

Supplemental table S8. List of the 1649 common factors (listed as Gene names) between microarray and proteomic datasets with relative fold change of expression.

GeneName	Microarray	Proteome
Agl	-0.448816067	4
Arl8a	0.7722461	-2.32
Clasp1	-0.557229675	2.81
Bche	-0.5214601	3
Krt10	0.4357406	-3.58
Bre	0.390497987	-3
Nrp1	-0.71741665	1.58
Vtn	-1.1685805	0.95
Anxa3	1.101109	-1
Bag2	0.6261683	-1.58
Rps27	0.2648668	-3.58
Osbp1a	-0.28437535	3.32
Acad11	-0.56517045	1.58
Pnpo	-0.297341	3
Ryr2	-0.9635955	0.9
Caprin1	0.21955993	-3.81
F2	-0.2323809	3.58
Lrrc20	-0.2770036	3
Nedd8	0.1884171	-4.39
Vldlr	-0.389564517	2
Csda	-0.1928401	4
Prkag1	-0.3625474	2
Dnajc8	0.35084235	-2
Cds2	-0.193069538	3.58
Gmfb	0.557385132	-1.22
Pfdn2	0.2244968	-3
Akt1	-0.284957875	2.32
Tenc1	-0.1700691	3.81
Chmp4b	0.24231035	-2.58
Gnal	-0.155378377	4
Lama4	0.20436105	-3
Cbr2	0.4765135	-1.25
Akr1b8	1.081397	-0.53
Galt	-0.3568996	1.58
Rab3ip	-0.1842791	3
Ppp3ca	-0.13666077	4
Slc9a6	0.18085503	-3
S100a8	0.7278976	-0.74
Arf4	0.53467315	-1
Dnaja4	0.415680567	-1.25
Vps37c	0.4960564	-1
Pafah1b2	0.404256125	-1.22
Mat1a	-0.2465216	2
Hnrnp2	0.1271302	-3.81

Vps25	0.105577533	-4.58
Ctnna1	-0.280244573	1.72
Lcmt1	0.2941392	-1.58
Flad1	-0.2929705	1.58
Nudt7	-0.164551614	2.81
Igf2r	-0.254527367	1.81
Msrb2	-0.5597858	0.81
Ybx1	-0.262468	1.72
Atp1b3	0.4450588	-1
Psmb4	0.2076006	-2.13
Gpc1	-0.6988246	0.63
Fkbp1a	0.267558254	-1.62
Ubxn1	0.4012283	-1.08
Myeov2	0.430663767	-1
Syne2	-0.143534175	3
Dpy30	0.2212426	-1.89
Psmd14	0.7104089	-0.58
Phb	-0.43978895	0.93
Ttr	0.566547	-0.72
Eno2	0.9538434	-0.42
C4b	0.8418252	-0.47
Pex14	0.1972532	-2
Hs1bp3	-0.14007685	2.81
Dbnl	0.4248473	-0.91
Nt5c	0.7808635	-0.49
Ywhaq	0.75893272	-0.49
Reep5	-0.276471867	1.32
Camk2a	-0.61033472	0.58
Gstm7	-0.3000685	1.17
Arpc2	0.13474225	-2.58
Flnb	-0.19778224	1.74
Afm	-0.2166364	1.58
Timm50	-0.24096085	1.42
Rpn2	0.4188404	-0.81
Actn4	0.9666586	-0.35
Gmpr	-0.2106113	1.58
Rab11a	0.19764804	-1.68
Scoc	0.38064955	-0.87
Sec24c	-0.20804545	1.58
Cdc3711	-0.207797625	1.58
Gpd1l	-0.3948601	0.81
Ddt	-0.4679152	0.68
Car1	-0.1491793	2.12
Vbp1	0.2702144	-1.17
A2m	1.122543	-0.28
Lrg1	-0.7472633	0.42
Uba3	0.1983775	-1.58
Hebp1	0.2288621	-1.36

Actn2	0.2163334	-1.43
Tor1aip1	-0.1095384	2.81
Cmya5	-0.2051976	1.5
Pak2	0.3025368	-1
Sephs1	0.1229819	-2.46
Adh1	0.1777989	-1.7
Serpinf2	-0.1042277	2.81
Pex19	-0.158781807	1.81
Pecam1	-0.2273909	1.26
Ttn	-0.23417925	1.22
Unc45b	-0.6046845	0.46
Tceb2	0.1894935	-1.42
Sacm1l	-0.0751609	3.58
Tbcb	0.3927616	-0.68
Eef1a1	0.5474809	-0.48
Arhgdib	0.5762777	-0.45
Ifi35	0.129425193	-2
Prkaa2	-0.52395535	0.49
Gys1	-0.66591055	0.38
Slc25a42	-0.42989525	0.58
Myh11	-0.30185957	0.82
Ube2m	-0.1234585	2
Kcmf1	-0.12850114	1.91
Txn1	0.233732692	-1.04
Sfrs1	-0.2419055	1
Tsnax	-0.4131637	0.58
Hyou1	-0.14080488	1.68
G6pdx	0.3180552	-0.74
Psmb1	0.214668279	-1.09
Mat2a	-0.077353046	3
Cndp2	0.197306325	-1.16
Eif3i	0.1725427	-1.32
Dysf	-0.1304086	1.73
Cd47	0.169586468	-1.32
Rock2	0.5288542	-0.42
Thbd	-0.07400767	3
Ostf1	0.14012695	-1.58
Cacna2d1	-0.12859898	1.72
Atp2a2	-0.458886063	0.48
Lifr	-0.377281533	0.58
Ptpn11	0.230483278	-0.94
Lbh	0.143025279	-1.49
Kif13a	0.068805814	-3
Rps14	0.2776867	-0.74
Pabpc1	0.25887115	-0.79
Nol3	0.5518357	-0.37
Lnp	-0.095179073	2.12
Speg	-0.149361093	1.35

Chchd3	-0.49013968	0.4
Afg3l2	-0.274292033	0.71
Fxr1	0.146576605	-1.32
Snta1	0.1924216	-1
Eno1	0.3202766	-0.6
Nono	0.102033135	-1.87
Rpl3	-0.07365767	2.58
Suox	0.2725576	-0.69
Dido1	-0.118576207	1.58
Tns1	-0.12417104	1.46
Bzw2	-0.22316655	0.81
Wnk1	-0.047253293	3.81
Atp5j	-0.1587817	1.12
Myh4	-0.1567339	1.12
Tuba4a	-0.487421767	0.36
Ryr3	0.175067345	-1
Sccpdh	-0.1552695	1.12
Htra2	0.12549098	-1.37
Kif5a	-0.17164375	1
Sh3glb2	-0.2634128	0.65
Slk	0.195933822	-0.87
Mybbp1a	0.10770096	-1.58
Wdr90	0.07286787	-2.32
Adsl	-0.2216323	0.76
Ccdc66	0.075812027	-2.22
Rpl18a	0.2266223	-0.74
Slc25a46	-0.105604965	1.58
Mcts1	0.1667515	-1
Nans	0.2822839	-0.58
Rpl18	0.33040555	-0.49
Cct5	0.2985109	-0.54
Arpc1a	0.3272963	-0.49
Myoz2	0.1973941	-0.81
Slc25a20	-0.6146377	0.26
Bcl2l13	-0.124740439	1.25
Nap1l4	-0.1120996	1.39
Lcp1	0.426691	-0.36
Chchd4	0.1531623	-1
Mapre1	0.30828924	-0.49
Tpm3	0.35232226	-0.42
Tubb2c	-0.3951317	0.37
Serhl	-0.197341673	0.74
Cox5b	-0.178505518	0.81
Atp2a1	-0.2482529	0.58
Farsb	-0.142862903	1
Rnf114	-0.214875486	0.66
Eif2s2	0.191431581	-0.74
Pter	0.069689985	-2

