Wnt3a	0.00	0.00	0.00	1.00E+00	no
Wnt4	0.00	0.00	0.00	1.00E+00	no
Wnt5a	0.00	0.00	0.00	1.00E+00	no
Wnt7a	0.00	0.00	0.00	1.00E+00	no
Wnt7b	0.00	0.00	0.00	1.00E+00	no
Wnt8a	0.00	0.00	0.00	1.00E+00	no
Wnt9b	0.00	0.00	0.00	1.00E+00	no
Wscd2	0.00	0.00	0.00	1.00E+00	no
Wt1	0.00	0.00	0.00	1.00E+00	no
Wwtr1	0.00	0.00	0.00	1.00E+00	no
Xirp2	0.00	0.00	0.00	1.00E+00	no
Xkr4	0.00	0.00	0.00	1.00E+00	no
Xkr9	0.00	0.00	0.00	1.00E+00	no
Xlr5a	0.00	0.00	0.00	1.00E+00	no
Xlr5b	0.00	0.00	0.00	1.00E+00	no
Xlr5c	0.00	0.00	0.00	1.00E+00	no
Zar1	0.00	0.00	0.00	1.00E+00	no
Zar1l	0.00	0.00	0.00	1.00E+00	no
Zbbx	0.00	0.00	0.00	1.00E+00	no
Zbtb8b	0.00	0.00	0.00	1.00E+00	no
Zcchc13	0.00	0.00	0.00	1.00E+00	no
Zcchc16	0.00	0.00	0.00	1.00E+00	no
Zcchc5	0.00	0.00	0.00	1.00E+00	no
Zdhhc11	0.00	0.00	0.00	1.00E+00	no
Zdhhc19	0.00	0.00	0.00	1.00E+00	no
Zf12	0.00	0.00	0.00	1.00E+00	no
Zfhx2as	0.00	0.00	0.00	1.00E+00	no
Zfhx4	0.00	0.00	0.00	1.00E+00	no
Zfp13	0.00	0.00	0.00	1.00E+00	no
Zfp131	0.00	0.00	0.00	1.00E+00	no
Zfp185	0.00	0.00	0.00	1.00E+00	no
Zfp207	103.47	81.95	0.00	1.00E+00	no
Zfp219	0.00	0.00	0.00	1.00E+00	no
Zfp27	4.27	4.83	0.00	1.00E+00	no
Zfp281	12.33	10.57	0.00	1.00E+00	no
Zfp334	0.00	0.00	0.00	1.00E+00	no
Zfp352	0.00	0.00	0.00	1.00E+00	no
Zfp353	0.00	0.00	0.00	1.00E+00	no
Zfp37	0.00	0.00	0.00	1.00E+00	no
Zfp385b	0.00	0.00	0.00	1.00E+00	no
Zfp42	0.00	0.00	0.00	1.00E+00	no

Zfp474	0.00	0.00	0.00	1.00E+00	no
Zfp488	0.00	0.00	0.00	1.00E+00	no
Zfp503	0.00	0.00	0.00	1.00E+00	no
Zfp568	8.89	5.01	0.00	1.00E+00	no
Zfp600	0.00	0.00	0.00	1.00E+00	no
Zfp616	0.00	0.00	0.00	1.00E+00	no
Zfp641	0.00	0.00	0.00	1.00E+00	no
Zfp663	0.00	0.00	0.00	1.00E+00	no
Zfp68	16.75	15.42	0.00	1.00E+00	no
Zfp735	0.00	0.00	0.00	1.00E+00	no
Zfp804a	0.00	0.00	0.00	1.00E+00	no
Zfp804b	0.00	0.00	0.00	1.00E+00	no
Zfp872	0.00	0.00	0.00	1.00E+00	no
Zfpm2	0.00	0.00	0.00	1.00E+00	no
Zfy1	0.00	0.00	0.00	1.00E+00	no
Zfy2	0.00	0.00	0.00	1.00E+00	no
Zic1	0.00	0.00	0.00	1.00E+00	no
Zic2	0.00	0.00	0.00	1.00E+00	no
Zic3	0.00	0.00	0.00	1.00E+00	no
Zic4	0.00	0.00	0.00	1.00E+00	no
Zic5	0.00	0.00	0.00	1.00E+00	no
Zim3	0.00	0.00	0.00	1.00E+00	no
Znrf4	0.00	0.00	0.00	1.00E+00	no
Zp2	0.00	0.00	0.00	1.00E+00	no
Zp3	0.00	0.00	0.00	1.00E+00	no
Zp3r	0.00	0.00	0.00	1.00E+00	no
Zp4-ps	0.00	0.00	0.00	1.00E+00	no
Zpld1	0.00	0.00	0.00	1.00E+00	no
Zscan10	0.00	0.00	0.00	1.00E+00	no
Zscan21	14.84	15.58	0.00	1.00E+00	no
Zscan4a	0.00	0.00	0.00	1.00E+00	no
Zscan4b	0.00	0.00	0.00	1.00E+00	no
Zscan4c	0.00	0.00	0.00	1.00E+00	no
Zscan4d	0.00	0.00	0.00	1.00E+00	no
Zscan4e	0.00	0.00	0.00	1.00E+00	no
Zscan4f	0.00	0.00	0.00	1.00E+00	no
Zscan5b	0.00	0.00	0.00	1.00E+00	no
Zswim2	0.00	0.00	0.00	1.00E+00	no
Mtif2	11.91	11.91	0.00	1.00E+00	no
Zfp622	17.98	17.98	0.00	1.00E+00	no
Eml5	1.60	1.60	0.00	1.00E+00	no
lpo13	14.59	14.59	0.00	1.00E+00	no

Slc24a6	4.31	4.31	0.00	1.00E+00	no
Myo1c	61.21	61.19	0.00	1.00E+00	no
Pcdhgc5	0.48	0.48	0.00	1.00E+00	no
Chmp7	18.86	18.85	0.00	1.00E+00	no
Mut	10.38	10.37	0.00	1.00E+00	no
Naca	232.51	232.41	0.00	1.00E+00	no
Zfp458	1.13	1.12	0.00	1.00E+00	no
Zbtb26	7.96	7.95	0.00	1.00E+00	no
Rab7l1	10.50	10.49	0.00	1.00E+00	no
Spryd4	8.18	8.18	0.00	1.00E+00	no
Atf7ip	33.61	33.59	0.00	1.00E+00	no
Lonp1	30.33	30.30	0.00	1.00E+00	no
Ttll3	6.62	6.61	0.00	1.00E+00	no
A230046K03Ri	23.02	23.01	0.00	1.00E+00	no
Nab2	2.66	2.66	0.00	1.00E+00	no
Mnat1	8.31	8.30	0.00	1.00E+00	no
0610007P22Ri	13.75	13.74	0.00	1.00E+00	no
Sc5d	12.11	12.10	0.00	1.00E+00	no
Kdm2a	28.83	28.79	0.00	1.00E+00	no
2610524H06Ri	5.73	5.72	0.00	1.00E+00	no
Krt2	0.03	0.03	0.00	1.00E+00	no
Trak2	18.28	18.25	0.00	1.00E+00	no
Stx5a	34.83	34.77	0.00	1.00E+00	no
Ccm2	54.64	54.54	0.00	1.00E+00	no
Mmp17	0.53	0.53	0.00	1.00E+00	no
Rab18	27.50	27.45	0.00	1.00E+00	no
Bpnt1	5.30	5.29	0.00	1.00E+00	no
Arhgef1	86.78	86.60	0.00	1.00E+00	no
2410131K14Ri	4.10	4.09	0.00	1.00E+00	no
2310004I24Rik	10.04	10.02	0.00	1.00E+00	no
Lysmd3	8.19	8.17	0.00	1.00E+00	no
Tubgcp5	10.09	10.06	0.00	1.00E+00	no
Adipor2	31.39	31.32	0.00	1.00E+00	no
2310044H10Ri	33.41	33.34	0.00	1.00E+00	no
Ubr1	15.05	15.01	0.00	1.00E+00	no
Scnm1	21.17	21.12	0.00	1.00E+00	no
1700081L11Ril	30.29	30.22	0.00	1.00E+00	no
Synj2	3.08	3.07	0.00	1.00E+00	no
Atp13a1	25.82	25.76	0.00	1.00E+00	no
Nek9	27.12	27.05	0.00	1.00E+00	no
Pggt1b	14.61	14.58	0.00	1.00E+00	no
Aldh3a2	15.95	15.91	0.00	1.00E+00	no

