

Supplementary Table 1. Significantly upregulated genes in miR-29b knockdown cells upon rapamycin treatment in Tsc2^{-/-} MEFs, as quantified by RNA-sequencing

Gene	Fold change	pval	padj	In CI	TS Target
AW551984	6.67178593	1.90E-63	3.02E-60	-	-
Rspo2	5.45888385	8.90E-79	3.54E-75	yes	-
Sfrp1	4.74831288	2.08E-187	3.30E-183	yes	-
C1ql3	4.74572992	5.21E-30	1.31E-27	yes	-
Rnf144a	4.62667256	1.15E-37	4.81E-35	yes	-
Mgp	4.61037148	1.23E-21	1.87E-19	yes	-
Ptn	4.49730585	4.01E-44	2.36E-41	yes	-
Aspn	4.45289934	1.93E-20	2.58E-18	-	-
Gm4070	4.38626811	3.84E-37	1.53E-34	-	-
Slc5a7	4.2904144	1.91E-65	3.38E-62	yes	-
Lrrc17	4.2043798	2.08E-17	2.12E-15	-	-
Bmp3	4.11608849	4.31E-16	3.71E-14	yes	-
Nov	4.04058449	2.18E-61	3.15E-58	yes	-
Phactr2	3.98097552	1.02E-33	3.31E-31	yes	yes
Scara3	3.97891754	2.83E-76	7.49E-73	yes	-
Trp63	3.97183585	4.64E-14	3.17E-12	-	-
Wnt16	3.92352393	1.13E-13	7.42E-12	yes	-
Ch25h	3.73723685	2.56E-47	1.70E-44	-	-
Gabrb3	3.62023161	2.05E-10	9.23E-09	yes	-
Cxcl5	3.60006761	1.83E-15	1.44E-13	yes	-
Figf	3.56355947	2.05E-33	6.51E-31	yes	-
Col28a1	3.54700902	2.10E-14	1.50E-12	-	-
Serpine2	3.54446774	5.56E-15	4.23E-13	yes	-
Cdh10	3.53010721	4.19E-30	1.07E-27	yes	-
Pgm5	3.50903904	1.06E-14	7.84E-13	yes	-
Ogn	3.46002149	5.78E-22	9.10E-20	yes	-
Aoc3	3.4570321	2.85E-34	9.44E-32	yes	-

Ly6a	3.43087366	1.19E-48	9.03E-46	-	-
Elfn1	3.41117791	1.50E-51	1.59E-48	-	-
Fap	3.34567429	5.72E-10	2.45E-08	yes	-
Kcnj2	3.32686656	3.57E-24	6.67E-22	yes	-
Plagl1	3.28318262	8.72E-11	4.24E-09	yes	-
Dysf	3.24285159	8.03E-30	1.99E-27	yes	-
S1pr3	3.2428381	2.13E-106	1.70E-102	-	-
Ppbp	3.23829631	9.04E-20	1.14E-17	yes	-
Tmem252	3.22828512	1.90E-08	6.50E-07	-	-
Igfbp5	3.21951863	4.03E-33	1.26E-30	yes	-
Fibin	3.19577536	3.78E-10	1.65E-08	-	-
Gfra2	3.15740647	1.33E-20	1.82E-18	yes	-
Them7	3.15389144	7.10E-08	2.16E-06	-	-
Sned1	3.13928498	7.81E-15	5.91E-13	-	-
Plin4	3.10279418	2.38E-50	2.10E-47	-	-
Gem	3.10258127	6.95E-23	1.19E-20	yes	-
Dchs1	3.02237987	1.26E-16	1.15E-14	yes	-
Vcan	3.01401375	3.42E-22	5.49E-20	yes	-
Capn6	2.9915206	6.65E-44	3.65E-41	yes	-
Bace2	2.97912158	5.72E-12	3.16E-10	yes	-
Rab3il1	2.96048799	4.66E-17	4.63E-15	yes	-
Nsg1	2.95604248	1.32E-43	6.98E-41	-	-
Tgfbi	2.95432184	1.30E-21	1.95E-19	yes	-
Lgr5	2.94278063	1.16E-15	9.43E-14	-	-
Dgkk	2.93611403	5.59E-12	3.09E-10	-	-
Cxcl1	2.92496832	7.41E-17	7.09E-15	yes	-
P2ry1	2.91889234	2.46E-07	6.68E-06	yes	-
Six1	2.90967093	1.08E-20	1.49E-18	yes	-
Enpp2	2.90724972	1.23E-13	8.05E-12	yes	-
Penk	2.88623946	4.71E-07	1.23E-05	-	-
Ntf3	2.88326812	4.21E-08	1.34E-06	yes	-
Rspo3	2.88039367	1.32E-27	3.04E-25	-	-

Ebf3	2.85638213	1.41E-35	4.87E-33	yes	-
Plxnc1	2.85123905	6.64E-07	1.68E-05	yes	-
Sorcs1	2.84425931	1.56E-10	7.18E-09	yes	-
Elmo1	2.82040628	3.00E-50	2.51E-47	yes	-
Itga11	2.79784298	9.17E-25	1.78E-22	yes	yes
Negr1	2.78669286	9.05E-11	4.39E-09	-	yes
Tspan11	2.75886335	2.15E-06	4.83E-05	-	-
Apob	2.74645947	1.95E-06	4.43E-05	yes	-
Nrcam	2.72347949	2.17E-22	3.52E-20	yes	-
Ly6c1	2.69499389	6.36E-27	1.40E-24	-	-
Murc	2.686653	5.14E-20	6.70E-18	-	-
Hic1	2.66914374	5.32E-15	4.09E-13	yes	-
Dgki	2.6575853	7.85E-09	2.84E-07	yes	-
Lppr4	2.64442673	8.95E-08	2.66E-06	yes	yes
Pcdh17	2.63376203	5.35E-21	7.66E-19	yes	-
Syne4	2.62580904	2.41E-08	8.02E-07	-	-
Zfx4	2.62194605	6.85E-14	4.62E-12	-	-
Gas2	2.61600627	7.49E-12	4.07E-10	-	-
Kc-4	2.61230256	1.57E-10	7.22E-09	yes	-
Kcnmb4	2.61197665	7.92E-29	1.88E-26	-	-
Serpib1a	2.59990156	8.25E-15	6.19E-13	-	-
Abcd2	2.58904313	4.72E-13	2.86E-11	yes	-
Serpi-3f	2.57678827	5.44E-18	6.13E-16	-	-
Fxyd7	2.57508133	6.42E-09	2.36E-07	yes	-
Agap2	2.57157994	6.74E-37	2.55E-34	-	-
Fbln7	2.56636078	5.09E-06	1.05E-04	-	-
Emilin1	2.55478697	3.05E-13	1.91E-11	yes	-
Mylip	2.55366628	7.95E-24	1.42E-21	yes	-
Myl9	2.55026294	2.72E-32	8.01E-30	yes	-
Igf1	2.54613691	3.48E-11	1.74E-09	yes	yes
Sim2	2.53465431	3.43E-36	1.21E-33	yes	-
En1	2.52735618	4.28E-21	6.25E-19	yes	yes

