3m-up				3m-down				6m-up				6m-down				3m-6m both up	3m-6m both down	3m-down 6m-up	3m-up 6m-down	3m up Only		6m up Only		3m down Only		6m down Only
Gene	FoldChange	pvalue		Gene	FoldChange	pvalue		Gene	FoldChange	pvalue		Gene	FoldChange	pvalue		Gene	Gene	Gene	Gene	Gene		Gene		Gene		Gene
Mustn1	6.80649306	4.33E-35		Mgat5b	-5.032667	7.4E-35		Adamtsl5	4.4072506	7E-12		H2-Q6	-4.05790817	5.5E-28		Mustn1	Mgat5b	Daam2	Extl1	Endou		Npas2		Itpr3		Ptchd4
Adamtsl5	5.71657308	4.64E-33		Kcnj12	-2.794282	1.59E-26		6030419C1	3.0915986	1.47E-11		Magi2	-2.67779228	3.45E-21		Adamtsl5	Kcnj12	Sptb	Rasl11a	Fam212b		Foxs1		Dock4		Nr4a3
Adamtsl4	3.52697703	3.22E-28		Npr1	-2.154635	5.17E-21		Nupr1	2.2352555	1.91E-11		Astn2	-4.69141325	1.32E-19		Adamtsl4	Npr1	Ncam1	Adm	Aldh1a2		Adamts4		Gas7		Dync1i1
Endou	4.90710957	4.84E-25		Itpr3	-2.031182	3.03E-16		Iqgap1	2.8129685	2.2E-11		Shisa3	-2.79134918	3E-15		Emp2	H2-Q6	Ifngr1	Hs3st3a1	Emp3		Atf3		Antxr2		Sgip1
Fam212b	2.68755653	4.29E-17		H2-Q6	-3.646725	3.9E-16		Lif	4.2680791	3.58E-11		Plat	-3.37611786	2.74E-14		Mtch1	Astn2	Arrb1	Plod2	Nell2		Lif		Col18a1		Rarres1
Aldh1a2	3.00725328	9.93E-17		Dock4	-1.91587	9.74E-15		Samd4	2.3907115	4.73E-11		Ngb	-5.12595696	1.3E-13		Rab7b	Atp8b1	Fam129b	Slain2	Anxa1		Nfkbie		Ggt5		Stk26
Emp2	2.42761005	4.18E-13		Astn2	-2.718523	2.86E-12		Efhd2	2.0466963	5.93E-11		Rdh1	-3.0154924	8.82E-12		Tpm1	Zfp423	Map4	Cdc14a	Gsta4		Tmem164		Eml2		Wif1
Mtch1	1.57665245	1.30E-11		Atp8b1	-1.571777	2.87E-11		Tnfrsf12a	2.7487944	8.35E-10		Thsd7a	-3.15889716	6.73E-11		Socs2	Dock5	Zfp462		Txlnb		Myh9		Il6ra		Sema3e
Rab7b	3.58370756	1.31E-11		Zfp423	-1.7985	3.22E-11		Ucp2	1.9863241	2.9E-09		Ptpro	-3.32267991	1.75E-10		Epha6	Dusp15	Sash1		Lrtm2		Sptb		Wnt4		Kcnf1
Tpm1	1.89051025	4.82E-11		Dock5	-1.873158	5.47E-11		Nfkbie	4.2463112	9.09E-09		Nphs1	-3.21522118	2.56E-10		Tmbim1	Abca5			Serpinb6b		Fosb		Svep1		Unc5c
Emp3	2.80962193	1.05E-10		Gas7	-1.856532	2.26E-10		Map1b	2.4223297	1.38E-08		Angptl2	-3.08267665	3.49E-10		Vopp1	Mafa			Sec16b		Btg2		Mmp17		Cmtm7
Socs2	1.96620893	1.41E-10		Dusp15	-2.954258	6.03E-10		Actn1	2.4566005	6.24E-08		Kcng2	-4.21192074	2.44E-09		Vim	H2-Q7			Gm1673		Reep2		Stat1		Vtcn1
Epha6	3.59669285	4.19E-10		Itga3	-1.485293	1.33E-09		Sdc4	1.4895265	5.02E-07		Mgat5b	-12.1397615	3.54E-09		Sparc	Arvcf			Myoz1		Fosl2		Daam2		Rasl11a
Nell2	2.66949556	6.20E-10		Abca5	-1.839423	2.34E-09		Itpripl2	2.2716069	5.57E-07		Tns2	-1.86698651	2.58E-08		Vash1	Myo1d			Pamr1		Arntl		Agpat4		Gabrb1
Anxa1	2.05174837	1.40E-09		Mafa	-2.30443	8.71E-09		Axl	1.9233591	5.96E-07		Ddn	-2.00935749	2.62E-08		6030419c18rik	Ngb			Il18		Fos		Cdon		P3h2
Tmbim1	1.59035937	1.47E-09		H2-Q7	-2.02682	1.34E-08		Ankrd1	2.8576886	6.14E-07		Snx31	-2.670819	2.65E-08		Ankrd1	Hpca			Sspn		Tubb2b		Csdc2		Dctd
Vopp1	1.84768786	1.54E-09		Arvcf	-1.879672	2.94E-08		Rras2	1.9509684	7.35E-07		Nr4a3	-3.6579814	4.04E-08		Pqlc3	Kcng2			Anks1b		Dok1		Sptb		Lingo2