Scyl2	16.93	16.89	0.00	1.00E+00	no
Sh3tc2	0.03	0.03	0.00	1.00E+00	no
Ppp1r14b	79.36	79.13	0.00	1.00E+00	no
Telo2	10.64	10.61	0.00	1.00E+00	no
Rnpc3	13.21	13.17	0.00	1.00E+00	no
Mfsd5	16.47	16.42	0.00	1.00E+00	no
Rbm45	20.40	20.34	0.00	1.00E+00	no
2410015M20R	22.92	22.85	0.00	1.00E+00	no
Osbp	23.32	23.24	0.00	1.00E+00	no
Ttc30a1	2.96	2.96	0.00	1.00E+00	no
Unc50	16.87	16.81	0.00	1.00E+00	no
Zfp324	4.62	4.61	0.00	1.00E+00	no
Mff	28.06	27.97	0.00	1.00E+00	no
Gpr125	0.58	0.58	0.00	1.00E+00	no
Cbx2	20.77	20.70	0.00	1.00E+00	no
Zdbf2	0.01	0.01	-0.01	1.00E+00	no
Gm128	0.05	0.05	-0.01	1.00E+00	no
2310011J03Ril	16.96	16.90	-0.01	1.00E+00	no
Supt3h	6.36	6.34	-0.01	1.00E+00	no
Dnajc1	10.95	10.91	-0.01	1.00E+00	no
Gosr1	15.62	15.56	-0.01	1.00E+00	no
Ubl5	38.25	38.10	-0.01	1.00E+00	no
Boc	0.02	0.02	-0.01	1.00E+00	no
Nol8	13.45	13.40	-0.01	1.00E+00	no
Tmem59	35.31	35.16	-0.01	1.00E+00	no
Nisch	41.16	40.99	-0.01	1.00E+00	no
Pppde1	14.19	14.14	-0.01	1.00E+00	no
Nus1	18.45	18.38	-0.01	1.00E+00	no
Mrpl43	28.57	28.45	-0.01	1.00E+00	no
Cpeb2	0.69	0.69	-0.01	1.00E+00	no
Sirt7	26.90	26.79	-0.01	1.00E+00	no
Rit1	5.92	5.90	-0.01	1.00E+00	no
Arhgap21	14.75	14.69	-0.01	1.00E+00	no
Gde1	16.22	16.15	-0.01	1.00E+00	no
Zfp954	8.35	8.32	-0.01	1.00E+00	no
AA388235	1.89	1.88	-0.01	1.00E+00	no
Pea15a	3.35	3.34	-0.01	1.00E+00	no
Txnl4b	6.64	6.62	-0.01	1.00E+00	no
Exoc1	16.64	16.56	-0.01	1.00E+00	no
Cdkn1b	40.68	40.50	-0.01	1.00E+00	no
Naif1	2.30	2.29	-0.01	1.00E+00	no
Lrp10	51.29	51.05	-0.01	1.00E+00	no

Zfp760	9.33	9.29	-0.01	1.00E+00	no
Upf2	16.80	16.72	-0.01	1.00E+00	no
AU015228	0.45	0.45	-0.01	1.00E+00	no
Sh3bp5	36.25	36.07	-0.01	1.00E+00	no
Tgs1	20.00	19.90	-0.01	1.00E+00	no
D1Pas1	1.44	1.43	-0.01	1.00E+00	no
Parvg	47.88	47.64	-0.01	1.00E+00	no
Gpbp1	42.58	42.36	-0.01	1.00E+00	no
Adprhl2	18.31	18.22	-0.01	1.00E+00	no
Iqcc	6.38	6.34	-0.01	1.00E+00	no
Phc2	36.59	36.41	-0.01	1.00E+00	no
Pcsk4	1.93	1.92	-0.01	1.00E+00	no
Sec31a	28.50	28.36	-0.01	1.00E+00	no
Fbxo28	7.66	7.62	-0.01	1.00E+00	no
Det1	9.96	9.91	-0.01	1.00E+00	no
Zfp940	3.24	3.22	-0.01	1.00E+00	no
Sgta	29.75	29.59	-0.01	1.00E+00	no
Meis3	0.16	0.16	-0.01	1.00E+00	no
Asna1	29.63	29.47	-0.01	1.00E+00	no
C1rb	0.19	0.18	-0.01	1.00E+00	no
Ftsjd2	24.75	24.62	-0.01	1.00E+00	no
1700030K09Ri	8.95	8.90	-0.01	1.00E+00	no
5330426P16Ri	4.11	4.08	-0.01	1.00E+00	no
Ilvbl	22.31	22.18	-0.01	1.00E+00	no
Drap1	39.17	38.96	-0.01	1.00E+00	no
B9d2	29.57	29.40	-0.01	1.00E+00	no
Sgsm2	1.63	1.62	-0.01	1.00E+00	no
Appbp2	19.78	19.67	-0.01	1.00E+00	no
Morc2a	19.67	19.56	-0.01	1.00E+00	no
Tle2	0.28	0.27	-0.01	1.00E+00	no
Dennd5a	19.77	19.65	-0.01	1.00E+00	no
Cdc26	41.05	40.80	-0.01	1.00E+00	no
1200011M11R	11.48	11.40	-0.01	1.00E+00	no
Top3b	30.44	30.24	-0.01	1.00E+00	no
Dhx33	16.18	16.08	-0.01	1.00E+00	no
Gulo	0.08	0.08	-0.01	1.00E+00	no
Laptm5	106.49	105.80	-0.01	1.00E+00	no
Arhgap30	42.85	42.57	-0.01	1.00E+00	no
Esco1	15.72	15.62	-0.01	1.00E+00	no
Kdm1a	26.95	26.77	-0.01	1.00E+00	no
Limd2	51.67	51.33	-0.01	1.00E+00	no
Pigc	5.30	5.27	-0.01	1.00E+00	no