Mylk3	0.06259569	-2.21
Atp12a	-0.1864948	0.74
Fbl	0.2369439	-0.58
Nme3	0.3263111	-0.42
Impdh2	0.11705395	-1.17
Hspb8	0.295246767	-0.46
Pdha2	-0.2155647	0.63
Gclm	0.4215396	-0.32
Psmc6	0.463467	-0.29
Ppp1ca	-0.0863924	1.55
Psm5	0.1332391	-1
Prkar2a	-0.210793325	0.63
Snrpd1	0.3140763	-0.42
Hnrnpa1	0.099153156	-1.32
Adck1	-0.08230241	1.58
Prph	-0.2200257	0.58
Acox1	-0.1648182	0.77
Eif4a2	0.1265386	-1
Hnrnpf	0.162076225	-0.78
Myom1	0.1414935	-0.89
Fadd	0.10971545	-1.14
Atp1b1	0.244877715	-0.51
Coq5	-0.38927605	0.32
Fermt2	-0.071938307	1.7
Eftud1	0.07643193	-1.58
Cpne1	0.07514604	-1.58
Hmox2	-0.2811785	0.42
Pa2g4	0.1430648	-0.81
Gng5	-0.11448747	1
Acad8	-0.086401955	1.32
Coro1b	0.1113892	-1
Spnb1	-0.2123723	0.51
Ddx1	0.099502092	-1.08
Cox4i1	-0.2132495	0.5
Snx3	0.1832132	-0.58
Map2k1	0.3320713	-0.32
Ctsc	0.122671835	-0.85
Ank1	-0.10709583	0.97
Aak1	0.051581297	-2
Bsg	-0.481122	0.21
Abhd11	-0.314724	0.32
Ogt	-0.100608822	1
Dnajc11	-0.055441818	1.81
Acta2	1.247296067	-0.08
Cox6a2	-0.27606125	0.36
Tatdn1	0.274868047	-0.36
Sdsl	0.02750858	-3.58
Rps15	0.2053862	-0.47

Pcyt2	-0.1644303	0.58
Napa	-0.111442865	0.85
Dnaja2	0.211030738	-0.44
Hbb-b1	0.1393782	-0.66
Man2b1	0.030632485	-3
Atp5d	-0.3637287	0.25
Rplp0	0.08294233	-1.08
Ccdc69	-0.056162143	1.58
Cmpk1	0.2271312	-0.39
Ktn1	-0.088566027	1
Glrx	-0.2901829	0.3
Smpx	0.1335351	-0.65
Bphl	-0.073954767	1.14
Igfbp1	-0.036321084	2.32
Cd36	-0.6005197	0.14
Palmd	0.05303669	-1.58
Nit1	0.052546645	-1.58
Ubqln2	-0.070884503	1.17
Por	-0.03065332	2.7
Gapdhs	-0.3304237	0.25
Abcf3	-0.067477367	1.22
Idh2	-0.2831494	0.29
Pcmt1	0.234094	-0.35
Eif3f	-0.06701406	1.22
Ilf3	-0.027051973	3
Ahsg	0.5767204	-0.14
Hint2	-0.2874524	0.28
Tuba8	-0.138681725	0.58
Ugcgl1	-0.1085645	0.74
Metap2	0.079696236	-1
Cct6a	0.13653439	-0.58
Ddx3x	0.135974	-0.58
Calml3	-0.0230724	3.32
Ncl	0.401985025	-0.19
2310005E10Rik	-0.5430571	0.14
Eif4a1	0.421992433	-0.18
Hsd17b4	-0.19407445	0.39
Anxa6	-0.13028217	0.58
Elavl1	0.061653905	-1.22
Cops8	0.221096	-0.34
Add1	0.074159717	-1
Ppt1	-0.078256149	0.92
Pdhx	-0.1424262	0.5
Mybpc3	0.1611443	-0.44
Mtap4	0.152619275	-0.46
H2afv	0.120906995	-0.58
Lama2	0.3690338	-0.19
Hpx	-0.1447571	0.48

Orm1	-0.05928119	1.17
M6pr	0.2167141	-0.32
Ephx2	-0.2613392	0.26
Serpina3m	0.1158778	-0.58
Grb2	-0.131492445	0.51
Snrpd2	0.2042939	-0.32
Ndufa11	0.125450375	-0.51
Myh14	-0.01924833	3.32
Psmc13	0.177258375	-0.35
Ptges2	-0.3440574	0.18
Crmp1	-0.106132	0.58
Plaa	0.191687968	-0.32
Uros	-0.08220492	0.74
Kng1	-0.08069977	0.75
Atp5h	-0.21575785	0.28
Eif5b	0.10346249	-0.58
Hspa5	-0.07975124	0.74
Hdhd2	0.161860267	-0.36
Coq3	-0.34085415	0.17
Sars	0.1919619	-0.3
Tgm2	1.1422591	-0.05
Tm9sf2	-0.050846013	1.12
Krt1	-0.03565407	1.58
Atad1	-0.216652163	0.26
Jup	-0.09593233	0.58
Camk1	-0.094350165	0.58
Cacybp	0.1090072	-0.5
Oxsr1	0.1294912	-0.42
Psmc3	-0.05397415	1
Psmc6	0.06544431	-0.82
Dctn2	0.2331044	-0.23
Atp5o	-0.4096546	0.13
Ndufv2	-0.3800068	0.14
Ganab	-0.0364981	1.42
Usp14	0.06360733	-0.81
Rab1b	-0.1837196	0.28
Cct3	0.113831849	-0.45
Muc20	-0.087793825	0.58
Krt8	0.022390787	-2.22
Hnrnpab	0.205810567	-0.24
Acyp1	0.188079847	-0.26
Fabp5	0.1146463	-0.42
Psmc3	0.15040445	-0.32
Txnrd1	0.086242298	-0.55
Slc12a7	-0.18107955	0.26
Paics	0.093156367	-0.5
Kpnb1	0.153784748	-0.3
Psmc7	0.0980731	-0.47

Trim54	-0.1767371	0.26
Trap1	-0.09374697	0.49
Psmf1	0.107969165	-0.42
Mapk8ip3	0.059816987	-0.74
Pgcp	0.0264654	-1.66
D10Wsu52e	0.103715197	-0.42
Glg1	-0.12837163	0.33
Lamc1	0.2214171	-0.19
Map2k4	-0.072433795	0.58
Limch1	0.342619025	-0.12
Cpn2	0.0309453	-1.32
Eif2s1	0.095081576	-0.42
Psmc5	0.2331899	-0.17
Pcp411	0.0557642	-0.71
Adh5	-0.1949252	0.2
Sar1b	-0.09250037	0.42
Tpm1	0.160956623	-0.24
Park7	0.42681555	-0.09
Dlat	-0.5465707	0.07
Plcd1	0.065785705	-0.58
Ilvbl	-0.02875972	1.32
Nub1	0.065111744	-0.58
Fgb	-0.1983144	0.19
Ociad1	-0.129601781	0.29
Actr2	0.186318058	-0.2
Bpgm	0.2459627	-0.15
Psmb2	0.03662014	-1
Rpl21	0.2147663	-0.17
Hook3	0.062551346	-0.58
Prps1	0.02720579	-1.32
Rnf7	0.02213383	-1.58
Oxsm	-0.109017532	0.32
Itih1	-0.1153162	0.3
Ppia	0.4882768	-0.07
Cops6	-0.0170843	2
Naca	0.139110385	-0.24
Ighg	-0.2081095	0.16
Upf1	0.1276382	-0.26
Ndufb4	-0.1427779	0.23
Edc4	-0.07768472	0.42
Scye1	0.07725652	-0.42
Tsc22d4	0.0323747	-1
Dlst	-0.3955764	0.08
Hnrnpk	0.095206748	-0.33
Stip1	-0.1636944	0.19
Eml2	-0.02151744	1.44
Chordc1	0.09645239	-0.32
Lonp1	-0.03904088	0.79