Gsta4	2.70012013	2.01E-09		Myo1d	-1.634116	2.97E-08		Adamtsl4	3.0265517	9.75E-07		Npr1	-2.07223765	2.13E-07		Serpinb6a	Nphs1			Mycl		Mlkl		Irgm2		R3hdml
Vim	1.81988777	3.58E-09		Ngb	-2.590292	4.2E-08		Dtx4	2.7672728	9.84E-07		Ntng2	-1.91795002	2.61E-07		Ucp2	Igf2bp1			Colgalt2		Nkd1		Tac4		Foxc2
Txlnb	2.88236523	7.17E-09		Zak	-1.428959	7.6E-08		Tuba1a	1.8519474	1.03E-06		Mertk	-1.69183645	2.62E-07		S100a11	Shisa3			Fgl2		Relb		Tmem95		Sncaip
Lrtm2	2.39668123	7.57E-09		Antxr2	-1.869697	1.67E-07		Fosl2	2.9328561	1.2E-06		Zfp423	-2.41965816	3.56E-07		Axl	2010300c02rik			Gulp1		Ppp1r9b		Pla2g7		Ntrk3
Serpinb6b	1.87985374	9.62E-09		Hpca	-2.465737	2.15E-07		2310047M1	2.194988	1.26E-06		Mafa	-5.04369593	3.76E-07		Tuba1a	Thsd7a			Tmsb4x		Gadd45b		Slc37a2		Asb15
Sec16b	2.11339313	1.16E-08		Col18a1	-1.674368	3.84E-07		Cdr2l	2.1577348	1.49E-06		Tmem150c	-1.93447459	2.22E-06		Iqgap1	Ptpro			F2r		Inhbb		Slc38a4		Clic3
Gm1673	3.95784864	1.64E-08		Kcng2	-1.867943	4.11E-07		Emp2	4.0516608	2.18E-06		Lingo2	-2.14451407	2.57E-06		Rras	Sox8			Ccdc80		Scx		Arsj		Gnao1
Myoz1	3.13860515	2.01E-08		Nphs1	-1.749314	7.76E-07		Ahnak	2.6976334	2.23E-06		Fgfbp1	-2.69327108	3.23E-06		Igfbp2	Abca9			Sptbn5		Ifngr1		Ncam1		Aplp1
Sparc	1.77036576	4.98E-08		Igf2bp1	-1.824732	8.68E-07		Arf6	1.5547359	2.33E-06		Enpep	-2.42635646	3.9E-06		Lrrc20	Rdh1			Sync		Rhbdf2		H2-Q4		Nr4a1
Pamr1	2.40852146	7.06E-08		Ggt5	-2.250674	9.78E-07		Tmem164	3.8280994	2.6E-06		Galnt10	-1.70293615	4.57E-06		Pmepa1	Plat			S100a13		Atp8b2		Tlr7		Acpp
Il18	2.96673765	1.20E-07		Shisa3	-1.684125	1.27E-06		Igfbp2	5.5544095	2.88E-06		P3h2	-2.17616902	5.54E-06		Map1b	Npr3			Filip1		Mllt6		Ifngr1		Ccdc167
Sspn	1.9833539	1.53E-07		2010300C0	-1.882458	1.71E-06		Cyr61	2.3084583	3.27E-06		H2-Q7	-2.17395351	8.43E-06		Cry1	Mylk3			Gdnf		Scrn1		Gja3		Tmem150c
Vash1	1.68356917	2.34E-07		Thsd7a	-1.748893	2.18E-06		Sh3pxd2a	2.3630189	3.86E-06		C1qtnf7	-1.74417396	1.01E-05		Stx11	Lingo1			Ccdc109b		Sh3pxd2a		Itga3		Foxl1
Anks1b	1.74373137	5.48E-07		Eml2	-1.571134	2.49E-06		Kank2	1.7257864	6.24E-06		Mapt	-1.59134202	1.26E-05		Cyr61	Angptl2			Arhgap33		Tubb2a		Gdpd5		Wt1
6030419C1	2.90336307	2.11E-06		Ptpro	-1.756181	2.85E-06		Btg2	3.1797293	8.41E-06		Stk26	-2.81322907	1.44E-05		Actn1	Glcci1			2210013o21rik		Itpripl2		Cbfa2t3		St6galnac3
Mycl	1.98519327	2.60E-06		Crb2	-1.499928	3.76E-06		Myh9	3.8140242	9.16E-06		Ephb1	-2.46161502	1.62E-05		Samd4	Fgfbp1			Extl1		Nupr1		Abca2		Dpp4
Colgalt2	1.5036249	2.85E-06		Sox8	-1.831991	4.01E-06		Npas2	7.0308868	1.76E-05		Dpp4	-1.86704265	1.69E-05		Mpp3	Srrm4			Tshb		Arid5a		Mtcl1		Tns2
Ankrd1	3.05191024	2.93E-06		Abca2	-1.46431	4.33E-06		Rbfox2	2.2344546	1.88E-05		Ptchd4	-3.96525575	1.75E-05		Nrep	Steap3			Cbarp		Fam131a		Cables1		Fam65a
Tmem159	1.46913897	3.04E-06		Abca9	-1.803725	4.85E-06		Rras	1.8409666	2.05E-05		Robo2	-1.78059201	1.99E-05		Tnfrsf12a	Pde4b			Necab3		Ncam1		Slco2a1		Foxd2
