Supplementary Table 1. Differentially expressed (DE) genes from four group comparisons shown in Fig 6B

*Positive and negative values represent genes upregulated and downregulated, respectively, in MKP-T compared to MKP-Lung cells

#Positive and negative values represent genes upregulated and downregulated, respectively, in MKP-Lung line compared to MKP-Liver cells

^Positive and negative values represent genes upregulated and downregulated, respectively, in MKP-Liver compared to MKP-T cells

&Positive and negative values represent genes upregulated and downregulated, respectively, in MKPOSE-AdCre compared to MKPOSE-EV cells

Lung vs T	log2_fold_change (Lung/T) *	**Lung vs Liver**	log2_fold_change (Lung/Liver) #	**Liver vs T**	log2_fold_change (Liver/T) ^	**AdCre vs EV**	log2_fold_change (AdCre/EV) &
Adap1	3.48	0610011F06Rik	-2.62	1700026D08Rik	4.18	1700003F12Rik	3.39
Akap12	-3.55	2600006K01Rik	-2.29	2010204K13Rik	-3.71	1700026D08Rik	-2.28
Arap3	-6.97	2900026A02Rik	2.56	2310075K07Rik	1.89	2900026A02Rik	-3.78
Areg	-5.34	4930502E18Rik	-5.72	2700060E02Rik	2.98	3110007F17Rik	2.46
Atp1b1	3.71	4930506M07Rik	-4.27	2810417H13Rik	-2.15	A230050P20Rik	3.85
B3galnt1	5.07	6430548M08Rik	-4.24	4930486L24Rik	-2.22	A730049H05Rik	-2.10
BC028528	4.67	6720475J19Rik	-6.41	4930502E18Rik	7.28	Abca3	-3.10
Bmp4	5.07	9330182L06Rik	-3.32	4930506M07Rik	3.75	Acot11	-3.91
Cadm1	-6.19	9930014A18Rik	-3.09	6030419C18Rik	2.36	Acss2	2.19
Capn6	4.17	A730049H05Rik	-3.67	6430548M08Rik	2.47	Actg2	2.57
Ccdc80	4.70	Abat	-7.20	6720475J19Rik	5.94	Adamts12	2.56
Cd93	-4.79	Abca3	-2.84	9930014A18Rik	3.49	Adamts2	4.97
Cdkn2b	-6.99	Abca9	-2.83	9930111J21Rik2	-2.14	Adap1	4.11
Clec4d	-3.89	Acaa2	-2.81	A330021E22Rik	2.85	Adh7	4.98
Col15a1	6.31	Acot11	-3.06	A730049H05Rik	3.38	Adm	3.79
Col4a1	-4.16	Acsf2	-2.53	AA467197	-5.17	AI118078	-2.44
Cotl1	-5.13	Actn3	-4.25	Abat	7.66	Akap12	-2.93
Cpne8	-5.09	Adam12	2.66	Abca9	3.88	Aldh1a1	-5.55
Crct1	-6.02	Adamts12	-4.12	Abcc3	3.21	Aldh1l2	5.76
Ctsk	6.71	Adamts7	-2.99	Abcc4	-3.46	Aldh3b1	-2.37
Cxcl14	6.08	Adap1	3.82	Abcc5	1.90	Ampd3	2.83
Cyba	3.88	Adh7	7.04	Acaa2	3.46	Ang4	-4.87
Ddit4l	4.11	Agpat4	4.94	Acot11	2.28	Angptl6	2.89
Def6	3.78	Ahnak	2.21	Acsbg1	-1.80	Ank	5.95
Emb	3.57	Ahsp	-6.67	Acsf2	3.66	Ank3	4.40
Eng	-4.70	Aig1	3.02	Acsl6	-1.85	Ankrd1	6.16
Enox1	5.16	Akap12	-4.91	Actn3	4.48	Anxa11	-2.56
Enpp1	4.70	Akr1c12	-2.64	Adam33	3.78	Apobec1	2.68
Epb4.1l3	-5.81	Akt3	3.86	Adamts1	-2.28	Apobr	4.34
Epha3	5.65	Aldh1a1	-9.14	Adamts12	4.11	Aqp1	3.38
Eps8l2	4.83	Aldh1a7	-5.19	Adh7	-5.60	Arg1	-2.92
Esm1	-7.19	Aldh1l2	6.50	Adrb2	-2.45	Arhgdib	-4.33
Fam132b	4.84	Aldh6a1	-3.04	Adss	-1.85	Arhgdig	-3.81
Fbln1	-3.07	Aldoc	-7.85	Agpat2	-1.93	Arrdc4	2.16
Fgfr2	4.38	Amhr2	-6.03	Agpat4	-5.20	Arsj	3.04
Fhl1	-6.19	Angptl2	6.07	Agpat9	-4.30	Asap2	-3.95
Foxs1	6.33	Angptl7	-11.55	Ahsp	7.43	Asna1	-1.89
Gas6	4.49	Ank	7.71	Aif1l	-4.84	Asns	5.07
Gata6	-4.71	Ank3	4.31	Aifm2	2.19	Atf5	3.07
Gjc1	-3.65	Ankrd1	7.21	Aig1	-2.65	Atp1b1	-4.74