Pfkl	-0.19272322	0.16
Plec1	-0.045062067	0.68
Myh1	-0.0536783	0.57
Ank2	-0.2315525	0.13
Ctsa	0.19344161	-0.15
Ywhag	-0.115208863	0.25
Slc16a1	0.02441719	-1.14
Rbbp7	0.013701119	-2
Nme2	-0.059412	0.46
Dhdh	0.1035992	-0.26
Letm1	-0.119217355	0.22
Pin1	0.05557537	-0.47
Hspa4l	-0.080553543	0.32
Csde1	0.010863783	-2.32
Chchd2	-0.05040423	0.49
Alb	-0.06521114	0.37
Hspe1	0.043085125	-0.56
Hint1	0.14136565	-0.17
Isyna1	-0.07833672	0.29
Serbp1	-0.05062812	0.44
Acss2	0.01682035	-1.32
Cand2	-0.31629055	0.07
Ndufb5	-0.219003	0.1
Hba-a1	0.155410442	-0.14
Srp68	-0.0108722	2
Pspc1	0.0215885	-1
Vars	-0.01755873	1.22
Rab21	-0.0175136	1.22
Pygl	0.1635469	-0.13
Immt	-0.352800467	0.06
Tmpo	-0.024157586	0.85
Man2b2	-0.01515436	1.32
Myh6	-0.664552567	0.03
Psmc1	0.3910923	-0.05
Ndufb8	-0.2120585	0.09
Dak	-0.04137309	0.46
Hnrnpa3	0.3168403	-0.06
Phgdh	-0.005709013	3.32
Uqcrb	-0.2698612	0.07
Btf3	0.085645445	-0.21
Psmc11	0.135743966	-0.13
Eif4h	-0.037388996	0.46
Cox17	-0.040688675	0.42
Ubap2l	0.034622682	-0.49
Finc	0.56294265	-0.03
Galns	-0.03697975	0.42
Mapre2	-0.061951214	0.25
Rap1a	0.11354273	-0.13

Ptgr2	-0.29300975	0.05
Ugp2	-0.061829756	0.23
Abhd14b	0.05254555	-0.26
Uqcrls1	-0.1944783	0.07
Rps24	-0.03233975	0.42
Rpl30	-0.088712055	0.15
Cfb	-0.1138209	0.11
Rpl9	0.01452001	-0.85
Ppp2r2a	0.034097567	-0.36
Ppa1	0.2045507	-0.06
Csnk2a1	0.026106418	-0.46
Cct2	0.14825377	-0.08
Pepd	-0.02755133	0.42
Pgam1	0.5716823	-0.02
Tardbp	0.011092032	-1
Psma2	0.3654499	-0.03
Eif5a	0.019064267	-0.56
Ak1	-0.26627645	0.04
Prcp	-0.01758949	0.58
Pebp1	0.127012715	-0.08
Smpdl3a	-0.008051872	1.26
Tomm20	-0.00492647	2
Hspg2	-0.03239141	0.29
Hspb7	0.176126467	-0.05
Serpinc1	0.02284892	-0.37
Hgs	0.01451906	-0.58
Hnrnrm	0.03827477	-0.22
Herc4	0.00521543	-1.58
Fgg	0.01799536	-0.45
Dlg1	-0.004451633	1.81
Denr	0.00794729	-1
Cox6b1	-0.13142075	0.06
Ubqln4	-0.070990553	0.11
Ppp2r4	0.045386093	-0.17
Myl3	-0.12696322	0.06
Hnrnph1	-0.05301032	0.13
Eef2	-0.03947894	0.17
Sec16a	0.005445635	-1.22
Cops3	-0.004030167	1.58
Trim72	-0.1943051	0.03
Atp1a1	-0.066663293	0.08
Mtap	0.051182596	-0.1
Rps2	-0.04393705	0.11
Tnnc1	0.02668349	-0.18
Gbe1	0.01000563	-0.42
Pgm1	-0.13611225	0.03
Tpp2	-0.017024164	0.22
Prdx1	-0.013090695	0.26

Apoc3	-0.02417596	0.14
Cdh13	0.00707555	-0.42
Prosc	-0.04244153	0.07
Es1	-0.07498089	0.03
Tomm22	-0.01311207	0.17
Gpd1	-0.005206865	0.42
Hist1h4a	-0.006945204	0.3
Rpsa	-0.009119193	0.21
Prdx2	-0.09261046	0.02
Cct4	0.00932679	-0.19
Dctn1	0.013237155	-0.13
Atp5l	-0.01222865	0.09
Gapdh	-0.052918753	0.02
Pard3	-6.34E-04	1.58
Tpp1	0.027578755	-0.03
Apobec2	0.00338185	-0.22
Mtx2	0.002621333	-0.25
Psmc8	-0.01181825	0.05
Acp1	3.03E-04	-0.65
Arpc5l	2.95E-04	-0.58
Pgls	0.0141	-0.01
Acbd3	0.377469775	0
Acsf3	-0.2926397	0
Adssl1	0.05647309	0
Agtrap	-0.14213862	0
Ap2a1	-0.1281815	0
Apoo	-0.2624989	0
Aqp1	-0.4096813	0
Asb18	-0.0580225	0
Banf1	0.156220133	0
Capza2	0.12286773	0
Coro1a	0.266665433	0
Cpne3	0.127217298	0
Crkl	-0.078251005	0
Ctnna2	-0.01491896	0
Cyb5b	0.07779917	0
D1Pas1	-0.030741532	0
Dohh	0.019526959	0
Eif5	0.11824352	0
Eml1	-0.0802838	0
Epn1	-0.3551324	0
Fam174b	-0.4751806	0
Fcgrt	0.5348784	0
Fscn1	-0.103653352	0
Fxn	-0.3630333	0
G3bp1	0.089596256	0
Galk1	0.2859688	0
Gars	0.05225118	0

Gcsh	0.09334692	0
Glrx5	-0.2749484	0
Gmppb	0.3415624	0
Gnai2	0.36110945	0
Gorasp2	0.32656095	0
Gss	0.21000885	0
Gsta1	-0.5692551	0
Gstm6	0.01441209	0
Hbb-y	0.00381174	0
Hexa	0.5972471	0
Hnrnpa0	0.02013238	0
Hrg	-0.3086303	0
Hsd17b12	0.53384665	0
Itih2	0.5699345	0
Itih3	0.3493174	0
Ivns1abp	-0.533327867	0
Map2k2	-0.044509725	0
Mapk1	-0.014657033	0
Mrpl10	-0.1012761	0
Nat13	0.242314967	0
Ndufs4	-0.338561	0
Nfkb1	0.1573795	0
Nfs1	-0.19164945	0
Niban	0.7688873	0
Nid1	0.238096233	0
Nploc4	0.2651129	0
Nsf	-0.0292775	0
Nsfl1c	0.3154624	0
Nudc	-0.2216908	0
Osbp	-0.3155565	0
Pabpc4	-0.015324115	0
Pask	-0.06484953	0
Pdk2	-0.8758615	0
Phka1	0.9277565	0
Pitrm1	-0.27674785	0
Ppm1b	0.254320795	0
Ppp1r3a	-0.378712	0
Psma1	-0.0367302	0
Psmb10	0.3653399	0
Psmd1	0.166331765	0
Psmd6	0.33306025	0
Rfk	0.202514867	0
Rnpep	-0.2499916	0
Rpia	-0.214887	0
Rps11	0.2562202	0
Sae1	0.100361278	0
Sdhc	-0.08811935	0
Serpina3a	-0.04264402	0

Smpd2	-0.1941004	0
Snx2	0.2314637	0
Stambp	0.4284948	0
Stard9	-0.09402591	0
Stub1	-0.130184437	0
Thop1	-0.018236735	0
Timm44	-0.4125983	0
Timm8a2	-0.1092833	0
Tmed4	-0.03459962	0
Tom1l2	-0.003564047	0
Trip10	-0.2792616	0
Tsn	0.2294274	0
Ttc35	0.002257983	0
Twf1	0.688718833	0
Twf2	0.102292085	0
Ube2g1	0.09122978	0
Ube2v1	0.1567337	0
Ubxn4	0.465613267	0
Ufm1	0.44225114	0
Urod	-0.32653015	0
Vapb	-0.037245323	0
Vps26a	-0.1031532	0
Vps28	0.1955004	0
Wars	-0.089995547	0
Wdr61	0.271587725	0
Xpnpep1	0.01032829	0
Cbr1	0.01581446	0.03
Lap3	0.01367378	0.04
Bola3	-0.001119932	-0.74
Blvra	-0.001221021	-0.68
Sod1	-0.029684637	-0.03
Pafah1b1	-0.001400916	-0.74
Eef1g	0.002896	0.36
Gnb2l1	0.0229032	0.06
Asna1	0.003894488	0.42
Pycrl	-0.001672745	-1
Fga	-0.003578027	-0.58
Uba1	-0.015086965	-0.14
Prune	-0.00876453	-0.26
Eef1a2	-0.07649962	-0.03
Slc4a1	-0.083315465	-0.03
Myl2	-0.05516751	-0.05
Ube2l3	-0.014187177	-0.22
Lztf1	-0.006011378	-0.58
Katnal2	-0.00867653	-0.42
Lnpep	-0.028409198	-0.13
Ywhae	0.007884435	0.49
Taldo1	0.00675265	0.58