Pqlc3	1.87383576	3.19E-06		Plce1	-1.362902	8.5E-06		Atf3	4.5903112	2.09E-05		Unc5c	-2.61547902	2.04E-05		Efhd2	Crb2			C1ra		2310047m10rik		Arrb1		Sox5
Fgl2	1.91504599	3.45E-06		Itgb5	-1.37556	1.81E-05		Arhgap19	3.4256365	2.9E-05		Sulf1	-1.94073011	2.46E-05		Il34	Snx31			Rasl11a		Dbndd2		Fat1		Plagl1
Serpinb6a	1.65866743	4.13E-06		Rdh1	-1.902537	1.92E-05		Vopp1	2.1145362	3.61E-05		Sncaip	-2.111089	2.7E-05		Sh3bp5l	Sulf1			Tmem98		Synj2		Sema6c		Arhgap28
Gulp1	2.35403548	4.79E-06		Epn3	-1.273002	1.93E-05		Zfp651	2.0986757	3.92E-05		Metrnl	-1.6666769	4.1E-05		Zbtb42	C1qtnf1			Gpx7		Arrb1		Nek1		Bhlhe41
Ucp2	1.70546158	5.13E-06		Lamb2	-1.321413	2.16E-05		Myof	1.8729388	4E-05		Arvcf	-1.75879302	4.1E-05		Tmem159	Mcc			Nr4a2		Zfp651		Syne1		Ccdc92
S100a11	2.04818114	5.34E-06		Col4a3	-1.36466	3.17E-05		Foxs1	5.903526	4.3E-05		Npnt	-1.63830451	4.61E-05		Arl4c	Tdrd5			Siva1		Hip1		Aagab		C1qtnf7
Axl	1.74007725	5.52E-06		Il6ra	-1.5004	3.35E-05		Tmsb10	1.6406024	5.96E-05		Mcc	-1.47914155	4.73E-05		P2ry6	Htra1			Adm		Emilin1		Lgalsl		Cd55
Tuba1a	1.80513215	5.83E-06		Septin11	-1.223035	3.39E-05		Kank1	1.4389201	6.65E-05		Rarres1	-2.84641966	5.18E-05		Arhgap19	Zak			Ndn		Pitpnm3		Plekhh2		Cryab
Tmsb4x	1.84769488	5.83E-06		Mcc	-1.457492	3.56E-05		Zbtb42	2.7081377	7.17E-05		Pak1	-2.03862617	7.52E-05		Specc1l	Metrnl			Ptgds		Tnfaip2		Hivep1		Amigo2
F2r	1.51952101	6.66E-06		Slco2a1	-1.435952	4.18E-05		Adamts4	4.861665	7.42E-05		Plagl1	-1.80257216	8.61E-05		Timp2	Hspa12a			Myl12a		Plekhh3		Pag1		Hoxc6
Ccdc80	2.57837353	7.57E-06		Mmp23	-1.410072	4.97E-05		Timp2	1.5325919	7.67E-05		Dync1i1	-3.52509295	9.62E-05		Rbfox2	Mmp23			Rarb		Utrn		Vasn		Tm4sf1
Sptbn5	2.30051201	9.06E-06		Wnt4	-1.892254	5.23E-05		Relb	2.7851304	7.83E-05		Plce1	-1.61937438	9.84E-05		Kank2	Bc029214			Cd59b		Ncf2		Smo		Mertk
Iqgap1	2.01340784	1.13E-05		Fat1	-1.418296	6.02E-05		Il34	2.568984	7.99E-05		St3gal6	-1.56840702	0.000109		4930523c07rik	Rassf10			Inf2		Armcx1		Epn3		Mgat5
Anxa2	1.43750519	1.27E-05		Kirrel	-1.3731	6.96E-05		Plekhh3	1.9873879	8.72E-05		Hspa12a	-1.98547814	0.000121		Rras2	Itgb5			Anxa2		Esyt1		Rcsd1		Gas1
Rras	1.87475523	3.05E-05		Htra1	-1.433069	8.27E-05		Stx11	2.2497432	9.67E-05		Ccdc92	-1.75268905	0.000135		Tspan17	Kirrel			Tcf21		Cnp		Dpysl2		Colec12
Sync	1.53310138	5.70E-05		Svep1	-1.67897	0.000114		Nrep	3.2383049	9.98E-05		Hpca	-5.53819544	0.000157		Pea15a	Ntng2			Eml1		Elf4		Crtc1		Adm
Specc1l	1.4346295	7.54E-05		Plat	-1.746345	0.000114		Gadd45b	2.610263	0.000114		Podxl	-1.97220726	0.000196		Ptrf	Mpp5			Hs3st3a1		Cerk		Abr		Npnt
S100a13	1.6642055	0.000105		Npr3	-1.533648	0.000125		Serpinb6a	1.670079	0.00014		Wif1	-2.74308247	0.000224		Lix1l	Col4a3			Marveld1		5730409e04rik		Fam129b		Lrrc49
Igfbp2	7.71498989	0.000145		Snx31	-1.491254	0.000132		Rhbdf2	2.4012709	0.000142		Fam65a	-1.86029567	0.000225		Cdr2l	Plce1			Stxbp1		Hoxc5		Map4		Cep85l