Gli2	-3.47	Anxa6	-2.43	Akr1c18	-5.01	Atp6v0e2	-3.12
Gpr149	-7.72	Aox3	-4.49	Akt3	-4.17	Atp8b1	5.52
Gpr176	3.90	Apbb1ip	2.28	Alad	2.02	Auh	2.95
Gpx7	3.90	Aplp1	-5.24	Aldh1a1	8.32	Auts2	4.40
Grb10	-7.26	Apoc1	-2.90	Aldh1a7	4.26	Avpr1a	-6.04
Hoxc10	5.09	Aqp1	5.96	Aldh3a1	-5.35	Axin2	-2.26
Hoxc9	4.28	Arhgap18	-2.55	Aldh6a1	3.40	Bace2	4.56
Hspb7	4.98	Arhgap29	-5.31	Aldoc	5.55	Bcl2l1	-3.09
Igfbp2	6.32	Arhgap44	-2.65	Amhr2	7.33	Bicc1	-2.70
Igfbp3	-4.85	Arhgef3	-2.84	Angpt2	-4.86	Blvrb	2.07
Igfbp6	5.52	Arhgef6	3.73	Angpt4	-2.70	Bmp4	2.78
Il16	3.99	Artn	5.54	Angptl2	-5.61	Bnc1	-5.13
Il33	-3.80	Asap2	-2.83	Ank	-6.11	Btbd3	-2.14
Inmt	-5.27	Asns	3.83	Ank3	-4.76	Btg1	2.13
Irx2	4.89	Atp6v0e2	-3.34	Ankrd1	-6.27	Bves	-3.16
Irx3	3.98	Atp8a1	-3.67	Ankrd6	-3.15	C1qtnf1	-2.12
Itga11	6.87	Atp9a	-3.68	Anpep	3.16	C2	-2.90
Itga3	-5.00	Avil	7.28	Apbb1ip	-3.62	C430049B03Rik	1.97
Kcnk1	4.97	Avpi1	2.37	Aplp1	5.98	Cacna2d1	5.01
Kprp	-5.96	Axin2	-4.67	Apobr	-3.64	Car11	1.86
Krt19	-3.47	B4galnt1	3.35	Apoc1	2.57	Casp14	-3.01
Lama1	4.34	B4galt4	-2.74	Aqp1	-5.97	Ccdc68	-3.18
Lama5	-4.81	Bai2	-6.13	Areg	-6.07	Ccdc85b	2.66
Laptm5	-4.75	Baiap2l1	-6.38	Arhgap44	3.15	Ccdc92	-2.07
Lmcd1	5.43	BC017158	-3.77	Arhgdig	5.17	Ccl7	2.84
Lox	6.50	BC096441	-3.89	Arsj	-4.04	Cd200	2.50
Lpar4	-4.38	Bcat1	6.91	Asf1a	2.00	Cd44	-1.85
Lum	6.03	Bcl3	-3.62	Asns	-2.44	Cdk20	2.11
Megf10	6.22	Bdnf	2.61	Asph	-2.22	Cdkn2a	-6.80
Mettl24	4.66	Bex4	-5.98	Atg2a	2.07	Cela1	2.59
Mmp3	-6.57	Bicc1	-5.65	Atp10a	-4.91	Chchd10	4.60
Mrap	4.90	Bicd1	-2.22	Atp1b1	6.27	Chst1	3.70
Msln	-5.70	Bin1	3.01	Atp6v1b2	1.91	Clec2d	2.42
Mtap	-5.84	Bnc1	-6.66	Atp7a	2.08	Clmn	-2.04
Nes	-5.42	Bok	2.77	Atp8a1	3.76	Clmp	3.32
Nid1	-7.24	Bsdc1	-2.30	Atp9a	2.91	Cln3	-2.95
Nipal1	-4.02	Btbd3	-2.70	Avpi1	-2.93	Cln6	-1.90
Nol3	-4.19	C1qtnf1	-4.38	Avpr1a	3.46	Cntnap4	3.57
Notch4	-4.47	C1qtnf2	-4.51	Axin2	4.89	Cobl	-3.73
Nrep	4.34	C1s	-3.93	B3gnt9	2.98	Cobll1	-3.17
Pawr	3.89	C2	-7.87	B4galt4	2.91	Col15a1	3.84
Pcdh7	-6.06	C3	-8.00	B930041F14Rik	2.68	Col4a1	-3.47
Pcsk9	-5.86	Cables1	-3.60	Baalc	-2.89	Col4a2	-3.47
Pkia	-4.58	Cadm1	-5.52	Bai2	5.51	Col4a6	-3.29
Pknox2	-3.78	Capg	4.09	Baiap2l1	4.01	Col8a1	-1.98
Plxdc1	5.98	Car11	-5.20	BC017158	3.92	Cotl1	2.17
Podnl1	3.62	Car9	-6.63	BC096441	3.97	Cox6a2	4.68
Ptgis	5.02	Card10	-4.53	Bcat1	-5.20	Cpz	-4.85
Ptn	5.81	Carhsp1	-2.26	Bcl3	4.44	Crabp1	5.98
Ptprd	5.16	Cav2	4.15	Bend6	-1.70	Crim1	-2.84

Ptprn	-3.17	Ccdc92	-6.47	Bex4	5.72	Csgalnact1	3.32
Raet1b	-6.26	Ccnd1	2.98	Bgn	1.94	Cth	3.43
Raet1c	-6.14	Ccne2	2.00	Bicc1	6.67	Cyba	-1.90
Rcn3	4.14	Ccpg1	-2.56	Bin1	-1.95	Cyp11b1	-2.43
Rgs16	-6.75	Cd109	5.32	Bmf	2.01	Cyp2s1	-2.92
Rhoj	-3.13	Cd200	-5.21	Bmp4	4.19	D8Ertd82e	-3.48
Ror2	5.27	Cd276	5.33	Bnc1	4.41	Dap	2.52
Serpine2	4.25	Cd44	3.59	Bnc2	2.62	Ddc	-4.99
Shox2	3.14	Cd55	-7.19	Bok	-2.41	Ddit4	2.06
Slc40a1	4.02	Cd59a	-2.40	Bscl2	2.11	Ddr1	-3.30
Snca	-4.95	Cd82	-1.85	Btbd11	-4.59	Ddx49	-2.38
Srpx2	7.05	Cd9	2.49	Bves	-2.61	Deptor	3.38
Stc1	-5.91	Cda	3.81	C1qtnf2	4.26	Dgat2	2.17
Sybu	3.33	Cdc42ep2	-2.80	C2	8.44	Dhrs7	1.91
Tenm3	-5.05	Cdc42ep4	1.92	C3	8.07	Dkk3	5.19
Thbd	4.75	Cdh11	-2.24	Cables1	6.43	Dmkn	-3.65
Thbs2	3.47	Cdh13	4.35	Cacnb3	1.82	Dmrta2	4.72
Thy1	-3.41	Cdk5r1	2.22	Camkk1	-2.73	Dnajc6	-5.05
Tnc	-3.23	Cdkn2a	-6.21	Capg	-4.57	Dnmt3l	3.68
Tnfrsf11b	5.30	Cdkn2b	-5.14	Capn6	4.45	Dpt	5.33
Tnfrsf26	-5.50	Cers4	-3.18	Car11	5.20	Dram1	3.87
Tpd52	-3.54	Ces2g	-5.56	Car13	-1.80	E2f4	-2.00
Vat1l	-2.94	Chi3l1	-3.52	Car5b	-3.96	Ear2	-3.45
Wisp2	8.46	Chmp4c	-2.85	Car9	5.38	Ear3	-5.64
		Chst15	4.45	Card10	2.63	Ear4	-4.87
		Chst3	4.27	Cav2	-4.63	Edn1	-2.97
		Chst7	3.84	Cbr1	2.07	Ednra	-3.45
		Cish	-5.48	Cbr2	-2.76	Efna5	-1.89
		Clcn2	-4.01	Cbr3	3.44	Eif3d	1.77
		Clcn3	-3.31	Ccdc64	3.57	Eif4e3	5.02
		Cldn15	-7.28	Ccdc80	7.06	Eif4ebp2	-1.85
		Clip4	-3.06	Ccdc85b	-4.78	Elavl2	3.22
		Clmp	4.09	Ccdc92	3.68	Emb	5.59
		Cmtm4	3.26	Ccl27a	4.02	Emp2	2.64
		Cnn2	3.87	Ccnd1	-3.44	En1	3.74
		Cnrip1	4.70	Ccne1	-1.93	Enpp2	6.58
		Cntnap2	-7.84	Ccne2	-2.32	Epb4.1l3	4.01
		Cntnap4	3.64	Cd109	-4.90	Epb4.1l4a	-4.26
		Col12a1	2.55	Cd200	6.04	Epb4.1l5	-2.56
		Col15a1	5.99	Cd276	-4.00	Eps8l2	-3.20
		Col1a1	2.89	Cd34	-2.77	Ercc2	-2.31
		Col4a1	-6.21	Cd44	-4.24	Esrp2	-2.13
		Col4a2	-5.67	Cd55	7.45	Etl4	-4.61
		Col4a5	-1.88	Cd59a	2.23	Etv1	4.55
		Col5a1	2.25	Cd9	-2.58	F11r	-3.28
		Col6a3	7.38	Cd93	-4.19	Fam110a	-1.87
		Col8a1	7.84	Cd97	-3.02	Fam132b	-2.41
		Cpne4	-4.21	Cda	-6.63	Fam180a	-4.89
		Cpne8	-8.57	Cdc25c	-2.31	Fam19a5	4.04
		Cpz	-6.57	Cdc42ep4	-1.99	Fam213b	-3.07