Rab11b	-0.064059036	-0.07
Ahsa1	-0.003494	-1.32
Srl	-0.04597441	-0.11
Mb	-0.039774895	-0.13
Mug1	-0.01858854	-0.29
Acyp2	-0.01744207	-0.32
Pthr2	0.0133015	0.42
Gstm1	-0.1903328	-0.03
Numa1	-0.020244063	-0.32
Gc	-0.2282944	-0.03
Sdhd	-0.2394222	-0.03
Csrp3	0.068127	0.11
Fabp3	-0.055682655	-0.15
Esd	0.029147357	0.29
Vps45	0.00254631	3.32
Usmg5	0.005425135	1.58
Sfpq	-0.034288167	-0.25
Dnm1l	-0.039024118	-0.22
Glo1	0.023003971	0.4
Dctn4	0.025889098	0.36
C3	0.1602615	0.06
Mapkapk2	0.02338441	0.42
Pygb	0.05796941	0.17
Dnpep	0.111157762	0.09
Eif3m	-0.05665358	-0.19
Apoa1bp	-0.07336076	-0.15
Gdi1	0.08486303	0.13
Gsta3	-0.00617297	-1.81
Ppp2r1a	-0.104744002	-0.11
Plg	0.0158337	0.77
Bola1	-0.01013175	-1.22
Ndrp2	0.08462397	0.15
Ywhab	0.211607262	0.06
Cisd1	-0.08906131	-0.15
Usp5	-0.06596788	-0.21
Pgk1	0.06382052	0.22
Cnbp	0.024789494	0.58
Ighg1	-0.1599417	-0.09
Ube2k	-0.028348363	-0.51
Acadl	-0.2427009	-0.06
Lypla2	-0.0153	-1
Samm50	-0.307531767	-0.05
Gsto1	-0.051716965	-0.3
Ola1	0.09337529	0.17
Cryz	-0.053032062	-0.3
Ciapi1	0.04940155	0.33
Scrn2	-0.3313991	-0.05
Itih4	0.06682459	0.25

Ahnak	0.024732693	0.7
Gdi2	0.111505931	0.16
Mpi	-0.2635638	-0.07
Clta	0.084058733	0.22
Jph2	0.025794025	0.72
Ubfd1	-0.032415065	-0.58
Cdc37	0.01626475	1.19
Eprs	0.080841982	0.24
Eif4b	0.04311625	0.46
Aldoa	-0.180540493	-0.11
Hp	0.01877213	1.09
Qdpr	-0.25726035	-0.08
Acly	0.07967025	0.26
Ap2b1	0.09457734	0.22
Rbpms	0.05018425	0.42
Aco1	-0.140844239	-0.15
Rpn1	0.19482388	0.11
Tomm70a	0.014764986	1.46
Rpl32	0.3113569	0.07
Mff	0.083970817	0.26
Grhpr	0.03685252	0.6
Akap13	-0.0111166236	-2
Mecr	-0.012029375	-2
Cse1l	0.07666365	0.32
Ap2a2	0.018773166	1.32
Cct7	-0.095980005	-0.26
Pdcd5	0.01581065	1.58
Rps6	0.2092751	0.12
Serpina3k	-0.061432923	-0.41
Camk2d	-0.087055069	-0.3
Crk	0.11943168	0.22
Gpld1	-0.0828015	-0.32
Pfkp	-0.04289215	-0.62
Ndufb10	-0.3482771	-0.08
Matr3	0.048521414	0.58
Gbas	-0.31313245	-0.09
Pdha1	-0.1773283	-0.16
Tpd52l2	0.190575	0.15
Huwe1	-0.2044991	-0.14
Pdk1	0.046597723	0.62
Adipoq	-0.1524633	-0.19
Atic	0.076259705	0.38
Myh3	0.09156863	0.32
Atp6v1e1	0.029354335	1
Actr1a	-0.046243875	-0.64
Paip1	0.010110334	3
Rps3	0.0718723	0.43
Hnrnp1	-0.01936205	-1.64

Sgcb	0.144632767	0.22
Guk1	0.1452948	0.22
Actl6a	-0.055158887	-0.58
Acat2	-0.100134185	-0.32
Tsfm	-0.025329195	-1.29
Apoa1	-0.042655343	-0.77
Rpl17	0.3342319	0.1
Ctbp1	-0.01848189	-1.81
Psme2	-0.1098871	-0.31
Vdac1	-0.266113276	-0.13
Ndufa4	-0.1098595	-0.32
Npepps	-0.08099584	-0.44
S100a1	-0.1700455	-0.21
Psmb7	0.03579299	1
Heg1	0.08539677	0.42
Ppif	-0.32709485	-0.11
Atox1	0.128731335	0.28
Mrrf	-0.04908212	-0.74
Acat1	-0.407094933	-0.09
Hspa8	0.152693533	0.24
Mpp1	0.21645485	0.17
Serpina3c	-0.1424963	-0.26
Spr	-0.1689097	-0.22
Msra	0.2102788	0.18
Uqcrc2	-0.34439325	-0.11
Rps17	0.093113195	0.41
Cryl1	-0.093554975	-0.42
Armc1	-0.016137448	-2.46
Lypla1	0.0696959	0.58
Psap	-0.4049039	-0.1
Aldh3a2	0.02573697	1.58
Mgea5	0.10053038	0.42
Anxa4	1.0751179	0.04
Canx	0.067200767	0.64
Ptbp1	-0.084471433	-0.51
Cd81	0.1137304	0.38
Dusp3	0.620156167	0.07
Serpina1a	-0.13917315	-0.32
Ndufa5	-0.40590395	-0.11
Tiprl	-0.10765425	-0.42
Dars	-0.05586306	-0.81
Rps18	-0.029060948	-1.58
Hibch	-0.2313126	-0.2
Polr2j	-0.029464085	-1.58
Igh-3	0.05505006	0.85
Carkd	0.214448	0.22
Bcam	0.2151588	0.22
Glod4	0.4759184	0.1

Ppp3r1	0.031071597	1.58
Nit2	-0.1368901	-0.36
Hnrnpd	-0.044486676	-1.14
Pdxk	-0.051186573	-1
Uqcrh	-0.13192305	-0.39
Apoh	0.05932155	0.87
Atp5a1	-0.2894234	-0.18
Cast	0.06957223	0.75
Ptrf	0.180339767	0.29
Dbi	-0.067648413	-0.78
Rab14	-0.219915469	-0.24
Uchl3	-0.07331594	-0.72
Mthfd1	-0.097864887	-0.54
Tpt1	-0.409229	-0.13
Rab2a	0.037620676	1.42
Hsp90b1	0.04660193	1.15
Cfl1	0.44705455	0.12
Agk	-0.093359065	-0.58
Nutf2	0.07911712	0.69
Actr3	0.148127967	0.37
Rad23b	0.073220925	0.75
Strap	0.131950967	0.42
Snd1	0.037490547	1.49
Ipo5	0.044417333	1.26
Actn1	0.8069556	0.07
Atp5b	-0.1774457	-0.32
Gaa	0.21873855	0.26
Fkbp3	-0.21876095	-0.26
Snx27	-0.05712342	-1
Cat	0.112169585	0.51
Ndufa13	-0.3035151	-0.19
Vcl	0.1483887	0.39
Lsm2	-0.04404948	-1.32
Mat2b	-0.05835851	-1
Eif4g1	-0.1440845	-0.42
Lta4h	-0.2162808	-0.28
Actr1b	0.190789898	0.32
Gstm2	-0.2551025	-0.24
Atp1a4	-0.1461499	-0.42
Tpi1	-0.245782533	-0.25
Fth1	-0.024638015	-2.5
Gstm5	0.04500548	1.38
Gart	-0.223133975	-0.28
Pdia6	0.1400342	0.45
Ndufa3	-0.211666267	-0.3
Eif4g2	-0.245541622	-0.26
Spag9	-0.255609177	-0.25
Arf1	0.1143192	0.56