Atp5s	6.42	6.37	-0.01	1.00E+00	no
Map3k11	22.89	22.73	-0.01	1.00E+00	no
Sbno2	15.78	15.67	-0.01	1.00E+00	no
Ccdc84	9.35	9.29	-0.01	1.00E+00	no
Usp28	8.56	8.50	-0.01	1.00E+00	no
Atpaf1	8.08	8.02	-0.01	1.00E+00	no
Ccdc66	9.19	9.12	-0.01	1.00E+00	no
Ofd1	7.50	7.44	-0.01	1.00E+00	no
Cib3	0.11	0.11	-0.01	1.00E+00	no
Mfsd2a	0.36	0.36	-0.01	1.00E+00	no
Mcat	12.65	12.55	-0.01	1.00E+00	no
Zfp160	13.04	12.94	-0.01	1.00E+00	no
Khlh36	4.67	4.64	-0.01	1.00E+00	no
Trim24	14.44	14.33	-0.01	1.00E+00	no
Zfp414	20.77	20.61	-0.01	1.00E+00	no
Prdm11	3.57	3.54	-0.01	1.00E+00	no
Pi4k2a	11.30	11.21	-0.01	1.00E+00	no
Ap4s1	11.45	11.36	-0.01	1.00E+00	no
Ube2q2	12.98	12.87	-0.01	1.00E+00	no
Suclg2	17.21	17.06	-0.01	1.00E+00	no
Gm2382	8.37	8.30	-0.01	1.00E+00	no
Dnd1	1.88	1.87	-0.01	1.00E+00	no
Rsad2	0.64	0.63	-0.01	1.00E+00	no
Ufc1	28.73	28.48	-0.01	1.00E+00	no
Sergef	5.26	5.21	-0.01	1.00E+00	no
Rnf186	0.06	0.06	-0.01	1.00E+00	no
Shfm1	55.92	55.41	-0.01	1.00E+00	no
Tmed4	20.12	19.93	-0.01	1.00E+00	no
Tmem60	14.34	14.20	-0.01	1.00E+00	no
R3hdm2	27.88	27.62	-0.01	1.00E+00	no
Emb	5.79	5.73	-0.01	1.00E+00	no
Tnfrsf4	1.79	1.77	-0.01	1.00E+00	no
Pex12	6.17	6.11	-0.01	1.00E+00	no
Rilpl1	0.95	0.94	-0.01	1.00E+00	no
Fndc4	0.03	0.03	-0.01	1.00E+00	no
Osbpl3	0.77	0.76	-0.01	1.00E+00	no
Suv420h1	26.80	26.53	-0.01	1.00E+00	no
Tnk1	0.27	0.27	-0.01	1.00E+00	no
Adat2	5.34	5.29	-0.02	1.00E+00	no
Pigg	4.75	4.70	-0.02	1.00E+00	no
Mtg1	6.87	6.79	-0.02	1.00E+00	no
Zpbp2	1.97	1.95	-0.02	1.00E+00	no

Nfx1	20.17	19.95	-0.02	1.00E+00	no
Timp2	0.39	0.38	-0.02	1.00E+00	no
Tsix	0.05	0.05	-0.02	1.00E+00	no
Tcea1	77.13	76.25	-0.02	1.00E+00	no
Gpm6b	1.72	1.70	-0.02	1.00E+00	no
Csf1r	1.15	1.14	-0.02	1.00E+00	no
Med22	14.42	14.25	-0.02	1.00E+00	no
Tssk6	1.77	1.75	-0.02	1.00E+00	no
Irf6	0.10	0.10	-0.02	1.00E+00	no
Smox	0.89	0.88	-0.02	1.00E+00	no
Slc16a9	0.03	0.02	-0.02	1.00E+00	no
Specc1l	17.26	17.01	-0.02	1.00E+00	no
Ptgir	0.18	0.18	-0.02	1.00E+00	no
Etv1	0.23	0.22	-0.02	1.00E+00	no
Aste1	6.43	6.33	-0.02	1.00E+00	no
Lrrc56	1.59	1.56	-0.02	1.00E+00	no
AI316807	8.92	8.78	-0.02	1.00E+00	no
Pemt	1.59	1.56	-0.02	1.00E+00	no
Doc2g	1.21	1.19	-0.02	1.00E+00	no
Emr1	0.41	0.41	-0.02	1.00E+00	no
BC018242	0.24	0.24	-0.03	1.00E+00	no
Ube3a	25.83	25.36	-0.03	1.00E+00	no
Tex15	0.02	0.02	-0.03	1.00E+00	no
Lrrfip2	6.21	6.09	-0.03	1.00E+00	no
0610038B21Ri	0.47	0.46	-0.03	1.00E+00	no
Palld	0.02	0.02	-0.03	1.00E+00	no
Aamp	32.49	31.85	-0.03	1.00E+00	no
Tnpo2	29.08	28.50	-0.03	1.00E+00	no
Ddit4l	0.03	0.03	-0.03	1.00E+00	no
Gabpb1	40.86	40.02	-0.03	1.00E+00	no
2810429I04Rik	0.80	0.78	-0.03	1.00E+00	no
Anxa3	0.35	0.34	-0.03	1.00E+00	no
Mylip	33.67	32.97	-0.03	1.00E+00	no
Lefty2	0.08	0.08	-0.03	1.00E+00	no
BC065397	1.91	1.87	-0.03	1.00E+00	no
Prkcz	2.03	1.98	-0.04	1.00E+00	no
Dnlz	13.00	12.67	-0.04	1.00E+00	no
Fam171a2	0.02	0.02	-0.04	1.00E+00	no
Serpina3j	0.02	0.02	-0.04	1.00E+00	no
Mpst	24.19	23.55	-0.04	1.00E+00	no
Ttc4	19.29	18.77	-0.04	1.00E+00	no
Iqck	0.35	0.34	-0.04	1.00E+00	no