Crabp1	6.94	Cdc42ep5	1.87	Fam65b	-2.21
Creg1	-3.91	Cdh11	3.13	Fam69c	3.28
Crip2	3.14	Cdh13	-5.56	Fbln1	4.05
Crlf1	4.68	Cdh26	-3.03	Fbxl13	2.68
Crls1	2.93	Cdh3	5.50	Fcgr4	-3.07
Cryl1	-4.84	Cdkn2a	5.44	Fetub	2.47
Crym	-2.50	Cdon	4.27	Fgf7	5.18
Csad	-2.60	Cdsn	-6.86	Fgf9	-2.66
Csdc2	-2.88	Cebpb	2.01	Fgfr2	-2.55
Cspg4	4.28	Cela1	-3.62	Fgfrl1	-1.97
Csrp2	2.22	Celf4	-2.55	Fmnl2	2.51
Ctf1	-3.99	Celsr1	2.18	Foxred2	2.28
Cthrc1	4.05	Cenpn	-1.88	Fry	-2.44
Ctsa	4.87	Cenpt	-2.00	Fscn1	-2.76
Ctsc	-3.83	Cercam	5.80	Fzd7	-2.24
Ctsf	-4.84	Ces2g	4.65	Gabrb1	-6.04
Ctsh	-5.12	Ch25h	-3.53	Galc	-2.52
Ctsk	6.08	Chchd10	7.65	Galnt18	3.80
Ctsl	-3.20	Chd7	-2.87	Gas6	-3.49
Ctxn1	-3.86	Chic1	-2.83	Gata3	3.03
Cxcl12	4.82	Chmp4c	2.25	Gata6	-1.93
Cyb5	-2.33	Chn2	3.63	Gatsl2	-2.27
Cygb	-3.38	Chst1	-5.40	Gdap1l1	2.92
Cyp2s1	-5.03	Chst2	-5.10	Gdnf	2.11
Cyp7b1	-5.00	Chst7	-3.45	Gfod1	2.77
Dak	-3.26	Chst8	-3.72	Glce	2.33
Dcbld2	-2.76	Chtf18	-1.84	Glipr1	2.65
Dclk1	-3.71	Cish	4.61	Glipr2	1.84
Dcn	-4.26	Clcn2	4.61	Glis2	-1.93
Ddc	-6.43	Cldn15	7.29	Gm129	2.84
Ddit4	-2.38	Cldn23	-4.21	Gm13154	3.67
Ddr1	-5.37	Clip4	4.17	Gm5796	2.05
Dhrs4	-2.56	Clmp	-2.19	Gm7094	1.78
Diras1	3.51	Cmtm7	1.75	Gmds	2.78
Dlgap4	-2.09	Cnn2	-4.31	Gmip	-1.91
Dlk2	4.30	Cnrip1	-5.45	Gnaz	2.56
Dlx1	2.85	Cntnap2	8.12	Gng2	3.17
Dnajc6	-4.25	Cntnap4	-3.48	Gpc1	3.13
Dnase2a	-4.88	Col16a1	2.09	Gpr149	6.17
Dnd1	-3.08	Col18a1	-5.24	Gpr165	-2.23
Dnm3os	2.39	Col4a1	2.05	Gpt2	2.34
Dtwd1	2.30	Col4a2	2.63	Grasp	2.42
Dync1i1	-3.90	Col4a5	3.68	Greb1	-2.53
Dysf	4.24	Col4a6	3.71	Grem1	3.65
Ebf1	3.38	Col5a1	-2.12	Gria3	3.33
Ece1	-2.26	Col6a3	-5.12	Gspt2	-2.29
Efcab4a	-3.13	Col7a1	-3.85	Gsto2	-2.12
Efna5	-3.68	Col8a1	-7.82	Gstt3	-2.85
Ehbp1l1	3.12	Cpeb3	2.33	Gucy1b3	-2.09
Ehd2	2.11	Cplx2	-3.13	Hal	-4.45

Elmo3	-4.29	Cpne8	3.48	Hectd2	3.39
Eln	-8.15	Cpxm1	3.64	Herpud1	2.23
Elovl4	2.16	Cpz	5.55	Hip1	-1.95
Emb	9.33	Crabp1	-4.17	Hnrnph1	1.76
Emilin2	-3.25	Crct1	-6.39	Hoxd9	2.77
Eml1	5.81	Creb3	2.14	Hs3st1	-2.67
Emp1	6.09	Creb3l1	3.17	Hs3st3a1	-3.55
Eno3	6.90	Crebl2	2.29	Hspb6	2.55
Enox1	4.66	Creg1	3.31	Htra1	5.67
Enpp1	5.45	Crip2	-3.25	Igf2	-3.17
Enpp5	-3.53	Crls1	-2.76	Igfbp3	-2.95
Epb4.1l3	-6.54	Crmp1	-3.87	Igfbp4	-4.02
Epb4.1l5	-4.02	Cryl1	4.35	Igfbp5	4.38
Epha3	5.81	Csf2ra	1.91	Il18	-3.82
Epha7	-2.61	Csk	-1.84	Inadl	-3.19
Ephb4	-2.42	Csprs	-4.99	Isl1	5.94
Ephb6	-2.16	Ctdspl	2.26	Islr	3.71
Ephx4	-2.45	Ctf1	5.65	Itfg3	-1.80
Esyt3	-6.03	Ctsa	-2.49	Itga11	4.19
Exoc3l	-2.32	Ctsf	5.33	Itga3	-4.97
F11r	-6.21	Ctsh	4.96	Itga7	-5.10
F2r	4.92	Ctsl	2.38	Itm2a	5.46
Faah	-3.67	Ctxn1	2.78	Ivl	-8.24
Fads6	-6.81	Cxadr	2.62	Jph2	-3.58
Fam110c	-7.26	Cxcl16	6.76	Kank4	-3.28
Fam111a	2.57	Cygb	4.94	Kcnk5	-5.34
Fam115c	-3.58	Cyhr1	2.39	Kcp	-2.19
Fam129a	4.24	Cyp2s1	6.42	Kctd1	-2.04
Fam129b	4.51	Cyp7b1	2.54	Kctd12	5.73
Fam132b	5.34	Cytip	-2.54	Khdrbs3	3.59
Fam171a1	3.41	D630004N19Rik	2.08	Khk	-1.86
Fam210b	-3.19	Dag1	2.07	Klf2	-2.29
Fam212b	-2.12	Dak	3.51	Klhl30	-4.29
Fam213a	-3.18	Dclk1	2.66	Kprp	3.92
Fam213b	-3.67	Dcn	4.87	Krt19	-3.83
Fam49a	-7.31	Ddc	6.41	Lama5	-5.01
Fam84b	-4.52	Ddit4l	4.13	Lck	2.18
Fap	2.71	Ddo	2.72	Lgi2	4.17
Fblim1	3.61	Ddr1	3.77	Limch1	-6.74
Fbln1	-4.34	Depdc1b	-2.30	Llgl2	-2.95
Fbn1	4.80	Dgat2	-2.52	Lpar4	5.51
Fbxo2	-5.30	Dhrs4	2.40	Lrp12	1.80
Fchsd1	-4.51	Dhrs9	-1.84	Lrp2	-6.71
Fgf10	4.96	Dlgap5	-1.66	Lrp8	2.74
Fgf7	5.64	Dlx1	-2.40	Lrrc59	3.55
Fhl1	-5.60	Dmxl1	1.75	Lrrc8a	2.10
Fhl2	3.18	Dnase2a	5.35	Lrrc8d	-2.04
Fign	3.15	Dnph1	-2.15	Lrrn4	-6.54
Flrt1	-5.03	Dusp15	2.21	Ltbp3	-2.18
Flt1	7.54	Dusp7	-2.63	Lurap1l	2.43