Hdlbp	-0.46790886	-0.14
Adprh	0.20526241	0.32
Mosc2	0.03298314	2
Pgam2	0.1180058	0.56
Acad10	-0.1438648	-0.46
Arhgdia	0.3490871	0.19
Btf3l4	0.17490746	0.38
Eea1	0.2559271	0.26
Rplp2	0.121906	0.55
Pgp	-0.06228463	-1.08
Flot2	0.04296685	1.58
Ndufc2	-0.1836869	-0.37
Vdac2	-0.1942727	-0.35
Mtch2	-0.214268957	-0.32
Atp5j2	-0.274375967	-0.25
Ube2n	0.24012165	0.29
Rap1gds1	-0.1207633	-0.58
Aprt	0.1672473	0.42
Hnrnpu	-0.044783938	-1.58
Krt77	-0.05244875	-1.36
Acadm	-0.1785796	-0.4
Slc25a3	-0.1718042	-0.42
Eif3c	0.124979105	0.58
Aldoc	-0.142310055	-0.51
Ndufb9	-0.2721807	-0.27
Srprb	0.03715907	2
Gng12	0.1772987	0.42
Ndufs1	-0.249564175	-0.3
Sorbs1	0.129282883	0.58
Chmp5	0.181089475	0.42
Ndufb11	-0.2543249	-0.3
Aco2	-0.1974212	-0.39
ldh3g	-0.21069605	-0.37
Mif	-0.134640207	-0.58
Pfdn5	0.134813333	0.58
Hspa9	-0.326671942	-0.24
Ndufa8	-0.3761848	-0.21
Lars	0.248648	0.32
Tkt	0.293069867	0.28
Tln2	-0.101846007	-0.81
Gstp1	-0.2852125	-0.29
Clybl	-0.08421167	-1
Lpl	-0.42337975	-0.2
Cisd2	0.053839327	1.58
Clpb	-0.14731135	-0.58
Atxn2	-0.149654702	-0.58
Pdcd6ip	0.32495606	0.27
Hist1h1c	0.11867617	0.74

Ndufa2	-0.1722355	-0.51
Mccc1	-0.79994015	-0.11
Lims1	-0.15202718	-0.58
Egfr	0.17385518	0.51
Lman1	0.104717248	0.85
Acss1	-0.31950514	-0.28
Galm	0.1956094	0.46
Tln1	0.301539367	0.3
Acaa1a	-0.157659532	-0.58
Rbm3	0.1578374	0.58
Cbr4	-0.1583242	-0.58
Ppp2r5a	-0.2199095	-0.42
Sgcg	-0.058560783	-1.58
Lgmn	0.2205871	0.42
Ube2b	-0.224207475	-0.42
Dkc1	-0.094732227	-1
Npepl1	-0.1286176	-0.74
Gbp2	0.041146735	2.32
Hmgcl	0.04825814	2
Hectd1	0.027022045	3.58
Cdh2	0.075699977	1.28
Apoa2	-0.1689731	-0.58
Gsr	0.1973626	0.5
Cfl2	0.300862307	0.33
Nptn	0.3891217	0.26
Copb2	0.174447205	0.58
Pura	0.162746	0.63
Rcn1	0.9375049	0.11
Ctsd	0.2462743	0.42
Gmps	-0.167190567	-0.62
Golga2	0.08544985	1.22
Slc25a5	0.249122533	0.42
Ndufs6	-0.4767011	-0.22
Ubac1	-0.1049404	-1
Hspb6	0.1387879	0.76
Rpl8	0.1055187	1
Gnas	0.182006858	0.58
F12	0.1061036	1
Sar1a	0.2530575	0.42
Igh-6	-0.092768127	-1.17
Pkm2	-0.3619296	-0.3
Rpl6	0.241985	0.45
Rtn4ip1	-0.215197947	-0.51
Clip1	0.457879586	0.24
Cpe	0.07750025	1.42
Eef1d	-0.110074258	-1
Ndufb7	-0.3360243	-0.33
Atp5c1	-0.3499932	-0.32

Hn1	0.509984733	0.22
Sh3glb1	0.092433093	1.22
Tmem55a	0.07965215	1.42
Mapt	0.043922275	2.58
Golga4	0.07214144	1.58
Dcps	-0.184413007	-0.62
Rpl4	0.1334047	0.86
Pdxdc1	0.07275169	1.58
Syncrip	0.32975372	0.35
Ccdc58	-0.09815725	-1.18
Aldh2	-0.23197448	-0.5
Ppp1cb	0.1366526	0.85
Naga	0.1576665	0.74
Cltc	0.131294	0.89
Prdx6	-0.17724555	-0.66
Vcp	0.2339665	0.5
Auh	-0.104486647	-1.12
Igh	-0.080368065	-1.46
Blvrb	-0.110253	-1.07
Mdh1	-0.251012436	-0.47
Clic4	0.2326905	0.51
Ahcy	0.2528518	0.47
Ndufa7	-0.140569626	-0.85
Tollip	0.3076302	0.39
Lcat	-0.05179389	-2.32
Fubp1	0.076604775	1.58
Prep	0.142077875	0.86
Phb2	-0.371044625	-0.33
Prkar1a	0.22310539	0.55
Lzic	-0.560301633	-0.22
Pgd	0.42972105	0.29
Zbtb8os	0.192123519	0.65
Cox4nb	0.095439665	1.32
Aldh7a1	0.115624213	1.09
Aldoart2	-0.2182029	-0.58
Ogdh	-0.7068239	-0.18
Ilk	0.3999081	0.32
Atp6v1h	0.304704437	0.42
Myl4	0.22166	0.58
Aadacl1	-0.857492967	-0.15
Serpina6	-0.4049732	-0.32
Rab10	0.08209176	1.58
Dnm2	-0.098705816	-1.32
Rars	0.3158719	0.42
Eif6	0.152755895	0.87
Hspa2	0.6655316	0.2
Chchd10	-0.24252095	-0.55
Eif4a3	0.05171267	2.58

Mdh2	-0.29004115	-0.46
Krt19	-0.07378165	-1.81
PsmA6	0.224217495	0.6
Glud1	-0.1751286	-0.77
Adprhl1	0.1226645	1.1
Ppm1f	-0.11860076	-1.14
Tmod1	-0.3612722	-0.38
Nudt2	-0.03617859	-3.81
Fkbp8	0.1380355	1
Cox6c	-0.13816195	-1
Pgk2	-0.1137021	-1.22
Rab12	-0.11390732	-1.22
NdrG1	0.139546396	1
Scfd1	0.054149203	2.58
Ivd	-0.3106772	-0.45
1300017J02Rik	-0.05625184	-2.5
Clu	-0.335016075	-0.42
Rpl7	0.207141118	0.68
D10Jhu81e	-0.4556182	-0.31
Fetub	0.2774955	0.51
Tnnt2	-0.315176233	-0.45
Hrc	-0.38384455	-0.37
Copb1	0.4477577	0.32
Spcs2	0.24877104	0.58
Pdia3	0.157079935	0.92
Psmc2	0.16936795	0.86
Fech	-0.062922993	-2.32
Grcc10	-0.25285825	-0.58
Apoc2	-0.3002947	-0.49
Cryab	0.184749703	0.8
Pmpca	-0.30193885	-0.49
Casq2	0.195193	0.76
Saa4	-0.0496622	-3
Ndufs2	-0.2365897	-0.63
Nt5c3	-0.2012777	-0.75
Ogn	1.080408	0.14
Sh3kbp1	-0.151502425	-1
Iqgap1	0.20020786	0.76
Garnl1	-0.152229661	-1
Pmpcb	-0.066188175	-2.32
Pxn	-0.125980487	-1.22
Hsp90ab1	0.16039165	0.96
Cycs	-0.215204175	-0.72
Dync1h1	0.244270575	0.64
Prkaa1	0.09908199	1.58
PsmD4	0.24569993	0.64
Cox7a2	-0.12965665	-1.22
Cxadr	-0.100663498	-1.58