Filip1	1.90164353	0.000167		Mmp17	-1.746787	0.00017		Pea15a	1.8653716	0.000146		Rhbdl3	-1.53609564	0.000226		Ahnak	Fndc5			Fam78b		Sash1		Fryl		Synpo
P2ry6	1.44507114	0.000222		Alcam	-1.35882	0.00017		Vash1	1.6928347	0.000146		Sox5	-1.80320076	0.000231		Myadm	Alcam			Palld		Dusp8		Septin11		Hs3st3a1
Lrrc20	1.5139863	0.000251		Hspa12a	-1.419354	0.000195		Ppp1r9b	2.6430872	0.000166		Lats2	-1.54092211	0.000259		Bnip2	Ephb1			Gpsm2		Plekha2		St3gal3		Zbtb8a
Gdnf	2.3043141	0.000274		Mtcl1	-1.454323	0.000196		Scrn1	2.3754836	0.000183		Steap3	-2.19516433	0.000275		Apba1	Enpep			Tppp		Plekhg2		Rhpn1		Mapt
Rbfox2	1.41065321	0.000309		Arrb1	-1.429194	0.000198		Smim13	1.9613527	0.000186		Pde4b	-1.9644855	0.000315		Gsdmd	Lmx1b			Septin6		Zfp462		Ptpn21		Bcar3
Ccdc109b	2.60509088	0.00034		Mylk3	-2.471945	0.000221		Mllt6	2.3797561	0.000219		Kcnj12	-5.47117618	0.00035		Tmsb10	Sema3g			Zfp385b		Faim		Zfp462		Mafb
Ensa	1.31250531	0.000346		Lingo1	-2.622157	0.000252		Smad6	1.6270728	0.000232		Crb2	-1.87704173	0.00038		Ptpn12	Prx			Plod2		Scd2		Sash1		St3gal6
Arhgap33	1.60017556	0.000353		Stat1	-2.110444	0.000286		Tpm1	1.8510854	0.000247		Pard3b	-1.53057567	0.000405		Ensa	Magi2			Hs3st6		Rnasel		Ptpn14		Hs3st3b1

2210013O2	1.67657309	0.000449		Daam2	-1.826355	0.000337		Plekhg2	1.7899541	0.000307		Gas1	-1.68525303	0.000415		Smim13	Cldn5						Hoxc8		Lzts2		Fmnl2		Pdzd7
Ahnak	1.3758564	0.000473		C1qtnf1	-1.480619	0.000451		Wtip	1.5593518	0.000346		Golim4	-1.75666726	0.000426		Myof	Lamb2						Nde1		Dcdc2a				Arhgap24
Bnip2	1.36040733	0.000479		Agpat4	-1.608234	0.000516		Tnfaip2	2.0174894	0.000353		C1qtnf1	-1.50001319	0.000464		Dtx4	Top1mt						Btg3		Jun				Clic5
Prkg1	1.34091526	0.000491		Cbfa2t3	-1.468897	0.00053		Vim	1.6148652	0.000369		Ntrk3	-2.1108928	0.000478		Ak1	Pak1						Prkg1		Megf8				Lats2
Inf2	1.44636861	0.000628		Cdon	-1.796636	0.000587		Tubb2a	2.2787348	0.000426		Bcar3	-1.59092234	0.000484		Gab2	Nphs2						Ptger4		Actn4				Cd59a
Eml1	1.42835375	0.000631		Aagab	-1.38568	0.000604		Dennd5a	1.495283	0.000535		Sema3e	-2.675892	0.000577		Aif1l	Ddn						Plekhg1		Smad6				Rhbdl3
Ptpn12	1.32801456	0.00064		Gdpd5	-1.483144	0.000685		Tubb2b	2.8686085	0.00054		Foxd2	-1.85737058	0.000659		Sdc4	Tmem108						Tmem54		Golm1				Sema5a
Plekhg1	1.33329857	0.000659		Ephb1	-1.357449	0.000691		Arl4c	1.9096376	0.000602		Asb15	-2.10182553	0.0007		Arf6	Cttnbp2						Bb014433		Nbl1				Wipf3
Stxbp1	1.39644741	0.00069		Dpysl2	-1.260461	0.00076		Emilin1	2.0808318	0.000627		Vtcn1	-2.3736857	0.000713			Podxl						Tspan2		Kif3c				Atp1b2
Fam78b	1.38856013	0.000709		Pag1	-1.315938	0.000774		5730409E0	1.8826567	0.000629		St6galnac3	-1.91811084	0.000831			Galnt10						Gpsm3		Mafk				Slain2
Ptrf	1.38878006	0.000806		Top1mt	-1.321261	0.000932		Gab2	1.7904099	0.000848		Abca9	-2.13962277	0.000887			St6galnac6						Otud7b		Mxra7				Nsf