Flywch2	-2.36	Dync1i1	3.82	Ly6c1	4.52
Fmnl2	3.44	Dysf	-5.58	Ly6e	2.28
Fmnl3	4.40	E130012A19Rik	-3.21	Lypd1	-3.84
Folr1	-8.07	E130308A19Rik	2.79	Maats1	3.80
Foxg1	2.15	E330009J07Rik	2.36	Man2b2	-2.66
Foxs1	4.15	Ece1	2.32	Map1b	1.84
Frmd7	-5.02	Efnb1	2.63	Map2	3.69
Fscn1	2.91	Ehbp1l1	-3.29	Map3k14	2.41
Fuom	-2.85	Ehd2	-2.93	Map3k7cl	-3.95
Fut10	2.12	Eif4ebp1	-2.04	Mapk8ip1	-2.53
Fxyd1	-2.41	Elk3	-2.43	Mb21d1	2.72
Galnt18	3.01	Elmo3	3.91	Mboat2	-3.85
Garnl3	-4.50	Eln	8.23	Mbp	-1.99
Gas6	-4.34	Elovl4	-2.17	Med14	1.85
Gata3	-2.90	Elovl6	-3.05	Med30	1.94
Gata4	-2.97	Emb	-5.76	Mef2c	3.10
Gata6	-9.21	Emilin2	2.08	Megf10	2.73
Gatsl2	-2.49	Eml1	-5.42	Metrnl	-2.21
Gdnf	4.85	Emp1	-6.11	Mettl20	-3.18
Gdpd5	-3.61	Eng	-4.72	Mfap2	4.97
Ggt5	-3.81	Eno3	-6.06	Mgarp	3.84
Gjb3	-5.51	Enpp2	3.66	Mgll	-6.24
Glipr1	6.02	Enpp4	2.74	Mid1ip1	-1.88
Glipr2	5.46	Entpd5	1.89	Mlf1	2.79
Glrx2	-2.57	Epb4.1l5	2.49	Mllt4	-2.40
Gm12538	-3.30	Eps8l2	4.35	Mmp11	2.28
Gm22	6.42	Erich1	2.13	Mmp16	2.24
Gm2a	-3.79	Erlin1	-2.20	Mmp9	2.92
Gm3579	-3.87	Esm1	-6.49	Mn1	-2.17
Gm4672	5.46	Esyt3	5.89	Mogat2	-3.45
Gmpr	-2.89	Etv1	-4.33	Mreg	-4.56
Gnai1	-3.85	Evi2a	-4.55	Ms4a2	-6.21
Gng2	3.22	Evi2a-evi2b	-2.09	Ms4a6d	-4.37
Golm1	-2.63	Exoc6	2.51	Msln	-6.05
Gpc1	5.15	F11r	4.44	Mtbp	3.34
Gpr176	7.97	F2r	-5.42	Mthfd2	2.45
Gpr64	-2.21	F2rl1	-3.45	Mtus1	-3.05
Gpx7	4.63	Faah	4.83	Murc	2.55
Gramd1b	-2.30	Fads3	-2.72	Myl7	-4.11
Greb1	-4.77	Fads6	7.18	Nabp2	-2.15
Grem1	7.19	Fahd2a	2.55	Nap1l1	-2.00
Gria3	-3.33	Fam107b	-2.77	Nfatc4	3.24
Gsta3	-7.17	Fam110c	3.33	Nfib	4.80
Gstm2	-4.17	Fam111a	-2.97	Ngfr	2.71
Gsto1	4.99	Fam115c	3.96	Nhsl1	-2.09
Gstt3	-3.68	Fam117a	2.28	Nkain2	-2.52
Gucy1a3	-7.08	Fam126a	2.77	Nme7	-4.79
H1fx	2.56	Fam129b	-4.53	Nod1	-2.08
H2-DMb1	-5.20	Fam13c	5.19	Nrep	3.49
H2-DMb2	-4.92	Fam171a1	-2.90	Nrn1	3.61

Haghl	-2.17	Fam180a	5.23	Nupr1	3.10
Hapln4	3.24	Fam212a	-1.99	Ociad2	-2.23
Hlcs	-3.03	Fam221a	2.46	Ogfrl1	2.32
Hmga1	7.57	Fam49a	7.24	Osr1	2.97
Hopx	2.98	Fam57a	-2.30	Osr2	2.75
Hoxa7	2.26	Fam64a	-2.42	Otub2	2.42
Hoxc9	2.44	Fam84b	3.80	P2ry1	5.53
Hoxd10	-5.08	Far1	-1.70	Pald1	-2.25
Hr	-3.40	Fas	3.53	Palld	-2.76
Hs3st1	-4.35	Fblim1	-6.03	Pcbp3	1.96
Hspb8	-3.80	Fbn1	-3.83	Pcdh17	4.34
Icam1	-5.55	Fbrsl1	1.91	Pcdhb22	1.87
Igf1	-4.92	Fbxo2	6.13	Pcsk9	5.28
Igf1r	3.27	Fchsd1	4.38	Pde3a	-2.70
Igfbp3	-7.55	Fdxr	2.86	Pde6h	-3.52
Igfbp5	-5.07	Fez1	-2.89	Pdgfc	3.18
Igsf9	-4.27	Fgf10	-4.44	Peg3	-4.25
Il11ra1	-2.29	Fgf18	3.68	Phf11d	2.76
Il13ra1	-3.44	Fgf7	-4.19	Pid1	4.26
Il17re	-7.83	Fgf9	3.36	Piezo2	-2.79
Il1rl1	8.04	Fgfr1op2	3.69	Pik3cb	-2.30
Ilvbl	-2.74	Fgfr2	4.25	Pik3r1	2.39
Inhba	5.62	Fhdc1	2.48	Pim1	-3.58
Irx2	4.80	Fign	-3.51	Pitpnm2	-2.53
Irx3	2.61	Flnb	-2.91	Pkp2	-2.07
Isyna1	-3.37	Flrt1	5.45	Pla1a	4.64
Itfg3	-3.24	Flrt3	-4.25	Plac8	2.49
Itga11	7.25	Flt1	-7.79	Plekhj1	-2.45
Itga3	-4.79	Flywch2	2.89	Plvap	1.98
Itga7	-2.79	Fmnl2	-3.52	Pogk	2.30
Itgb1bp1	-3.31	Fmnl3	-4.04	Polr2a	-2.38
Itgbl1	6.90	Folr1	8.70	Popdc3	-3.81
Itm2a	-7.22	Fosl2	1.89	Ppp1r3c	2.71
Itpr1	-2.98	Frmd4a	-2.85	Ppp2r2b	-7.08
Itprip	2.27	Frmd7	4.36	Prcp	1.89
Ivl	-4.87	Fry	3.62	Prelp	3.71
Izumo4	-2.78	Fscn1	-3.14	Prkar2b	3.77
Jmjd8	-3.03	Fxyd5	-4.93	Pros1	3.44
Jph1	-5.09	Fzd4	1.98	Prr5l	-3.74
Kank1	-2.25	Gabarapl1	1.90	Prss23	-1.84
Katnb1	2.06	Gadd45a	3.03	Psmb8	2.23
Kcnab1	-8.76	Gadd45b	4.69	Ptn	7.42
Kcnn4	5.60	Gadd45g	-1.75	Ptpn21	-1.88
Kcp	-4.24	Gal3st2	3.79	Ptprf	-2.98
Kdelr3	2.90	Garnl3	2.98	Pycr1	2.90
Kirrel3	3.63	Gas6	8.84	Qpct	2.85
Klhl30	4.16	Gata4	3.70	Rab15	4.19
Klra33	7.20	Gata6	4.50	Rab27a	-2.04
Klra4	6.58	Gatsl3	-2.30	Rab3il1	2.38
Kremen1	2.45	Gca	3.63	Ramp2	3.74