Echdc1	-0.0533123	-3
Abce1	0.160022833	1
Man2c1	0.10200355	1.58
Ubqln1	0.111190967	1.46
Apool	-0.191681067	-0.85
Gda	0.090125823	1.81
Pasma5	0.56413	0.29
Sri	0.094199033	1.74
Ndufb6	-0.1046748	-1.58
Rps20	0.22400045	0.74
Ehbp111	0.3022159	0.55
Cul1	0.06475989	2.58
Cutc	-0.1059839	-1.58
Rps10	0.167593817	1
Anpep	0.5278504	0.32
Krt5	-0.07287201	-2.32
Ppme1	-0.06569131	-2.58
Dpysl2	0.49879295	0.34
Azgp1	-0.2926874	-0.58
Rpl22	0.5354754	0.32
Prkaca	-0.2463083	-0.7
Ndufab1	-0.34018976	-0.51
Uqcrq	-0.159519963	-1.09
Atp5f1	-0.30580905	-0.57
Npm1	0.4151624	0.42
lars	-0.17447345	-1
Cdv3	0.357840955	0.49
Cops2	0.4185818	0.42
Sugt1	0.123875305	1.42
Hspa4	0.266771855	0.66
Nars	0.49153405	0.36
Psmc3	0.1123505	1.58
Pts	-0.20646905	-0.86
St13	0.255615	0.7
Fgf1	0.136477633	1.32
Tnni3	-0.2693456	-0.67
Oat	-0.1056668	-1.71
Sil1	0.1145964	1.58
Qars	-0.183326558	-1
Apcs	-0.1836658	-1
Phpt1	-0.2742128	-0.67
Copz1	0.1171907	1.58
Tpm4	0.5800686	0.32
C1qbp	-0.2900516	-0.64
Got2	-0.4657304	-0.4
Ap1b1	-0.1701695	-1.1
Cp	1.71640705	0.11
Acad9	-0.208131867	-0.91

Dynll2	0.11283795	1.68
Calm1	0.270863991	0.7
Dhrs4	-0.488708	-0.39
Eif3d	0.082154035	2.32
Ywhah	0.4057541	0.47
Bsdc1	0.095540385	2
Hmgb1	0.1621215	1.18
Ctsb	0.171512835	1.13
Dld	-0.281082995	-0.69
Krt78	-0.0789334	-2.46
Rpl23	0.256188567	0.76
Cops7a	-0.064914065	-3
Oplah	-0.8517787	-0.23
Ppp2ca	0.2928101	0.67
Rtn3	0.04083636	4.81
Sf3b1	0.065518618	3
Gps1	0.2661645	0.74
Ndufs8	-0.32895535	-0.6
Pam	0.6170813	0.32
Coro7	0.139178472	1.42
Rdx	0.143553967	1.38
Mpst	-0.1140544	-1.74
Ndufa12	-0.283537675	-0.7
Hps6	-0.07743088	-2.58
Tfg	-0.08703247	-2.32
Tmed10	0.33141232	0.61
Hist1h2bb	0.27063322	0.75
Pcca	-0.36522105	-0.56
Rps4x	0.1598679	1.28
Cox5a	-0.222618	-0.92
Ddb1	0.489706	0.42
Mrps36	-0.4200172	-0.49
Tufm	-0.381220225	-0.54
Ppm1a	0.317367525	0.65
Rps7	0.3627227	0.57
Vapa	0.1219283	1.7
Ankfy1	0.158060735	1.32
Itpa	0.19859655	1.06
Sncg	-0.2110197	-1
Arl6ip5	0.3649289	0.58
Ldhb	-0.461287975	-0.46
Hnrnpa2b1	-0.341745205	-0.63
Stat3	0.16987738	1.27
Cfd	-0.2159829	-1
Sh3bgr	0.11225379	1.93
Pcbp1	0.2560272	0.85
Nnt	-0.609421067	-0.36
Farsa	-0.0945823	-2.32

Rhoa	0.093385516	2.35
Mapre3	0.1217143	1.81
Etfp	-0.2857443	-0.78
Timm9	-0.1311849	-1.7
Samhd1	-0.074585833	-3
Prdx3	-0.298742	-0.75
Kbtbd10	0.6060352	0.37
Rac1	0.0626933	3.58
Mccc2	-0.3630957	-0.62
Ncstn	0.07517934	3
Hadhb	-0.582156233	-0.39
Bckdk	-0.11369882	-2
Slc25a4	-0.322402875	-0.71
Art3	-0.3957264	-0.58
Ehd4	0.4333998	0.53
Stx12	0.2956711	0.78
Hk2	-0.4625753	-0.5
Ubxn6	-0.1331409	-1.74
Dnaja3	-0.313546533	-0.74
Clic1	0.1725668	1.36
Fis1	0.2065878	1.14
Actb	0.369004752	0.64
Ldb3	0.3538774	0.67
Ubr4	0.1190758	2
Cand1	0.3527037	0.68
Ckm	-0.4361035	-0.55
Mcat	-0.1985474	-1.22
Kpna4	0.41793665	0.58
Macrodl	-0.6953726	-0.35
Tagln2	0.53051566	0.46
Mrpl12	-0.2747056	-0.89
Ccbl2	-0.8168179	-0.3
Podxl	-0.58459455	-0.42
Iars2	-0.2586499	-0.95
Atp6v1a	0.37912655	0.65
Rps16	0.08495378	2.91
Lman2	0.132382535	1.87
Ndufs3	-0.3657913	-0.68
Dnajb4	0.395635767	0.63
Pygm	-0.453701	-0.55
Prdx5	-0.3130436	-0.81
Ppp5c	-0.201440267	-1.26
Capzb	0.286807788	0.89
Fundc2	-0.25539605	-1
Cyc1	-0.3662713	-0.7
Ensa	0.44329535	0.58
Aifm1	-0.4437005	-0.58
Strn3	0.072550567	3.58

Arfp1	0.6194782	0.42
Acp6	-0.2683249	-0.97
Cct8	0.283261395	0.92
Itga7	0.1976023	1.32
Kpna3	0.197875337	1.32
Fhl2	-0.1663062	-1.58
Scp2	-0.251264825	-1.05
Pfkm	-0.5407391	-0.49
Ldha	-0.5665852	-0.47
Ak3	-0.118383964	-2.25
S100a9	0.4663043	0.58
Cyb5r3	0.650216115	0.42
Ak2	-0.16613705	-1.65
Xdh	-0.5486822	-0.5
Xirp1	0.3871536	0.71
Gnb2	0.1415669	1.96
Vdac3	-0.243687	-1.14
1810022C23Rik	-0.1761739	-1.58
Psm2	0.2441721	1.14
Suclg2	-0.36177665	-0.77
Abcd3	-0.2793498	-1
Rrbp1	0.187130933	1.5
Bmp10	0.07033396	4
Hibadh	-0.332495067	-0.85
Cox7a2l	0.12218019	2.32
Acadsb	-0.2201751	-1.29
Col15a1	0.9797843	0.29
Vamp2	0.14227055	2
Txnrd2	-0.180986633	-1.58
Sec31a	0.2166487	1.32
Lancl1	0.08043305	3.58
Cops5	0.18228364	1.58
Psm7	0.18258825	1.58
Mapk3	0.1336765	2.17
Got1	-0.4720268	-0.62
Sucla2	-0.19785559	-1.48
Rad23a	-0.16029596	-1.85
Grpel1	-0.1877155	-1.58
Glrx3	-0.215182129	-1.38
ldh3b	-0.4073498	-0.73
Tacc2	-0.2980159	-1
Pdia4	0.188783	1.58
Rpl15	0.25204675	1.19
Myh9	0.223868635	1.34
D2hgdh	-0.237062275	-1.27
Des	0.26885399	1.12
Otud6b	0.1667833	1.81
Calr	0.222198567	1.36

Ehd2	-0.348488025	-0.87
Tuba1b	0.4891447	0.62
Tubb6	0.2009533	1.51
Rpl12	0.39494685	0.77
Atp6v1b2	-0.2604216	-1.17
Rplp1	0.347	0.88
Kars	-0.3055315	-1
Acads	-0.3934978	-0.79
Acy1	-0.438158	-0.71
H2-Q10	-0.1038102	-3
Fkbp4	-0.577498333	-0.54
Ywhaz	0.476848657	0.66
Bpnt1	0.19930605	1.58
Gstz1	-0.1358039	-2.32
Rps15a	0.112792485	2.81
Mars	0.1593672	2
Rpl11	0.3190314	1
Adk	-0.502263817	-0.64
Krt2	-0.1147377	-2.81
G3bp2	0.204253433	1.58
Cops4	0.1751493	1.85
Bola2	0.439371038	0.74
Ndufv1	-0.493968967	-0.66
Gpx1	0.600873	0.55
Pacsin3	0.3320769	1
Abcb8	-0.25174015	-1.32
Rpl31	0.2741517	1.22
Dcun1d1	0.33666444	1
Psma4	0.3575802	0.95
Sdha	-0.52449895	-0.65
Etfdh	-0.56884635	-0.6
Cpox	-0.412328348	-0.83
Dync1i2	0.4465882	0.77
Prdx4	0.34557258	1
Hk1	0.4557379	0.76
Syap1	0.219676995	1.58
Sgta	-0.2204062	-1.58
Rsu1	0.14434505	2.42
Apoa4	-0.176066	-2
Pfn1	0.4588276	0.77
Inmt	0.6093104	0.58
Ppp1r7	0.2491442	1.42
Slc27a1	-0.93725105	-0.38
Macf1	0.10923699	3.32
Pgrmc1	0.8703461	0.42
Appl1	0.2770443	1.32
Uqcrc1	-0.5695851	-0.65
Coq9	-0.4263239	-0.87