Lnx1	2.20	2.14	-0.04	1.00E+00	no
Rhbdf2	13.35	12.95	-0.04	1.00E+00	no
Lgtn	21.88	21.22	-0.04	1.00E+00	no
Oas1f	0.09	0.09	-0.04	1.00E+00	no
Gm14431	0.18	0.18	-0.04	1.00E+00	no
Ctsk	0.16	0.15	-0.05	1.00E+00	no
Sds	0.16	0.16	-0.05	1.00E+00	no
Gm4984	0.36	0.34	-0.05	1.00E+00	no
Rabgef1	7.41	7.18	-0.05	1.00E+00	no
4933407C03Ri	32.74	31.71	-0.05	1.00E+00	no
Chst7	0.07	0.07	-0.05	1.00E+00	no
Rmrp	0.29	0.28	-0.05	1.00E+00	no
Rhbdd1	6.98	6.76	-0.05	1.00E+00	no
Mtx1	17.51	16.95	-0.05	1.00E+00	no
Mipol1	0.94	0.91	-0.05	1.00E+00	no
Vwce	0.04	0.04	-0.05	1.00E+00	no
Mrvi1	1.79	1.73	-0.05	1.00E+00	no
Gm5972	0.18	0.18	-0.05	1.00E+00	no
Cdadcl1	13.99	13.50	-0.05	1.00E+00	no
Pex7	12.72	12.27	-0.05	1.00E+00	no
Rbms2	10.76	10.38	-0.05	1.00E+00	no
Sod3	0.03	0.03	-0.05	1.00E+00	no
Glrx2	6.69	6.44	-0.05	1.00E+00	no
Lmna	0.68	0.65	-0.05	1.00E+00	no
Cdk19	39.61	38.16	-0.05	1.00E+00	no
Dapk3	14.88	14.33	-0.05	1.00E+00	no
Ppp2r5b	5.56	5.35	-0.05	1.00E+00	no
Hist1h4c	0.99	0.95	-0.05	1.00E+00	no
Rpgr	8.24	7.93	-0.06	1.00E+00	no
Gipr	0.04	0.04	-0.06	1.00E+00	no
Dync1i2	34.87	33.55	-0.06	1.00E+00	no
Bves	0.07	0.07	-0.06	1.00E+00	no
Stk40	16.01	15.39	-0.06	1.00E+00	no
Tgfa	0.03	0.03	-0.06	1.00E+00	no
Dlx1as	0.28	0.27	-0.06	1.00E+00	no
lqcg	0.74	0.71	-0.06	1.00E+00	no
Mrps33	40.43	38.79	-0.06	1.00E+00	no
Zfp84	10.78	10.34	-0.06	1.00E+00	no
Ccr3	0.07	0.07	-0.06	1.00E+00	no
Cxcl9	0.03	0.03	-0.06	1.00E+00	no
Lix1	0.03	0.03	-0.06	1.00E+00	no
Pank3	19.44	18.63	-0.06	1.00E+00	no

Dctn1	27.73	26.55	-0.06	1.00E+00	no
Pdcd6ip	34.45	32.99	-0.06	1.00E+00	no
Idh1	7.70	7.37	-0.06	1.00E+00	no
Cldn20	1.10	1.05	-0.06	1.00E+00	no
1700109H08Ri	2.81	2.68	-0.06	1.00E+00	no
Gnb1l	2.54	2.43	-0.06	1.00E+00	no
Dnajc19	15.70	15.01	-0.06	1.00E+00	no
Gpx4	59.47	56.83	-0.07	1.00E+00	no
Acbd7	0.14	0.13	-0.07	1.00E+00	no
Dusp26	0.04	0.04	-0.07	1.00E+00	no
Rab23	3.48	3.32	-0.07	1.00E+00	no
Add1	45.68	43.64	-0.07	1.00E+00	no
Usp47	20.68	19.75	-0.07	1.00E+00	no
1110057K04Ri	20.55	19.62	-0.07	1.00E+00	no
Actr5	11.91	11.36	-0.07	1.00E+00	no
Pla2g4f	0.02	0.02	-0.07	1.00E+00	no
Itsn2	29.33	27.92	-0.07	1.00E+00	no
Huwe1	44.00	41.85	-0.07	1.00E+00	no
Mrpl48	25.70	24.44	-0.07	1.00E+00	no
A130010J15Ril	5.07	4.82	-0.07	1.00E+00	no
Ppm1m	18.11	17.22	-0.07	1.00E+00	no
Rnmt	12.87	12.23	-0.07	1.00E+00	no
BC021614	0.11	0.10	-0.07	1.00E+00	no
H13	33.52	31.85	-0.07	1.00E+00	no
Sorbs1	3.45	3.28	-0.07	1.00E+00	no
Ifi27l2b	0.12	0.11	-0.07	1.00E+00	no
Rtn1	0.05	0.05	-0.07	1.00E+00	no
Ppfia1	19.68	18.64	-0.08	1.00E+00	no
Ugp2	15.05	14.25	-0.08	1.00E+00	no
Ptrf	0.02	0.02	-0.08	1.00E+00	no
Gm12359	2.05	1.94	-0.08	1.00E+00	no
Btbd6	8.83	8.34	-0.08	1.00E+00	no
Purg	2.79	2.63	-0.09	1.00E+00	no
Tmem33	14.71	13.86	-0.09	1.00E+00	no
Ralbp1	37.15	34.99	-0.09	1.00E+00	no
Crem	5.50	5.18	-0.09	1.00E+00	no
Clec1b	0.06	0.06	-0.09	1.00E+00	no
Psmc10	15.67	14.74	-0.09	1.00E+00	no
Lrrn2	0.02	0.02	-0.09	1.00E+00	no
Map2k4	16.14	15.17	-0.09	1.00E+00	no
Btf3	131.98	123.97	-0.09	1.00E+00	no
Pcdhga6	0.26	0.24	-0.09	1.00E+00	no

Bre	23.19	21.76	-0.09	1.00E+00	no
Mtmr7	0.27	0.25	-0.09	1.00E+00	no
U05342,Zfp91	0.24	0.22	-0.09	1.00E+00	no
Pdlim5	6.37	5.97	-0.09	1.00E+00	no
Dnahc10	0.01	0.01	-0.09	1.00E+00	no
Il1rap	4.29	4.02	-0.10	1.00E+00	no
1700034H14Ri	16.51	15.45	-0.10	1.00E+00	no
Tekt5	0.06	0.05	-0.10	1.00E+00	no
Wdr37	17.82	16.65	-0.10	1.00E+00	no
Pex11b	19.46	18.18	-0.10	1.00E+00	no
Ola1	34.95	32.64	-0.10	1.00E+00	no
Rrbp1	16.67	15.56	-0.10	1.00E+00	no
Chchd7	19.97	18.64	-0.10	1.00E+00	no
Nrp	1.51	1.41	-0.10	1.00E+00	no
Homer3	14.42	13.45	-0.10	1.00E+00	no
Pex19	19.80	18.45	-0.10	1.00E+00	no
Ash2l	27.48	25.60	-0.10	1.00E+00	no
Aebp2	26.17	24.34	-0.10	1.00E+00	no
Nt5c2	39.53	36.75	-0.11	1.00E+00	no
Olfml2a	0.03	0.03	-0.11	1.00E+00	no
Ate1	15.46	14.36	-0.11	1.00E+00	no
Spna2	34.16	31.71	-0.11	1.00E+00	no
Cep97	13.07	12.12	-0.11	1.00E+00	no
Dnm1l	27.33	25.33	-0.11	1.00E+00	no
Col4a1	0.01	0.01	-0.11	1.00E+00	no
Grhl3	0.02	0.02	-0.11	1.00E+00	no
Golph3l	24.62	22.79	-0.11	1.00E+00	no
1110001A16Ri	5.02	4.64	-0.11	1.00E+00	no
Vamp5	6.52	6.03	-0.11	1.00E+00	no
1810006K21Ri	51.64	47.77	-0.11	1.00E+00	no
Ccdc55	10.63	9.82	-0.11	1.00E+00	no
1700112E06Ri	0.08	0.08	-0.12	1.00E+00	no
Cerkl	1.03	0.95	-0.12	1.00E+00	no
Asph	1.72	1.59	-0.12	1.00E+00	no
Nt5c3l	26.15	24.11	-0.12	1.00E+00	no
2810002N01Ri	19.75	18.19	-0.12	1.00E+00	no
Ttc28	1.89	1.74	-0.12	1.00E+00	no
Gng3	0.71	0.65	-0.12	1.00E+00	no
Cep170	19.00	17.49	-0.12	1.00E+00	no
0610039K10Ri	4.20	3.87	-0.12	1.00E+00	no
Ecm2	0.22	0.20	-0.12	1.00E+00	no
Pnpla3	0.02	0.02	-0.12	1.00E+00	no