Krt19	-7.82	Gchfr	-4.92	Rarres2	-3.09
Krt7	-8.48	Gcnt1	3.34	Rasgrp1	-3.55
Krt8	-6.33	Gdnf	-5.21	Rasgrp3	-7.56
Krtcap3	-2.11	Gdpd1	2.43	Rasl11a	-3.06
Lamb2	-2.26	Gdpd3	2.28	Rbbp4	2.11
Lamc3	-3.06	Gdpd5	3.46	Rerg	3.18
Ldhd	-2.22	Gemin6	-1.66	Rftn2	2.64
Ldoc1l	-3.44	Ggt5	3.61	Rgs12	-2.04
Lefty1	-1.84	Ggt7	-2.70	Rgs17	2.46
Lgals2	-5.36	Ggta1	-2.12	Rhobtb1	2.65
Lgals7	-4.46	Gimap9	2.63	Rhobtb3	1.97
Lhpp	-2.82	Gjc1	-3.89	Rnf144a	5.25
Limch1	-5.13	Glce	-2.99	Rnf19a	1.91
Llgl2	-2.52	Gli2	-2.18	Robo1	5.82
Lox	2.22	Glipr1	-5.52	Ror2	1.97
Lpar2	-3.83	Glipr2	-6.64	Rrad	1.96
Lpl	-6.01	Glt8d2	-4.10	Runx1t1	4.62
Lrba	-4.49	Gm12538	3.21	Sbf1	1.83
Lrp2	-6.05	Gm14680	-2.22	Sbsn	-2.35
Lrp8	5.53	Gm22	-3.90	Scrn1	-2.73
Lrrk2	3.77	Gm2a	4.19	Sema3b	-2.07
Lrrn4	-7.11	Gm3579	4.01	Sema3e	-2.68
Ltbp1	6.32	Gm4672	-4.65	Sema3f	-4.78
Lurap1l	6.46	Gm5077	3.77	Sema5a	4.07
Lypd1	-5.81	Gm8909	-3.53	Serpina3g	3.32
Lysmd2	2.54	Gmpr	3.76	Serpina3n	4.91
Lyz1	-9.03	Gnai1	5.75	Serpine2	5.80
Maats1	4.62	Gnb1	-1.67	Serpinf1	3.90
Mageh1	-2.11	Gnb4	-4.22	Serping1	-3.51
Map3k1	-2.51	Gng11	-2.50	Sft2d2	-4.30
Map7	-5.79	Gng2	-3.24	Sgsm1	-2.28
Mapk13	-3.71	Gng7	1.74	Sh3tc1	-2.79
Mapk8	-2.50	Gnpda1	1.78	Sh3tc2	-3.47
Mapkapk2	-3.13	Golm1	1.81	Shmt2	1.93
Mapkapk3	-4.13	Gpc1	-4.02	Sirpa	2.20
Masp1	7.92	Gpr124	-3.52	Six1	3.00
Mboat2	-2.65	Gpr149	-7.48	Slc1a4	2.71
Mcam	-2.07	Gpr176	-4.07	Slc27a6	3.63
Mcm5	2.19	Gpr180	1.77	Slc2a13	3.49
Mef2c	5.44	Gpr64	3.24	Slc6a9	3.21
Megf10	7.92	Grasp	-3.32	Slc7a11	5.78
Megf9	-2.90	Grb10	-5.83	Slc8a1	3.89
Mela	-3.50	Grem1	-6.63	Slc9a3r1	-5.21
Melk	1.98	Grhpr	2.04	Slc9a3r2	-2.61
Mettl24	2.89	Gria3	3.34	Smim1	-3.74
Mgat3	-4.55	Grk6	-1.88	Smpd3	-3.97
Mgmt	-6.79	Gspt2	-3.70	Snca	2.81
Mical1	3.69	Gsta3	7.46	Snta1	-2.45
Mif4gd	-3.85	Gstm1	3.24	Snurf	-3.98
Mkrn1	-2.36	Gstm2	5.07	Sort1	-2.47

Mmd	-3.04	Gstm6	2.16	Sox4	-1.88
Mmp17	-4.08	Gsto1	-5.92	Sox9	6.05
Mmp2	8.61	Gstt1	2.50	Spint1	-4.39
Mocs1	-2.16	Gstt3	3.09	Sprr1a	-2.25
Mospd1	-2.05	Gucy1a3	6.84	Srpx2	6.60
Mrgprf	2.62	Gulp1	2.04	Ssh1	-1.97
Mrvi1	-3.55	H2-D1	-3.77	Stab1	2.12
Msrb2	-3.88	H2-DMb1	4.77	Stim1	-2.52
Mtap	-4.53	H2-DMb2	4.69	Stx3	-2.30
Mthfd2	4.27	H2-M3	-2.94	Sulf2	1.90
Muc16	-9.14	H60a	-5.54	Sybu	4.48
Murc	5.32	Hao1	-4.94	Tagap	-3.99
Mustn1	4.26	Havcr2	-4.40	Tagap1	-2.86
Mycl	-3.35	Hectd2	-3.77	Tagln	-2.48
Myh10	-5.03	Hemt1	-2.53	Tbc1d2	-3.70
Myl7	-2.18	Hk1	-2.93	Tceal6	-3.15
Myo1b	1.93	Hlcs	2.89	Tdrkh	2.74
Myo5b	-7.39	Hmga1	-7.46	Tec	-3.72
Myo7a	-3.47	Hmga2-ps1	-4.06	Tenm4	2.99
Naprt1	-3.47	Hmox1	2.48	Tescl	-2.85
Ncam1	4.12	Hook2	2.13	Tgfb1	-1.79
Ncrna00085	-3.07	Hoxc10	3.66	Tgfbi	6.21
Ncs1	2.09	Hoxc6	2.70	Tiam1	-3.28
Ndfip1	-2.52	Hoxd10	5.50	Timp3	-3.10
Nes	-3.42	Hoxd3	2.75	Tinagl1	-3.08
Neu2	-2.23	Hoxd4	3.80	Tmc6	-3.25
Nfatc1	3.37	Hoxd8	2.72	Tmem100	5.47
Nfe2l3	-4.15	Hoxd9	3.21	Tmem154	-2.12
Ngef	4.92	Hs3st1	5.48	Tmem176a	-2.29
Nid2	-4.19	Hspb1	3.37	Tmem180	-2.73
Nipal2	-2.64	Hspb7	2.57	Tmem200a	3.58
Nkain1	2.61	Hspb8	4.15	Tmem255a	-3.64
Nme3	-2.67	Htr2b	2.12	Tmem47	5.24
Nme7	-2.37	Hyi	2.51	Tmem62	-2.09
Nos3	-2.84	Icam1	5.62	Tnip1	-2.07
Nostrin	3.28	Iffo2	-2.41	Tns4	-3.56
Nrep	3.30	Ifi202b	-3.12	Tpst2	-2.01
Nuak2	-4.23	Ifnlr1	2.91	Trib3	5.97
Nudt10	-3.63	Igdcc4	5.95	Tril	6.26
Nudt4	2.06	Igf1	5.00	Trp63	2.81
Nxn	-2.64	Igf1r	-3.71	Tsc22d3	2.14
Nxnl2	-5.88	Igf2bp2	-2.39	Tsc22d4	-2.69
Oaf	2.73	Igfbp2	5.61	Tspan17	5.31
Olfm1	3.22	Igfbp3	2.69	Tspan6	4.42
Olfml3	3.11	Igfbp5	8.96	Ttll1	1.79
Oplah	-6.21	Igfbp6	7.22	Tuft1	-2.31
Osr1	4.42	Igsf5	-4.61	Twist2	4.99
P4ha2	2.20	Igsf9	4.55	Usp2	-2.77
Pank1	2.49	Il11ra1	3.81	Utp23	2.18
Papln	-3.25	Il15	-2.55	Vat1l	-5.99