Mpped2	2.51151345	2.28E-16	2.00E-14	yes	-
Adora2b	2.50652565	1.26E-41	6.09E-39	yes	-
Tbx5	2.50342633	1.21E-26	2.56E-24	yes	-
Slc38a4	2.4971682	9.86E-71	1.96E-67	yes	-
Epha3	2.49565412	6.40E-11	3.14E-09	yes	-
Gm2115	2.47869713	1.18E-25	2.40E-23	-	-
Cck	2.47489617	1.57E-09	6.27E-08	yes	-
Hoxc5	2.46631658	1.07E-46	6.81E-44	-	-
Mfap5	2.46548419	2.66E-10	1.18E-08	yes	-
Matn2	2.45393154	1.82E-50	1.70E-47	yes	-
Htr2a	2.44432988	1.27E-17	1.34E-15	yes	-
Tshz3	2.44321699	3.31E-13	2.07E-11	yes	-
Postn	2.42877526	5.82E-08	1.79E-06	-	-
Ednra	2.42133048	1.91E-08	6.50E-07	yes	-
Lck	2.40888747	5.06E-06	1.05E-04	yes	-
Gabra3	2.40631415	5.51E-08	1.71E-06	yes	-
Zdhhc15	2.40155026	1.03E-09	4.20E-08	-	yes
Mcf2l	2.39018949	1.82E-09	7.19E-08	yes	-
Hoxa6	2.38577998	9.13E-10	3.77E-08	-	-
Medag	2.37695897	1.01E-50	1.00E-47	-	-
Adamtsl3	2.37115176	7.06E-10	2.96E-08	yes	-
Pde1b	2.35190535	5.07E-06	1.05E-04	yes	-
Il1r1	2.3424301	4.99E-21	7.21E-19	yes	-
Slc16a9	2.33382599	1.72E-07	4.81E-06	yes	-
Mfap2	2.33328898	4.80E-09	1.80E-07	yes	yes
Mark1	2.31533669	1.71E-11	8.92E-10	yes	-
Id4	2.31368105	1.61E-16	1.44E-14	yes	-
Arhgap36	2.31048544	9.97E-05	1.48E-03	-	yes
Mapkapk3	2.30462976	9.83E-32	2.79E-29	yes	-
Crabp2	2.30204654	2.85E-10	1.27E-08	yes	-
Tgtp2	2.30162532	5.22E-05	8.29E-04	-	-
Mmp9	2.30092666	1.45E-06	3.42E-05	yes	-

Ednrb	2.29911081	9.39E-05	1.40E-03	yes	-
Hgf	2.29633321	7.38E-05	1.13E-03	yes	-
Rgag4	2.29545953	1.05E-10	5.02E-09	-	yes
Prkg1	2.29296765	5.01E-07	1.29E-05	yes	yes
Ssc5d	2.28877239	1.69E-27	3.79E-25	-	-
Irx3	2.28755432	1.32E-12	7.78E-11	-	-
Prrx1	2.28519456	1.78E-30	4.79E-28	yes	-
Mecom	2.27929238	1.50E-11	7.82E-10	-	-
Bnip3	2.26906195	8.99E-16	7.36E-14	yes	-
Diras2	2.26410678	5.01E-05	8.01E-04	yes	-
Sfmbt2	2.2539617	3.55E-12	2.02E-10	-	-
Sema5a	2.25190505	1.55E-15	1.24E-13	-	-
Hoxb5	2.25138533	1.12E-16	1.03E-14	yes	-
B4galnt1	2.24875112	5.19E-17	5.09E-15	yes	-
Lrch2	2.24813084	5.47E-10	2.35E-08	-	-
Tlr1	2.23914973	1.40E-04	1.99E-03	yes	-
Ctca3a2	2.23756718	1.62E-04	2.27E-03	-	-
Hoxb9	2.23332312	2.39E-24	4.53E-22	yes	-
Bhlhe41	2.23097446	7.29E-08	2.21E-06	-	-
Thbs2	2.22846917	3.50E-38	1.54E-35	yes	-
Calml4	2.22751477	2.10E-08	7.13E-07	-	-
Svip	2.22044063	8.70E-06	1.70E-04	-	-
Rnls	2.21330151	4.75E-05	7.68E-04	-	-
Arhgap20	2.21072412	3.63E-05	6.02E-04	-	yes
Il6	2.20984779	1.51E-06	3.53E-05	yes	-
Cyp2j6	2.198487	6.09E-07	1.55E-05	-	-
Gm5662	2.19838338	1.90E-04	2.60E-03	-	-
Arrdc3	2.19748909	1.11E-10	5.30E-09	yes	yes
Hoxb8	2.19572595	1.04E-12	6.18E-11	yes	-
Serpinf1	2.1913577	5.51E-15	4.21E-13	yes	-
Rnf130	2.17567943	1.32E-07	3.80E-06	yes	-
Tbx3	2.16872932	6.67E-16	5.58E-14	yes	-

Hoxc4	2.16613326	3.85E-24	7.12E-22	yes	-
Nr2f1	2.16064642	3.53E-14	2.42E-12	yes	-
S1pr1	2.15972706	1.45E-35	4.90E-33	-	-
Mmp19	2.15669625	2.20E-19	2.74E-17	yes	-
Tac1	2.14174096	3.90E-04	4.83E-03	yes	-
Cpxm1	2.14070797	4.27E-20	5.65E-18	yes	-
Grb10	2.13698088	2.10E-43	1.08E-40	yes	-
Dclk1	2.1316787	4.35E-16	3.72E-14	yes	yes
H2-Q1	2.12814286	3.64E-04	4.56E-03	-	-
Pdgfra	2.12720784	5.49E-59	7.28E-56	yes	-
Pros1	2.12545984	3.11E-19	3.78E-17	yes	-
Tcf4	2.11757197	1.99E-52	2.27E-49	yes	-
Rragd	2.11645821	1.96E-05	3.50E-04	yes	-
Adh1	2.11626457	2.38E-04	3.16E-03	-	-
Lrrc32	2.11618976	1.47E-17	1.54E-15	-	-
Rasgrp3	2.11392618	2.81E-17	2.83E-15	yes	-
Pcdhb21	2.11232672	3.21E-08	1.04E-06	-	-
Zfp365	2.10450801	2.78E-25	5.53E-23	-	-
Dlk1	2.10348423	5.71E-08	1.76E-06	yes	-
Abi3bp	2.10000535	2.85E-08	9.37E-07	yes	-
Serpi-3n	2.09989763	1.94E-06	4.42E-05	-	-
Nfatc4	2.09812117	3.44E-19	4.11E-17	yes	yes
Rarb	2.09483992	1.06E-09	4.32E-08	yes	yes
Notch3	2.09432015	5.17E-19	6.00E-17	yes	-
Bzrap1	2.08815963	5.12E-06	1.06E-04	yes	-
Pid1	2.08701504	7.71E-06	1.53E-04	yes	-
Fam161a	2.08614292	7.12E-06	1.43E-04	-	-
Mafb	2.08546196	5.63E-05	8.91E-04	yes	yes
Artn	2.08395915	1.47E-04	2.08E-03	yes	-
Apln	2.07421149	5.57E-07	1.43E-05	yes	-
Enpp3	2.0693476	3.72E-04	4.64E-03	yes	-
Ms4a4d	2.0686248	1.29E-06	3.08E-05	-	-