Arl2bp	44.96	41.30	-0.12	1.00E+00	no
Slc24a1	0.01	0.01	-0.12	1.00E+00	no
Mpp4	0.10	0.09	-0.13	1.00E+00	no
Ttc14	24.62	22.56	-0.13	1.00E+00	no
EU599041	0.06	0.06	-0.13	1.00E+00	no
Rcan1	4.93	4.51	-0.13	1.00E+00	no
0610007P08Ri	11.13	10.19	-0.13	1.00E+00	no
Copz2	0.08	0.07	-0.13	1.00E+00	no
1110034B05Ri	6.65	6.09	-0.13	1.00E+00	no
1190007F08Ri	0.08	0.07	-0.13	1.00E+00	no
Gpr30	0.16	0.14	-0.13	1.00E+00	no
Fam50b	0.05	0.05	-0.13	1.00E+00	no
Trps1	2.72	2.48	-0.13	1.00E+00	no
Gm5072	0.07	0.06	-0.13	1.00E+00	no
Magi1	0.23	0.21	-0.13	1.00E+00	no
Snrpn	0.04	0.04	-0.14	1.00E+00	no
Pcgf2	1.95	1.77	-0.14	1.00E+00	no
Col12a1	0.01	0.01	-0.14	1.00E+00	no
2610101N10Ri	27.00	24.53	-0.14	1.00E+00	no
Dcaf17	8.37	7.60	-0.14	1.00E+00	no
Tmprss2	0.03	0.02	-0.14	1.00E+00	no
Pop1	9.24	8.38	-0.14	1.00E+00	no
Rpl35	228.09	206.72	-0.14	1.00E+00	no
Lck	34.88	31.60	-0.14	1.00E+00	no
Tiam1	14.07	12.73	-0.14	1.00E+00	no
Csrp2bp	22.14	20.02	-0.14	1.00E+00	no
Pus1	24.16	21.80	-0.15	1.00E+00	no
Fau	612.50	552.12	-0.15	1.00E+00	no
Copg	25.71	23.17	-0.15	1.00E+00	no
Fars2	9.86	8.88	-0.15	1.00E+00	no
Txnl4a	62.09	55.88	-0.15	1.00E+00	no
Zkscan1	9.31	8.37	-0.16	1.00E+00	no
Pigk	8.59	7.71	-0.16	1.00E+00	no
Eif3a	68.42	61.35	-0.16	1.00E+00	no
Tsnax	30.37	27.23	-0.16	1.00E+00	no
Slco3a1	1.54	1.38	-0.16	1.00E+00	no
Bcat1	11.45	10.25	-0.16	1.00E+00	no
Ppm1b	42.48	38.03	-0.16	1.00E+00	no
Gm6649	1.41	1.26	-0.16	1.00E+00	no
Timm22	12.11	10.84	-0.16	1.00E+00	no
2310014H01Ri	68.80	61.56	-0.16	1.00E+00	no
Fam118b	13.20	11.78	-0.16	1.00E+00	no

0610010K14Ri	45.73	40.83	-0.16	1.00E+00	no
Prss8	0.02	0.02	-0.16	1.00E+00	no
Ctdsp1	43.11	38.44	-0.17	1.00E+00	no
Pafah1b1	53.57	47.75	-0.17	1.00E+00	no
Phf14	27.73	24.72	-0.17	1.00E+00	no
Nfyc	37.93	33.81	-0.17	1.00E+00	no
Nsun6	4.99	4.45	-0.17	1.00E+00	no
Fcgbp	0.01	0.00	-0.17	1.00E+00	no
Dbi	45.35	40.35	-0.17	1.00E+00	no
Dos	2.39	2.13	-0.17	1.00E+00	no
Syce1l	0.04	0.04	-0.17	1.00E+00	no
Wiz	23.41	20.81	-0.17	1.00E+00	no
Smad5	25.83	22.96	-0.17	1.00E+00	no
Psd3	3.29	2.93	-0.17	1.00E+00	no
Snx27	21.48	19.06	-0.17	1.00E+00	no
Ghitm	45.51	40.38	-0.17	1.00E+00	no
Pde4b	32.00	28.37	-0.17	1.00E+00	no
Prpf31	21.39	18.96	-0.17	1.00E+00	no
Dcun1d2	8.58	7.60	-0.17	1.00E+00	no
Dusp19	6.87	6.08	-0.18	1.00E+00	no
Ercc1	11.64	10.29	-0.18	1.00E+00	no
Dars	39.49	34.92	-0.18	1.00E+00	no
G3bp2	53.33	47.12	-0.18	1.00E+00	no
Fndc3b	2.16	1.91	-0.18	1.00E+00	no
Plekha6	0.14	0.13	-0.18	1.00E+00	no
Ankrd40	29.48	26.01	-0.18	1.00E+00	no
Tasp1	4.68	4.13	-0.18	1.00E+00	no
Polr3e	10.70	9.43	-0.18	1.00E+00	no
Pilra	0.17	0.15	-0.18	1.00E+00	no
Ablim1	63.67	56.05	-0.18	1.00E+00	no
Gphn	14.87	13.09	-0.18	1.00E+00	no
Mark2	34.94	30.73	-0.19	1.00E+00	no
Phf8	17.90	15.74	-0.19	1.00E+00	no
Wdr82	40.20	35.34	-0.19	1.00E+00	no
Ppp2r5c	59.54	52.34	-0.19	1.00E+00	no
Rcl1	18.08	15.87	-0.19	1.00E+00	no
Lins	3.07	2.69	-0.19	1.00E+00	no
Gm3258	35.68	31.25	-0.19	1.00E+00	no
Pnkd	17.92	15.67	-0.19	1.00E+00	no
Dnajb6	33.72	29.48	-0.19	1.00E+00	no
Zc3h14	37.42	32.71	-0.19	1.00E+00	no
Dis3l	11.24	9.82	-0.19	1.00E+00	no