Parm1	-5.55	Il16	5.03	Vav3	1.89
Pcdh7	-3.80	Il17rc	-2.35	Vcan	3.94
Pdcd4	-2.48	Il17re	6.84	Vgll2	-4.94
Pde1b	5.37	Il18	5.13	Wnt4	-2.58
Pde4dip	-5.66	Il1rap	-1.93	Wsb2	-2.00
Pdgfc	4.28	Il1rl1	-7.29	Wwc1	-2.57
Pdgfra	3.90	Il33	-2.59	Wwp1	-2.29
Pdss1	2.60	Il6ra	-2.86	Xkr5	-2.81
Pdzrn3	6.64	Impdh1	-2.21	Xpnpep2	2.91
Peg3	-3.49	Inhba	-3.12	Zbtb7c	-3.72
Pfkp	3.95	Inmt	-4.37	Zbtb8b	-3.22
Pgf	2.37	Irf5	4.25	Zcchc6	4.42
Phgdh	3.32	Isyna1	4.50	Zdhhc14	-3.12
Phldb2	-2.44	Itfg3	3.23	Zfp41	2.86
Pik3r3	-2.68	Itga6	-2.85	Zfpm2	1.95
Pip5k1b	-7.01	Itga7	2.68		
Pkhd1l1	-7.22	Itgb7	-7.40		
Pkia	-6.27	Itgbl1	-4.80		
Pknox2	-3.81	Itm2a	5.05		
Plau	2.45	Itpka	2.09		
Plcl2	3.22	Itpr1	3.24		
Plec	1.99	Jph1	4.58		
Plekhb1	-5.34	Kank1	2.85		
Plekhg4	2.38	Katnb1	-1.71		
Plk1s1	-3.06	Kcnab1	7.98		
Pltp	2.59	Kcnk1	4.89		
Pnpo	-2.62	Kcnk2	-4.10		
Podnl1	4.93	Kcnn4	-4.60		
Podxl	-5.35	Kcnu1	2.92		
Pou3f1	-5.19	Kcp	4.31		
Ppap2b	-2.45	Khdrbs3	-3.51		
Ppap2c	2.07	Kif18a	-1.99		
Pparg	3.63	Kif3c	-2.44		
Ppfibp2	-3.87	Kirrel3	-2.34		
Ppp1r13b	-4.40	Klc4	3.06		
Ppp1r26	-2.80	Klhl30	-2.40		
Ppp1r9a	-6.60	Klk8	-4.97		
Ppp2r5b	-2.82	Klra33	-8.42		
Pqlc1	-3.15	Klra4	-7.80		
Prickle1	-5.30	Kmt2c	1.97		
Prkcd	-2.42	Knstrn	-2.17		
Prr15l	-5.66	Kpna2	-1.71		
Prr7	3.96	Kprp	-6.22		
Prrg2	-2.28	Krt14	2.85		
Prrx1	3.07	Krt19	4.35		
Prss12	-4.48	Krt7	8.42		
Psen2	-3.26	Krt8	6.07		
Ptgis	-4.03	Krtcap3	2.30		
Ptk2b	-2.30	Lamb2	2.01		
Ptn	6.23	Ldoc1l	5.12		

Ptplad2	-2.35	Leprel4	2.09
Ptprb	-3.90	Lgals2	5.75
Ptprd	-2.15	Lgals7	3.95
Ptprk	-2.36	Lgals9	-2.65
Ptprm	3.34	Lgr6	-3.06
Ptrh1	2.70	Limch1	4.38
Pvrl2	-4.05	Lims2	-2.32
Pxdc1	3.10	Lmo7	-2.57
Qpct	2.18	Lox	4.28
Rab6b	-4.02	Loxl1	3.62
Rad51c	2.17	Loxl4	-3.17
Ramp2	1.99	Lpar1	-2.15
Rap1gap	-3.77	Lpar2	3.86
Rarres2	-6.98	Lpar4	-4.16
Rasl11a	-3.64	Lpl	4.95
Rasl11b	-5.01	Lrba	3.92
Rbm28	-2.00	Lrp2	5.72
Rbp1	-6.15	Lrp8	-5.66
Rcan2	-3.73	Lrrc1	2.81
Rcsd1	-3.51	Lrrk2	-5.33
Rell2	-2.89	Lrrn4	7.09
Rep15	-3.01	Ltbp1	-5.63
Rftn2	4.76	Lurap1l	-6.00
Rgcc	5.58	Ly6a	-7.93
Rgs17	4.39	Ly6c1	-5.89
Rgs7	2.43	Ly75	-1.88
Rhbdl1	-4.66	Lypd1	2.35
Rhou	-3.06	Lysmd2	-2.67
Rims2	3.57	Lyz1	8.05
Rmnd5b	-2.20	Maged2	2.68
Rnase4	-3.90	Mageh1	2.64
Rnf130	-6.08	Map3k1	2.60
Rnf150	2.41	Map6	-3.80
Rnf182	-3.46	Map7	5.91
Ror2	4.13	Mapk11	-2.49
Rora	-2.45	Mapk8	2.15
Rpp25	-4.83	Mapkapk2	2.97
Rsph1	-4.72	Mapkapk3	1.94
Rtkn2	3.00	Marcksl1	2.72
Rtn1	-6.18	Mars2	-2.03
S100a1	-4.41	Marveld1	-2.40
Saa3	-7.13	Masp1	-5.18
Satb1	-4.80	Mb21d1	-3.11
Sbk1	-2.60	Mbd1	2.15
Scamp5	-4.24	Mbp	6.82
Scara3	8.26	Mcc	2.11
Scg5	-3.83	Mcm5	-1.66
Sdf4	-2.20	Mdh1	1.73
Sdsl	-4.96	Mef2c	-4.20
Selp	-2.60	Megf9	3.53