Pmepa1	1.51771309	0.00082		Csdc2	-2.398897	0.001143		Plekha2	1.7929781	0.001156		Mpp5	-1.48605523	0.000901			Robo2						Anxa3		Klc1				Chst1
Zfp385b	1.37461697	0.001071		Angptl2	-1.607882	0.001146		Nkd1	2.8077902	0.00129		Cmtm7	-2.39474533	0.000902			Gpc1						Ifitm2		Unc13b				Car13
Rarb	1.47063567	0.001275		Sptb	-1.822712	0.001316		Amotl2	1.5358299	0.001388		Slain2	-1.49090505	0.000902			Mylk						Vamp2		Wtip				Nab2
Extl1	1.92881648	0.001288		BC029214	-1.394853	0.00146		Cerk	1.9052973	0.001539		BC029214	-1.9827474	0.00111			Col4a5						Prmt2		Daam2				Extl1
Map1b	1.53016857	0.001615		Irgm2	-1.784569	0.001546		Tmbim1	1.6270232	0.001771		Tmem108	-2.28811434	0.001167			Pcsk6						Rab3b		Amotl2				Cdc14a
Marveld1	1.40894	0.001671		Galnt10	-1.267062	0.001691		Scx	2.5113652	0.001945		Cldn5	-2.32813242	0.001171			Pard3b						Slc9a3r2		Srf				Arhgef26
Cry1	1.64534394	0.001859		Mpp5	-1.36517	0.002244		Arid5a	2.2342733	0.00205		Sgip1	-3.33313958	0.001204			Golim4						Lrrfip1		Vgll3				Flrt2
Myl12a	1.49166273	0.002151		Ntng2	-1.371928	0.002295		Mxra7	1.5897781	0.002056		Npr3	-1.64676865	0.001259									Slain2		Mdfic				Myo1e
Stx11	2.11262918	0.002221		Nek1	-1.403813	0.00232		Mustn1	3.3575563	0.002073		Htra1	-1.68546157	0.001334									Nebl		Sipa1l2				Cdkn1c
Prmt2	1.27566112	0.00223		Syne1	-1.399385	0.002366		Agap1	1.4370876	0.002074		Arhgap24	-1.55902554	0.001499									Bmpr1a		Dennd5a				Vegfa
Plod2	1.3730615	0.002341		Abr	-1.255787	0.002396		Sptb	3.7994686	0.002098		Cep85l	-1.62338013	0.001595									Setd7		Mprip				Plod2
Cyr61	1.96297719	0.002408		Fryl	-1.226741	0.002597		Mtch1	1.5354613	0.002178		Foxl1	-1.93352516	0.00163									Cdc14a		Nfe2l1				Tgfa
Nde1	1.35484	0.00262		Tac4	-3.444897	0.002695		Mprip	1.481425	0.002198		Alcam	-1.56451514	0.001714									Msrb3		Zbtb46				Iqgap2
Tshb	1.56330805	0.002734		Sulf1	-1.487657	0.002804		Specc1l	1.5418751	0.002428		Aplp1	-2.05771221	0.001873									Pde3b		Nck2				
Myof	1.29586591	0.003301		Tmem95	-5.839602	0.003034		Mdfic	1.5009287	0.002438		Bhlhe41	-1.75280497	0.001955									Natd1		Gadd45a				
Efhd2	1.48020334	0.003389		Pla2g7	-1.71737	0.003132		Atp8b2	2.4006176	0.002479		Col4a3	-1.58661692	0.002222									Cd151		Kank1				
Myadm	1.36486527	0.003886		Slc37a2	-1.732492	0.00356		Synj2	2.146863	0.00248		Cryab	-1.73786998	0.00231									Fndc3b		Agap1				
Cbarp	1.82473275	0.004214		Glcci1	-1.53041	0.004139		Sash1	1.8094853	0.002509		Colec12	-1.67783169	0.002537											Luzp1				
BB014433	1.32218916	0.00428		Rassf10	-1.383902	0.00436		Socs2	1.8162312	0.002901		Nphs2	-2.43886859	0.00254											Fam129b				
Actn1	1.8265251	0.004573		Fgfbp1	-1.633148	0.004423		Dusp8	1.8001577	0.002913		Rassf10	-2.28215086	0.002554											Rnf150				
Cdr2l	1.37593196	0.005569		Srrm4	-1.603317	0.004445		Sh3bp5l	1.8672276	0.002921		Vegfa	-1.38312706	0.00256											Prkci				