Hbxip	0.3193016	1.17
Pank4	-0.2830544	-1.32
Akap2	0.506224187	0.74
Oxct1	-0.335553175	-1.12
Nt5c2	0.237958263	1.58
Clint1	0.105141261	3.58
Cd163	0.2383092	1.58
Gspt1	0.241370133	1.58
Eif3e	0.24282526	1.58
Ipo7	0.166139743	2.32
Sh3bgrl3	0.9222193	0.42
Aldh6a1	-0.808295	-0.48
Cnpy2	0.319130375	1.22
Plxnb2	0.1756976	2.22
Rps19	0.21729313	1.81
Anxa7	0.414361363	0.95
Rtn2	-0.9459972	-0.42
Tdrd5	-0.1715838	-2.32
Ehd1	-0.164973983	-2.42
Psmc3	0.1429914	2.81
ldh3a	-0.46921705	-0.86
Impa1	0.1564074	2.58
Ctbs	0.256357233	1.58
Hadha	-0.7383311	-0.55
Psmc4	0.44230665	0.92
Gnb1	0.286803652	1.42
Zadh2	-0.5222747	-0.78
Dynlrb1	0.3494097	1.17
Etfb	-0.6594973	-0.62
Slc25a13	-0.434069	-0.95
Marcks	0.741336357	0.56
Cpt2	-0.7093668	-0.59
Pgrmc2	0.2654831	1.58
Tfrc	0.2099084	2
Alad	-0.6084957	-0.69
Atp1a2	-0.51956004	-0.81
Rab11fip5	0.52295195	0.81
Dync1li1	0.6651786	0.64
Ide	-0.18388131	-2.32
Bat3	-0.1289549	-3.32
Pkia	-0.2367741	-1.81
Ssb	0.351670525	1.22
Apeh	-0.2338171	-1.85
Rabggta	-0.2759511	-1.58
Asrgl1	-0.3310106	-1.32
Eif3a	0.4408536	1
Fyco1	-0.24577715	-1.81
Hspb2	0.6671092	0.67

Itgb1	0.448020782	1
Ckmt2	-0.439599	-1.02
Tex15	-0.2263862	-2
Col6a1	1.215953	0.38
Txlnb	-0.46212355	-1
Itgav	0.293868406	1.58
Anxa1	0.87931118	0.53
Amacr	-0.6337099	-0.74
Serpina1b	-0.3150009	-1.49
Oxnad1	-0.27039525	-1.74
Ece1	0.158850917	3
Aup1	0.1198572	4
Thy1	0.416927	1.17
Tubb5	0.63438225	0.77
Ndufa6	-0.3092063	-1.58
Cabc1	-0.42157785	-1.16
Acsl1	-0.4899892	-1
Hspd1	-0.4228404	-1.16
Vamp3	0.2757094	1.81
Rnh1	0.3933496	1.27
Flna	0.2499409	2
Bves	0.341296	1.47
Blmh	0.17890455	2.81
Psmb5	0.1792564	2.81
Vps35	0.3629665	1.39
Cdh7	-0.16928115	-3
Ppp2r5e	0.32423672	1.58
Aldh4a1	-0.5231441	-0.98
Pi4k2a	0.3246799	1.58
Acadvl	-0.7441034	-0.69
Parp4	0.1547575	3.32
Suclg1	-0.5535965	-0.93
Cox7a1	-0.6868207	-0.75
Csad	0.2588464	2
H2-L	0.2011347	2.58
Golga3	0.6112445	0.85
Aars	0.2878095	1.81
Lpp	0.414959645	1.26
Krt81	-0.1467272	-3.58
Hspb1	0.71328285	0.74
Erap1	-0.1761933	-3
Hist2h2aa1	0.2438505	2.17
Hmbs	-0.2972431	-1.81
Gsta4	-0.4365508	-1.24
Nedd4	0.4018471	1.35
Nqo2	-0.80096225	-0.68
Ech1	-0.5525942	-0.99
Hadh	-0.463658167	-1.18

Coq6	-0.393369	-1.4
Slc3a2	0.3499155	1.58
Cap1	0.53174035	1.04
Mfap4	2.518617	0.22
Ube2a	0.140830525	4
Cdc42	0.518658325	1.09
Tbca	0.622340433	0.91
Eif3b	0.2114439	2.7
Ndufa10	-0.4810842	-1.21
Krt79	-0.1310115	-4.46
Fabp4	-0.94018115	-0.63
Cnn3	1.025586367	0.58
Erp29	0.2980318	2
Enpp6	0.37918895	1.58
Wdr1	0.5116219	1.18
Capns1	0.2085247	2.91
Dnajb11	0.3845692	1.58
Calu	0.329763795	1.85
Scrn3	-0.42966715	-1.44
Dab2	0.391710775	1.58
Uqcc	-0.310341665	-2
Fahd1	-0.3051914	-2.05
Cul4a	0.2085924	3
Slc25a12	-0.441578148	-1.42
Cav1	-0.3971106	-1.58
Sec23a	0.3977953	1.58
Nfu1	0.1906398	3.32
Tbcel	0.3174677	2
Pf4	0.4843458	1.32
Rab18	0.35349175	1.81
Echs1	-0.5162293	-1.24
Gsn	0.543376967	1.18
Pfn2	0.2769789	2.32
Fh1	-0.4968659	-1.3
Hsd17b10	-0.69784945	-0.93
Sod2	-0.7132945	-0.91
Txndc12	0.3825067	1.7
Palld	0.217266073	3
Klc1	0.290826567	2.25
Lrpap1	0.489226175	1.35
Ndrp3	0.6672523	1
Crip2	-0.6688531	-1
Ezr	-0.850398	-0.79
Ranbp1	0.4253069	1.58
Scly	-0.224084625	-3
Anxa2	0.569098797	1.19
Till12	0.27572264	2.46
Purb	0.191943636	3.58

Bag3	0.5247771	1.31
Acsl5	0.4355618	1.58
Nhlrc2	0.438376933	1.58
Wipi1	0.208827295	3.32
Actg1	0.4396772	1.58
Tars2	-0.23741215	-3
Tuba1a	1.015376	0.71
Asph	0.223982514	3.22
Tagln	0.5466194	1.32
Gja1	-0.308555067	-2.38
Pycard	-0.246089663	-3
Mcee	-0.5203031	-1.42
Lrrc59	0.41790995	1.77
Hsdl2	-0.70011445	-1.06
Ckb	1.07745	0.69
Gimap4	-0.451011	-1.65
Cab39	0.1964558	3.81
Arfgap1	0.3758214	2
Eno3	-1.002674	-0.75
Txn2	-0.3764192	-2
ldh1	-0.5060177	-1.49
Aspscr1	0.251659565	3
Slc2a4	-0.95968915	-0.79
Cars2	-0.211830737	-3.58
Acacb	-0.480742935	-1.58
Mrc1	0.6806495	1.12
Hsph1	0.5836501	1.32
Mcfd2	0.2330701	3.32
Wfs1	0.5928402	1.32
Csrp1	0.8997199	0.87
Tubb2a	1.50805325	0.52
Ak3l1	-0.586028433	-1.34
Cstb	0.70325915	1.12
Myo1c	0.3788129	2.09
Fasn	0.5016206	1.58
Sirt5	-0.438550367	-1.83
Nucb1	0.2599719	3.09
Sorbs2	0.47602365	1.69
Decr1	-1.03814405	-0.78
Col6a3	0.4913947	1.65
Uchl1	1.162117	0.7
Dpep1	1.175013	0.7
Ccbl1	-0.682001425	-1.21
Acot9	1.02111	0.81
Tubb2b	1.532413	0.54
Acy3	-0.5883473	-1.42
Rilp	-0.3616409	-2.32
Serpinb6b	0.9326401	0.9