Sema3f	-5.04	Mela	3.77
Sema5a	4.38	Melk	-2.07
Sema7a	6.20	Mesdc1	2.16
Sepp1	-4.79	Metrn	-4.78
5-Sep	2.29	Mettl20	3.32
Serinc3	-2.02	Mex3a	1.80
Serpinb1a	-2.67	Mfap3l	-3.76
Serpinb6b	-4.25	Mgat3	4.78
Serpine2	5.93	Mgmt	8.39
Serpinf1	6.74	Mgst3	-2.22
Serping1	-5.04	Mif4gd	3.77
Sesn1	-2.64	Mkrn1	2.26
Sfrp1	-5.89	Mkx	-3.52
Sft2d2	-2.48	Mllt3	-2.75
Sgcd	2.46	Mmp16	-2.65
Sgk1	4.04	Mmp17	3.82
Sgk3	-3.07	Mmp2	-6.48
Sh3d21	-3.09	Mmp3	-4.70
Sh3tc1	-3.03	Mnd1	-2.34
Sh3tc2	-2.47	Morn4	-2.41
Sh3yl1	-2.03	Mpp2	2.47
Shox2	4.21	Mrap	2.81
Shroom2	-4.28	Mrgprf	-3.16
Shroom3	-4.05	Mrps6	-2.22
Six1	4.05	Mrvi1	2.75
Slamf9	-2.36	Msln	-2.85
Slc12a6	-2.39	Mt1	2.12
Slc12a8	-2.52	Mt2	3.55
Slc16a9	-2.78	Mtus1	3.02
Slc23a2	2.35	Muc16	9.02
Slc23a3	-6.08	Murc	-3.27
Slc25a23	-2.76	Myh10	2.29
Slc29a1	4.21	Myl7	2.02
Slc2a8	-1.92	Mylk3	4.87
Slc31a2	-2.29	Myo1b	-2.08
Slc39a14	2.45	Myo1e	-2.37
Slc46a3	2.45	Myo5b	6.94
Slc48a1	-1.95	Myo6	2.07
Slc4a3	-2.38	Myoz2	2.13
Slc7a4	-3.63	Myzap	3.72
Slc9a3r1	-5.18	N4bp2l1	2.78
Smim1	-7.58	Nabp1	-2.03
Smpd3	-7.82	Naprt1	3.76
Smpdl3b	-3.08	Ncam1	-4.76
Snai1	4.17	Ncrna00085	2.79
Snrnp25	2.33	Ndfip1	2.03
Snx32	-2.56	Ndn	2.74
Soat1	-3.63	Ndrg2	5.10
Soat2	3.81	Ndufa4	1.86
Soga3	-2.33	Neurl1a	4.41

Sort1	-5.56	Nfe2l3	4.21
Sox4	-2.18	Ngef	-2.53
Sp3	-2.76	Ngf	-4.24
Spats2l	-3.59	Nid1	-7.29
Sphk1	3.69	Nid2	2.99
Spint1	-2.24	Ninl	1.92
Sprr1a	-3.74	Nipal1	-3.82
Srgap3	2.93	Nkain2	-2.72
Srpx2	8.08	Nkain4	2.96
St3gal4	2.13	Nme7	6.05
Stac2	4.54	Nod1	5.90
Stim1	-2.77	Notch1	-3.29
Stk39	-2.35	Notch4	-3.43
Strbp	-3.47	Nppb	-6.25
Sulf1	-6.69	Npr2	-3.07
Sulf2	2.58	Nr5a1	1.91
Sv2a	-4.10	Nrcam	-6.57
Swap70	3.41	Nrg1	1.97
Sybu	3.61	Nrn1	-2.03
Sync	-2.53	Nuak2	3.96
Syne3	2.71	Nudt10	2.59
Syngr1	-3.75	Numb	1.73
Synj2	2.16	Nup133	-1.79
Sytl2	3.40	Nxnl2	6.22
Tceal6	-4.63	Oaf	-2.74
Tcn2	-2.80	Obfc1	-1.96
Tec	-4.30	Olfml2b	2.34
Tfcp2l1	-7.54	Olfml3	-1.85
Tgfb1i1	3.31	Oplah	4.91
Thbs2	8.50	Ormdl3	3.12
Tiam1	-4.15	Osbpl6	-4.30
Timp2	-2.14	Osr1	-2.34
Tjp2	-2.70	Otx1	3.42
Tmc4	-3.13	P4ha2	-1.72
Tmc6	-2.54	Parm1	5.37
Tmem100	2.61	Pawr	4.89
Tmem107	1.98	Pcbp4	-1.91
Tmem108	-8.48	Pcdh7	-2.26
Tmem119	3.42	Pcdh9	-4.56
Tmem141	-2.62	Pcdhb12	2.20
Tmem176a	-5.56	Pcolce2	-4.65
Tmem176b	-5.80	Pcsk9	-6.20
Tmem178	-3.30	Pdcd4	2.83
Tmem180	-2.38	Pde4dip	3.20
Tmem238	2.99	Pdgfa	-1.77
Tmem255a	-7.78	Pdgfc	-3.08
Tmem56	-3.35	Pdlim2	-2.83
Tmem8	-2.04	Pdzd2	3.29
Tmem98	-3.94	Pdzrn3	-6.49
Tmtc2	-3.86	Peg3	2.18

Tnfrsf11b	6.20	Pfkp	-4.12
Tnfrsf22	3.12	Pgf	-3.85
Tnip1	-2.66	Pgk1	-2.24
Tpbg	2.31	Phgdh	-2.82
Tpd52	-3.50	Pigyl	2.32
Tpd52l1	-3.45	Pip5k1b	3.66
Tprn	-2.92	Pkhd1l1	7.43
Trem2	-3.30	Plau	-4.78
Trf	-9.01	Plce1	2.40
Trib3	4.24	Plcl2	-2.57
Tril	4.04	Pld3	2.49
Trim47	2.64	Plec	-1.88
Trp63	3.07	Plekhb1	4.80
Tspan32	-5.21	Plekhg5	5.37
Tspan4	2.48	Plk1s1	3.54
Tspan7	-5.26	Plxdc1	4.87
Tuft1	-2.70	Pnpo	2.31
Tulp2	-6.80	Podxl	3.28
Twist2	5.63	Popdc3	-2.82
Ube2h	-3.37	Pou3f1	5.50
Uchl1	-4.18	Ppap2c	-3.00
Ugp2	-2.10	Ppp1r13b	2.20
Ugt1a10	-4.69	Ppp1r26	2.13
Ugt1a6b	-4.26	Ppp1r9a	4.92
Ugt1a7c	-2.90	Pqlc1	3.12
Unc119	-3.42	Prelp	-2.34
Unc119b	-2.33	Prickle1	5.18
Unc13b	-8.23	Prkcd	2.30
Upk1b	-11.06	Prkcdbp	-2.40
Upk3b	-10.43	Prl2c2	-10.89
Usp2	-5.42	Prl2c3	-10.55
Usp54	-2.72	Prl2c4	-10.68
Vat1l	-2.71	Prodh	-2.51
Vmac	-2.10	Prokr2	2.67
Vopp1	-2.56	Prr15l	5.02
Vsig2	-2.54	Prr7	-3.48
Vsig8	-7.59	Prss12	2.95
Wbscr27	-2.55	Psca	-2.62
Wdr92	-10.21	Psen2	2.93
Wisp2	8.93	Psrc1	2.64
Wnt5b	-2.89	Ptgis	9.04
Xlr4a	-5.10	Ptk2b	2.27
Zbtb7c	-3.08	Ptk7	4.76
Zbtb8b	-6.26	Ptpla	-2.72
Zfp219	-1.96	Ptplad1	1.93
Zfp239	3.00	Ptplad2	2.55
Zfp385a	-2.31	Ptpn22	-3.90
Zfp385b	-4.15	Ptprd	7.32
Zfp579	-2.78	Ptpre	-4.88
Zfp608	2.22	Ptprf	4.79