Prepl	10.46	9.14	-0.19	1.00E+00	no
Lims1	28.40	24.80	-0.20	1.00E+00	no
Dusp16	4.74	4.13	-0.20	1.00E+00	no
Vav1	39.32	34.27	-0.20	1.00E+00	no
Cul4b	28.43	24.78	-0.20	1.00E+00	no
Syce2	14.55	12.68	-0.20	1.00E+00	no
9330182L06Ri	0.22	0.19	-0.20	1.00E+00	no
Fytd1	17.90	15.53	-0.20	1.00E+00	no
Rpl13	6.84	5.93	-0.21	1.00E+00	no
Acbd5	13.57	11.76	-0.21	1.00E+00	no
Otud7b	11.28	9.77	-0.21	1.00E+00	no
1700019G17Ri	2.46	2.13	-0.21	1.00E+00	no
Kcnh3	0.01	0.01	-0.21	1.00E+00	no
Klhl15	4.77	4.13	-0.21	1.00E+00	no
2210009G21Ri	8.62	7.46	-0.21	1.00E+00	no
6430562O15Ri	0.24	0.21	-0.21	1.00E+00	no
Esrrb	0.32	0.28	-0.22	1.00E+00	no
Hadhb	41.34	35.56	-0.22	1.00E+00	no
D14Abb1e	22.20	19.09	-0.22	1.00E+00	no
Pigu	21.04	18.09	-0.22	1.00E+00	no
2310022A10Ri	16.92	14.53	-0.22	1.00E+00	no
Cflar	19.53	16.77	-0.22	1.00E+00	no
R3hdm1	27.96	23.99	-0.22	1.00E+00	no
Hbs1l	42.24	36.21	-0.22	1.00E+00	no
Ccnc	12.78	10.94	-0.22	1.00E+00	no
Trpc2	10.44	8.94	-0.22	1.00E+00	no
Wdr33	27.16	23.22	-0.23	1.00E+00	no
Romo1	46.49	39.73	-0.23	1.00E+00	no
Copz1	50.14	42.82	-0.23	1.00E+00	no
Ctage5	19.86	16.95	-0.23	1.00E+00	no
Brd4	48.85	41.67	-0.23	1.00E+00	no
Prkag2	8.16	6.96	-0.23	1.00E+00	no
Slc25a14	3.61	3.08	-0.23	1.00E+00	no
A230073K19Ri	0.24	0.20	-0.23	1.00E+00	no
Zmym3	17.49	14.89	-0.23	1.00E+00	no
Sap25	6.12	5.20	-0.23	1.00E+00	no
Pdss2	5.26	4.47	-0.24	1.00E+00	no
Suds3	31.00	26.31	-0.24	1.00E+00	no
Snx7	0.47	0.40	-0.24	1.00E+00	no
Arf1	148.05	125.58	-0.24	1.00E+00	no
2-Sep	51.93	44.02	-0.24	1.00E+00	no
Mapk6	29.11	24.67	-0.24	1.00E+00	no

Brdt	0.91	0.77	-0.24	1.00E+00	no
Lrrc14b	0.92	0.78	-0.24	1.00E+00	no
Mrps2	21.01	17.78	-0.24	1.00E+00	no
Hnrnpa1	23.09	19.53	-0.24	1.00E+00	no
Pxk	26.22	22.17	-0.24	1.00E+00	no
Ndufs5	50.72	42.86	-0.24	1.00E+00	no
Smg7	35.48	29.86	-0.25	1.00E+00	no
Atp5c1	92.42	77.75	-0.25	1.00E+00	no
BC002163	40.68	34.22	-0.25	1.00E+00	no
Inpp5b	13.53	11.37	-0.25	1.00E+00	no
Tor1aip1	32.61	27.39	-0.25	1.00E+00	no
Rmi1	17.34	14.56	-0.25	1.00E+00	no
Fiz1	25.15	21.12	-0.25	1.00E+00	no
Mpp7	4.80	4.03	-0.25	1.00E+00	no
Rnu7	1.32	1.11	-0.25	1.00E+00	no
Rpl30	9.87	8.27	-0.25	1.00E+00	no
Pfkfb3	40.52	33.92	-0.26	1.00E+00	no
H2-Ke2	45.91	38.39	-0.26	1.00E+00	no
Dnajc24	8.58	7.17	-0.26	1.00E+00	no
Arhgef17	0.34	0.28	-0.26	1.00E+00	no
Polr2b	36.67	30.57	-0.26	1.00E+00	no
Eif4enif1	35.26	29.36	-0.26	1.00E+00	no
Gjc2	0.38	0.32	-0.26	1.00E+00	no
Lrrc57	8.65	7.20	-0.26	1.00E+00	no
Snx22	1.82	1.52	-0.27	1.00E+00	no
BC003331	10.77	8.96	-0.27	1.00E+00	no
Arpc4	78.43	65.20	-0.27	1.00E+00	no
Cdk17	22.43	18.64	-0.27	1.00E+00	no
Rapgef1	33.35	27.69	-0.27	1.00E+00	no
Akt1	64.59	53.49	-0.27	1.00E+00	no
Pi4k2b	8.47	7.00	-0.28	1.00E+00	no
Zfp385c	0.03	0.03	-0.28	1.00E+00	no
Tmem93	29.70	24.51	-0.28	1.00E+00	no
Eya3	21.51	17.70	-0.28	1.00E+00	no
P2rx7	0.62	0.51	-0.28	1.00E+00	no
Nrf1	32.23	26.46	-0.28	1.00E+00	no
Fam116a	21.18	17.38	-0.29	1.00E+00	no
Csf1	2.30	1.89	-0.29	1.00E+00	no
Dhx15	83.07	68.07	-0.29	1.00E+00	no
Lrba	9.21	7.54	-0.29	1.00E+00	no
Smarcc2	48.61	39.71	-0.29	1.00E+00	no
Wdr36	27.82	22.70	-0.29	1.00E+00	no

Spag7	24.94	20.33	-0.30	1.00E+00	no
Pja1	8.46	6.90	-0.30	1.00E+00	no
Ece2	11.30	9.19	-0.30	1.00E+00	no
Aimp2	28.68	23.34	-0.30	1.00E+00	no
Caprin1	106.96	86.88	-0.30	1.00E+00	no
Nol9	24.00	19.44	-0.30	1.00E+00	no
E130317F20Ril	2.02	1.64	-0.30	1.00E+00	no
Apoo	10.32	8.35	-0.31	1.00E+00	no
Dctd	8.78	7.11	-0.31	1.00E+00	no
Zfp2	1.31	1.06	-0.31	1.00E+00	no
Pvrl2	0.22	0.18	-0.31	1.00E+00	no
Cstf3	26.03	21.03	-0.31	1.00E+00	no
Seh1l	38.01	30.70	-0.31	1.00E+00	no
Mpp6	23.02	18.58	-0.31	1.00E+00	no
Cd163	0.32	0.26	-0.31	1.00E+00	no
Dclre1b	11.40	9.18	-0.31	1.00E+00	no
Ndr3	16.81	13.50	-0.32	1.00E+00	no
Smg6	23.03	18.49	-0.32	1.00E+00	no
Nploc4	24.80	19.83	-0.32	1.00E+00	no
Rgs12	16.86	13.48	-0.32	1.00E+00	no
Fnbp1l	2.86	2.28	-0.32	1.00E+00	no
Tssk4	2.89	2.30	-0.33	1.00E+00	no
Trmt2b	19.87	15.85	-0.33	1.00E+00	no
Pigw	6.38	5.09	-0.33	1.00E+00	no
Rbm10	33.42	26.64	-0.33	1.00E+00	no
Gm2518	0.40	0.32	-0.33	1.00E+00	no
Nme7	13.46	10.71	-0.33	1.00E+00	no
Nsmce2	22.44	17.85	-0.33	1.00E+00	no
Lpar5	5.00	3.98	-0.33	1.00E+00	no
Arhgef10l	0.30	0.24	-0.33	1.00E+00	no
Bnip2	49.03	38.88	-0.33	1.00E+00	no
Tcf7	23.94	18.98	-0.33	1.00E+00	no
Nup62-il4i1	2.40	1.89	-0.35	1.00E+00	no
Tpm1	15.52	12.18	-0.35	1.00E+00	no
Dtwd2	2.27	1.78	-0.35	1.00E+00	no
Prr5l	0.20	0.16	-0.35	1.00E+00	no
5730419I09Rik	37.69	29.52	-0.35	1.00E+00	no
Ctbp1	98.45	76.98	-0.36	1.00E+00	no
Fitm2	3.09	2.41	-0.36	1.00E+00	no
Nxt1	38.03	29.68	-0.36	1.00E+00	no
Cdyl	8.87	6.92	-0.36	1.00E+00	no
Tmem70	21.78	16.99	-0.36	1.00E+00	no