Htra3	2.06772167	7.67E-07	1.92E-05	-	-
Pla2g7	2.06727168	7.03E-14	4.72E-12	yes	-
Qpct	2.06504182	8.49E-06	1.67E-04	-	-
Phospho1	2.06413596	1.31E-11	6.85E-10	yes	-
Fendrr	2.06123501	2.77E-04	3.60E-03	-	-
Dkk3	2.06007948	1.84E-07	5.13E-06	yes	-
Hoxc6	2.05877761	5.94E-22	9.26E-20	-	-
Cish	2.05836667	7.48E-05	1.14E-03	yes	-
Slc40a1	2.05133341	1.37E-05	2.56E-04	yes	-
Gpr88	2.04700837	1.06E-05	2.04E-04	-	-
Lynx1	2.04553043	6.36E-12	3.49E-10	-	-
Dok5	2.04458919	6.29E-07	1.59E-05	yes	-
Irak3	2.04332119	6.69E-09	2.45E-07	yes	-
Hoxa5	2.04022321	1.59E-10	7.28E-09	yes	-
Pdp1	2.03382564	1.37E-13	8.87E-12	-	-
Hoxc8	2.03353384	1.99E-16	1.76E-14	yes	-
Meg3	2.02079223	2.29E-32	6.88E-30	-	-
Car13	2.02057374	1.04E-20	1.46E-18	-	-
Rps6ka6	2.0194774	2.14E-07	5.92E-06	yes	-
Il1rn	2.01712851	2.64E-18	3.00E-16	yes	-
Tril	2.01618497	1.82E-08	6.22E-07	-	yes
Setbp1	2.01526003	3.04E-15	2.38E-13	yes	-
Tmem74	2.01446955	1.88E-04	2.58E-03	yes	-
Ttyh2	2.01411492	4.79E-75	1.09E-71	yes	yes
Satb2	2.01236639	1.81E-06	4.16E-05	yes	-
C1qtnf6	2.00667503	9.25E-09	3.31E-07	yes	yes
Nhs	2.00473563	4.96E-07	1.29E-05	-	-
Hoxa7	2.00285781	2.25E-08	7.56E-07	yes	-
Anpep	1.99247414	3.27E-06	7.12E-05	yes	-
Ddr2	1.99001734	4.33E-09	1.64E-07	yes	-
Gsap	1.98773165	4.02E-09	1.53E-07	-	-
Emilin2	1.98525868	1.17E-56	1.43E-53	yes	-

Sema6b	1.98164289	2.10E-06	4.74E-05	-	-
Cacng7	1.97847523	5.04E-20	6.62E-18	-	-
Rab39b	1.96961274	3.10E-07	8.27E-06	yes	-
Bach2	1.96888521	1.80E-07	5.01E-06	yes	yes
Gm15446	1.96856452	4.97E-05	7.97E-04	-	-
Prdm11	1.9681825	5.57E-18	6.23E-16	-	-
Cda	1.96644795	6.38E-04	7.32E-03	yes	-
Cdhr1	1.96628576	3.54E-11	1.77E-09	-	-
Col6a3	1.96539869	5.34E-06	1.10E-04	yes	yes
Dock3	1.96311542	1.71E-03	1.66E-02	yes	-
Stc2	1.96268684	7.01E-05	1.08E-03	yes	-
Nrg1	1.96176197	4.36E-12	2.45E-10	yes	-
Slc1a3	1.96051	1.23E-31	3.43E-29	yes	-
Lrrk2	1.95815912	1.37E-08	4.80E-07	yes	-
Syt13	1.9570261	5.61E-10	2.40E-08	yes	-
Clmp	1.95616084	9.45E-11	4.57E-09	-	-
Grem1	1.9558219	1.29E-11	6.82E-10	yes	-
Tnfsf15	1.95101923	4.26E-07	1.12E-05	yes	-
Col24a1	1.94967682	1.67E-03	1.63E-02	yes	yes
Spib	1.94894584	2.25E-05	3.95E-04	yes	-
Plcl2	1.94874862	1.41E-03	1.42E-02	yes	-
Plag1	1.94842041	1.38E-03	1.40E-02	yes	yes
Osr1	1.9475657	8.38E-24	1.46E-21	yes	-
Igtp	1.94651168	7.57E-05	1.16E-03	-	-
Lrfn3	1.94590732	3.61E-04	4.53E-03	-	-
Ptpm	1.9444296	1.62E-22	2.72E-20	yes	-
Hoxa4	1.94394042	1.17E-07	3.40E-06	-	-
Rtl1	1.94134699	8.66E-05	1.30E-03	-	-
Fzd1	1.93988348	1.33E-19	1.67E-17	yes	-
Sdc3	1.93945594	3.63E-29	8.74E-27	yes	-
Ebf1	1.93683358	1.23E-06	2.96E-05	yes	-
Wnk3	1.93639597	1.28E-04	1.84E-03	yes	-

Angpt1	1.93378312	1.63E-04	2.28E-03	yes	-
Zfp804a	1.93320549	2.08E-03	1.95E-02	-	-
Frzb	1.93293349	1.93E-04	2.63E-03	yes	-
Lhfp12	1.92933544	1.68E-17	1.75E-15	-	-
Aldh1a7	1.92815763	1.21E-05	2.30E-04	-	-
Mirg	1.92635687	5.87E-09	2.17E-07	-	-
Xk	1.92308696	1.10E-10	5.25E-09	yes	-
Tgfbr3	1.91985719	3.46E-50	2.75E-47	yes	-
Clec2d	1.91901369	4.75E-05	7.68E-04	yes	-
Ltbp1	1.91876762	5.02E-24	9.16E-22	yes	-
Mrv1	1.91573897	9.66E-05	1.43E-03	yes	-
Arhgef15	1.91310227	2.72E-04	3.54E-03	yes	-
Fbn2	1.90901707	2.86E-11	1.44E-09	yes	-
Cpm	1.90828811	6.70E-04	7.64E-03	yes	-
Fam212a	1.90720378	2.54E-07	6.90E-06	-	-
Wnt10b	1.90576469	1.15E-15	9.39E-14	-	-
Pkdcc	1.90398221	6.82E-17	6.65E-15	-	-
B3galnt1	1.90199968	5.10E-16	4.31E-14	-	-
Gpx3	1.90119828	7.55E-06	1.51E-04	yes	-
Slit2	1.90064224	9.89E-12	5.31E-10	yes	-
Ccdc141	1.90033399	2.71E-05	4.65E-04	yes	-
Pde9a	1.89906331	2.68E-03	2.41E-02	yes	-
Zfp503	1.8968479	7.71E-09	2.79E-07	-	-
Fhod3	1.89583184	4.61E-08	1.46E-06	-	-
Xdh	1.89275017	4.12E-42	2.05E-39	yes	-
Adam19	1.89138099	7.53E-17	7.17E-15	yes	yes
Adam12	1.89000231	6.99E-06	1.40E-04	yes	yes
Adhfe1	1.88895195	1.78E-03	1.72E-02	yes	-
Kcnmb4os2	1.88776084	6.83E-04	7.76E-03	-	-
Svep1	1.88767055	2.31E-10	1.04E-08	yes	yes
Lurap1l	1.88725583	1.66E-48	1.20E-45	-	-
Dhrs3	1.88559652	1.63E-20	2.21E-18	-	-