Timp2	1.42377211	0.005609		Steap3	-1.561589	0.00571		Mafk	1.5908218	0.002943		Sema3g	-1.61784198	0.002599											Map4				
Ptger4	1.33933457	0.005819		Prx	-1.341235	0.00594		Ensa	1.4142266	0.003098		Sox8	-2.31293073	0.002898											Itgb1				
Arhgap19	1.43513094	0.006335		St6galnac6	-1.259908	0.007211		Arrb1	2.1016158	0.003468		Wt1	-1.92777871	0.0029											Tssc4				
Necab3	1.68616983	0.006352		Slc38a4	-1.68974	0.007352		Ifngr1	2.4367658	0.00356		Arhgap28	-1.75622601	0.003358											Cd2ap				
Tppp	1.3768922	0.006725		Rcsd1	-1.262077	0.007611		Kif3c	1.603181	0.003652		Mgat5	-1.68655733	0.003441											Ldlrap1				
Samd4	1.62571038	0.0068		Cldn5	-1.335269	0.007782		Mlkl	2.8619584	0.003966		Mmp23	-1.9133983	0.003541											Fgfr1				
Kank2	1.40342053	0.006812		Vasn	-1.276655	0.007902		P2ry6	1.5993004	0.004166		Nr4a1	-2.00294661	0.003622															
Cd59b	1.46050215	0.006851		Crtc1	-1.258226	0.008012		Dbndd2	2.1771159	0.004488		Kirrel	-1.34044349	0.003646															
C1ra	2.60359111	0.007245		Pde4b	-1.669679	0.008843		Actn4	1.6350879	0.004745		Mafb	-1.58658771	0.004566															
Smim13	1.30096591	0.007448		Gpc1	-1.251992	0.008933		Rnf150	1.3773527	0.004801		Itgb5	-1.37669455	0.004887															
Vamp2	1.28079318	0.007582		Enpep	-1.354679	0.009179		Hip1	2.0923066	0.00489		Top1mt	-1.74866839	0.005078															
Otud7b	1.31406153	0.007764		Smo	-1.276091	0.009199		Utrn	1.966396	0.004992		Lrrc49	-1.62518913	0.005137															
Gab2	1.24895724	0.007965		Magi2	-1.338158	0.009582		Rab7b	2.2027075	0.004997		Fndc5	-1.79495477	0.005226															
Ifitm2	1.28376023	0.008017		Lmx1b	-1.352408	0.010055		Arntl	2.8860788	0.005086		Foxc2	-2.11934448	0.005353															
Gpsm3	1.317384	0.008162		Cables1	-1.448865	0.010348		Dok1	2.8642415	0.005341		Hoxc6	-1.71172672	0.005475															
4930523C0	1.39973188	0.008439		Plekhh2	-1.340605	0.010975		Nck2	1.4535811	0.005416		Lingo1	-4.91500071	0.005778															
Rasl11a	1.75867851	0.008702		Ddn	-1.29746	0.01243		Tmem159	1.4934941	0.005545		Mylk3	-4.4923905	0.005782															
Mpp3	1.50175625	0.009352		St3gal3	-1.218474	0.013323		Lrrc20	1.7909523	0.005575		Sema5a	-1.52328786	0.00595															
Palld	1.38596571	0.009357		Nphs2	-1.309206	0.01357		Lzts2	1.7090774	0.005858		Mylk	-1.45586895	0.006365															
Arl4c	1.45251317	0.009376		Arsj	-1.730099	0.013746		Nfe2l1	1.4723101	0.005923		Atp8b1	-1.47537958	0.007275															
Tmem98	1.59485585	0.009718		Hivep1	-1.332384	0.014485		Ncf2	1.9536964	0.006037		Kcnf1	-2.65616852	0.007708															
Gpx7	1.77077969	0.010057		Ptpn21	-1.200758	0.015468		Ldlrap1	1.3179015	0.006046		Lamb2	-1.47551345	0.007868															
Ak1	1.26683233	0.010173		Robo2	-1.258869	0.016594		Cry1	2.1057717	0.006102		Tdrd5	-2.29116143	0.008002															
Lix1l	1.37952151	0.010733		Mylk	-1.205272	0.017062		Pitpnm3	2.0181957	0.006668		R3hdml	-2.11942516	0.008531															