Raet1d	1.22	0.95	-0.36	1.00E+00	no
Fgf13	12.75	9.90	-0.37	1.00E+00	no
Fam134b	24.01	18.64	-0.37	1.00E+00	no
Magi3	6.67	5.16	-0.37	1.00E+00	no
Usp2	2.52	1.95	-0.37	1.00E+00	no
Rtn3	66.49	51.44	-0.37	1.00E+00	no
Scmh1	25.33	19.58	-0.37	1.00E+00	no
Kif2a	24.88	19.22	-0.37	1.00E+00	no
B020018G12Ri	17.91	13.83	-0.37	1.00E+00	no
Casp9	7.07	5.45	-0.38	1.00E+00	no
Usp14	22.56	17.37	-0.38	1.00E+00	no
Tfpi	6.61	5.08	-0.38	1.00E+00	no
Smpd4	26.83	20.59	-0.38	1.00E+00	no
Ptbp1	165.14	126.62	-0.38	1.00E+00	no
Fam118a	8.20	6.28	-0.38	1.00E+00	no
Tomm5	60.91	46.63	-0.39	1.00E+00	no
Bcl2	3.50	2.67	-0.39	1.00E+00	no
Smc4	91.36	69.78	-0.39	1.00E+00	no
Dpy30	44.54	34.01	-0.39	1.00E+00	no
Gnas	225.31	172.04	-0.39	1.00E+00	no
A130049A11Ri	1.37	1.04	-0.39	1.00E+00	no
Prkd3	34.97	26.66	-0.39	1.00E+00	no
Eif4a1	299.04	227.97	-0.39	1.00E+00	no
Tssc4	30.49	23.21	-0.39	1.00E+00	no
Rdx	51.66	39.31	-0.39	1.00E+00	no
D330050I16Ril	1.28	0.97	-0.40	1.00E+00	no
Msr1	0.26	0.19	-0.40	1.00E+00	no
Hmbs	17.14	12.92	-0.41	1.00E+00	no
Med8	19.34	14.57	-0.41	1.00E+00	no
Slc25a25	9.67	7.27	-0.41	1.00E+00	no
Morf4l2	99.48	74.80	-0.41	1.00E+00	no
Larp7	40.79	30.63	-0.41	1.00E+00	no
Txndc11	32.83	24.64	-0.41	1.00E+00	no
Otub2	45.95	34.39	-0.42	1.00E+00	no
Col7a1	0.36	0.27	-0.42	1.00E+00	no
Tardbp	99.29	74.19	-0.42	1.00E+00	no
Nol11	20.40	15.23	-0.42	1.00E+00	no
Sfmbt1	11.79	8.78	-0.43	1.00E+00	no
2810006K23Ri	9.19	6.84	-0.43	1.00E+00	no
Pcdhga9	0.59	0.44	-0.43	1.00E+00	no
Dap3	13.16	9.79	-0.43	1.00E+00	no
Mrpl1	9.17	6.81	-0.43	1.00E+00	no

Itns1	1.54	1.15	-0.43	1.00E+00	no
BC005764	8.09	6.01	-0.43	1.00E+00	no
6430550D23Ri	0.55	0.41	-0.43	1.00E+00	no
Banf1	115.51	85.58	-0.43	1.00E+00	no
Pacsin2	27.41	20.29	-0.43	1.00E+00	no
Eif5a	419.10	309.96	-0.44	1.00E+00	no
Lmln	1.70	1.25	-0.44	1.00E+00	no
Epb4.1	23.13	17.01	-0.44	1.00E+00	no
C530005A16Ri	1.35	0.99	-0.45	1.00E+00	no
Alkbh7	9.62	7.03	-0.45	1.00E+00	no
Gtf2a1	15.60	11.36	-0.46	1.00E+00	no
St8sia4	38.86	28.20	-0.46	1.00E+00	no
Kbtbd8	5.37	3.89	-0.47	1.00E+00	no
Pvr13	1.47	1.06	-0.47	1.00E+00	no
Fancb	8.12	5.87	-0.47	1.00E+00	no
Ramp1	19.22	13.88	-0.47	1.00E+00	no
Kcnrg	2.59	1.87	-0.47	1.00E+00	no
Ppih	19.72	14.20	-0.47	1.00E+00	no
Nup35	7.27	5.23	-0.47	1.00E+00	no
Asap2	2.56	1.84	-0.48	1.00E+00	no
5730494M16R	7.86	5.64	-0.48	1.00E+00	no
Rpa1	60.78	43.53	-0.48	1.00E+00	no
Tufm	64.39	46.08	-0.48	1.00E+00	no
Gngt2	30.59	21.84	-0.49	1.00E+00	no
Bcl2l11	13.81	9.85	-0.49	1.00E+00	no
Haus6	20.18	14.33	-0.49	1.00E+00	no
Nol10	11.75	8.34	-0.50	1.00E+00	no
Exosc1	19.36	13.68	-0.50	1.00E+00	no
Nde1	59.01	41.61	-0.50	1.00E+00	no
Pacsin3	0.54	0.38	-0.51	1.00E+00	no
Dnaja1	39.52	27.66	-0.51	1.00E+00	no
Orc2	26.43	18.42	-0.52	1.00E+00	no
Egfl7	13.45	9.35	-0.52	1.00E+00	no
1700040I03Rik	14.59	10.11	-0.53	1.00E+00	no
Ldha	88.91	61.54	-0.53	1.00E+00	no
Gtf2e2	28.20	19.46	-0.54	1.00E+00	no
Dnmt1	99.10	68.19	-0.54	1.00E+00	no
Gpr19	5.00	3.43	-0.54	1.00E+00	no
Camta1	4.50	3.08	-0.55	1.00E+00	no
Eif4e	48.05	32.89	-0.55	1.00E+00	no
Odf2	51.43	35.04	-0.55	1.00E+00	no
Taf7	13.52	9.19	-0.56	1.00E+00	no