Pparg	1.88526588	1.11E-13	7.30E-12	yes	-
Col1a2	1.8820905	6.33E-44	3.60E-41	yes	yes
Cpa6	1.87919008	1.94E-07	5.39E-06	-	-
Angptl4	1.87866782	6.13E-09	2.26E-07	-	-
Cdh26	1.87669864	2.51E-03	2.28E-02	-	-
Apbb1ip	1.87641768	5.43E-22	8.63E-20	yes	-
Nkx3-2	1.8640622	3.15E-04	4.02E-03	yes	-
Liph	1.8629888	1.92E-03	1.83E-02	-	-
Fam43a	1.86132889	1.06E-11	5.66E-10	-	-
Gspt2	1.86027512	1.42E-03	1.43E-02	yes	-
Cd24a	1.85553858	6.65E-27	1.45E-24	-	-
Arhgef9	1.85318768	1.24E-07	3.59E-06	yes	-
Stc1	1.8510938	9.13E-05	1.37E-03	-	-
Xkrx	1.85085131	4.76E-04	5.72E-03	-	-
Adamts1	1.8496291	3.35E-19	4.04E-17	yes	-
Npy1r	1.84446447	2.77E-12	1.60E-10	yes	-
Tle2	1.84414104	5.81E-10	2.47E-08	yes	-
Lrrc15	1.8439212	5.88E-04	6.85E-03	-	-
Cacnb2	1.84268696	1.26E-06	3.03E-05	yes	-
Fgf7	1.83955397	3.21E-14	2.21E-12	yes	-
Mme	1.83767163	4.74E-09	1.78E-07	yes	-
Clu	1.83679166	2.32E-12	1.35E-10	yes	-
Prkar2b	1.83613483	1.30E-09	5.25E-08	yes	-
Pde8b	1.83526196	4.34E-10	1.87E-08	yes	-
Prss35	1.83453954	1.40E-03	1.42E-02	-	-
Npr2	1.83055612	2.33E-08	7.82E-07	yes	-
Serpi-3i	1.82939549	3.30E-28	7.72E-26	-	-
Kif21b	1.82362868	8.74E-07	2.17E-05	-	-
Cdh17	1.82353767	2.00E-03	1.89E-02	yes	-
Adgre5	1.82081077	1.18E-10	5.59E-09	-	-
Cd248	1.82013821	7.40E-18	8.06E-16	-	-
Ppm1e	1.81934986	8.52E-04	9.37E-03	yes	yes

Cac-1a	1.81648821	1.52E-05	2.81E-04	yes	-
Tnik	1.81560706	7.39E-08	2.23E-06	yes	-
Adra1d	1.81112736	7.26E-12	3.95E-10	yes	-
Glit8d2	1.81003174	8.83E-06	1.73E-04	-	-
Rgma	1.80855441	4.20E-10	1.82E-08	yes	-
Plau	1.80185136	1.21E-14	8.87E-13	yes	-
Fabp4	1.79918558	1.61E-03	1.58E-02	yes	-
Loxl4	1.79553155	2.06E-17	2.11E-15	yes	yes
Scn2a1	1.79431726	2.79E-03	2.49E-02	-	-
Prickle1	1.78846514	1.28E-16	1.16E-14	yes	-
Slc7a3	1.78589591	1.25E-05	2.37E-04	-	-
B3galt1	1.78485021	1.18E-08	4.14E-07	yes	-
S-i2	1.78323026	9.31E-06	1.81E-04	yes	-
Egr2	1.76909804	8.18E-04	9.10E-03	yes	-
Ptges	1.76706609	7.43E-04	8.37E-03	yes	-
Hoxb6	1.76303852	1.29E-10	6.03E-09	yes	-
Bnc2	1.76161542	9.63E-05	1.43E-03	yes	-
Pde3a	1.75977258	4.52E-04	5.48E-03	yes	-
Pdgfrb	1.7587568	3.90E-19	4.59E-17	yes	yes
Adssl1	1.75774769	1.21E-03	1.25E-02	yes	-
Gas1	1.75425199	1.01E-16	9.35E-15	yes	-
Slc14a1	1.75170641	6.58E-04	7.50E-03	-	-
Atp9a	1.74517656	1.06E-05	2.04E-04	-	-
Synpo2	1.74488747	5.94E-04	6.90E-03	-	-
Rgcc	1.74079462	5.57E-04	6.53E-03	-	-
Epb41l3	1.74004305	1.95E-44	1.19E-41	yes	-
Ccdc85a	1.73914835	4.34E-04	5.30E-03	yes	-
Parp3	1.73905191	5.25E-06	1.08E-04	yes	-
Shc2	1.73838424	1.39E-09	5.60E-08	yes	-
Gpr176	1.73823483	6.32E-26	1.32E-23	-	-
Podnl1	1.73698946	7.43E-07	1.87E-05	-	-
Fgf10	1.73352663	3.19E-08	1.04E-06	yes	-

Zfp361l	1.72941967	7.11E-18	7.85E-16	yes	yes
Aldh5a1	1.72470306	2.05E-07	5.68E-06	yes	-
Cln3	1.72345664	1.28E-04	1.84E-03	-	-
Vwa5a	1.7227651	2.73E-06	6.04E-05	-	-
Hoxaas3	1.71901365	3.28E-04	4.15E-03	-	-
Gdpd2	1.71633361	5.63E-08	1.74E-06	yes	-
Wnk4	1.71470929	3.46E-06	7.46E-05	yes	-
Apobr	1.71413175	1.03E-04	1.52E-03	-	-
Sema6c	1.71304969	2.94E-05	4.99E-04	-	-
Pygl	1.71302594	5.88E-05	9.26E-04	yes	-
Chst2	1.71210597	8.11E-06	1.60E-04	-	-
Rassf6	1.71196831	4.74E-08	1.49E-06	-	-
Nrep	1.70900308	2.33E-09	9.07E-08	-	-
Lancl3	1.70495422	2.93E-05	4.99E-04	-	-
Creb3l1	1.70419686	1.59E-10	7.28E-09	yes	-
Hoxb7	1.70230436	3.35E-07	8.87E-06	yes	-
Pcdh20	1.70152813	1.37E-03	1.39E-02	-	-
Ank2	1.70147623	9.46E-06	1.84E-04	yes	-
Ccdc109b	1.69914385	2.35E-04	3.13E-03	yes	-
Bmpr1b	1.69663355	2.34E-11	1.20E-09	yes	-
Lgi2	1.69579879	1.85E-09	7.30E-08	-	yes
D-jc12	1.69535571	1.18E-05	2.24E-04	-	-
Calcr1	1.69418333	4.88E-05	7.86E-04	yes	-
Ccbe1	1.69295779	1.17E-05	2.22E-04	yes	-
P2rx5	1.69125359	2.63E-03	2.38E-02	-	-
Il6ra	1.69012506	3.64E-06	7.77E-05	-	-
D-af3	1.68870813	9.08E-04	9.92E-03	-	-
Paqr8	1.68772284	1.37E-05	2.55E-04	-	-
Dhrs9	1.683526	4.93E-08	1.55E-06	-	-
Peli2	1.67984835	2.58E-07	6.98E-06	yes	-
Bgn	1.67974123	3.20E-15	2.50E-13	yes	-
Map3k7cl	1.67940711	3.15E-04	4.02E-03	-	-