Zfp612	-4.31
Zfp704	-3.70
Zic4	3.96
Zmat1	-2.34
Ptprn	-3.96
Ptprv	5.74
Ptrh1	-2.89
Pvrl2	3.04
Pvrl3	-2.86
Pxdc1	-3.57
Rabl2	-3.22
Raet1b	-3.77
Raet1c	-4.46
Ralgps1	2.49
Rap1gap	4.35
Rap1gap2	-3.87
Rarres2	6.90
Rasa3	-2.37
Rasa4	-2.85
Rasgrp3	2.58
Rasl11a	4.43
Rasl11b	4.37
Rbm28	2.32
Rbm47	3.25
Rbp1	8.10
Rbpms	3.35
Rcan2	4.76
Rcn3	4.09
Rcsd1	3.49
Rell2	2.72
Rep15	3.47
Rfc5	-1.83
Rgs16	-6.77
Rgs17	-4.19
Rgs3	3.45
Rhbdl1	4.46
Rhebl1	-2.18
Rhobtb1	3.24
Rhoj	-3.52
Rhou	2.63
Rhox5	-2.89
Ripk3	2.09
Rnase4	2.95
Rnf130	3.70
Rora	2.95
Rpp25	6.83
Rps4y2	4.80
Rsad1	1.77
Rsph1	2.50
Rsph9	2.42
Rtn1	7.13
S100a1	5.01
S100a7a	-6.29
Saa3	6.49

Sag	-2.92
Sat2	2.37
Satb1	4.85
Sbk1	3.41
Scara3	-5.00
Scg5	2.11
Scly	-2.97
Scrn1	-2.55
Scube3	2.35
Sdr39u1	2.61
Sdr42e1	2.03
Sdsl	5.02
Sepp1	4.76
11-Sep	-2.39
5-Sep	-2.69
Serf1	1.92
Serpinb1a	4.40
Serpinb6b	2.98
Serpinf1	-4.47
Serping1	4.19
Sesn1	3.78
Sfrp1	4.55
Sgcd	-2.66
Sgk1	-3.63
Sgk3	2.36
Sgms2	-3.00
Sgsm1	-2.69
Sh3d21	4.50
Sh3kbp1	-4.55
Sh3tc1	3.20
Sh3tc2	2.47
Shcbp1	-2.10
Shroom2	4.16
Shroom3	4.22
Six1	-2.94
Slc12a8	2.44
Slc23a3	5.80
Slc24a3	2.90
Slc25a23	3.35
Slc25a37	-2.72
Slc25a45	2.80
Slc29a1	-3.15
Slc30a1	3.06
Slc31a2	2.29
Slc40a1	3.74
Slc44a3	2.93
Slc45a3	3.06
Slc46a1	3.22
Slc48a1	1.88
Slc4a4	3.09

Slc4a8	-3.32
Slc7a4	2.95
Slc7a8	2.57
Slc9a3r1	3.77
Slc9a3r2	2.27
Slit3	3.97
Smad6	3.02
Smim1	7.87
Smpd2	1.83
Smpd3	8.35
Smpdl3b	5.40
Snai1	-2.56
Snca	-3.78
Soat1	2.87
Soga2	-2.29
Soga3	5.56
Sorbs3	2.34
Sort1	3.46
Sox4	2.48
Sox5	3.16
Sp3	2.66
Spata2l	1.73
Spats2l	4.26
Specc1	-2.32
Spink2	-4.64
Spsb1	2.54
Spsb4	-3.62
Srgap3	-3.18
Srpx	3.35
Ssh3	2.88
Stab1	-1.84
Stac2	-4.32
Stambpl1	-4.43
Stard5	3.69
Stc1	-2.64
Stim1	2.36
Stk39	2.52
Strbp	2.70
Sulf1	6.10
Suv39h1	-2.17
Sv2a	3.96
Swap70	-3.13
Syn1	-3.75
Syne3	-2.29
Synj2	-2.60
Sytl2	-3.28
Tacc1	2.21
Tbc1d9	-1.99
Tceal6	4.62
Tead4	-3.78

Tenm3	-3.90
Tfcp2l1	6.60
Tgfb1i1	-3.60
Tgfb3	2.97
Tgfbr1	1.96
Thbd	5.09
Thbs2	-5.03
Tiam2	-3.49
Timp2	1.73
Tln2	-2.31
Tm7sf3	3.40
Tmc4	3.52
Tmem108	8.59
Tmem132a	2.03
Tmem154	2.24
Tmem176a	2.87
Tmem176b	3.38
Tmem178	3.42
Tmem2	2.77
Tmem200a	-4.03
Tmem238	-2.33
Tmem255a	7.55
Tmem40	-2.38
Tmem56	3.27
Tmem64	2.61
Tmem8	2.85
Tmem98	4.26
Tmtc2	4.11
Tnc	-4.68
Tnfrsf1b	1.69
Tnfrsf22	-4.83
Tnfrsf25	3.68
Tnfrsf26	-5.81
Tnnc1	-1.75
Tpbg	-2.71
Tpd52l1	3.39
Tpk1	1.92
Tprn	2.36
Trf	7.06
Trim16	-2.84
Trim30a	-3.35
Trp53inp1	3.98
Tsc22d1	2.39
Tspan12	-3.92
Tspan32	4.50
Tspan4	-2.43
Tspan7	4.12
Ttc30b	2.35
Ttc39b	-2.08
Tuba1a	-2.96

Tubb6	-2.63
Tulp2	6.62
Twist1	-2.16
Twist2	-6.78
Uba1	-1.84
Ube2h	2.98
Uchl1	3.39
Ugp2	2.14
Ugt1a6a	2.56
Ugt1a7c	2.55
Unc119	3.24
Unc119b	1.80
Unc13b	7.64
Unc5b	2.82
Upk1b	10.16
Upk3b	9.54
Upp1	-6.47
Urah	-4.04
Usp2	2.96
Usp53	2.90
Usp54	2.34
Vcam1	-2.22
Vsig8	6.85
Wdr92	9.32
Wipf1	-4.46
Wnt4	4.57
Wnt5b	3.35
Xlr4a	4.84
Xrcc3	2.65
Xxylt1	-2.03
Zbtb7c	4.59
Zbtb8b	7.02
Zcchc3	2.34
Zfp185	3.21
Zfp2	2.16
Zfp385a	2.53
Zfp579	3.29
Zfp608	-2.49
Zfp612	3.94
Zmat1	2.01
Zzz3	1.81