Pea15a	1.3907285	0.011961		Sema3g	-1.349404	0.018061		Fam129b	1.3989919	0.007705		Col4a5	-1.39171174	0.008609															
Rab3b	1.2755931	0.012055		Podxl	-1.282074	0.018459		Srf	1.5331747	0.007832		Nab2	-1.47370536	0.00879															
Sh3bp5l	1.47529916	0.012426		Tdrd5	-1.448351	0.020889		S100a11	1.5479941	0.008406		Srrm4	-2.33388165	0.009359															
Tmem54	1.32978194	0.012824		Ptpn14	-1.192924	0.020949		Esyt1	1.940271	0.009792		Rasl11a	-2.33787095	0.010017															
Nr4a2	1.65209254	0.013366		Lgalsl	-1.365536	0.022451		Reep2	2.9877179	0.009792		Dusp15	-4.05283425	0.010757															
Siva1	1.53551196	0.013394		Zfp462	-1.200534	0.023077		Aif1l	1.5304401	0.00986		Lmx1b	-1.62241481	0.011328															
Hoxc8	1.3555487	0.015166		Cttnbp2	-1.2826	0.023166		Mpp3	2.0788989	0.010257		Cd59a	-1.5361178	0.011357															
Bmpr1a	1.21910288	0.017499		Pard3b	-1.184459	0.024074		Dcdc2a	1.6843245	0.010291		St6galnac6	-1.38845674	0.011414															
Tspan2	1.31898472	0.018327		Ncam1	-1.50384	0.025146		Bnip2	1.5293251	0.010548		Tm4sf1	-1.69766975	0.012023															

Hs3st3a1	1.41663054	0.018793		Golim4	-1.178974	0.027668		Cnp	1.9375208	0.011169		Amigo2	-1.72949301	0.012763																					
Cd151	1.13994961	0.020221		Metrnl	-1.420479	0.027992		Rnasel	1.7179344	0.011228		Flrt2	-1.43528293	0.013562																					
Btg3	1.34259254	0.020784		Rhpn1	-1.214347	0.02831		Ak1	1.6498838	0.011475		Adm	-1.66386326	0.013945																					
Gsdmd	1.33970704	0.020858		Pak1	-1.314955	0.030993		Scd2	1.7406294	0.011833		Synpo	-1.62033059	0.01401																					
Septin6	1.37620424	0.02109		Fndc5	-1.35946	0.032373		Jun	1.6806693	0.012342		Gabrb1	-2.2442078	0.014021																					
Hs3st6	1.36081672	0.021143		Fmnl2	-1.184391	0.033752		Itgb1	1.3618696	0.012901		Zbtb8a	-1.59206687	0.015287																					
Tcf21	1.43205419	0.021441		Gja3	-1.485882	0.034115		4930523C0	1.6611149	0.013558		Clic3	-2.08087114	0.015501																					
Sdc4	1.21466921	0.021525		Sema6c	-1.405049	0.035913		Gsdmd	1.7516113	0.014004		Pdzd7	-1.56482376	0.015588																					
Adm	1.5506524	0.022074		H2-Q4	-1.516783	0.037101		Ptpn12	1.4441495	0.014594		Clic5	-1.54671382	0.016299																					
Rras2	1.39604133	0.022362		Col4a5	-1.204843	0.037597		Elf4	1.9217522	0.015485		Dock5	-1.30400103	0.017193																					
Anxa3	1.31014481	0.023072		Sash1	-1.194551	0.042469		Daam2	1.5506459	0.015644		Zak	-1.39229101	0.017806																					
Il34	1.47902675	0.023839		Tmem108	-1.287165	0.043261		Faim	1.7801179	0.016666		Extl1	-1.47216915	0.018638																					
Slc9a3r2	1.26028615	0.024228		Tlr7	-1.634643	0.047376		Hoxc5	1.8166163	0.017401		Cttnbp2	-1.50737824	0.019291																					
Cdc14a	1.2054196	0.024524		Pcsk6	-1.18785	0.047644		Armcx1	1.9408031	0.01791		Prx	-1.40567412	0.019621																					