Acyp2	1.67940595	9.74E-07	2.39E-05	yes	-
Adamts12	1.67737354	1.66E-04	2.31E-03	yes	-
Galnt18	1.67713637	1.18E-07	3.42E-06	-	-
Fst	1.67690156	3.20E-12	1.85E-10	yes	-
Rad9b	1.67493836	3.28E-04	4.15E-03	yes	-
Fmnl2	1.67343092	3.63E-15	2.80E-13	yes	-
Gareml	1.67171163	8.57E-07	2.13E-05	-	-
Dgkh	1.66859173	1.11E-07	3.26E-06	yes	yes
Cemip	1.66697446	8.68E-08	2.59E-06	-	-
Xkr5	1.66679075	1.36E-04	1.94E-03	-	-
Zfp521	1.66587136	2.04E-22	3.34E-20	-	-
Layn	1.66521793	2.43E-06	5.43E-05	-	-
Mrc2	1.66180027	9.09E-25	1.78E-22	yes	-
Masp1	1.65989962	2.91E-14	2.03E-12	yes	-
Ptp4a3	1.65916113	4.69E-05	7.60E-04	yes	-
Ctso	1.65789886	1.27E-05	2.38E-04	-	-
Tle1	1.65530263	1.34E-07	3.84E-06	yes	-
Pcdhgb6	1.65482425	1.44E-24	2.76E-22	-	-
Wasf3	1.65441939	2.58E-06	5.73E-05	yes	-
Slco3a1	1.65339107	3.37E-05	5.65E-04	yes	-
Cxcl12	1.64990619	1.65E-15	1.31E-13	yes	-
Eil2	1.64757941	2.33E-19	2.87E-17	yes	yes
Ypel4	1.64484997	4.16E-04	5.12E-03	-	-
Ank3	1.64437005	5.15E-04	6.12E-03	yes	yes
Ppap2b	1.64347556	3.96E-13	2.44E-11	yes	-
Mdk	1.64022417	7.96E-06	1.57E-04	yes	-
Tcp11l2	1.6399536	1.90E-04	2.60E-03	-	-
Amot	1.63961262	9.35E-07	2.31E-05	yes	yes
Ikzf4	1.6394842	1.57E-03	1.54E-02	yes	yes
Ptpdc1	1.63908083	1.04E-07	3.04E-06	-	-
Cdsn	1.63782703	1.42E-06	3.37E-05	yes	-
Cep85l	1.63689979	8.38E-04	9.27E-03	-	-

Lipa	1.63639383	1.41E-16	1.27E-14	-	-
Npr3	1.63326399	5.42E-09	2.02E-07	yes	-
Hoxaas2	1.63176579	3.89E-04	4.83E-03	-	-
Stambpl1	1.63066112	6.20E-06	1.26E-04	yes	-
Phlpp1	1.62967355	2.28E-14	1.61E-12	-	-
Tmem86a	1.62963176	3.23E-04	4.11E-03	-	yes
Gatsl2	1.62789991	4.10E-13	2.51E-11	-	-
Efhc1	1.62749149	4.28E-04	5.24E-03	yes	-
Epha1	1.62638859	8.94E-19	1.03E-16	yes	-
Tbkbp1	1.624453	1.61E-09	6.45E-08	yes	-
Mr1	1.62255682	9.65E-06	1.87E-04	yes	-
Mmp3	1.62161912	1.07E-03	1.13E-02	yes	-
Acacb	1.62124598	2.84E-04	3.67E-03	yes	-
Cac-1c	1.61990813	2.00E-04	2.71E-03	yes	-
Irgm2	1.61910102	8.38E-05	1.27E-03	-	-
Mtmr11	1.61869032	1.62E-07	4.58E-06	yes	-
Plcb1	1.61859719	9.46E-04	1.03E-02	yes	-
Dennd4b	1.61815522	1.99E-03	1.88E-02	-	-
Tle6	1.61759675	4.87E-04	5.83E-03	yes	-
Pcdhb16	1.61614316	2.84E-04	3.67E-03	-	-
BC028528	1.61588553	8.70E-04	9.57E-03	-	-
Dync2li1	1.615114	1.93E-06	4.41E-05	yes	-
Glrb	1.6139065	7.64E-04	8.58E-03	yes	-
Prss22	1.61355639	6.12E-04	7.06E-03	-	-
Hvcn1	1.61197347	3.10E-06	6.77E-05	yes	-
Sema4g	1.60655347	8.20E-04	9.11E-03	yes	-
Arhgap6	1.60308953	2.15E-04	2.88E-03	-	-
Tspyl4	1.59965523	4.64E-07	1.21E-05	yes	-
Glrx	1.59934258	1.25E-08	4.38E-07	yes	-
Pxylp1	1.59751004	8.52E-08	2.54E-06	-	-
C1galt1	1.59750672	7.59E-13	4.55E-11	yes	-
Cdkl3	1.59654919	7.92E-06	1.57E-04	yes	-