Col27a1	4.85	3.30	-0.56	1.00E+00	no
Lin9	17.79	12.08	-0.56	1.00E+00	no
Npff	5.34	3.62	-0.56	1.00E+00	no
Cacna1d	0.38	0.26	-0.56	1.00E+00	no
Dbndd2	0.96	0.65	-0.56	1.00E+00	no
Ncapd2	91.20	61.57	-0.57	1.00E+00	no
Pabpc4	21.86	14.70	-0.57	1.00E+00	no
Nedd4l	5.72	3.84	-0.57	1.00E+00	no
Rnls	3.55	2.36	-0.59	1.00E+00	no
Tpst1	15.32	10.19	-0.59	1.00E+00	no
Gins1	33.85	22.49	-0.59	1.00E+00	no
Fam33a	38.13	25.25	-0.59	1.00E+00	no
Mdk	1.34	0.89	-0.60	1.00E+00	no
Skap1	2.37	1.56	-0.60	1.00E+00	no
Agtppbp1	10.86	7.15	-0.60	1.00E+00	no
Nxt2	7.88	5.18	-0.60	1.00E+00	no
Nptxr	0.16	0.10	-0.62	1.00E+00	no
Xylb	2.36	1.53	-0.62	1.00E+00	no
B230206H07Ri	0.23	0.15	-0.63	1.00E+00	no
1700029G01Ri	0.15	0.10	-0.63	1.00E+00	no
Lig1	66.81	43.10	-0.63	1.00E+00	no
Ffar2	0.52	0.34	-0.63	1.00E+00	no
Tnfaip8	31.41	20.18	-0.64	1.00E+00	no
Cdkn1a	24.00	15.22	-0.66	1.00E+00	no
Islr2	0.48	0.31	-0.66	1.00E+00	no
Samd4	0.10	0.07	-0.68	1.00E+00	no
Tmpo	219.79	137.56	-0.68	1.00E+00	no
Tmem194	17.55	10.96	-0.68	1.00E+00	no
Cenpp	15.54	9.61	-0.69	1.00E+00	no
Btbd11	0.32	0.20	-0.69	1.00E+00	no
Zfp318	4.71	2.90	-0.70	1.00E+00	no
Prom1	0.31	0.19	-0.71	1.00E+00	no
Scin	2.86	1.75	-0.71	1.00E+00	no
Pdlim7	6.14	3.74	-0.71	1.00E+00	no
Chn1	0.07	0.04	-0.71	1.00E+00	no
Steap3	17.71	10.75	-0.72	1.00E+00	no
Rpl18a	2.40	1.45	-0.73	1.00E+00	no
Fmnl1	56.25	33.97	-0.73	1.00E+00	no
Whrn	5.60	3.38	-0.73	1.00E+00	no
Gm10857	2.62	1.57	-0.74	1.00E+00	no
Rassf4	5.06	3.02	-0.74	1.00E+00	no
BC024582	0.64	0.38	-0.75	1.00E+00	no

Mtl5	1.04	0.62	-0.75	1.00E+00	no
Blm	23.00	13.62	-0.76	1.00E+00	no
Atl2	36.40	21.54	-0.76	1.00E+00	no
Ect2	42.80	25.26	-0.76	1.00E+00	no
Cnp	104.93	61.52	-0.77	1.00E+00	no
G2e3	26.18	15.35	-0.77	1.00E+00	no
Ptprj	14.67	8.50	-0.79	1.00E+00	no
Plekhg1	0.27	0.15	-0.80	1.00E+00	no
Kif20a	46.88	26.60	-0.82	1.00E+00	no
Pcdhgc3	3.14	1.78	-0.82	1.00E+00	no
Pmch	1.61	0.89	-0.85	1.00E+00	no
Ddah2	26.56	14.66	-0.86	1.00E+00	no
Gm13308	0.19	0.10	-0.87	1.00E+00	no
Slc16a10	3.99	2.18	-0.87	1.00E+00	no
9430060I03Rik	0.29	0.16	-0.87	1.00E+00	no
Masp2	0.11	0.06	-0.88	1.00E+00	no
Mapre2	23.64	12.80	-0.89	1.00E+00	no
Cdc6	22.92	12.38	-0.89	1.00E+00	no
Hist1h2be	0.68	0.36	-0.91	1.00E+00	no
3110009E18Ri	4.60	2.43	-0.92	1.00E+00	no
Fhl1	0.37	0.19	-0.92	1.00E+00	no
Sumo2	7.89	4.14	-0.93	1.00E+00	no
Cntf	3.82	2.00	-0.93	1.00E+00	no
Ctbp2	1.35	0.70	-0.95	1.00E+00	no
Map3k15	1.04	0.54	-0.95	1.00E+00	no
Myadm	12.42	6.41	-0.95	1.00E+00	no
Itgae	0.52	0.27	-0.96	1.00E+00	no
Myom1	0.12	0.06	-0.97	1.00E+00	no
Sema6b	0.34	0.17	-0.99	1.00E+00	no
Sypl	18.39	9.09	-1.02	1.00E+00	no
Kctd14	1.44	0.70	-1.04	1.00E+00	no
Gpr77	0.31	0.15	-1.04	1.00E+00	no
Acot7	19.96	9.57	-1.06	1.00E+00	no
Cd44	26.52	12.43	-1.09	1.00E+00	no
Pcdhgc4	2.17	0.99	-1.13	1.00E+00	no
Sgms1	14.80	6.54	-1.18	1.00E+00	no
Endou	11.28	4.99	-1.18	1.00E+00	no
Kbtbd12	0.58	0.26	-1.18	1.00E+00	no
Grip1	0.09	0.04	-1.21	1.00E+00	no
Tnnt2	4.35	1.87	-1.22	1.00E+00	no
Gpr155	11.85	5.04	-1.24	1.00E+00	no
Spata17	0.23	0.10	-1.24	1.00E+00	no

Epb4.1l5	4.71	1.99	-1.24	1.00E+00	no
Atp6v1c2	0.10	0.04	-1.31	1.00E+00	no
4933409K07Ri	0.03	0.01	-1.37	1.00E+00	no
Mlf1	1.09	0.42	-1.38	1.00E+00	no
10-Sep	3.26	1.20	-1.45	1.00E+00	no
Rbpms	16.84	6.11	-1.46	1.00E+00	no
St3gal5	5.64	2.03	-1.47	1.00E+00	no
Ddc	6.62	2.35	-1.50	1.00E+00	no
Fam70a	5.62	1.98	-1.50	1.00E+00	no
Eaf2	3.37	1.15	-1.55	1.00E+00	no
Gm13476	11.26	3.76	-1.58	1.00E+00	no
Ret	0.57	0.16	-1.85	1.00E+00	no
Itga9	2.79	0.75	-1.90	1.00E+00	no
Ogn	0.14	0.03	-2.07	1.00E+00	no
Npcd	0.28	0.06	-2.31	1.00E+00	no
Pcdhb12	0.05	0.01	-2.38	1.00E+00	no
Gm9846	1.65	0.01	-7.12	1.00E+00	no