Lrrfip1	1.2401355	0.025952		Fam129b	-1.250929	0.047923		Fosb	3.6308394	0.018049		Pcsk6	-1.73421042	0.02221																					
Pde3b	1.19179583	0.02596		Map4	-1.229126	0.049327		Zfp462	1.7895342	0.020661		Wipf3	-1.51721957	0.02261																					
Aif1l	1.23159381	0.029422		Ifngr1	-1.573853	0.049638		Klc1	1.5807223	0.021081		Cdkn1c	-1.39382914	0.02282																					
Ndn	1.62240229	0.029783						Zbtb46	1.4585629	0.021506		Myo1e	-1.39549863	0.024178																					
Nebl	1.23300468	0.032464						Tspan17	1.8686411	0.022103		Car13	-1.47983451	0.027747																					
Msrb3	1.19936927	0.034308						Ptrf	1.6154534	0.022236		Gnao1	-2.07878343	0.028518																					
Zbtb42	1.47348141	0.034335						Cd2ap	1.332982	0.022946		2010300C0	-1.72202152	0.028727																					
Tspan17	1.39423267	0.03497						Prkci	1.3725446	0.023502		Dctd	-2.1602686	0.030738																					
Ptgds	1.6818209	0.036519						Lix1l	1.4557304	0.023643		Hs3st3b1	-1.56766557	0.031949																					
Apba1	1.3601567	0.037446						Inhbb	2.5839835	0.024095		Tgfa	-1.35580717	0.032209																					
Dtx4	1.29465925	0.039657						Unc13b	1.5734896	0.02445		Myo1d	-1.38635551	0.032638																					
Fndc3b	1.11625284	0.040151						Tssc4	1.3481212	0.024942		Cdc14a	-1.47127853	0.033546																					
Tmsb10	1.33859876	0.040712						Gadd45a	1.4436917	0.025288		Igf2bp1	-1.66704991	0.037251																					
Nrep	1.66864946	0.041367						Sipa1l2	1.4979766	0.026054		Atp1b2	-1.50327614	0.037675																					
Natd1	1.18837024	0.041911						Fam131a	2.2215602	0.026742		Cd55	-1.7410842	0.038423																					
Slain2	1.23979848	0.044591						Apba1	1.4196189	0.02749		Acpp	-1.97016604	0.038705																					
Arf6	1.16542977	0.044974						Myadm	1.3501059	0.028134		Chst1	-1.48076011	0.040442																					
Gpsm2	1.38256968	0.045001						Nbl1	1.6061003	0.02978		Abca5	-1.45372857	0.042784																					
Tnfrsf12a	1.49720444	0.046321						Epha6	1.7137605	0.031022		Arhgef26	-1.44739641	0.043349																					
Setd7	1.21284715	0.047316						Luzp1	1.4058616	0.032897		Plod2	-1.3568187	0.044091																					
								Ncam1	2.2008671	0.033157		Iqgap2	-1.20643488	0.044273																					
								Megf8	1.6477657	0.033175		Gpc1	-1.25577102	0.044511																					
								Vgll3	1.5140814	0.033687		Hs3st3a1	-1.6081726	0.0446																					
								Map4	1.3708579	0.03542		Glcci1	-1.53685615	0.044668																					
								Golm1	1.6195464	0.036524		Ccdc167	-1.96055743	0.046436																					
								Pqlc3	1.7488156	0.037679		Nsf	-1.4846579	0.047178																					
								Fos	2.8730179	0.04493																									
								Fgfr1	1.2212663	0.046167																									
								Sparc	1.3496472	0.048108																									
								Pmepa1	1.2771052	0.048582																									