Dstn	0.8792375	0.96
Grsf1	-0.327863475	-2.58
Pon3	0.282364	3
S100a10	0.847346593	1
Tomm40	-0.2553005	-3.32
Prkcsh	0.2237727	3.81
Pptc7	-0.5409415	-1.58
Flot1	0.4281912	2
Glul	0.75412945	1.15
Asah1	0.3744901	2.32
Naprt1	-0.5234016	-1.66
Hsp90aa1	0.776987418	1.12
Sqstm1	0.292079205	3
Smyd1	-0.389653667	-2.25
Sdpr	-0.634810667	-1.42
Spg20	0.425646467	2.12
Naglu	0.2524048	3.58
Tst	-0.4529708	-2
Inpp5a	0.2758786	3.32
Dci	-1.110257	-0.83
Eng	0.3089412	3
Nudcd2	0.51423245	1.81
Me3	-0.6781673	-1.39
P4hb	0.6788848	1.39
Echdc2	-0.4602045	-2.06
Mfge8	0.6005023	1.58
Smtn	-0.4753408	-2
Coq7	-0.4492935	-2.12
Adhfe1	-0.8158134	-1.17
Dpp3	0.5016244	1.93
Mut	-0.645607433	-1.5
Vim	1.1675139	0.83
Clip2	0.2933437	3.32
Rps5	0.2722763	3.58
Gcdh	-0.6191943	-1.58
Cap2	0.468352	2.09
Emd	0.2739595	3.58
Capg	1.3298669	0.74
Mmab	-0.27670674	-3.58
Copg	0.38583835	2.58
Serpinh1	0.77295235	1.29
Tpd52	0.24943347	4
M6prbp1	-1.1922	-0.84
Copa	0.3564953	2.81
Rras2	0.7400454	1.36
Gpx3	2.055093	0.49
Prodh	-0.5052698	-2
Slc25a11	-0.5584043	-1.81

Nqo1	0.6788839	1.5
Pet112l	-0.34352035	-3
Uqcr	-0.288943	-3.58
Dmd	0.658464225	1.58
Pdlim5	1.609663443	0.65
Yap1	0.4823122	2.17
Rock1	0.37373742	2.81
Gpsm1	-0.799493367	-1.32
Adfp	-0.3779497	-2.81
Serping1	1.143098	0.93
Chchd6	0.4964881	2.17
Fmo2	0.283260818	3.81
Colec12	1.861722	0.58
Bcat2	-0.9003966	-1.24
Cs	-0.6601217	-1.7
Tubb3	0.3387775	3.32
Acot3	-0.2814206	-4
S100a6	1.756311	0.65
Fkbp2	0.3831425	3
Akap12	0.9427573	1.22
Ppib	0.8536595	1.36
Capn2	0.6917184	1.68
Mtpn	1.035307067	1.14
Crat	-0.609548233	-1.95
Mfn1	-0.603657	-2
Echdc3	-0.4692488	-2.58
Twsg1	0.404605367	3
Cfh	2.1432495	0.58
Bckdhb	-0.735693	-1.7
Tmem143	-0.417961145	-3
Lmna	0.634230548	2
Mapk14	-0.294818823	-4.32
Msn	0.95278355	1.35
Cd9	1.520846	0.85
Lum	1.43046	0.91
Ctps	0.435613	3
Gdpd1	-0.44082045	-3
Limd1	0.36941085	3.58
Fbn1	0.860231723	1.54
Picalm	0.596931472	2.22
Ddah2	0.6362209	2.09
Creg1	-0.5902106	-2.32
Txndc5	1.1057681	1.25
Pkp2	0.464748145	3
Slc44a2	0.4652326	3
As3mt	-0.4238615	-3.32
Myl7	0.6498817	2.17
Apip	-0.5223538	-2.7

Copz2	0.3976558	3.58
Cd55	0.905919425	1.58
Dbt	-0.6301114	-2.29
Txndc17	0.483764985	3
Pccb	-0.4876563	-3
Pls3	0.9274607	1.58
Lrpprc	-0.8841426	-1.66
Nap111	0.545777167	2.7
Fblim1	-0.49130755	-3
Lgals1	1.0690092	1.38
Carhsp1	1.0395597	1.42
Sephs2	-0.49400875	-3
L2hgdh	-0.4491024	-3.32
Nampt	-1.130114	-1.34
Entpd2	0.8470535	1.81
Dnaja1	0.512809133	3
Bckdha	-0.7737954	-2
Acaa2	-1.336184667	-1.16
Sord	-1.2762355	-1.22
Scrn1	0.5237606	3
Myom2	-0.8039508	-1.99
Hspa1a	1.587481	1.03
Uso1	0.5035963	3.32
Thbs1	1.677313	1
Mgll	-0.65132875	-2.58
Stab1	0.7294674	2.32
Fn1	0.86851675	2
Fkbp7	0.486266995	3.58
Msr3	0.66659785	2.63
Mvp	0.7284983	2.42
Dpysl3	1.1191203	1.58
Mlycd	-0.7637612	-2.32
Rras	0.9843457	1.81
Slmap	0.4758452	3.81
Acot2	-0.8938253	-2.1
Entpd1	0.636803633	3
Ace	1.1367105	1.69
Nrap	0.401803	4.81
Pofut2	0.54835175	3.58
Sec22b	0.59234445	3.32
Ndufa9	-0.4417079	-4.46
Col6a2	1.093727	1.81
Cmb1	-1.35699	-1.46
Anxa5	1.115011	1.79
Pcyox1	0.57747688	3.46
Dynll1	1.3081141	1.54
Abat	0.6786531	3
Sparc	0.6837978	3

Psme1	-1.115527	-1.84
Isoc1	-0.745813167	-2.81
Zyx	0.7106249	3
Arpc1b	0.64424975	3.32
Lipa	0.734499133	3
2900073G15Rik	0.55176945	4
Pdlim3	0.5833267	3.81
Mrc2	1.2361921	1.81
Bdh1	1.0456015	2.2
Myl1	2.941409	0.81
Ptgis	0.9375619	2.58
S100a11	1.368092	1.81
Mxra8	1.567907	1.58
Kif5b	0.750673272	3.32
Igfbp7	1.026760237	2.5
Rexo2	0.8760945	3
Egf	-1.857576	-1.42
Cst3	1.244479	2.12
Ptgfrn	0.72345395	3.7
Cd34	0.9587386	2.81
Nt5e	0.9159275	3
Ckap4	1.076560525	2.58
Usp47	0.929660767	3
Lrp1	0.99999315	2.86
Fhl1	1.02868665	2.82
Stxbp1	0.87680005	3.32
Cspg4	0.97460265	3
Cnn2	0.7628644	4
Aldh5a1	-1.045579	-2.94
Ltbp4	0.8987932	3.58
Gstk1	-1.428366	-2.26
Bgn	2.051119333	1.58
Akap1	-0.98573685	-3.32
Aldh1a1	1.897547	1.74
Prelp	1.22597085	2.7
Maob	-1.659434	-2
Ephx1	1.199931	2.81
Myh10	1.0222074	3.33
Acot1	-1.5110005	-2.28
Rpl3l	-2.00224	-1.81
Naalad2	1.328874	2.74
Vwf	2.173947	1.72
Nucb2	1.152745	3.32
Efhd2	1.157175	3.46
Enpp1	1.27960515	3.32
Ctsz	1.525370333	2.91
Cobll1	-1.0618476	-4.32
Hspa1l	1.172616	4

Lmcd1	1.669641	2.85
Endod1	0.91246792	5.39
Trim47	1.661998	3
Rnase4	1.287194	4
Rtn4	1.36690502	3.95
Gpt	-0.98071405	-5.64
Nppa	1.864149	3.09
Mfap5	2.498177	2.32
Rcan1	1.9435745	3
P4ha1	1.477477	4
Cygb	1.505759	4.32
Fah	-1.316714	-5
Rcn3	1.712699	4.17
Rbp1	3.303723	2.32
Acta1	2.74704	3.7
Aspn	3.2271545	4.32
Thbs4	3.345517	4.46
Tpm2	4.54828825	3.32
Ctgf	3.304527	4.7
Myh7	3.796983	4.82
Ces3	-4.600041333	-4.61