Deptor	1.59650492	1.06E-06	2.57E-05	-	-
Zcwpw1	1.59584441	1.37E-03	1.39E-02	-	-
Tspan18	1.59184073	9.79E-04	1.05E-02	-	-
Ddit4	1.5914568	2.34E-03	2.15E-02	yes	-
Tmem173	1.59035738	1.29E-14	9.44E-13	yes	-
Adm	1.58835347	3.12E-06	6.82E-05	yes	-
Slc1a4	1.5882775	1.30E-15	1.05E-13	yes	-
Glb1l	1.58488922	1.43E-05	2.65E-04	-	-
Wbscr17	1.58360771	4.42E-08	1.40E-06	-	-
Arsg	1.58176579	2.60E-03	2.35E-02	-	-
Pkd2	1.58035974	1.79E-11	9.30E-10	yes	-
Fam229b	1.57924609	1.17E-03	1.22E-02	-	-
Lactb	1.57720698	1.05E-06	2.55E-05	yes	-
Stat5a	1.57709219	4.13E-04	5.09E-03	yes	-
Dnm1	1.57676975	2.15E-03	2.01E-02	yes	-
Il13ra1	1.57599177	3.60E-08	1.16E-06	yes	-
Arhgef4	1.57460067	4.60E-04	5.55E-03	yes	-
Ccl7	1.57446752	2.66E-05	4.57E-04	yes	-
Hoxb4	1.57278776	1.29E-13	8.42E-12	yes	-
Sertad3	1.57219918	6.11E-06	1.24E-04	yes	-
Nptxr	1.57098565	2.11E-03	1.97E-02	yes	-
Has2	1.57082776	1.25E-07	3.60E-06	yes	-
Zfp563	1.56978829	1.09E-03	1.15E-02	-	-
Fancf	1.56880061	1.47E-03	1.47E-02	yes	-
Steap3	1.56804178	1.47E-07	4.19E-06	yes	-
Fyco1	1.56742998	3.72E-05	6.16E-04	-	-
Osmr	1.56666965	2.78E-05	4.77E-04	yes	-
Cpt1a	1.56562967	5.04E-33	1.54E-30	yes	-
Rassf2	1.56462942	1.02E-09	4.18E-08	yes	-
Nqo1	1.56445591	1.93E-06	4.40E-05	yes	-
Abcd4	1.56332096	1.31E-12	7.76E-11	yes	-
Rdh10	1.56100699	1.47E-05	2.72E-04	yes	-

Hspa1b	1.56021949	9.61E-04	1.04E-02	yes	-
Rtkn2	1.55955453	8.12E-09	2.93E-07	-	yes
Ropn1l	1.55906708	7.31E-04	8.26E-03	yes	-
Hoxb3	1.55863811	1.90E-05	3.43E-04	yes	-
Clcn5	1.55723751	1.27E-06	3.04E-05	yes	yes
Bbs7	1.55483447	5.37E-04	6.34E-03	yes	-
Iglon5	1.5547849	4.59E-08	1.46E-06	-	-
Lrrc8d	1.55369035	2.95E-06	6.46E-05	yes	-
Satb1	1.5525589	1.18E-09	4.79E-08	yes	-
Celf4	1.54871642	4.96E-07	1.29E-05	-	-
Gpr162	1.54586143	4.72E-04	5.69E-03	-	-
Apcdd1	1.54545538	2.80E-11	1.42E-09	-	-
Abhd14b	1.54461255	5.49E-08	1.71E-06	-	-
Lxn	1.5396314	4.14E-04	5.10E-03	yes	-
Clip4	1.53894428	4.50E-04	5.46E-03	yes	-
Gcnt3	1.53831292	3.70E-04	4.62E-03	yes	-
Airn	1.53741644	1.13E-03	1.18E-02	-	-
Itga2b	1.53011703	4.12E-04	5.09E-03	yes	-
Fam171b	1.52974374	1.50E-03	1.49E-02	-	-
Colec12	1.52960803	4.35E-07	1.14E-05	yes	-
Lgalsl	1.52642214	2.07E-03	1.95E-02	-	-
Arhgap28	1.52485071	1.41E-05	2.62E-04	-	-
Hdgfrp3	1.52182556	7.21E-09	2.63E-07	yes	-
Zcchc24	1.52147856	7.47E-10	3.13E-08	-	-
Ech1	1.52139841	1.00E-08	3.56E-07	yes	-
Pitpnc1	1.52136466	3.41E-05	5.71E-04	yes	-
Ror2	1.52113374	1.45E-06	3.42E-05	yes	-
Ppfia3	1.51989536	1.32E-03	1.35E-02	yes	-
Vsig10l	1.51926128	3.82E-05	6.28E-04	-	-
Tmem119	1.5183117	3.95E-05	6.47E-04	-	-
Nid2	1.51794866	4.65E-09	1.75E-07	yes	yes
5-Sep	1.5170283	5.90E-08	1.81E-06	yes	-

Pde4d	1.5164774	7.22E-09	2.63E-07	yes	-
Ttc7b	1.51566929	1.42E-09	5.68E-08	-	-
Bahcc1	1.51522391	1.63E-04	2.28E-03	yes	-
Shc4	1.51484271	2.26E-03	2.09E-02	-	-
Manea	1.51438917	7.61E-06	1.52E-04	-	-
Gfpt2	1.51274624	2.07E-11	1.07E-09	yes	-
Orai3	1.51156708	3.62E-05	6.01E-04	-	-
Spp1	1.51145288	6.78E-04	7.71E-03	yes	-
Fam234b	1.51077833	2.01E-04	2.73E-03	-	-
Gpr153	1.50865194	4.45E-04	5.42E-03	-	-
Akt3	1.50853482	5.94E-04	6.90E-03	yes	yes
Cradd	1.50827135	2.97E-05	5.05E-04	yes	-
Maml3	1.50819607	2.44E-05	4.24E-04	yes	-
Gpsm2	1.50697867	8.66E-05	1.30E-03	yes	-
Elavl2	1.50511633	1.06E-03	1.12E-02	yes	-
Bambi	1.50455203	2.28E-03	2.11E-02	yes	-
Hspb6	1.50314377	1.57E-05	2.87E-04	yes	-
Lace1	1.50264374	1.58E-04	2.22E-03	yes	-
Ampd3	1.50207516	7.39E-04	8.34E-03	yes	-
Usp11	1.5001804	1.36E-03	1.38E-02	yes	-
Thbs3	1.4998612	3.36E-06	7.27E-05	yes	-
Kank3	1.49645718	1.96E-03	1.86E-02	-	-
Hacl1	1.49256007	1.06E-04	1.56E-03	yes	-
Gcnt4	1.49233145	9.67E-04	1.04E-02	yes	-
Pcdhb22	1.49215251	1.56E-03	1.54E-02	-	-
Cgref1	1.49056987	1.54E-04	2.17E-03	-	-
Fig4	1.49030333	3.99E-17	3.99E-15	-	-
Pigp	1.48986334	6.78E-05	1.05E-03	yes	-
Ltbp2	1.48981067	1.24E-05	2.34E-04	yes	-
Gas7	1.48964442	1.39E-08	4.85E-07	yes	yes
Cfh	1.4866613	2.98E-04	3.83E-03	yes	-
Prcp	1.48644904	9.12E-09	3.27E-07	yes	-

Slc9a6	1.48610186	1.30E-03	1.33E-02	yes	-
Socs2	1.48599061	2.11E-06	4.75E-05	yes	-
Pvrl3	1.48326462	4.82E-04	5.78E-03	yes	-
Pik3r5	1.48182184	4.23E-06	8.92E-05	yes	-
Kbtbd7	1.48036097	5.30E-04	6.28E-03	yes	-
Rnf24	1.47859609	1.36E-07	3.91E-06	yes	-
Sgk1	1.4781616	1.15E-06	2.77E-05	-	yes
Insig2	1.4778645	2.27E-05	3.99E-04	yes	-
Sema3e	1.47752649	2.96E-13	1.87E-11	yes	-
Gramd1b	1.47730018	1.34E-03	1.37E-02	-	-
Gda	1.47366132	5.44E-04	6.40E-03	yes	-
Fggy	1.47338862	1.17E-03	1.21E-02	-	-
Bcl6	1.47174018	1.70E-07	4.78E-06	yes	-
Pak1	1.46969623	1.00E-07	2.95E-06	yes	-
Egr1	1.46933973	9.46E-04	1.03E-02	yes	-
Foxf1	1.46925927	7.33E-05	1.13E-03	-	-
Pknox2	1.4673103	2.50E-03	2.28E-02	yes	yes
Dact3	1.46414354	7.97E-05	1.21E-03	-	-
Plekhn1	1.46340491	5.95E-05	9.34E-04	yes	-
Pappa	1.46330652	1.02E-03	1.08E-02	yes	-
Snx32	1.46302254	1.26E-05	2.37E-04	-	-
Arsb	1.46120035	1.93E-09	7.60E-08	yes	yes
Erbp2ip	1.46079932	2.12E-03	1.98E-02	yes	-
Hmga2	1.46031439	1.09E-06	2.65E-05	yes	-
Pcbp3	1.45804374	9.72E-04	1.05E-02	yes	-
Ctsp2	1.4556061	2.11E-09	8.27E-08	yes	-
Pbx1	1.45528125	1.66E-04	2.31E-03	yes	-
D-ja4	1.45460052	2.20E-03	2.05E-02	yes	-
Mb21d1	1.45105681	1.02E-03	1.08E-02	-	-
Adam22	1.4490677	2.73E-03	2.44E-02	yes	-
Foxc1	1.44891403	4.09E-06	8.67E-05	yes	-
Cbx7	1.44803854	3.14E-05	5.28E-04	yes	-

Gm7120	1.4465107	4.38E-04	5.35E-03	-	-
Lppr2	1.44492138	3.23E-04	4.10E-03	-	-
Gng7	1.44484627	1.31E-04	1.88E-03	yes	-
Pak3	1.44388116	3.07E-05	5.18E-04	yes	-
Glis3	1.44279067	6.95E-04	7.88E-03	yes	yes
Vwa8	1.44206581	3.40E-12	1.95E-10	-	-
Trim71	1.44186691	2.00E-04	2.71E-03	-	-
Srl	1.43753691	2.75E-03	2.46E-02	-	-
Lrsam1	1.437242	2.40E-03	2.20E-02	yes	-
Acox3	1.43688639	2.06E-04	2.78E-03	yes	-
Acp2	1.43622223	6.56E-04	7.49E-03	yes	-
Mbnl1	1.43610775	5.35E-04	6.33E-03	yes	-
Cdk14	1.43585593	3.59E-05	5.97E-04	-	-
Tbccd1	1.43553151	2.51E-09	9.70E-08	-	-
Stat3	1.43283651	1.74E-06	4.01E-05	yes	yes
Emc2	1.43278883	3.95E-07	1.04E-05	-	-
Phyhd1	1.43203227	5.87E-05	9.25E-04	-	-
Sema3a	1.43200646	1.79E-09	7.10E-08	yes	-
Il4ra	1.43113225	6.77E-05	1.05E-03	-	-
Fut10	1.43009006	2.67E-13	1.70E-11	-	-
Sox9	1.42973027	2.69E-06	5.95E-05	yes	-
Socs5	1.42869306	3.39E-15	2.63E-13	yes	-
Abhd4	1.42858809	1.04E-10	5.01E-09	yes	yes
Slco2a1	1.4282277	9.32E-08	2.76E-06	yes	-
Nudt13	1.42648047	1.12E-03	1.18E-02	-	-
Scd1	1.42480847	2.80E-07	7.54E-06	-	-
Adgrl2	1.42383602	1.51E-04	2.13E-03	-	-
Six4	1.4220784	1.42E-04	2.02E-03	yes	-
Kctd5	1.41929944	3.63E-08	1.17E-06	yes	yes
Relt	1.41897778	1.44E-03	1.44E-02	-	-
Srgap1	1.41892074	1.43E-06	3.38E-05	yes	-
Mtss1l	1.41879092	6.11E-04	7.06E-03	-	yes

Kcnd1	1.41534327	1.75E-07	4.88E-06	yes	-
Tsku	1.41440767	8.26E-17	7.77E-15	yes	-
C1rl	1.41381661	1.07E-04	1.57E-03	yes	-
Frmd5	1.41377741	2.62E-03	2.37E-02	yes	-
Eps8	1.4129163	2.34E-08	7.84E-07	yes	-
Efemp1	1.41035368	2.42E-11	1.24E-09	yes	-
Ttyh3	1.40694702	4.03E-10	1.75E-08	yes	-
Hsd17b11	1.40537584	4.24E-10	1.83E-08	yes	-
Gypc	1.4053622	4.73E-08	1.49E-06	yes	-
Zbtb12	1.40349021	8.85E-06	1.73E-04	yes	-
Fam19a5	1.40279189	9.80E-04	1.05E-02	-	-
Clip2	1.40183155	1.04E-04	1.53E-03	yes	-
Btg1	1.40010789	3.04E-05	5.13E-04	yes	-
Wdr34	1.39969161	6.56E-04	7.49E-03	yes	-
Gpc4	1.39582493	4.59E-19	5.37E-17	yes	-
Gabre	1.39304513	1.98E-03	1.87E-02	-	-
Azin2	1.39284527	1.53E-05	2.82E-04	-	-
Irak4	1.39264447	2.90E-04	3.74E-03	yes	-
Tbc1d32	1.39145283	5.56E-04	6.53E-03	-	-
Fuz	1.39059278	2.50E-05	4.31E-04	yes	-
Magee1	1.38988932	3.33E-05	5.59E-04	yes	-
Eid1	1.38692137	8.01E-11	3.90E-09	yes	-
Ctsb	1.38688292	1.01E-07	2.97E-06	yes	-
Nedd4	1.38582492	3.12E-05	5.26E-04	yes	-
Hoxb2	1.38382547	1.71E-03	1.66E-02	yes	-
Arhgap18	1.38332486	1.39E-03	1.41E-02	yes	-
Tspan5	1.38289824	4.04E-08	1.29E-06	yes	-
Cpt1c	1.38222933	8.23E-07	2.04E-05	yes	-
Adgrg6	1.3808073	2.13E-04	2.86E-03	-	-
Cntln	1.38079773	5.26E-04	6.23E-03	-	-
Rasgef1b	1.38070203	1.44E-03	1.45E-02	-	-
Tshz1	1.38066757	1.46E-10	6.73E-09	-	-

Ctdsp2	1.37776229	2.54E-17	2.57E-15	yes	yes
Stom	1.37477546	2.34E-05	4.10E-04	yes	-
Ralgds	1.37460966	2.50E-05	4.31E-04	yes	-
Wls	1.37341345	1.41E-03	1.42E-02	-	-
Sptbn1	1.37333254	1.76E-06	4.06E-05	yes	-
Gbp2	1.3730232	3.58E-04	4.50E-03	yes	-
F3	1.37262734	7.14E-22	1.10E-19	yes	-
Capn5	1.37242185	2.37E-04	3.14E-03	-	-
Phyh	1.37215932	6.66E-05	1.04E-03	yes	-
Hpse	1.37212603	4.52E-04	5.48E-03	yes	-
Mapk13	1.37177037	9.47E-04	1.03E-02	yes	-
Sc5d	1.37068589	5.77E-04	6.75E-03	-	-
Pik3r1	1.37060894	1.90E-13	1.22E-11	yes	yes
Cdc42ep4	1.37003904	1.66E-03	1.62E-02	yes	-
Tmem50b	1.36939723	2.75E-04	3.58E-03	-	-
Epb41l2	1.36718455	9.08E-05	1.36E-03	yes	-
Tiam2	1.36718171	2.64E-06	5.87E-05	yes	-
Zadh2	1.36450436	5.08E-12	2.83E-10	yes	-
Aldh1l2	1.36361937	3.12E-04	3.99E-03	-	-
Cc2d2a	1.36337837	2.19E-04	2.94E-03	-	-
Enpp5	1.36316859	2.59E-08	8.58E-07	-	-
Rnf150	1.36274346	2.59E-03	2.35E-02	-	-
Insig1	1.36185679	2.08E-08	7.05E-07	yes	yes
Rnpep	1.3610905	9.19E-05	1.37E-03	yes	-
Lrrcc1	1.36091315	7.10E-04	8.05E-03	yes	-
Nrbp2	1.36005029	4.83E-06	1.01E-04	yes	-
Osbpl1a	1.35890443	6.34E-04	7.29E-03	yes	-
Stoml1	1.35770778	1.67E-05	3.05E-04	yes	-
Lamp2	1.35666827	9.07E-04	9.92E-03	yes	-
Fer	1.35641628	6.85E-12	3.74E-10	yes	-
Dtx4	1.35601205	3.80E-05	6.27E-04	-	yes
Wdr19	1.35542473	1.91E-04	2.61E-03	-	-

Reck	1.35514479	1.98E-04	2.70E-03	yes	-
Scd2	1.35393455	5.41E-07	1.39E-05	-	-
Meis1	1.35339222	1.74E-05	3.16E-04	yes	-
Ids	1.35289981	5.71E-05	9.02E-04	yes	-
Lgals3bp	1.35271883	2.02E-06	4.59E-05	yes	-
Rb1cc1	1.35240664	5.25E-04	6.23E-03	yes	-
B4galt5	1.35235602	1.06E-03	1.12E-02	yes	-
Pfn2	1.35178152	1.12E-07	3.27E-06	yes	-
Frs2	1.35169907	1.29E-04	1.86E-03	yes	yes
Plekhb2	1.35150139	2.72E-09	1.04E-07	yes	-
Nt5dc2	1.35104245	5.40E-04	6.37E-03	yes	-
Irf9	1.35029254	2.80E-06	6.18E-05	yes	-
Phf7	1.34970302	7.56E-04	8.50E-03	yes	-
Shisa5	1.34816867	1.89E-03	1.81E-02	-	-
Socs3	1.34788835	2.25E-07	6.16E-06	yes	-
Xpr1	1.34778745	2.22E-03	2.06E-02	-	-
Hmgcs1	1.34682836	4.99E-08	1.57E-06	yes	yes
Dock4	1.34667059	2.08E-03	1.96E-02	yes	-
Cthrc1	1.34659592	1.21E-03	1.25E-02	-	-
Ppp2r3a	1.34522734	1.47E-03	1.47E-02	yes	-
Impact	1.34456081	7.60E-04	8.55E-03	-	-
Ccdc80	1.34360773	2.04E-15	1.60E-13	-	-
Rab32	1.34304068	2.94E-04	3.78E-03	yes	-
Foxp1	1.3424599	1.39E-06	3.31E-05	yes	-
Phf19	1.34197426	4.56E-04	5.52E-03	yes	-
Elk3	1.34109645	1.48E-07	4.24E-06	yes	-
Cfap69	1.34022479	5.56E-04	6.53E-03	-	-
Adck1	1.340209	5.82E-06	1.19E-04	yes	-
Dhrs7	1.33978175	3.26E-04	4.13E-03	yes	-
Reep3	1.33967217	1.40E-05	2.60E-04	yes	-
Lnx2	1.33869286	1.81E-03	1.73E-02	yes	-
Pgm1	1.3367679	2.46E-05	4.27E-04	yes	-

Nr3c1	1.33593239	1.86E-04	2.55E-03	yes	yes
Kremen1	1.33309907	2.50E-05	4.31E-04	yes	-
Elovl6	1.3310659	1.07E-04	1.56E-03	-	-
Snn	1.33089615	5.69E-09	2.11E-07	-	-
Ahcyl1	1.33064156	3.22E-07	8.56E-06	yes	-
Pacsin3	1.33028374	2.20E-03	2.05E-02	yes	-
Pdlim4	1.32736395	7.67E-06	1.53E-04	yes	-
Trabd2b	1.32514387	1.47E-03	1.47E-02	-	-
Fopnl	1.32470856	2.00E-04	2.71E-03	-	-
Syngap1	1.32388426	5.48E-04	6.44E-03	yes	-
Srr	1.32208231	6.74E-04	7.67E-03	yes	-
Foxg1	1.32010254	2.43E-04	3.21E-03	yes	-
Rnf139	1.31997628	4.16E-06	8.77E-05	yes	-
Dusp18	1.31894097	1.96E-04	2.68E-03	-	-
Nrp1	1.31829478	4.80E-05	7.74E-04	yes	-
Rcan2	1.31713115	1.62E-07	4.59E-06	yes	-
Pear1	1.31681347	7.78E-06	1.54E-04	-	-
Tmem65	1.31611176	4.09E-06	8.67E-05	-	yes
Tvp23a	1.31580071	1.54E-03	1.52E-02	-	-
Srd5a3	1.31495825	2.20E-03	2.05E-02	-	-
Pgpep1	1.31255875	2.51E-05	4.33E-04	-	-
Adamts5	1.31197752	2.87E-13	1.82E-11	yes	yes
Slc29a3	1.31050876	9.16E-04	9.99E-03	-	-
Emp1	1.30974504	1.04E-04	1.53E-03	yes	yes
Glt8d1	1.30956984	1.36E-04	1.95E-03	-	-
Pdk4	1.30926579	1.03E-05	1.99E-04	yes	yes
8-Sep	1.30897088	4.67E-04	5.63E-03	yes	-
Fam114a1	1.30792063	2.86E-04	3.70E-03	yes	-
Glipr2	1.30738677	2.87E-07	7.71E-06	-	-
Maged2	1.30295115	2.48E-06	5.52E-05	yes	-
Asap3	1.30228752	1.73E-03	1.67E-02	-	-